

Supplementary Table 1. The gene expression matrix of the GSE134431 dataset, modified according to the NetworkAnalyst file upload requirements.

#NAME	GSM394648	GSM394648	GSM394648	GSM394648	GSM394648	GSM394649	GSM394649	GSM394649	GSM394649	GSM394649	GSM394649	GSM394649	GSM394649	GSM394649	GSM394649
	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
#CLASS	DFS	DFS	DFS	DFS	DFS	DFS	DFS	DFS	DFU	DFU	DFU	DFU	DFU	DFU	DFU
A1BG	0.435172	0.526118	0.405485	0.615839	1.67414	0.870406	0.307516	0.304082	0.191522	1.05266	3.8151	0.450047	0.990302	0.781184	0.771625
A1BG-AS1	0.285845	0.358682	0.438479	0.153347	0.391235	0.216666	0.249317	0.272527	0.0828751	0.254337	0.485322	0.338396	0.277565	0.567048	1.16151
A1CF	0.0388591	0.0070211	0.0241103	0.00250284	0.00754521	0.00413601	0.0249571	0.0280595	0	0.00304826	0.0137085	0.00521339	0	0.00634671	0.0244154
A2M	63.6312	21.164	21.4812	38.616	50.1926	229.666	32.2456	29.0685	12.1009	60.2291	128.183	10.947	50.4399	43.6812	189.116
A2M-AS1	1.06751	0.401082	0.509094	0.216553	0.353894	0.647301	0.498305	0.527031	0	0.158194	0.475354	0.0895265	0.14813	0.207344	1.08541
A2ML1	34.4205	24.5533	22.749	73.2727	30.009	22.1251	18.1052	32.9067	80.3626	140.983	34.2561	82.5911	165.84	48.7513	22.974
A2MP1	0.192698	0.0928449	0.0797068	0.0992905	0.0598654	0.213304	0	0.102752	0	0.0241856	0.0435064	0.0137881	0	0	0.332087
A3GALT2	0.0452455	0.0109	0.0187151	0.0466268	0.140564	0.0385259	0.0774897	0.0603156	0	0	0	0	0	0	0.194935
A4GALT	3.91462	1.9287	2.84369	3.72451	5.66897	9.51818	5.13548	1.93975	0.484289	2.46217	4.18967	1.27089	5.78685	5.47283	8.57879
A4GNT	0.0653389	0.226665	0.118917	0.0134667	0.0405976	0.0333811	0.0596815	0.104522	0	0	0.0295038	0.0280511	0	0.034149	0.056301
AA06	0	0.0176435	0	0	0	0	0	0	0	0	0	0	0	0	0
AAAS	3.93067	5.15957	4.1793	8.54269	9.25642	10.0621	4.94821	3.44846	4.4342	4.22185	7.53757	4.1917	4.97455	5.26095	4.74031
AACS	6.14426	10.4998	10.0971	10.9789	13.2455	9.43124	10.6219	6.32237	10.4187	9.92	7.03777	9.59562	14.2256	9.16319	3.43207
AACSP1	1.67122	0.88416	0.304974	0.0337693	0.636268	0.0627802	0.196426	0.356748	0.159635	0.0205642	0.018496	0.169991	0	0.102759	0.0352952
AADAC	0.475542	1.4164	1.15636	0.697964	0.492454	0.233135	1.92504	1.28067	3.51004	0.289384	0.748305	0.340263	0.018595	0.0527204	0
AADACL2	4.04232	7.18847	8.09219	2.17826	3.06766	0.722553	8.63184	7.1164	30.3277	2.1882	4.82453	4.96784	0.19909	0.112892	0
AADACL2-AS1	0.209846	0.404429	0.1984	2.90397	0.139699	0.0765777	0.205368	0.186494	0.0730198	0.0376255	0.135366	0.0858004	0	0.0470035	0
AADACL3	0	0	0	0.0471219	0	0	0	0	0.0278445	0	0	0.00408977	0	0	0
AADACL4	0	0	0	0	0	0.0625587	0	0	0	0	0	0	0	0	0
AADACP1	0.0897713	0.0432532	0.0445591	0.277536	0	0.0458635	0.0204996	0.063825	0.0218663	0.0450689	0.0608044	0.0899273	0	0.131372	0.0257846

AADAT	0.538419	0.432364	0.430571	0.295924	0.376358	0.840504	0.36885	0.414702	0.0765023	0.281571	0.628069	0.192627	0.266329	0.370512	0.902111
AAGAB	3.36342	2.78605	2.89489	7.03718	2.57534	6.86755	2.56016	2.43358	4.0135	6.4132	6.32813	4.18606	7.856	5.579	3.96181
AAK1	2.30377	2.07069	1.92072	2.24772	1.69445	2.65177	2.07286	2.09617	2.28315	2.13173	1.92886	2.04253	2.60566	2.37265	3.04261
AAMDC	2.28595	1.96375	2.19895	1.36962	2.06446	2.92723	1.2949	1.46462	1.35964	1.17878	4.02086	0.710054	0.868924	0.981723	1.34879
AAMP	14.7436	14.3349	15.379	22.9008	30.0133	33.6876	12.8304	9.3143	21.3814	17.0167	18.2949	13.5091	20.5385	14.2512	8.49474
AANAT	0.118461	0.0985867	0.195999	0.11098	0.267653	0.0641889	0.0368878	0.172274	0.0655785	0.121648	0	0.0770566	0.027793	0.0562846	0.0618638
AAR2	5.44883	4.28683	4.71544	6.98665	6.13671	7.8182	5.83911	4.02429	4.77066	4.71683	8.70215	2.92859	8.13835	4.27832	4.39945
AARD	1.0496	0.305926	0.321594	0.0133536	0.140898	0.408243	0.325491	0.460641	0	0.0325273	0.07314	0	0.0501628	0.047407	0.111656
AARS	5.67503	6.84579	6.89904	12.3741	11.9651	15.6399	8.23379	4.28082	7.56056	8.96424	8.90646	7.18039	18.178	10.7572	10.4062
AARS2	1.90197	2.78883	2.57436	3.23181	6.20954	3.54807	1.96163	2.01719	1.48532	1.23307	0.912375	2.17122	1.40512	1.9274	1.88353
AARSD1	3.24053	2.55052	2.75921	6.22467	6.5776	7.31029	2.72635	2.51818	1.826	3.19545	5.93691	2.54852	4.26017	3.48695	3.264
AASDH	1.93866	2.05108	1.78463	2.58474	0.795296	1.37643	1.06405	1.85073	1.26811	1.70397	1.57156	1.16488	1.01698	1.34095	1.33838
AASDHPPT	3.07388	3.14916	3.20543	6.17705	1.89735	5.23473	1.95802	3.47946	4.98495	4.34536	5.79859	4.42203	6.30464	4.70548	3.04366
AASS	3.80644	3.0086	3.0544	2.76153	1.28241	3.12818	1.59691	2.92352	0.847282	1.0327	1.34388	1.40892	1.0422	1.61983	2.27692
AATBC	0.966391	2.54394	1.5448	1.09445	3.54175	0.9943	1.87347	1.14066	1.07888	0.631729	0.647743	1.91597	0.48387	0.649762	0.534904
AATF	7.27477	6.87477	7.95869	10.6159	10.6958	13.889	5.89942	6.08094	9.43909	6.33578	4.53934	6.36546	12.3932	7.09577	4.82789
AATK	0.30789	0.310667	0.454501	0.614508	0.536755	1.01142	0.675641	0.409235	0.0578652	0.612598	0.570492	0.870459	0.29819	0.44503	0.694749
ABALON	0.884706	1.067	0.733658	1.19303	1.37519	0.930456	1.25778	0.660576	0.964621	1.12403	0.706032	0.750793	0.918823	0.968389	0.561008
ABAT	0.37466	0.458814	0.606976	0.249355	0.37586	0.618098	0.43223	0.440487	0.104567	0.235118	0.16301	0.0921522	0.498565	0.167258	0.409149
ABCA1	5.43428	4.80449	4.75266	11.0187	7.49996	11.7519	6.44119	6.08686	9.745	5.91891	6.91575	3.55567	6.37821	4.15663	10.5798
ABCA10	1.81637	1.32188	1.85587	0.316437	0.300949	0.477379	1.09548	1.40253	0.147253	0.408336	0.210458	0.400189	0.0353778	0.296132	0.579809
ABCA11P	1.88537	2.17884	2.46195	1.0698	1.08183	1.40081	1.2347	1.55471	0.561297	0.939781	1.26779	0.619884	0.790511	0.979052	1.21934
ABCA12	9.09676	9.96118	9.72166	14.1695	6.58754	7.00549	8.47711	14.118	53.4813	19.2427	17.7135	21.5394	24.8195	12.2409	3.313
ABCA13	0.653188	0.0661877	0.0557075	0.0735584	0.410035	0.135318	0.0322919	0.0706174	0.306722	0.082827	0.0456104	0.300661	0.066908	0.079567	0.278517
ABCA17P	0.0110521	0.0639007	0.077716	0.022779	0.0772546	0.0988123	0.0630945	0.0343776	0.00673009	0.0138715	0.00623821	0.00790806	0	0.0115526	0.0396805
ABCA2	2.56069	2.781	3.37567	1.27806	5.302	4.1133	3.85297	2.31017	1.30477	1.48014	1.20315	1.47372	1.88434	1.79986	4.00347

ABCA3	1.62138	1.84021	2.24613	0.565361	2.3123	2.25535	2.57737	1.40368	0.685171	0.635936	0.30374	0.777593	1.26479	0.704951	0.68751
ABCA4	0.0663487	0.0365346	0.0757981	0.0553506	0.47605	0.172175	0.13708	0.0870438	0.0384787	0.178445	0.0606328	0.063299	0.0835772	0.224573	0.0453739
ABCA5	4.27365	5.55084	6.09134	2.39739	0.935138	2.04334	3.4481	6.31342	1.71855	2.49901	1.48453	2.47863	1.09362	2.55706	2.0004
ABCA6	5.18709	2.50343	3.59702	1.12133	0.610918	2.97302	2.89387	4.50888	0.149018	0.61977	1.14941	0.347074	0.315778	0.641778	1.38066
ABCA7	1.12355	2.38943	1.75506	1.87495	9.01629	2.27755	2.22848	1.34845	2.35225	2.01513	0.957965	2.4215	1.70167	1.29507	1.83292
ABCA8	4.19765	1.58791	2.14606	1.63658	0.580791	3.59725	4.04455	2.56582	0.145529	0.319303	0.504759	0.159968	0.281028	0.245779	2.71802
ABCA9	2.72918	1.70773	2.5334	0.323355	0.205391	4.00625	2.01116	2.29798	0.0871399	0.214366	0.294385	0.213905	0.0355462	0.232275	0.390333
ABCA9-AS1	0.177002	0.0639618	0.146429	0	0	0.414467	0.101048	0.157305	0	0.055539	0	0	0	0	0.0635494
ABCB1	0.604297	0.75384	0.464785	0.538617	0.735406	0.419044	0.344076	0.480077	0.367015	0.502337	0.457132	0.32344	0.338883	0.323368	1.25101
ABCB10	2.45411	2.0613	2.09971	2.98043	2.23692	2.82025	1.83605	1.5731	1.85614	2.98979	4.3283	1.70017	3.77069	2.47431	2.13705
ABCB11	0.166881	0.119001	0.0745501	0.0240766	0.098505	0.0227355	0.247701	0.059324	0.0325188	0.0293234	0.0113033	0.0358223	0.0193807	0.0209326	0.00479324
ABCB4	0.317216	0.25646	0.257714	0.227253	0.229456	0.753471	0.357797	0.197408	0.0636085	0.342328	0.458574	0.128722	0.304971	0.383978	0.866745
ABCB5	0.15273	0.0331865	0.0371614	0.00617225	0.0744289	0.0643209	0.0854813	0.383247	0	0.0150346	0.0338064	0.00857116	0	0.00469549	0.05591
ABCB6	2.1585	2.51211	2.25095	5.18501	9.76354	4.38774	2.81162	1.91154	3.31379	3.5486	2.34229	4.75846	4.7419	4.67936	2.44497
ABCB7	2.25859	2.00387	2.12362	2.52748	0.888683	2.8678	1.829	1.84808	1.66618	1.86694	2.38118	1.3669	2.45546	1.87466	1.19314
ABCB8	1.78888	2.07472	2.0581	3.55605	4.19851	3.91625	2.80702	1.58112	2.26794	2.20842	2.46634	2.19628	3.03682	2.52385	2.47079
ABCB9	0.716376	0.419327	0.401621	0.366072	0.864472	0.932621	0.588101	0.389359	0.0504731	0.1932	0.521309	0.216048	0.359066	0.365126	0.595176
ABCC1	5.64207	5.12765	4.54499	11.4615	10.495	12.8751	7.10223	4.75722	11.7286	6.68305	6.56425	9.62332	13.4029	9.15415	9.80429
ABCC10	1.86503	2.53207	2.50978	2.45158	5.35632	2.80557	2.7588	1.80114	1.06504	1.59695	1.52524	2.01359	2.11248	2.31125	2.66057
ABCC11	0.0895921	0.0522546	0.035108	0.043734	0.0952198	0.0722714	0.0430709	0.0293344	0.028714	0.0473462	0.0425846	0.195691	0.0212963	0.0246446	0
ABCC12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABCC13	0	0	0	0	0	0	0	0	0	0	0	0.0169899	0	0	0
ABCC2	0.314899	0.293843	0.435276	0.221818	0.35912	0.339408	0.400501	0.318823	0.145637	0.230134	0.0989948	0.30803	0.146592	0.197912	0.108765
ABCC3	1.3128	2.13028	2.90217	2.55644	1.76643	4.96857	3.71468	2.14221	0.582856	0.721902	1.17469	0.420977	1.10763	1.09	1.06563
ABCC4	1.30399	1.77094	2.18807	1.59505	0.998429	2.4377	1.32436	2.33089	0.526372	1.70619	2.68555	0.78502	2.80285	1.6874	3.01329
ABCC5	3.55388	5.65959	4.12706	2.83611	7.08703	2.47881	4.72605	2.60417	2.63103	1.26985	1.56955	2.79786	0.802631	2.08023	2.73237

ABCC5-AS1	0.197382	0.213979	0.285755	0.050852	0.153301	0.0420171	0.0563411	0.219271	0	0	0.055705	0.105924	0	0	0.425198
ABCC6	0.199116	0.0716022	0.066418	0.0674661	0.103098	0.175723	0.189453	0.111237	0.0505209	0.0572712	0.0692319	0.0623318	0.0401464	0.0737138	0.131063
ABCC6P1	4.66E-35	0.0063491	0.0115678	4.93E-20	7.55E-34	0.00904739	1.09E-20	3.78E-27	0	3.16E-39	0	0	0	3.10E-42	0
ABCC6P2	0.065561	0.0256553	0.0542367	0.0411468	0.0509195	4.18E-40	0	0.0532162	0	0	0.119004	0	0	0	0
ABCC8	0.0399324	0.00855113	0.00734109	0.00914478	0.0206763	0.0415579	0.0709233	0.00788636	0	0	0	0	0	0	0
ABCC9	21.0717	19.3905	19.8198	10.2586	5.42595	13.2794	15.4371	19.6881	3.60675	8.90187	5.44665	9.31821	3.3844	13.4378	17.5538
ABCD1	0.871654	0.642138	0.945782	1.41249	1.81512	3.54966	1.19716	0.600637	0.253855	0.80862	1.06955	0.27569	1.30001	0.815395	1.88678
ABCD2	0.173324	0.0375795	0.0250925	0.0535845	0.0134616	0.0737914	0.0296843	0.107825	0	0.0163154	0.0391322	0.00620089	0.0111828	0.0158526	0.186686
ABCD3	6.33279	7.19201	8.30464	6.6329	2.69832	5.26773	4.18942	7.59436	11.1569	5.70686	7.46544	5.21162	5.51734	4.16353	3.07241
ABCD4	2.9134	3.19627	3.27579	3.39702	5.39663	4.76346	2.69394	2.0908	1.61584	1.83689	2.81021	1.60506	2.47981	2.41626	3.71257
ABCE1	5.67233	5.33299	5.76565	11.6633	1.71363	8.32133	3.98816	6.69894	5.81988	5.87308	7.1326	5.36985	12.194	8.98624	5.42053
ABCF1	0.939151	1.10502	1.11804	1.79503	1.65306	2.24061	1.10173	0.841432	1.70988	0.983483	0.73912	1.15686	2.25376	1.36432	1.11299
ABCF2	3.55042	4.05438	4.12824	8.73409	5.12422	8.99009	4.61769	2.80336	5.94695	4.78365	5.03368	4.87749	9.89052	6.01491	3.84757
ABCF3	5.98069	6.40774	6.21573	9.45939	10.9004	12.6445	5.97876	4.45686	7.48878	5.68263	5.09112	6.32078	9.30654	6.19599	5.48426
ABCG1	3.90959	3.0189	3.64321	5.75565	6.62143	6.40655	4.82303	3.45742	21.4536	10.4666	13.0518	10.2711	12.9685	7.3043	3.76156
ABCG2	0.553923	0.291151	0.208293	0.168655	0.391106	0.450218	0.196443	0.238681	0.296422	0.221209	0.345815	0.150131	0.151619	0.168877	0.132584
ABCG4	0.284213	0.234751	0.0575806	1.82309	1.44157	1.03222	0.0662255	0.350526	8.85836	2.77365	3.39829	2.89273	1.47821	1.70066	0.383176
ABCG5	0.0337855	0.069183	0.0908366	0.00870423	0	0.0287679	0.0289314	0.0375322	0	0	0	0.0181308	0	0.0176578	0.0363902
ABCG8	0.00868407	0.0125524	0.00718408	0	0.0269787	0	0.0198304	0.00771768	0	0	0	0.00621369	0.00560292	0.0181547	0.0124714
ABHD1	0.288088	0.200496	0.0794422	0.0164935	0.248611	0.136279	0.182738	0.142238	0.0584764	0.0200878	0	0.0458077	0.0309788	0.0752836	0.18388
ABHD10	2.07842	1.78029	1.82859	1.39392	0.75588	2.97064	1.41254	1.70786	0.431925	2.16351	4.22703	1.02685	1.50595	1.18111	1.40952
ABHD11	1.64398	1.84078	2.3082	1.87313	2.21198	3.34184	2.94775	1.50219	0.549895	0.79919	1.37228	0.579871	1.53874	1.22226	1.47976
ABHD11-AS1	0.195713	0.165021	0.323815	0.352954	0.0760024	0.166647	0.223459	0.13045	0.119178	0.12282	0.386637	0.0350095	0.126273	0.0511441	0
ABHD12	5.96091	5.11513	6.27332	5.07459	8.67787	9.35848	9.10759	4.63219	21.9079	7.32495	12.4181	4.43007	7.28934	4.40479	4.05287
ABHD12B	1.01624	2.88559	3.7103	0.377013	1.05238	0.473037	4.0688	2.13142	1.91425	0.238089	0.428289	0.0872572	0.157361	0.184125	0.525399
ABHD13	1.5452	1.18615	1.27107	1.45293	0.474621	0.984929	1.11138	1.86978	1.78619	2.02704	2.74955	0.99944	2.26145	1.48514	1.46686

ABHD14A	2.14995	1.23267	1.25612	2.03434	2.13747	1.74852	1.76186	1.29898	0.712127	1.18476	2.92902	0.633091	1.17174	1.17563	1.11008
ABHD14A-ACY1	0.452154	0.386288	0.302903	0.0500806	1.08803	0.995274	0.893125	0.00334669	0.0011899	0.0898514	1.02294	0.54878	0.432433	0.689205	0.183153
ABHD14B	6.41967	5.7012	5.91573	7.28111	6.75613	9.88135	4.83591	5.60399	4.70724	3.44462	8.29756	3.46547	3.06969	2.86878	3.21862
ABHD15	1.52916	1.36975	1.33908	1.79849	2.78593	3.10127	1.16565	1.15663	1.10894	2.45016	2.10251	1.58931	2.80833	1.73251	1.75838
ABHD16A	0.462408	0.482831	0.510415	1.06016	1.01221	1.10517	0.415371	0.297258	0.787124	0.705811	1.08763	0.59975	0.91051	0.629607	0.660248
ABHD16B	0.716705	1.13641	0.862413	2.75291	3.62325	3.41748	1.17539	0.822241	2.74556	1.81543	1.22096	1.669	2.00099	1.98188	1.06671
ABHD17A	15.7929	19.0135	19.3578	25.6431	61.404	30.3633	18.3859	11.9138	44.2819	26.3215	60.1228	23.6137	34.8682	23.4789	14.8362
ABHD17B	2.6233	2.76638	2.42757	5.66909	3.51474	3.25121	3.05979	2.51361	20.9952	6.57615	12.548	4.77102	6.40977	4.08358	2.35589
ABHD17C	3.28514	2.74987	3.35047	9.45899	3.32073	8.92615	2.50804	4.08738	10.9996	6.57248	8.91149	5.59233	9.11092	5.41225	3.15464
ABHD18	1.65393	1.30243	1.47426	0.932688	0.603404	1.01275	1.05166	1.41294	0.687692	0.758969	1.22965	0.753615	0.529679	1.1114	0.874186
ABHD2	9.40153	5.78371	6.54695	6.77128	4.23533	17.8387	7.99972	6.63888	4.09528	9.70011	9.10792	5.32683	12.7502	6.54923	11.7619
ABHD3	0.831819	0.988599	0.978687	2.09541	0.531198	1.51887	0.654268	0.657113	0.574068	2.07644	3.25527	0.88617	2.3316	1.33805	1.15478
ABHD4	3.84641	4.68426	3.99852	6.48283	7.66552	13.7918	5.59232	3.30361	3.60605	4.50349	8.30938	3.92042	3.56482	3.1191	4.39795
ABHD5	4.19081	4.02662	4.24782	5.05672	2.60391	2.86167	4.31108	5.26848	21.5458	6.33235	7.75775	5.8488	7.48699	3.99993	1.86984
ABHD6	1.72876	4.30354	5.19008	1.72407	3.53717	2.55624	2.97137	2.0898	7.23318	2.36808	3.59883	2.12812	3.65799	2.2491	1.52166
ABHD8	1.41737	1.80865	1.43821	2.23661	4.90216	2.99833	2.92055	1.13171	10.1819	1.4454	2.95007	1.36279	1.30028	1.34267	1.06547
ABI1	9.86317	10.6936	11.2385	14.7727	4.6202	11.4001	7.66318	10.4952	19.3236	18.7614	14.9766	12.6789	23.2481	11.0361	7.4485
ABI2	3.40781	2.53053	2.80536	2.26204	1.65552	3.97135	2.79613	2.95433	1.32241	1.72344	2.71551	1.38892	1.49383	2.22458	4.13116
ABI3	1.14124	0.771929	1.02574	2.69142	2.57025	3.84028	0.88957	1.10195	0.561307	1.37718	3.54288	0.855848	2.3364	2.57511	4.05013
ABI3BP	7.57505	4.04038	5.4807	2.396	1.02078	7.63603	6.8955	5.1292	0.561103	1.02202	2.95929	0.204438	1.86647	1.07703	6.48828
ABL1	7.97515	5.88533	7.12058	10.6728	9.7118	23.6782	8.53881	5.72364	5.43834	7.25227	8.43387	5.32973	11.4993	9.48615	16.3211
ABL2	3.04106	1.9026	2.28577	4.00902	1.57461	5.00236	2.67846	2.38144	1.05844	9.70292	4.57288	3.51927	10.853	5.80131	8.82351
ABLIM1	18.3577	24.3586	24.8437	20.8803	16.8101	21.3935	31.4143	22.7269	75.0954	38.6546	30.8942	43.6694	43.3041	30.6446	14.5238
ABLIM2	1.07515	1.50578	1.62059	2.00468	1.53562	1.34994	3.303	0.647799	1.3316	0.731891	0.498855	1.17677	1.64602	1.25241	0.922505
ABLIM3	2.73062	1.34577	1.80161	1.58039	1.73995	4.40867	2.36026	1.28174	0.310311	6.8484	3.75006	2.61429	8.52982	3.48242	3.85248
ABO	0.381076	1.2217	1.92789	0.10573	1.00175	0.436802	0.384897	0.377746	1.12457	1.39808	0.0827284	0.188772	1.1726	0.168526	1.0314

ABR	4.53172	7.85522	7.64292	7.585	10.8328	12.9331	7.08229	5.14902	8.42693	8.59591	5.95513	7.84219	11.8276	6.43052	7.59225
ABRA	0.151262	0.194347	0.201605	0.0606199	0.0783206	0.0429325	0.115137	0.209112	0.071641	0.0738302	0.066405	0.0180386	0.0108437	0.026352	0.0120684
ABRACL	3.50569	2.66561	2.80953	10.9793	3.02058	10.7975	2.40787	2.4097	4.16947	8.25001	12.7382	3.50786	6.99761	6.69908	4.75929
ABRAXAS1	1.53512	1.539	2.04145	1.41491	0.127111	1.26646	1.06162	2.14591	0.822639	1.24902	1.98479	0.704999	0.849671	1.22166	1.60693
ABRAXAS2	2.89288	2.72431	2.84752	3.73845	1.35771	4.10322	2.11957	3.279	4.5877	3.3202	3.34429	2.61786	5.25507	3.20581	1.83289
ABT1	4.55089	4.00597	4.28089	6.92407	4.79746	7.00116	4.28529	3.7627	4.50871	5.10856	8.34681	2.94895	6.84236	4.21715	3.06955
ABTB1	3.159	3.54594	3.50339	4.88315	9.60066	7.44579	3.35853	2.04456	2.67638	5.28649	6.61539	2.56336	5.57542	4.93514	5.29283
ABTB2	1.6379	1.63064	2.1672	1.46415	2.22162	1.80059	2.0749	1.16199	3.11577	1.02491	0.953801	1.30031	0.855768	0.996657	1.06427
ACAA1	7.36105	6.33018	5.60779	18.0883	19.5214	18.9817	5.61195	4.39922	17.8589	28.0817	21.0897	15.8012	26.0756	15.8149	9.16639
ACAA2	7.34738	3.04424	2.95994	3.69952	4.53547	12.0029	3.44304	3.61582	11.0615	7.17912	13.8868	5.38568	8.36921	11.0136	6.92567
ACACA	4.55334	6.35339	5.14295	12.907	7.6857	8.68233	6.64538	3.93641	14.9972	8.30838	5.02764	10.2568	10.3604	7.48553	4.27573
ACACB	4.36388	1.83976	2.05759	0.701383	2.98119	2.74636	3.1198	1.89687	0.152371	0.411411	0.446302	0.354501	0.594107	0.680041	2.2136
ACAD10	2.05679	3.07344	2.86229	2.94999	3.71134	3.20035	2.82449	2.20351	1.32452	1.5206	1.78115	1.80231	1.99236	1.96145	2.17691
ACAD11	3.84717	4.94248	4.22916	2.41649	2.91363	2.3958	2.70833	2.92223	8.38511	2.60669	3.87081	2.60722	0.667367	2.58508	3.54478
ACAD8	4.63702	3.60712	4.10573	4.59438	5.25926	6.13295	3.62564	2.70061	9.33545	3.10133	5.37706	2.64079	2.67293	2.30261	2.38589
ACAD9	6.08365	10.8278	12.0378	9.99386	20.2163	8.87935	11.5456	8.1945	16.0388	7.33318	7.97467	8.00532	8.54183	6.07096	4.75633
ACADL	0.622725	0.59112	0.415205	0.306501	0.0433122	0.648953	0.498766	0.313883	0.633894	0.0233308	0	0.232764	0.0239868	0.0194306	0
ACADM	3.1755	2.44801	2.71106	4.70358	0.986531	5.6097	1.43094	2.03192	1.52633	3.20972	5.32452	1.55113	3.95558	2.70857	2.80922
ACADS	2.49505	1.44259	1.30267	2.4341	4.59916	5.81641	2.01314	1.10377	1.66115	2.2408	3.59274	1.55518	2.26803	1.98791	1.71994
ACADSB	3.51374	4.04211	5.0079	0.919299	0.736256	2.6602	3.31824	2.93738	1.43277	0.933842	1.49955	0.737432	0.85705	0.876217	1.39301
ACADVL	23.2615	19.6695	21.8354	29.0937	47.3044	38.6276	21.4407	15.9107	52.8475	42.3188	28.7181	40.0448	50.6578	33.2667	29.3958
ACAN	0.290597	0.132446	0.0519789	0.0593542	1.43552	0.263044	0.367664	0.104699	0.188117	0.946325	1.54567	0.134873	0.423968	0.584253	9.62875
ACAP1	1.04273	1.04037	1.51149	1.26475	2.70909	1.72074	1.00091	0.943093	0.842872	0.9497	1.2292	0.726293	1.24431	0.877749	1.74928
ACAP2	6.27154	5.89726	6.63286	6.28006	2.57711	7.73124	4.89046	6.93332	11.3136	7.34478	8.13647	5.99328	8.17187	4.66616	5.33543
ACAP3	6.13823	12.2423	12.5396	7.4296	29.6755	9.46245	12.14	6.21023	8.24799	7.25593	3.67663	13.4802	5.88691	8.19886	7.40059
ACAT1	6.3985	4.95353	6.11869	5.11861	1.81936	6.17775	5.80733	4.21183	6.07563	6.30212	9.80629	3.77128	5.07988	4.05831	4.31418

ACAT2	2.9405	3.4533	3.1462	9.05939	3.10661	9.20894	3.05806	2.07014	4.98807	8.14589	11.0704	4.79397	8.07382	5.46647	2.27599
ACBD3	7.47598	6.30782	6.70845	10.8524	5.58866	10.3675	4.2926	6.97717	12.3932	12.2662	11.8286	7.03608	16.3144	8.34651	8.20438
ACBD3-AS1	0.807466	1.92968	1.81702	1.39506	0.308523	0.28728	0.53101	1.28917	1.62836	0.627833	0.765194	0.759962	0.0980636	1.04178	0.676911
ACBD4	1.07858	1.27682	1.47728	0.493186	2.40771	1.54485	1.2478	0.736372	0.704641	0.358604	0.475744	0.383321	0.188952	0.55998	0.93349
ACBD5	2.57597	2.66213	2.69053	2.25851	1.84281	2.37592	1.98749	2.46667	3.58734	2.60225	3.27092	1.95424	2.79702	1.96828	1.78336
ACBD6	7.21788	5.54774	5.59202	7.60058	7.45233	11.5846	5.15072	4.54371	3.85459	5.89566	9.66777	3.95542	5.76574	6.01036	4.73042
ACBD7	0.0756056	0.0597827	0.0569608	0.0638648	0.0427286	0.0584748	0.0392047	0.0979045	0.0501821	0.0604539	0.0310528	0.108656	0.0177232	0.0538452	0.0493797
ACBD7-DCLRE1CP1	0	2.84E-06	0	0	0	5.01E-06	0	0	0	0	0	8.33E-28	0	0	0
ACCS	2.4928	2.35272	2.54596	1.22631	4.57332	2.19246	3.34985	1.81425	0.799593	0.630895	0.706411	1.15241	0.602301	0.986519	2.29826
ACCSL	0	0.0298625	0.0307642	0	0	0.0527745	0.0990723	0.0220328	0	0	0	0	0	0.00647861	0
ACD	1.88392	1.88919	1.97664	3.01474	4.42524	7.17289	2.43079	1.29313	1.13787	1.73013	4.44361	1.45758	3.50814	2.37748	2.52957
ACE	2.40344	1.02341	0.854746	2.07468	3.87113	6.36232	3.12896	1.58424	0.918098	1.73647	2.96347	0.73929	1.23311	1.4995	5.9735
ACE2	0.0725901	0.101746	0.0655109	0.217618	0.0820055	0.185429	0.0904157	0.0527826	0.241109	0.115956	0.148991	0.250257	0.123474	0.0896735	0.0189543
ACER1	5.48797	8.58848	9.16805	2.8716	12.7871	3.18774	17.7293	6.18163	44.8949	2.96343	11.3819	7.94489	0.521514	1.15619	0.549866
ACER2	0.900729	1.77113	2.33613	2.00698	1.46217	1.83103	1.50094	0.872609	1.4923	1.21199	0.659553	1.39931	1.71202	0.805806	0.617646
ACER3	1.52151	1.22695	1.2779	2.68164	0.509672	2.75212	1.11112	1.70257	0.813276	2.76237	3.13351	1.27687	4.82937	2.75162	2.39824
ACHE	0.153945	0.234881	0.31131	0.0528816	0.332124	0.233035	0.146474	0.121612	0.0520799	0.397168	0.0675829	0.079554	0.480069	0.214556	0.0736948
ACIN1	9.67034	12.237	11.401	16.2841	18.139	17.5682	9.5256	9.00518	10.0292	8.2741	5.75545	10.4933	12.5139	12.0858	11.0055
ACKR1	16.7447	4.81846	5.67436	9.91759	11.3704	32.243	10.163	7.25916	0.318842	4.33731	15.4743	1.00406	6.70236	4.83271	8.30157
ACKR2	1.36044	0.715753	0.795576	6.45389	7.88209	1.83079	2.06214	1.51478	5.65617	1.83506	1.10328	1.68392	5.41781	1.77756	1.01056
ACKR3	6.96496	4.16823	6.01718	13.6851	4.26254	11.5421	15.1498	3.56505	1.59719	6.80528	12.08	2.46815	21.4733	14.6068	17.9001
ACKR4	1.95537	2.37898	2.67388	1.83104	0.790549	5.00257	3.20106	2.90422	4.65411	1.5913	3.00364	0.983858	4.58554	2.34259	10.5916
ACLX	7.89798	9.0987	9.64505	29.7063	14.3911	27.8472	11.3281	6.73656	15.0893	20.6499	15.4337	15.0549	28.5693	22.2384	15.2526
ACMSD	0.136437	0.0739544	0.0141087	0.0175752	0.0264916	0.0145217	0.0584171	0.0757834	0	0.0214052	0	0	0	0.0713077	0.244925
ACO1	4.04044	2.63364	3.13628	5.75156	2.63163	10.4191	4.56216	2.76697	1.7908	5.15941	6.74075	2.32382	5.84067	3.49167	5.93112
ACO2	11.7987	9.77941	10.6838	17.9471	16.9645	17.1779	11.8229	9.21829	13.1434	10.251	11.4729	9.22458	17.7517	11.3991	11.713

ACOD1	0	0.0266763	0.00916056	0.0114113	0	0.00942871	0.0252861	0	0	0	0	0	0.693006	0	0.0636102
ACOT1	1.25436	0.338088	0.374219	0.710242	0.710058	3.78845	0.511704	0.221732	0.291321	0.314735	1.33351	0.146513	0.463836	0.0991728	0.173395
ACOT11	0.970301	1.17317	1.13038	4.04971	2.00712	3.8726	0.832545	0.974291	0.92262	1.48834	1.50236	1.03208	3.51204	2.97533	1.33297
ACOT12	0.0465421	0.033637	0.0288772	0	0	0	0	0	0	0	0	0	0	0	0
ACOT13	1.92543	1.99711	2.14598	2.61955	1.36661	2.70697	1.47107	2.20422	3.0565	2.37502	4.24096	1.87903	1.47823	1.69542	1.83931
ACOT2	3.47594	1.68531	1.72054	3.06911	4.25453	6.00598	2.44356	1.95114	1.87552	1.87499	5.30075	0.94657	1.76633	1.69998	2.10415
ACOT4	0.411243	0.163981	0.164239	0.453025	0.28636	0.809009	0.27525	0.113424	0.241789	0.177984	0.832434	0.0811739	0.29278	0.133407	0.325847
ACOT6	0.0230508	0	0.0190693	0	0	0	0.0789561	0.061457	0	0	0	0	0	0	0.0331039
ACOT7	2.2184	2.13772	1.73103	9.3142	5.43225	5.79878	2.32274	1.851	7.37381	11.806	10.0281	6.5295	20.7504	8.0148	4.34063
ACOT8	2.29477	3.17074	3.82805	4.30394	6.09342	3.80064	4.1583	2.32357	5.28686	2.96519	5.2446	3.28439	2.44264	2.19396	1.64946
ACOT9	2.95034	1.97004	2.04278	4.37883	1.23705	3.477	2.44102	1.50576	1.71848	4.2061	4.63985	1.9466	6.20725	3.26272	4.74366
ACOX1	5.75593	8.31804	10.5029	6.64975	4.37451	7.2227	7.80461	9.43758	9.11104	4.74927	6.0046	4.68427	6.0856	4.39634	4.02159
ACOX2	0.791815	0.511898	0.538961	0.454475	0.482643	2.108	0.423425	0.302858	0.207517	0.427715	0.803343	0.0860605	0.323339	0.324784	0.820473
ACOX3	3.83303	6.13015	4.56323	7.037	12.2958	5.61561	5.90264	3.49234	12.0236	4.15389	4.35426	6.07869	5.06558	4.57056	2.61358
ACOXL	0.029258	0.0140969	0.0322723	0.0201008	0.0454477	0.0747383	0.0445411	0.00866735	0	0.0122406	0.0330286	0.00697829	0.0188771	0.0203887	0
ACOXL-AS1	0.0144104	0.0138863	0.00596064	0.00742515	0	0.0184054	0.00822665	0.0256135	0	0.00904325	0	0	0	0	0.0103476
ACP1	9.77619	6.62403	7.22279	12.2796	3.41918	13.6853	6.14968	7.86859	6.9191	10.5569	18.4073	5.78087	13.8447	8.74063	8.00005
ACP2	3.53741	2.71545	2.52133	5.92121	4.82738	9.37659	3.79931	2.61092	1.59426	3.77509	8.30243	2.38811	6.00233	3.34247	4.82185
ACP4	0.223355	0.190398	0.270056	0.0708228	0.266883	0	0.294254	0.152692	0.0209247	0	0.0775817	0.159817	0	0.134695	0.074023
ACP5	9.05752	6.38569	4.77901	15.0054	15.8604	16.7101	5.70007	5.94738	55.8647	28.0469	65.0272	22.8023	15.6143	13.1454	7.13548
ACP6	1.52247	1.53894	1.76588	0.938133	2.04797	1.71734	1.37989	1.33909	0.219827	0.344741	0.584704	0.320071	0.237977	0.410158	0.642412
ACP7	0.609645	1.25403	1.30612	35.2071	6.10684	3.99978	2.65935	1.84768	49.0043	8.78956	19.164	31.5924	4.24607	17.083	1.54901
ACPP	4.52798	6.55377	6.7546	3.48562	3.02244	3.18971	5.15607	8.44147	15.8792	2.38887	4.7694	3.84277	1.13807	0.734986	0.496195
ACR	0.726388	0.325567	0.251548	0.139268	0.183682	0.40275	0.520765	0.390334	0.0205735	0.0848085	0.0762792	0.0725232	0.217982	0.0882888	0.485202
ACRBP	0.171794	0.112334	0.172574	0.164393	0.400282	0.313457	0.070053	0.130865	0.044834	0.169415	0.263196	0.0614615	0.0870888	0.109027	0.158604
ACRV1	0.0590886	0.0474497	0.0651764	0.0811901	0.152975	0.536674	0.0674655	0.0525131	0.143927	0.0247208	0.355753	0.0986522	0.0381237	0.216176	0.198004

ACSBG1	1.35131	1.10384	0.970126	0.600241	0.373968	0.555472	2.04831	1.35967	3.03611	0.731046	0.955602	0.944669	0.235501	0.267888	0.0669188
ACSBG2	0.0497878	0.155926	0.0549174	0.0256539	0.0515585	0.0353281	0.123167	0.0958691	0	0.0104148	0.00936738	0.041562	0.0107076	0.0303582	0
ACSF2	2.59691	3.1007	2.8355	1.83004	4.52331	2.97541	2.74705	1.83276	1.63951	1.06649	1.64902	0.874428	0.400398	0.718548	0.740414
ACSF3	1.25382	2.02047	1.80865	2.25846	3.59246	2.76772	2.00902	1.30625	1.46286	0.892632	1.4392	1.18363	1.46837	1.45103	1.40723
ACSL1	19.5668	20.5917	18.3387	26.7155	19.7972	21.0729	21.5437	15.958	45.8831	17.7233	17.4887	14.0527	18.0829	8.72922	9.35504
ACSL3	4.25773	3.29562	3.24309	7.94144	2.07824	8.629	2.20548	4.35493	4.26426	5.80837	5.92658	4.18714	8.11262	4.89265	4.41517
ACSL4	4.92617	3.37582	3.74254	12.9699	1.1421	9.90275	2.42464	4.17039	2.35451	6.25879	7.9778	1.79799	14.0523	7.97692	10.7703
ACSL5	1.41943	0.768602	0.775786	2.27213	0.689774	3.41527	0.770685	1.02179	0.308657	1.28011	1.98063	0.520994	2.32439	1.41972	2.35084
ACSL6	0.1125	0.0636644	0.0786448	0.0454996	0.0467931	0.0859983	0.0625105	0.0628561	0.0163041	0.0298986	0.0151124	0.0336587	0.0410291	0.0245229	0.151238
ACSM1	0.204354	0.177229	0.0929807	0.189533	0.0952295	0.0696018	0.0699973	0.136209	0.049776	0.0128242	0.0115345	0.0584882	0	0.0106804	0.0146739
ACSM2A	0	0.00334253	0	0	0.0107761	0.0236283	0	0.00616535	0	0	0.0156628	0	0	0	0
ACSM2B	0.00948097	0.00913615	0	0	0.0147272	0.0242188	0	0.0084259	0	0	0	0	0	0	0
ACSM3	0.451559	0.446959	0.439613	0.287588	0.282446	0.327117	0.274747	0.36485	0.712497	0.121283	0.210398	0.110946	0.0130357	0.0569117	0.229567
ACSM4	0.0132777	0.0063974	0.0219685	0	0	0.0226116	0	0	0	0	0.0149889	0.00950056	0	0.027758	0.0190685
ACSM5	0.347294	0.192253	0.262854	0.0456889	0.367297	0.843105	0.295287	0.249543	0.00899924	0.0649197	0.141806	0.0158616	0.0715123	0.00772386	0.148566
ACSM6	0.162123	0.162736	0.122943	0.0974589	0.335777	0.126542	0.740427	0.168095	0.246809	0.067827	0.10676	0.135337	0.00871674	0.211831	0.0194024
ACSS1	2.35461	3.12332	2.89565	1.12722	2.8348	3.57354	2.34661	1.93397	0.67309	0.60695	1.02683	0.700276	0.876593	0.878583	1.40552
ACSS2	4.29087	5.39201	5.8642	7.01367	6.05719	10.0041	5.88392	3.4333	4.49313	6.71362	5.75205	4.07636	7.92177	4.6746	3.206
ACSS3	1.67389	0.377103	0.510423	0.576958	0.443707	3.32243	0.724035	0.741266	0.104365	0.602306	1.22534	0.0572285	0.206413	0.334412	1.22247
ACTA1	0.775571	0.0224209	0.0256643	0.015985	0	1.78305	1.91273	0.0275705	0	0	0.0175105	0	0	0.0162139	0
ACTA2	70.0203	18.8117	25.9324	13.082	37.5823	101.182	79.3445	18.1713	16.9439	59.309	166.498	11.9588	28.5248	32.9459	98.9677
ACTA2-AS1	2.6399	0.775285	0.892227	0.118032	0.566119	0.41426	1.90872	0.665339	0.242723	0.212397	0.348399	0.212468	0.0552396	0.549965	1.96463
ACTB	385.738	334.619	395.572	1260.34	616.504	1436.07	637.338	347.199	853.605	1308.92	1675.57	942.494	2777.86	1022.34	941.875
ACTBL2	0.0165663	0	0	0.008536	0	0.0141059	0.0283722	0.0220841	0	0.0415847	0	0.0355608	0.0106885	0.0909116	0
ACTC1	0.683074	0	0.0259214	0.0129161	0.895565	4.2635	0.729826	0.0668322	0.00763218	0.298885	0.813552	0.00448402	0.177904	0.085157	0.422992
ACTG1	237.595	293.25	338.05	810.923	395.084	946.274	447.611	215.384	992.32	992.975	1206.34	698.171	1920.18	789.821	500.335

ACTG1P17	0.210137	0.161995	0.0813542	0.101058	0.0870439	0.0715714	0.0959709	0.211652	0.0170615	0.0175829	0.0474436	0.140335	0	0.153757	0.0603566
ACTG1P20	0.794124	0.818635	0.851876	0.395694	0.867551	0.662494	0.755096	0.798818	0.286958	0.700981	0.128067	0.686903	0.354714	1.23855	0.576498
ACTG1P4	0.828622	0.596052	0.695149	0.144324	0.362573	0.258374	0.572986	0.601574	0.0426409	0.117184	0.0395244	0.0501043	0	0.0853948	0.0335213
ACTG2	21.613	2.29548	3.0351	0.913846	7.67058	67.9137	55.3897	2.85876	1.82116	4.25556	15.7028	1.33123	2.86071	6.10685	13.1097
ACTL10	0.479294	0.632311	0.575877	0.364565	2.28671	0.971696	0.729656	0.314397	0.986775	0.272136	0.399356	0.653234	0.47122	0.453286	0.475273
ACTL6A	5.66091	5.15708	6.02113	10.7728	2.64169	10.096	4.45378	4.32278	4.60588	7.32888	11.7203	3.79525	7.86495	6.95523	5.00424
ACTL6B	0	0	0.0123679	0	0	0	0	0	0.0182078	0	0	0	0	0	0
ACTL7A	0.15146	0.175141	0.187947	0.0156084	0.0941077	0.0128966	0.293984	0.107684	0	0.0190098	0	0.0108374	0	0.0474957	0
ACTL7B	0	0.0792514	0.0544295	0	0.0766506	0.0280114	0.150243	0.0292361	0	0.0412891	0	0.0588467	0	0	0
ACTL8	0	0	0	0.0256309	0.0386342	0	0	0	0	0	0.028077	0	0.00802352	0.012999	0
ACTL9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACTN1	17.7346	12.9297	16.3577	81.9367	25.6701	81.4771	17.7809	11.7296	17.1747	56.1901	42.675	29.8444	128.041	62.4069	52.1724
ACTN1-AS1	0.115908	0.037231	0.0319625	0.0796313	0.0600153	0	0.088227	0	0	0	0	0.0276452	0	0.0403859	0
ACTN2	0.0135869	0.0283677	0	0.00466724	0.0211052	0.0347072	0.0258552	0.0281748	0.00551578	0	0.0255632	0.0129624	0.00584414	0.00946816	0.0325209
ACTN3	0.00694778	0.0167377	0.0114954	0.0429593	0.0647538	0	0.031731	0	0	0.0174404	0	0	0.026896	0.0145249	0
ACTN4	45.4827	49.5694	56.5205	70.7892	59.4463	94.518	65.1189	36.2201	79.213	71.0336	37.7417	56.43	124.893	59.1787	47.83
ACTR10	6.75993	6.5963	6.79232	10.6204	3.71126	9.57449	5.41253	4.87017	10.1727	9.86476	12.8113	6.53967	12.1852	7.44267	5.17403
ACTR1A	12.6308	13.0719	14.1276	27.1452	26.1392	28.6159	14.8721	10.4162	31.8744	30.9679	30.0631	21.5279	42.706	20.9662	17.5379
ACTR1B	8.06625	8.73585	9.69149	10.4883	12.3227	10.9701	9.52574	5.41061	8.30091	7.82131	11.7554	6.52698	8.78184	7.45661	7.69823
ACTR2	20.8151	18.0681	19.0585	39.8682	7.77971	39.5939	14.7793	21.3405	30.6781	47.3046	49.0676	26.9089	78.5807	35.2864	33.6229
ACTR3	8.01595	10.6063	12.1981	30.3411	6.21056	15.8328	9.17926	10.4219	35.2671	38.8286	39.3174	21.3641	54.3731	25.8689	17.7966
ACTR3-AS1	0.117677	0.170095	0.1298	0.040423	0.0609308	0.1336	0.0447864	0.104581	0.143317	0.196928	0.221404	0.0280669	0	0.102505	0.0563328
ACTR3B	2.28838	1.58285	1.67923	1.3197	1.41883	2.59667	1.8567	1.744	1.13932	0.685214	0.896167	1.04482	1.15032	1.10389	1.24658
ACTR3BP2	0.0518903	1.60E-13	0	0	0	0	0.0394977	0	0	0	0	0	0	0	0
ACTR3BP5	1.23E-30	0.0135571	0.0581932	0	0	0	6.22E-22	0.0250062	0.0171341	0	0.0158818	0	0	0	0
ACTR3C	0.417931	0.68329	0.498728	0.397557	0.887764	0.113989	0.435091	0.612728	0.401038	0.415404	0.255553	0.677278	0.174878	0.349617	0.27153

ACTR5	1.82979	1.8442	1.71453	2.82847	2.66827	2.17807	1.64151	1.29429	1.7282	1.64041	1.90752	1.81025	2.33704	2.01999	1.20664
ACTR6	1.69663	1.35817	1.3524	2.5771	0.343157	1.71553	0.867683	1.61777	1.67887	2.10726	3.03252	0.600668	1.36832	1.28853	1.11676
ACTR8	2.88969	2.55716	2.23752	2.76755	2.30875	4.68751	2.45449	2.22797	4.06314	2.68212	3.34131	2.25935	2.72871	2.46045	2.62923
ACTRT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACTRT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACTRT3	0.335072	0.205979	0.277195	0.952555	0.412796	1.04285	0.290229	0.112952	0.394008	0.536563	0.860854	0.281089	1.28221	0.471021	0.381646
ACVR1	4.19007	3.50479	3.2941	6.20882	3.73944	7.63427	3.75893	3.20338	4.36611	8.51728	9.60705	4.08752	9.08416	6.47453	6.80234
ACVR1B	7.67425	10.631	11.7134	8.58331	9.60229	13.3602	8.81159	8.26213	9.69223	5.32962	4.1251	5.70803	6.27161	3.64098	2.85555
ACVR1C	0.124932	0.0847633	0.0337478	0.0578044	0.0514861	0.156311	0.0465775	0.0838385	0.0776293	0.240004	0.146789	0.087568	0.310908	0.167902	0.0109848
ACVR2A	3.45581	4.15392	4.83399	1.63413	1.01791	1.92998	2.64993	5.15071	1.69768	1.51679	1.53022	1.25601	1.31843	1.17249	2.0472
ACVR2B	0.706114	0.570623	0.503343	0.740254	0.843966	0.878479	0.569232	0.538921	0.10161	0.411198	0.429569	0.228597	0.431949	0.440303	0.876717
ACVR2B-AS1	0.413761	0.283529	0.228195	0.161082	0.285651	0.344483	0.367437	0.187944	0.0335943	0.0577014	0.124556	0.0592115	0.0711885	0.0864999	0.132047
ACVRL1	5.42317	1.95213	2.4258	5.30171	5.71403	11.361	3.69001	2.33044	0.915201	3.66715	6.12208	1.61309	6.55725	4.94644	7.68268
ACY1	2.55646	1.2521	1.33012	8.99039	3.7117	8.52344	1.25369	1.70028	2.7535	4.08517	5.5304	2.68791	4.68628	3.36804	2.23105
ACY3	0	0.00857744	0.0294547	0.0183458	0.0829596	0	0	0.0474637	0.0216813	0	0	0	0	0.00930428	0
ACYP1	1.18561	1.42811	1.29468	1.51503	0.69983	1.97868	0.568549	0.716495	0.779725	1.63686	2.14144	1.1707	1.4228	1.61109	1.08972
ACYP2	0.769445	0.690326	0.735313	0.594702	0.855196	0.751189	0.68919	0.607184	0.767451	0.482866	0.666432	0.678706	0.423688	0.45068	0.495354
ADA	1.60427	1.18091	1.53607	4.82195	1.61517	3.46563	1.69602	1.14851	0.307545	2.79656	5.53367	1.28607	4.14026	3.10541	2.3466
ADA2	2.80969	1.09949	1.43552	2.41044	1.66158	5.24224	1.86726	2.52659	0.179489	1.92134	5.31852	0.275538	2.44466	1.29454	6.11746
ADAD1	0	0.00988973	0	0	0	0	0	0.00912089	0	0	0	0	0	0	0
ADAD2	0.167262	0.280828	0.151373	0.154638	0.492061	0.157967	0.164517	0.137469	0.0839271	0.0587448	0.0231651	0.103909	5.75E-44	0.0271056	0.057702
ADAL	0.865281	0.477476	0.411966	0.553823	0.320908	0.531924	0.360468	0.503333	0.202405	0.511172	0.871477	0.220025	0.34862	0.445052	0.416033
ADAM10	5.42484	5.1788	5.64779	13.5354	3.07075	10.1391	3.76886	4.91929	7.43552	13.9235	14.3813	7.67767	23.5467	11.9968	9.42817
ADAM11	0.17267	0.272275	0.272704	0.118628	0.601455	0.169303	0.31066	0.209257	0.388723	0.157614	0.336686	0.131038	0.0168797	0.0929797	0.240462
ADAM12	0.323697	0.321906	0.310631	1.23291	4.12707	2.56881	0.440548	0.766368	0.416304	7.98901	14.9501	0.770814	4.03822	3.19414	13.6749
ADAM15	27.7394	26.3913	24.8155	32.3126	50.2067	58.7542	33.8707	19.6425	47.7207	31.1339	42.0802	29.0954	40.8498	26.435	23.8305

ADAM17	5.39739	5.49529	6.0383	9.09406	2.85727	7.63878	3.85137	5.77796	6.18724	6.79045	6.98239	5.32471	10.1021	7.14486	4.2009
ADAM18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADAM19	1.05631	0.498698	0.507303	1.60726	1.48113	2.73753	1.33152	0.64579	0.366944	2.92738	4.04949	0.72538	3.39618	3.87562	5.81343
ADAM1A	2.02909	2.24977	2.04938	1.00773	1.0886	0.839587	2.11206	1.69466	0.367207	0.439795	0.202382	0.466464	0.352264	0.928463	1.35754
ADAM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADAM20	0.588523	0.670958	0.617156	0.503985	0.502155	0.183509	0.425888	0.758762	0.171617	0.364127	0.0374293	0.480414	0.123005	0.602179	0.226179
ADAM20P1	0.381144	0.52154	0.441433	0.439913	0.343388	0.129816	0.243699	0.447122	0.111406	0.468807	0.0860528	0.343625	0.0393459	0.374501	0.29558
ADAM21	0.179806	0.247889	0.231313	0.14091	0.12145	0.0739715	0.0867843	0.252146	0.0423208	0.163552	0.0490346	0.150279	0.0392352	0.2039	0.0623805
ADAM21P1	0.0147118	0.0368809	0.0449814	0.0495884	5.89E-44	2.00E-31	0.0290241	0.0234987	0	7.67E-25	0	0.0389858	0	0.00644585	1.69E-31
ADAM22	0.434007	0.251623	0.254485	0.081096	0.144463	0.221325	0.302222	0.341204	0.0348509	0.0718316	0.0942191	0.0307131	0.0230785	0.0859963	0.232877
ADAM23	0.9629	1.37391	0.123024	2.60142	4.23305	2.86489	0.233465	0.832617	10.3098	7.97915	4.93134	10.066	9.21573	4.62255	2.21042
ADAM28	0.381279	0.300345	0.438085	0.324315	0.112811	0.435449	0.138201	0.537856	0.0479097	0.159515	0.389425	0.0606257	0.177666	0.12336	0.638827
ADAM29	0	0	0	0	0	0	0	0.00597896	0	0	0	0	0	0	0
ADAM30	0	0	0	0.00797112	0	0	0	0	0	0.0194164	0	0	0	0.00404264	0
ADAM32	0.228971	0.196128	0.154343	0.305876	0.171249	0.180524	0.222701	0.278857	0.0413128	0.255451	0.22976	0.0485437	0.14226	0.101941	0.414084
ADAM33	3.29815	2.97008	4.1623	1.3526	11.0392	5.21069	4.96332	2.29305	0.314236	1.53471	2.62142	1.41273	0.680361	4.05729	9.98058
ADAM3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADAM3B	0.123101	0.0355873	0.0814705	0.0253719	0.114731	0.0628915	0.140553	0.196924	0	0.030901	0	0.105699	0	0.0643381	0.282863
ADAM5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADAM6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADAM7	0	0.00328347	0.0394638	0	0	0	0.00778091	0.00605642	0	0	0	0	0	0	0
ADAM8	0.490764	1.00664	1.32238	3.87257	2.09096	2.45355	0.672407	0.77261	0.333002	4.38213	3.90973	1.20396	15.3709	3.6239	3.97708
ADAM9	7.49973	4.96859	5.54564	17.0115	5.06166	14.811	5.56466	5.88223	9.04444	21.4913	21.5422	7.93217	35.7337	14.7321	14.8418
ADAMDEC1	0.531588	0.0777529	0.0628238	1.6728	0.117963	8.3981	0.0325152	0.43025	0.0231219	0.488484	0.932293	0.0407534	0.655332	0.0496127	0.490775
ADAMTS1	6.08556	1.9995	2.73743	8.0866	2.27243	37.6918	3.99399	2.48969	1.11506	4.88383	6.88669	2.69167	18.6495	8.01257	16.1715
ADAMTS10	2.169	2.15654	3.10172	1.27336	4.95083	5.26067	3.5785	1.40919	0.251888	0.732163	0.939901	0.683021	0.656944	2.46678	5.38453

ADAMTS12	0.608145	0.371233	0.38159	1.70752	1.20484	1.88041	0.567847	0.563371	0.61512	3.9393	7.78146	1.02886	2.57868	2.98173	7.99
ADAMTS13	0.171691	0.333014	0.407895	0.294887	0.813762	0.487309	0.236243	0.183884	0.150123	0.0828807	0.0745452	0.144899	0.0284036	0.156458	0.41095
ADAMTS14	0.178855	0.330673	0.251191	0.428641	2.67487	0.846467	0.351433	0.151559	0.39006	1.74364	2.11766	1.42559	0.778256	1.72608	4.56373
ADAMTS15	1.17815	0.225881	0.232701	0.487326	1.01319	3.52674	0.614403	0.826038	0.124122	0.613991	0.427987	0.376285	1.56235	1.09727	2.31841
ADAMTS16	0.02325	0.0358471	0.0692426	0	0.288922	0.0316753	0.0530922	0.0289277	0.0113264	0.0175087	0.0629913	0.0199632	0.0180009	0.0194423	0.447425
ADAMTS17	1.02284	1.01194	0.76787	0.753974	1.6284	1.18397	1.27174	0.562876	0.753627	0.53909	0.226	1.00795	0.570686	0.722919	0.799805
ADAMTS18	0.449797	0.0508819	0.100306	0.0927059	0.0303779	0.0532865	0.209891	0.0417123	0.009527	0.368179	0.644641	0.0167918	0.0731826	0.386355	0.415665
ADAMTS19	0.00442168	0.0106522	0.0146317	0.00911333	0.00686839	0.03765	0.0151456	0.0275073	0	0	0	0	0	0	0.0190503
ADAMTS19-AS1	0	0	0	0	0.0457368	0.0250713	0.0336183	0.0523349	0	0	0	0	0	0	0
ADAMTS2	3.71244	1.75039	2.1343	4.43552	7.65929	9.26656	4.48209	2.96005	1.47611	8.72402	14.6877	2.59033	8.49311	9.1029	33.0445
ADAMTS20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADAMTS3	0.290183	0.10534	0.164424	0.33591	0.0926206	0.578792	0.181546	0.162506	0.396981	0.369198	0.74042	0.096706	0.377013	0.290859	0.707885
ADAMTS4	0.47361	0.269216	0.264137	19.7098	3.25682	12.5649	0.261263	0.406718	0.375895	3.21261	6.22958	1.11945	8.84087	6.07984	8.58998
ADAMTS5	3.37218	1.28089	1.79508	2.8507	1.36907	1.89657	3.01895	2.80322	0.239183	1.48195	2.55497	0.448989	3.20176	2.39583	2.34921
ADAMTS6	0.492867	0.170262	0.128218	0.204443	0.226307	0.699449	0.208815	0.305787	0.075504	0.727534	1.08828	0.29721	0.447993	1.21344	1.97655
ADAMTS7	0.748546	0.688587	0.492334	1.22652	5.37588	2.18723	1.30605	0.576898	0.984245	1.17596	2.10441	1.24415	1.38713	1.78277	5.77797
ADAMTS7P1	0.0171723	0.0212586	0	0.0120114	0.152344	0.0179879	0.0107779	0.00849117	0.0174534	0.0246045	0.0451038	0.00850979	0.0120117	0.00620261	0.0100978
ADAMTS8	0.00576846	0.0778213	0.104986	0.00594456	0.143367	0.38803	0.0724486	0.0563918	0	0.02172	0.0260475	0.0288924	0.033496	0.00904454	0.0745581
ADAMTS9	1.35664	0.65099	0.703271	5.46269	2.23033	12.1383	1.24499	0.781174	0.71308	3.93903	5.71854	1.19743	4.12666	7.41485	13.5921
ADAMTS9-AS1	0.13764	0.10531	0.109169	0.353175	0.103854	0.310984	0.0772542	0.127092	0.00724805	0.143587	0.31563	0.0516659	0.0386622	0.830274	1.02939
ADAMTS9-AS2	1.32958	0.875838	0.988214	0.256908	0.984245	0.566061	0.842057	0.867754	0.0506026	0.130372	0.293151	0.111487	0.140739	0.396309	1.31275
ADAMTSL1	0.344425	0.288668	0.399864	0.271425	0.73283	0.640765	0.386644	0.272657	0.0352497	0.414125	0.754755	0.190529	0.338	0.721559	3.03018
ADAMTSL2	0.296778	0.207743	0.0833826	0.352002	0.782828	0.400509	0.313277	0.0646937	0.334163	0.491963	0.265491	0.596991	0.578051	0.813592	0.868505
ADAMTSL3	0.346264	1.28614	1.763	0.204369	0.195588	0.385972	1.68564	0.794504	0.0460048	0.0395088	0.0319819	0.0765808	0.237625	0.176037	0.447551
ADAMTSL4	2.95176	3.24535	3.84904	13.0522	9.7799	13.654	7.70253	2.97212	3.97735	21.401	8.24775	16.2071	24.1263	14.0296	8.5909
ADAMTSL4-AS1	2.16687	2.00196	2.91988	2.0949	1.5615	1.00813	2.52507	2.89853	1.14266	3.30843	0.428702	2.23777	0.562104	3.32745	2.11737

ADAMTSL5	0.0891052	0.156117	0.201038	0.258781	0.452982	0.186231	0.508687	0.100786	0.128251	0.711685	0.685832	0.660756	0.700335	0.685853	0.279199
ADAP1	0.423197	0.491765	0.473662	1.35111	1.14718	1.3142	0.786372	0.604713	0.35371	0.968578	1.41447	0.623429	2.63407	0.442362	0.893771
ADAP2	2.86047	3.00629	2.23491	12.9547	9.62715	12.8406	5.1855	2.89893	39.1768	21.0371	18.1001	22.0233	34.5084	14.0233	8.69643
ADAR	17.2505	16.7334	16.3863	35.7221	15.6428	47.7417	19.4448	15.9709	14.3471	12.6106	14.82	11.0956	21.0464	14.0814	19.3457
ADARB1	2.89444	2.66817	2.72692	2.5946	4.88621	5.77656	3.52701	2.32962	1.56374	1.60365	1.48135	2.2193	2.96529	3.62933	4.75642
ADARB2	0.00823987	0.00529346	0.011361	0.0141524	0.0170658	0.0397581	0.018816	0.00976388	0.0100352	0.00689459	0	0.00196528	0.00886054	0.00717753	0.015778
ADARB2-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADAT1	2.25681	2.34131	2.28474	3.06226	2.19629	3.72424	2.47031	2.04019	1.91594	2.13537	2.49943	1.77602	2.39341	2.21691	2.7948
ADAT2	1.56593	1.50004	1.63017	1.1745	0.37422	0.820535	0.85341	1.63048	0.349828	0.608617	0.456754	0.979025	0.316849	1.0541	0.64317
ADAT3	0.90808	1.83761	1.79221	2.13898	4.97727	3.42587	1.5256	1.34888	2.35407	1.38396	2.1088	1.94174	2.21801	1.82382	0.894251
ADCK1	0.96343	1.13304	1.12268	1.62271	1.7862	1.90532	1.514	0.672085	0.883167	0.689117	0.982342	0.904322	1.12289	0.909604	0.862895
ADCK2	4.77741	5.46213	4.93217	6.45674	15.5567	8.60262	5.38763	3.81945	10.0867	6.02072	6.22196	4.86837	7.90803	4.70213	3.31801
ADCK5	1.25727	1.8061	1.65646	2.30338	5.84083	3.14226	1.4488	1.00355	1.55957	1.85561	1.86612	1.69926	1.75005	1.83137	1.75544
ADCY1	0.21828	0.15517	0.257544	0.200975	0.60309	0.821147	0.298253	0.178088	0.372613	0.110035	0.127245	0.0576093	0.0669535	0.161773	0.727165
ADCY10	0.0465485	0.0244666	0.0210045	0.0305261	0.0131465	0.0252225	0.0144948	0.0526507	0.0154611	0.0531119	0.00955408	0.00908364	0	0.0265399	0.0486178
ADCY10P1	0.217805	0.287599	0.270083	0.282282	0.394845	0.0777319	0.144583	0.302334	0.0370133	0.108335	0.0344985	0.09446	0.0196084	0.2132	0.103162
ADCY2	0.649828	1.3698	1.92244	0.251125	0.290753	0.890123	1.53633	1.07656	0.0215059	0.0487587	0.043855	0.0480131	0.0182289	0.0609116	0.2891
ADCY3	7.07129	5.68086	6.68699	8.39867	10.5712	23.7803	8.37596	5.1447	3.52004	4.52068	5.44368	3.83942	7.07089	6.99297	11.0627
ADCY4	4.12468	1.98133	1.87854	2.09645	6.88059	5.95944	3.18225	2.10652	0.492491	1.85057	2.12095	1.91413	1.8745	3.10517	8.84515
ADCY5	1.15031	0.368897	0.462039	0.175337	0.936506	2.2172	1.6259	0.374733	0.0540559	0.106773	0.108561	0.0635172	0.112161	0.110188	0.674607
ADCY6	2.79901	3.83019	3.2725	2.58351	8.71923	5.74516	3.3214	2.1808	1.36263	1.95645	1.68691	1.61741	1.85485	3.20725	6.01326
ADCY7	3.64289	4.13701	5.02786	5.98909	6.30142	6.08417	5.28143	3.51003	3.76619	8.34221	5.14254	6.04059	13.5541	7.38599	6.62183
ADCY8	1.2133	0.353472	0.718951	0.0116311	0.596084	0.480517	1.26933	0.651985	0	0	0.0127411	0	0	0	0
ADCY9	2.29723	2.44169	2.58429	3.17912	3.94059	4.70781	3.53255	1.46398	2.03176	2.23669	1.53839	2.04234	4.51219	2.60164	3.64752
ADCYAP1	0.637342	0.0198117	0.0170082	0.112998	0.872914	0.0291768	0.0704222	0.621231	0.600937	0.6193	1.06761	0.529589	0.592496	0.705604	2.05698
ADCYAP1R1	0.71101	0.347663	0.4659	0.290185	0.579561	0.701326	0.550584	0.240868	0.0771622	0.185547	0.1947	0.214077	0.199847	0.0754248	0.394287

ADD1	16.934	14.5123	15.6605	21.0816	21.6038	31.0147	18.1849	12.7033	14.8378	15.9782	15.3835	12.6107	26.5218	15.0089	18.9235
ADD2	0.124613	0.0525356	0.048323	0.0963133	0.102833	0.315004	0.244543	0.0969028	0	0.0879765	0.0219802	0.00557277	0.125625	0.0488463	0.190146
ADD3	9.8863	6.95059	9.83887	4.43805	1.5978	7.19051	6.18356	7.75798	1.39792	3.46087	5.75165	1.13513	2.96209	2.44086	5.64716
ADD3-AS1	0.147946	0.202387	0.19547	0.0561548	0.127695	0.110305	0.212587	0.25893	0	0.0460589	0.0414483	0.0388113	0.0823861	0.0480441	0.136427
ADGB	0.0306299	0.0527069	0.0687778	0.0180371	0	0.00372585	0.00999205	0.101108	0.0159873	0.00549195	0	0.0313093	0	0.00686079	0
ADGRA1	0.00541105	0.00521425	0	0	0	0	0	0.00480889	0.00659005	0	0	0	0.00698236	0	0
ADGRA1-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADGRA2	7.17995	5.22792	6.44108	5.56409	13.1428	11.4892	8.47372	3.74267	1.7797	5.96439	8.39536	2.48365	8.0103	7.7333	16.3042
ADGRA3	3.15195	1.65295	1.58463	2.66852	1.5192	4.73341	1.92669	1.79691	1.17877	2.49319	2.8431	1.73318	3.05698	2.73587	5.45813
ADGRB1	0.230258	0.851227	1.04248	0.263174	1.80786	0.520455	1.09941	0.301371	0.724016	0.220689	0.283563	0.853735	0.0864358	0.560142	0.300618
ADGRB2	0.0935417	0.124966	0.172356	0.0920157	0.601024	0.25343	0.174768	0.0982469	0.03107	0.314857	0.580782	0.0760586	0.0850423	0.235556	0.915938
ADGRB3	0.123167	0.0692343	0.112082	0.160774	0.24234	0.447466	0.131253	0.160542	0.0200004	0.0669877	0.111232	0.0293764	0.04768	0.195263	0.707533
ADGRD1	1.40082	0.96565	1.43112	0.521777	0.635746	3.22266	3.70464	0.779956	0.0308321	0.0635484	0.157182	0.0724571	0.588014	0.282266	1.67242
ADGRD1-AS1	0.0586643	0.0565307	0.194125	0	0	0.0749278	0.7033	0.13034	0	0	0	0.0209879	0.0189249	0	0.0421246
ADGRE1	0.00713411	0.00687465	0.0118037	0.514634	0.0664904	0.358402	0.0081455	0.0063402	0.00868854	0.152219	0.314087	0.0153139	0.363628	0.0820291	0.235646
ADGRE2	0.538369	0.612542	0.560688	3.16044	0.662431	2.66302	0.513639	0.579769	0.149539	1.91193	2.98777	0.617145	2.99748	1.85499	2.73011
ADGRE3	0.0095514	0	0	0.09843	0.0148366	0.081329	0	0	0	0.662349	0.700853	0.0136686	0.3951	0.299519	0.50753
ADGRE4P	0.551724	0.593178	0.904446	0.345132	0.201426	0.175194	0.373654	0.784054	0.0310894	0.131018	0.37458	0.185414	0.0438294	0.166867	0.356073
ADGRE5	3.09122	2.49092	3.38311	3.96061	3.38065	6.65405	6.69593	2.80074	0.550175	4.84743	7.12734	1.36256	8.58524	4.36594	6.57491
ADGRF1	0.0114193	0.00733597	0.00314894	0.415799	0.0177381	0.0680635	0	0.0236798	0	0.879051	0.0386728	0.0381304	0.451883	0.0417775	0.0273325
ADGRF2	0.397306	0.883179	0.829168	0.0651374	0.890664	0.111485	0.845403	0.726246	0.923759	0.793322	0.244641	0.684863	0.568025	0.122702	0.110226
ADGRF3	0.146973	0.197456	0.195082	0.133871	0.315704	0.124288	0.152791	0.158754	0.0445127	0.102054	0.0550175	0.145843	0.0183618	0.146413	0.116333
ADGRF4	4.03728	6.41952	5.96709	6.73353	7.51872	2.9217	6.4018	4.399	13.7461	7.48626	6.39543	8.62972	8.67161	5.36855	1.99208
ADGRF5	4.50409	1.96275	1.81536	4.67724	1.83268	3.60938	2.70296	2.07656	1.17947	4.90546	7.86123	1.88639	7.53524	4.95322	12.2637
ADGRG1	11.1473	13.4486	12.9723	13.5977	26.1847	21.3158	17.3196	10.2387	36.1781	17.9447	16.4574	22.9582	25.0626	12.0208	6.81549
ADGRG2	0.357661	0.195303	0.197255	0.0933736	0.0666685	0.121817	0.337582	0.228859	0.00580788	0.0359121	0.0646008	0.0375343	0.0707667	0.117142	0.294491

ADGRG3	0.208027	0.0334103	0.0932181	1.27734	0.175033	0.509256	0.415658	0.069329	0.0422257	1.94734	2.46578	0.0930307	1.6945	1.41794	0.883813
ADGRG4	0.00233038	0.012351	0.00578358	0	0	0.00595288	0.00266076	0.00207105	0.00283815	0	0.00263071	0.00500236	0	0.00365388	0
ADGRG5	0.0849955	0.122856	0.160718	0.056308	0.169749	0.0568641	0.0901133	0.0863279	0.0369696	0.00761986	0.0479746	0.0434404	0.0509216	0.0380763	0.113345
ADGRG6	1.70223	3.25822	3.95787	3.57349	0.717847	2.03258	2.14854	2.77739	1.41718	3.30903	1.69267	2.42887	3.5565	1.94789	0.744845
ADGRG7	0	0.00339856	0.00583528	0	0	0	0.00805364	0.0062687	0	0	0.0159254	4.68367	0	0.0073731	0
ADGRL1	3.38397	4.02826	4.06872	3.11756	6.59529	5.25164	5.686	2.98604	4.64709	2.14265	1.88839	4.66157	3.26537	2.49018	3.3278
ADGRL2	3.79159	3.2831	2.461	6.28497	2.9402	5.01027	2.6002	3.46236	17.5343	11.5564	10.8825	10.1779	10.4814	8.63717	6.39981
ADGRL3	1.12274	0.636461	0.527764	0.559004	0.419902	1.3304	1.50207	0.469266	1.67024	0.398089	0.775104	0.336553	0.118598	0.234527	0.509856
ADGRL3-AS1	0	0	0	0	0	0	0	0	0.0603547	0	0	0	0	0	1.26E-44
ADGRL4	4.17585	1.16159	1.33315	3.15007	0.486739	5.67385	1.5041	2.46084	0.97353	5.59428	10.3376	0.860232	5.11617	3.11497	7.04401
ADGRV1	0.161605	0.0876689	0.145575	0.0111026	0.0762383	0.059119	0.0915743	0.134046	0.0131211	0.163767	0.0189189	0.0188439	0.0332109	0.0100103	0.00171915
ADH1A	0.437728	0.115339	0.18338	0.0794986	0.0302932	0.295797	0.506127	0.256857	0	0.0193646	0.0362634	0.0331189	0.019909	0.0322549	0.0221576
ADH1B	27.1458	4.186	7.01193	0.193983	0.0638755	16.2335	13.2699	15.5766	0.0200324	9.84E-12	0.102126	1.98E-20	0	0	0.0118111
ADH1C	0.275399	0.0260882	0.0112281	0.0286522	0	0.0936783	0.0617269	0.0835527	0	0.0165227	0	0.0282585	0	0	0
ADH4	0.40866	0.186535	0.115656	0.17732	0.083525	0.814979	0.061394	0.229379	0.0130974	0.0269953	0.0364205	0.0307797	0	0.0393443	0.0463332
ADH5	14.9107	6.8351	7.48201	20.233	6.35992	31.5326	9.51901	8.06102	6.21976	14.3646	23.583	6.03412	16.1315	11.0097	9.97968
ADH6	0.207872	0.21144	0.159228	0.0793399	0.0239183	0.203222	0.105485	0.239477	0.0468823	0.00966298	0.0347646	0.0495793	0	0.0442619	0.0110567
ADH7	1.61239	0.679182	0.103835	0.328342	1.18481	0.394613	0.308666	0.15445	4.11555	0.339305	0.490469	1.16061	0.0809817	0.24726	0.0831949
ADHFE1	1.25791	0.788491	0.838566	0.352395	0.853674	0.499149	0.822699	0.770607	0.148737	0.383205	0.179226	0.64665	0.133953	0.42127	0.789254
ADI1	4.26953	2.98212	2.79552	5.394	3.49992	6.19445	3.99922	3.97894	3.511	4.91459	8.28603	3.68785	6.29164	5.08081	3.78012
ADIG	0	0.0144439	0	0	0	0.0255259	0.034228	0	0	0.0376255	0	0	0	0	0.215261
ADIPOQ	3.81954	0.0577266	0.115808	0.00515221	0.0698885	2.02357	1.16549	0.622049	4.98E-08	0	0.0056439	0	0	0	0
ADIPOQ-AS1	0.0649994	0.00011199 5	7.34E-24	0	7.96E-06	0.0146687	0.0283283	1.04E-10	0.00789286	0	0	0	0	0	0
ADIPOR1	22.6943	25.026	25.633	49.088	28.9313	37.8588	26.0208	16.8074	134.127	45.734	61.9109	40.3226	54.6349	28.1312	14.6499
ADIPOR2	10.0043	9.21864	10.0387	18.8511	6.10184	16.9278	10.7295	8.25298	38.0808	17.7285	16.0509	12.3496	20.8518	10.3262	7.20889

ADIRF	60.6928	22.1354	29.8402	23.775	25.1788	75.8771	54.7416	17.3912	16.0222	125.38	100.886	32.6121	131.605	30.3221	42.5774
ADK	6.06329	6.97196	6.35832	9.89576	3.96487	8.54008	5.47114	5.97885	8.93297	9.22978	13.5503	6.85057	8.97495	6.64035	3.92459
ADM	6.56448	3.89923	4.80445	25.7846	11.3048	40.1061	6.41488	4.5404	19.5881	38.9119	65.5277	35.2852	66.7986	43.7342	14.2561
ADM2	0.0573984	0.124449	0.123458	0.40814	0.401218	0.425204	0.176946	0.0969208	0.28661	1.11663	0.369335	0.332668	2.5701	0.425985	0.222565
ADM5	1.2492	0.881706	0.951839	0.553328	1.48086	2.51923	1.11351	0.934892	0.987565	0.467611	0.828796	0.399874	0.523178	0.549799	0.566529
ADNP	10.8471	8.74352	8.58997	9.86902	5.24305	11.169	8.53496	8.8222	6.36057	8.75285	8.9153	6.56241	11.3875	8.26238	8.68399
ADNP-AS1	0.852993	0.562401	0.779935	0.161927	0.313814	0.420497	0.794514	0.917663	0.136691	0.309909	0.354761	0.562155	0.318622	0.656985	0.838162
ADNP2	5.36582	4.66768	5.25641	5.10462	3.56355	5.50905	5.58205	4.63125	5.34727	4.30285	4.77216	3.91931	7.76663	4.35593	4.14606
ADO	2.37397	2.21876	2.47288	3.40708	3.03116	3.94755	1.95129	2.47982	2.37655	2.82357	5.33878	1.99656	4.10985	2.72183	2.31155
ADORA1	0.515347	0.343803	0.544392	0.130727	1.23156	1.23542	0.751351	0.34526	0.00965592	0.179118	0.322207	0.005673	0.204615	0.215474	0.409904
ADORA2A	0.048731	5.39E-10	0.0712602	0.139456	0.715024	0.164626	0.0902419	1.17E-09	0.0333923	0.00471561	0.00163972	2.62E-10	0.182413	0.063527	0.177585
ADORA2A-AS1	0.103574	0.144417	0.227263	0.0483884	0.149265	0.0651911	0.221945	0.0880884	0	0.132097	0.0872161	0.0254552	0.0299511	0.108963	0.123955
ADORA2B	1.9644	2.89267	2.9861	4.85848	1.23963	4.63117	1.82234	2.45502	1.39059	1.64882	3.54809	1.14203	2.52692	3.28537	1.11082
ADORA3	0.420963	0.0198958	0.0497503	0.526777	0.170601	1.12235	0.137234	0.311404	0.085448	0.401474	0.644925	0.0215151	0.181069	0.0819964	0.187125
ADPGK	5.6545	5.10611	5.24792	7.37487	5.4271	8.19908	4.97317	4.33866	3.10567	5.91533	11.0235	4.30861	6.08429	6.33873	6.61626
ADPGK-AS1	0.669603	0.491267	0.549507	0.29617	0.409131	0.18341	0.742638	0.788205	0.0333772	0.26472	0.230837	0.278856	0.12724	0.455268	0.676771
ADPRH	0.710257	0.548146	0.571975	1.52866	0.917767	2.43514	0.753536	0.44688	0.474609	1.065	2.08608	0.409265	1.57753	1.22861	2.02198
ADPRHL1	0.743808	0.522208	0.369198	0.438009	0.330112	0.669534	0.715802	0.472168	0.129411	0.226721	0.239905	0.167267	0.157682	0.127731	0.19838
ADPRHL2	3.85946	3.87075	4.29105	9.5483	9.65164	11.9098	5.43793	3.11373	12.2177	7.31755	11.2629	5.78749	12.1856	7.6107	3.12512
ADPRM	2.24522	1.93593	1.88728	2.30648	0.568366	1.97522	1.22714	1.78243	0.710308	1.36138	1.82335	0.879611	1.34049	0.865472	1.60177
ADRA1A	0.0742104	0.034242	0.0282106	0.00292849	0.0971121	0.0362954	0.0648919	0.0176785	0.00692182	0.0142667	0.0160398	0	0.031169	0.0608937	0.0530541
ADRA1B	0.0924079	0.0247353	0.0254821	0.010581	0.127592	0.201082	0.164124	0.0182499	0.0125047	0	0	0.0073467	0.0198737	0.0536627	0.265419
ADRA1D	0.295148	0.0878335	0.093358	0.0447292	0.337108	0.340014	0.40637	0.123437	0.0528613	0.16343	0.382183	0.0745363	0.145621	0.503604	0.598404
ADRA2A	3.94382	1.50576	1.69557	1.85353	5.84765	19.1412	3.89571	1.35949	0.531255	0.419991	0.708286	0.504523	0.586013	0.437227	4.61687
ADRA2B	0.578232	0.179101	0.290429	0.0567509	0.128313	0.691644	0.471576	0.201883	0	0.0259193	0.0621669	0.0492548	0.039972	0.0179887	0.217489
ADRA2C	1.47747	0.375865	0.342234	0.487223	0.624245	4.38806	1.80838	0.766821	0.0863707	0.14835	0.213488	0.0592014	0.152521	0.142083	0.339493

ADRB1	0.24259	0.112987	0.113723	0.00833319	0.113048	0.151479	0.193887	0.0718645	0.0295447	0	0	0.00578598	0.00521725	0.00422626	0.023226
ADRB2	6.91345	7.25722	10.1728	3.04836	2.8872	2.76965	10.9992	6.34554	8.83389	13.9118	7.67648	14.5889	27.6625	8.09136	3.74357
ADRB3	0.0174929	0	0	0.0540807	0	0.0297899	0.00998639	0.0077731	0	0.0219553	0	0	0.0507884	0.0502839	0.0753659
ADRM1	15.4651	13.8778	15.0706	26.8628	25.5046	37.429	15.533	10.6035	28.9477	27.3198	36.6465	17.8909	37.5922	22.2455	11.9247
ADSL	4.68793	3.58867	3.50074	9.46222	3.63212	7.83771	4.57113	3.31475	3.33393	6.45645	12.5671	3.63182	8.25701	6.6409	5.11077
ADSS	8.6932	6.91807	7.72842	11.4533	4.85869	10.2922	4.7681	7.39311	4.92387	7.93517	9.78537	5.18451	11.4269	8.00864	7.27568
ADSSL1	1.5681	1.92271	1.21673	0.791271	2.97337	3.10324	1.49407	1.4801	4.21468	1.84597	3.32064	2.0119	0.816363	0.830863	0.978453
ADTRP	0.597883	1.41033	1.92693	1.2066	0.541753	2.01515	0.682643	1.62726	1.82038	1.96981	1.42018	1.25666	0.369678	0.5859	0.751306
AEBP1	28.6428	16.333	21.2916	47.8451	87.295	151.745	45.5662	22.3596	4.97353	28.6346	46.3432	9.73872	48.9613	37.8527	176.146
AEBP2	3.9973	4.85621	4.78719	3.7292	2.5877	3.5903	2.33434	4.48049	4.17906	3.20632	3.00082	3.65293	3.30418	3.11393	2.34091
AEN	2.23558	1.81789	1.874	5.19701	3.98025	6.16603	1.72994	1.59076	4.96595	4.01772	5.4079	3.59249	10.0583	5.70231	4.38387
AES	39.5081	35.3884	42.2611	51.1845	46.5514	91.425	38.6224	26.7393	31.7391	37.434	64.9334	25.3292	47.9159	28.7408	30.1227
AFAP1	3.27741	1.46452	1.68327	2.40731	2.82031	5.36796	2.88911	2.10017	0.851829	2.44727	3.29389	1.10394	3.15323	2.8112	6.74446
AFAP1-AS1	0.315095	0.168104	0.190998	0.0972999	0.1966	0.183336	0.246786	0.210697	0.017317	0.129642	0.0860268	0.104628	0.0113094	0.281182	0.416266
AFAP1L1	2.62194	0.967206	1.09685	2.31818	1.45208	4.43338	1.93055	1.08895	1.27003	3.59932	1.82888	1.62824	5.5388	4.0604	4.61051
AFAP1L2	3.33833	3.9126	3.26999	9.40273	10.236	7.98701	2.05195	3.1261	3.62299	5.1089	3.63562	5.44048	9.02522	5.00949	3.581
AFDN	8.75141	8.66038	10.2343	11.3855	8.51619	9.28973	10.5455	8.27464	16.4534	11.2841	6.48126	12.031	18.5988	9.863	6.34225
AFDN-DT	0.160229	0.222491	0.36452	0.216721	0.420003	0.366663	0.22868	0.177998	0.47699	0.35255	0.271318	0.301321	0.264908	0.266929	0.0862908
AFF1	12.2641	13.1987	13.925	10.3451	5.676	11.3466	11.9291	11.6693	6.15196	8.72414	7.47071	7.36832	9.40861	7.33778	8.87487
AFF1-AS1	0.773418	0.796886	0.797322	0.343336	0.499037	0.678819	0.638523	0.719074	0.43474	0.462958	0.470127	0.332041	0.115155	0.335815	0.461379
AFF2	0.236647	0.303518	0.312958	0.116783	0.0517738	0.153255	0.165542	0.208831	0.0710374	0.202891	0.370616	0.0655844	0.120426	0.102778	0.275234
AFF3	0.808822	0.361189	0.470945	0.136499	0.214504	0.256763	1.52842	0.408246	0.0514837	0.0636683	0.0922605	0.0645279	0.0963693	0.0633353	0.352114
AFF4	11.5087	10.2242	11.1016	12.0343	4.96083	11.3711	9.39734	11.207	14.3929	14.6902	13.4582	11.5553	17.5612	11.9377	11.8201
AFG1L	0.521885	0.453949	0.32476	0.466426	0.487835	0.503366	0.311118	0.41045	0.286862	0.301425	0.667347	0.380032	0.217525	0.603451	0.338267
AFG3L1P	1.96008	1.97465	1.83185	1.61706	1.98909	2.25524	1.49156	1.20676	1.22229	1.005	0.735351	1.86991	1.23403	1.83188	1.66054
AFG3L2	12.2564	9.22244	10.1731	12.9158	11.1555	16.4359	9.39455	8.67749	11.5028	8.62127	8.91216	7.32632	13.5386	8.12691	6.36996

AFM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AFMID	1.92859	2.39533	2.1716	3.54431	4.46036	3.44856	1.82277	1.79015	1.34404	1.51958	3.60437	1.67895	1.32036	1.54554	1.43101
AFP	0	0	0	0	0	0	0	0	0	0.0141969	0.0127691	0	0	0.0118236	0
AFTPH	6.30359	7.75907	8.71599	6.81999	2.85989	5.63984	4.50546	7.48282	10.439	6.55191	6.58367	5.22133	7.71756	5.1927	3.79682
AGA	3.56725	3.50644	3.25165	4.30019	3.36916	5.08117	3.13016	2.89629	7.14696	4.38052	8.02909	4.5456	6.1375	2.94622	2.18203
AGAP1	2.9298	2.46515	2.90207	2.05408	3.04873	3.73765	4.0216	2.22376	1.44313	1.75809	2.15588	1.38542	2.10044	1.76853	2.78945
AGAP1-IT1	1.04562	0.940418	1.09568	0.610607	2.65287	0.38581	1.51222	1.05316	0.0424482	0.306217	0.236075	0.72323	0.112438	1.12941	1.20131
AGAP11	3.08081	1.84646	2.16551	0.497462	0.864014	1.3118	2.40744	1.11481	0.353062	2.2733	0.563606	0.825907	1.50501	0.983433	3.1032
AGAP12P	1.73131	2.10998	2.15778	0.53177	2.10501	0.93967	1.96284	1.85775	0.638337	1.34729	1.05618	0.663863	0.295056	0.502989	0.0440343
AGAP2	0.450173	0.613791	0.534458	1.06999	3.66471	1.07128	0.473253	0.588482	1.62764	0.52445	0.594033	0.817571	0.365103	0.485028	0.894454
AGAP2-AS1	2.24594	2.21327	2.32661	6.80544	5.92606	8.7144	3.4685	1.38116	2.69586	3.53039	9.99248	2.88167	5.60932	3.57791	4.1716
AGAP3	3.7844	5.599	5.6301	8.27015	13.8223	7.40281	5.071	3.11503	7.12426	5.37191	4.25434	6.01805	8.88845	5.8206	3.73436
AGAP4	2.29421	2.50362	2.377	1.50712	3.00324	1.87125	1.9636	1.75757	0.76046	1.37788	0.745671	2.06177	0.232439	1.68201	1.57132
AGAP5	2.26837	2.64677	2.48705	1.51882	2.05618	1.7025	1.83439	2.20412	0.87076	1.64873	1.14616	1.61685	0.903801	1.95322	1.63396
AGAP6	3.84349	3.89183	4.26107	2.19154	4.05202	2.34334	3.15636	2.41336	0.829544	1.43333	0.97286	3.06776	0.908091	3.63386	3.50967
AGAP7P	0.296295	0.365359	0.363273	0.284464	0.768852	0.175879	0.558966	0.369553	0.0947956	0.490846	0.439828	0.101196	0.169115	0.42735	0.110009
AGAP9	3.40603	2.52685	1.80359	1.56728	3.0462	0.912301	1.7957	2.94117	0.479519	0.721362	0.412844	1.98214	0.15996	2.22658	1.76672
AGBL1	0	0.0420101	0.0463698	0	0	0.010606	0.0568869	0.0332093	0	0	0	0	0	0	0
AGBL1-AS1	0	0.0740089	0.0635362	0	0.0397668	0.479571	0.0292301	0.0455036	0	0	0.0289	0.018318	0	0	0
AGBL2	0.045088	0.127241	0.101243	0.106205	0.0800426	0.0767838	0.0514801	0.0744167	0.0235338	0.0646744	0.0872551	0.0460881	0.0540254	0.0605957	0.0555018
AGBL3	0.24237	0.211462	0.195086	0.0742557	0.0508762	0.273307	0.149584	0.203755	0.0558447	0.15621	0.118316	0.0234354	0.00422637	0.0582012	0
AGBL4	0.0588133	0.0389636	0.0121636	0	0	0.100158	0.0587573	0.0457349	0	0	0	0	0	0	0.0105579
AGBL4-IT1	0	0	0	0	0	0	0.0514085	0	0	0	0	0	0	0	0
AGBL5	3.04714	3.18133	3.57948	2.53308	2.98847	5.63682	3.60094	2.74068	2.72998	2.10894	3.38016	2.06777	1.77925	2.16706	1.59789
AGBL5-AS1	0.113725	0.0821917	0	0	0.0883272	0.145253	0.194771	0.151604	0	0	0.128381	0.0813733	0	0.0594377	0
AGER	0.155201	0.237378	0.223942	0.165519	0.398065	0.30733	0.158659	0.168403	0.0659365	0.0883367	0.0590801	0.107177	0.0384239	0.178264	0.282499

AGFG1	4.01251	3.3039	3.73359	6.87815	1.12727	4.14731	2.9696	4.58527	4.73523	5.13591	6.18319	3.3885	7.04014	4.36029	4.23348
AGFG2	2.11179	3.57165	4.24617	1.54668	4.87193	3.90761	5.70661	2.27864	3.5503	0.851302	1.31416	0.912131	0.955932	0.844754	1.16752
AGGF1	3.4807	3.38626	3.27021	4.11601	2.20097	5.02267	2.12775	3.11617	3.49507	3.92404	5.19267	2.49788	4.74319	3.15268	3.49468
AGK	3.38814	3.21734	2.7059	3.00822	1.96522	3.53131	2.12801	2.74235	1.49572	2.19982	3.69242	1.86349	2.4528	2.06431	2.80958
AGL	3.18349	2.53015	2.19388	3.32884	1.20678	3.25286	2.32427	2.55409	1.4228	2.467	2.37056	1.87873	2.8247	2.48354	2.01331
AGMAT	0.183442	0.141416	0.133545	0.317591	0.170969	0.18119	0.0586455	0.0912957	0.107238	0.0920955	0.331333	0.126007	0.478158	0.203255	0.200219
AGMO	0.215067	0.0856011	0.100563	0	0	0.111468	0.224204	0.182823	0	0.093889	0.116114	0.0066907	0.0241322	0.0342097	0.147717
AGO1	5.54786	6.82715	7.15818	4.59202	6.14464	9.60094	8.31933	5.20424	4.95886	3.69783	3.78731	3.53318	4.4866	3.91179	4.07351
AGO2	6.40086	6.74283	7.9589	6.53856	5.02844	7.61179	7.72321	6.61711	5.37369	5.48801	3.62371	5.77576	10.4809	6.98663	6.89766
AGO3	4.19687	4.54287	4.8061	3.29116	3.86614	2.88697	4.21913	3.47024	2.2966	3.06806	3.23973	2.43963	2.85527	4.03853	4.73241
AGO4	5.05522	6.22773	6.65297	3.66073	2.76648	3.73751	4.44702	5.00971	4.62942	3.03858	2.86433	2.5718	3.01555	2.99346	3.36543
AGPAT1	0.702278	0.656549	0.687235	1.56685	1.59837	2.49415	0.988347	0.5534	0.498214	0.944513	2.08521	0.596401	1.45751	1.10404	1.72638
AGPAT2	9.34396	7.21762	7.00025	14.4978	13.748	25.0656	10.754	5.03561	9.66837	18.4826	23.8471	10.3979	25.9379	12.166	9.29675
AGPAT3	4.67834	5.79216	5.2289	8.74358	10.2042	11.5153	6.05725	4.00832	10.1246	6.82552	6.54621	7.33891	10.4721	5.06589	4.6216
AGPAT4	1.21311	0.939719	1.16152	1.35306	1.32773	1.13049	1.24423	1.09638	0.339845	2.11612	1.35618	1.65616	1.46494	3.24688	4.81735
AGPAT4-IT1	0.525126	0.319279	0.341331	0.335002	0.407851	0.361969	0.628123	0.433353	0.0761362	0.612009	0.155258	1.5477	0.0806687	2.40474	3.26797
AGPAT5	1.24542	0.955657	0.971328	2.528	0.612289	2.18162	0.804354	1.25217	1.22058	1.77892	2.84499	0.960143	2.92467	2.3275	1.61996
AGPS	2.8291	2.16613	2.3754	4.9535	1.12561	3.28305	1.92362	2.49012	1.97465	4.4603	5.3376	2.85389	6.05258	4.95658	3.82446
AGR2	0.117716	0.283588	0.40901	0.169834	0.0365709	0.120281	0.5645	0.481236	0.0860192	0.236394	0.265774	0.269534	0.03038	0.418362	0.135245
AGR3	0	0.0297351	0.0765823	0	0	0	0	0	0	0.0387292	0	0.132476	0.0597271	0	0
AGRN	4.98553	6.72175	6.53144	19.402	26.4035	25.4211	8.62651	4.55004	3.6062	7.81639	5.35736	8.22755	20.3879	12.013	12.7534
AGRP	0.0908759	0.131356	0.125298	0.0624335	0.141162	0.0515864	0.103759	0.107684	0	0	0.0683917	0.0433494	0	0	0.0435031
AGT	0.448335	0.0518435	0.126104	0.286454	1.53212	8.32218	1.31045	0.175315	0	0.596469	1.61957	0.0449114	0.0289263	0.323361	3.97909
AGTPBP1	3.58439	2.32643	3.01587	2.76906	0.641525	3.42542	1.73482	2.42425	1.95605	2.95013	3.3096	1.40093	3.07911	2.11052	2.453
AGTR1	0.45908	0.359979	0.70744	0.120593	0.153808	0.651502	1.09971	0.679988	0.0219258	0.282448	0.518244	0	0.0232311	0.0141138	0.271475
AGTR2	0	0.0115392	0	0	0	0	0.0182297	0	0	0	0	0	0	0	0

AGTRAP	5.35183	3.50201	2.84192	26.0111	10.5881	22.4311	4.17003	2.92446	9.35853	14.0015	22.0232	9.59927	17.2065	8.78813	5.24511
AGXT	0	0.0279116	0.011981	0.0746232	0	0	0.0165357	0.0643542	0.0352761	0	0	0.0518131	0.0186881	0	0
AGXT2	0.00961889	0.0139036	0	0	0	0	0.0109825	0.0341939	0	0	0	0	0	0	0
AHCTF1	6.82379	5.33719	5.99789	4.72941	1.99521	5.90012	3.49901	4.57696	4.25125	4.36413	4.11634	3.4873	6.16387	5.09966	4.72073
AHCTF1P1	0.0203574	0.0376741	0.0278825	0.0107408	0.00474688	0.0290236	3.43E-32	0.00889851	0.0452514	0.0215543	0.0428503	0.00242893	0.0529898	0.0392339	0.0143941
AHCY	7.29904	5.10354	4.65874	18.8291	9.2915	15.6737	6.03685	4.46687	8.84584	11.7527	15.0657	9.35828	17.4819	12.9854	4.78944
AHCYL1	7.02491	7.02737	7.65348	10.811	6.75126	11.1859	6.91455	6.91379	11.659	9.48357	10.2652	6.76318	13.7265	7.62051	8.18196
AHCYL2	7.97464	6.33198	5.45072	6.22043	4.74718	6.00603	5.61134	3.96542	6.25366	5.46453	3.56302	4.55398	3.48872	3.33897	1.91549
AHDC1	7.69494	9.49158	10.8526	5.19154	11.9246	13.8357	12.0732	7.84468	5.16899	5.61933	3.7968	7.46452	9.19674	6.11817	4.73087
AHI1	3.8095	2.84234	3.36285	2.14564	0.610111	3.04894	1.48904	2.14522	1.21678	1.46455	1.4421	1.13507	1.07762	2.44541	3.3187
AHNAK	199.12	270.749	302.572	239.25	252.747	247.946	302.568	195.965	177.131	209.481	91.2228	206.768	342.341	147.116	172.51
AHNAK2	35.1323	69.7067	83.6507	47.9477	72.6318	44.6861	78.5925	47.138	51.414	50.0231	16.5428	57.2223	82.1773	27.6897	27.8351
AHR	13.3146	11.5701	13.5708	19.589	9.25344	14.7156	11.023	12.149	6.7678	19.2778	39.2533	6.44672	22.0977	18.7852	34.6782
AHRR	0.887288	0.990949	1.0114	0.661552	2.12774	0.98878	1.56863	0.795816	0.23903	0.543989	0.604675	0.766534	0.849476	1.72032	2.28426
AHSA1	8.29834	9.01831	8.79732	20.4292	11.9114	17.7692	9.24665	6.17302	15.4216	14.5814	19.6721	12.1611	24.2819	14.0312	7.23874
AHSA2P	5.61681	9.60687	9.5176	3.51942	9.74023	4.04794	5.11451	4.28919	1.1325	1.89852	1.64184	2.57655	0.620739	4.29456	6.15361
AHSG	0.0135024	0.0650564	0.0223402	0.0139146	0.0629215	0.0114971	0.0154166	0.0119998	0.0328887	0.0508406	0.0914549	0.0096613	0	0.00705692	0
AHSP	0	0	0	0	0	0	0	0	0	0	0.0908717	0	0	0	0
AICDA	0.0328853	0.00396116	0.0136025	0	0	0	0.0375474	0	0	0	0.0185617	0.00588258	0	0.00429683	0
AIDA	10.4398	8.43163	8.85307	11.5836	3.9226	12.8751	6.29394	8.47747	10.0609	12.3589	17.1477	6.04867	12.8455	9.33524	11.1451
AIF1	0.884139	0.337048	0.462162	1.98747	0.822514	2.91207	0.576846	0.790066	0.100578	1.88402	5.86786	0.111231	1.097	0.332603	1.44415
AIF1L	3.90623	2.5725	4.07053	4.70654	3.80124	6.19542	4.20604	2.74467	2.67751	10.2817	5.05967	5.63214	10.2164	6.3162	4.64202
AIFM1	2.11297	1.97443	1.82451	4.01769	2.65226	5.28845	1.79517	1.48582	1.52495	2.16088	2.30497	1.87331	3.84198	2.42059	2.01278
AIFM2	1.31737	0.868037	0.895423	1.24752	1.51539	3.31061	1.11387	0.829033	0.31221	0.813313	1.06914	0.44838	0.969417	0.893211	1.12492
AIFM3	0.0915469	0.0617521	0.0908808	0.056605	0.255967	0.140312	0.0522626	0.0732233	0.0557469	0.0229801	0.0930105	0.0393025	0.0649721	0.0622003	0.0788837
AIG1	1.80006	1.48811	1.29822	2.66757	1.5056	2.25651	1.68197	1.35363	2.92303	2.15305	3.54738	2.41911	1.78179	1.47953	1.9554

AIM2	0.332994	0.0802207	0.187824	0.733114	0.0235115	0.734626	0.0345638	0.174872	0.0737361	0.740896	1.98206	0.184114	0.185549	0.371806	0.782543
AIMP1	4.35489	3.32439	3.40306	4.80663	1.94772	4.79365	1.62653	2.82998	3.65797	5.20653	7.17972	2.43846	5.4132	4.31482	2.84477
AIMP2	2.59026	2.09744	1.83631	5.93089	2.54784	6.50421	3.20146	1.99355	3.28225	3.51125	6.70549	3.20192	5.54231	2.96258	2.45083
AIP	4.40896	3.16701	3.447	7.28972	10.2855	8.69098	4.0936	2.48304	3.08803	5.10803	10.0456	2.46139	5.19954	4.3723	5.31132
AIPL1	0	0.00310258	0.0106542	0.0132719	0	0.00548303	0	0.00572276	0	0.0161641	0	0	0	0	0
AIRE	0.0301997	0.0485023	0.0832778	0.0103739	0.156369	0.0514293	0.0689621	0.00894633	0.01226	0	0	0.0072029	0	0.0789185	0.274681
AIRN	0.248679	0.290621	0.293268	0.223556	0.443817	0.220758	0.235605	0.23041	0.0451073	0.225788	0.0657023	0.393732	0.0307238	0.342901	0.121578
AJAP1	0.272107	0.168084	0.109667	0.244464	0.444352	0.291105	0.398312	0.148816	0.322898	5.68328	3.20565	3.0503	9.4218	3.69393	1.9539
AJM1	0.388405	0.480206	0.539568	0.422919	1.58231	0.524162	0.610814	0.312617	0.133877	0.17476	0.049637	0.524366	0.18913	0.252789	0.273637
AJUBA	5.24485	9.52248	8.27255	8.34139	18.3621	7.22572	6.64927	4.41977	14.0709	8.23683	6.88074	6.34922	13.5614	9.83366	2.84535
AK1	2.62636	1.84302	1.9456	4.13052	6.51039	7.40237	2.73748	1.15485	4.40226	6.00696	6.94201	4.1055	7.3331	3.86443	4.57344
AK2	8.82254	7.70942	7.36493	14.5099	9.50587	14.164	7.29393	7.42013	6.03664	7.80656	13.0017	5.83068	10.4686	8.96851	5.51732
AK3	6.77241	6.84104	7.09996	7.52762	2.90978	8.69705	5.68309	5.97354	9.79768	7.36732	9.94776	6.08742	7.78317	5.7807	4.19184
AK4	5.1855	6.85416	8.85615	8.41612	2.28643	8.16341	5.52843	7.86609	4.76522	5.32813	5.17614	4.44799	6.71684	4.13703	1.57402
AK5	0.309642	0.239219	0.211992	0.148544	0.190734	0.386392	0.29868	0.469711	0.110532	0.448937	1.43435	0.129878	0.0172224	0.13393	0.360348
AK6	1.95542	1.68502	1.60642	3.70601	0.506031	2.29337	0.420156	1.20421	2.39904	3.36639	5.43106	1.52343	3.10682	2.62809	1.46188
AK7	0.416196	0.683625	0.959886	0.311929	0.333044	0.445667	0.5688	0.409111	0.529921	0.0870616	0.149493	0.103779	0.138333	0.0889865	0.0633936
AK8	0.526993	0.692882	0.39902	0.285348	0.665982	0.5476	0.673093	0.388967	1.0008	0.358742	0.554577	0.300384	0.207466	0.121376	0.218069
AK9	0.448689	0.457416	0.407401	0.228374	0.174242	0.372734	0.371729	0.330677	0.369855	0.164825	0.216195	0.227083	0.22418	0.204476	0.125732
AKAIN1	0	0.00331372	0	0	0	0	0	0	0	0	0.00776393	0	0	0	0
AKAP1	6.86745	4.81262	5.00801	4.56125	6.15852	7.25892	5.20666	4.30843	2.46564	1.72512	1.36118	2.72321	3.43844	2.43778	2.4514
AKAP10	3.68365	3.4188	3.29549	3.92438	2.00401	4.105	2.65532	3.32403	2.59805	3.66461	4.58	2.32805	3.53031	3.33294	3.93311
AKAP11	5.51747	5.35727	5.81508	4.53671	1.55103	5.16488	3.85705	5.38656	5.00636	5.42873	5.82823	3.50053	5.57082	4.8809	5.37745
AKAP12	3.43635	1.14184	1.43989	1.40563	1.63609	4.86998	2.48637	1.41345	0.266175	1.48391	1.60221	0.231746	1.99624	2.21984	3.06307
AKAP13	12.1318	10.9446	11.9981	9.41652	12.7588	13.9897	11.5898	10.2009	8.4686	10.9324	8.17583	9.26784	11.4703	10.2669	16.5592
AKAP14	0	0	0	0.0523017	0	0	0	0.112761	0	0	0	0	0	0	0

AKAP17A	2.22395	2.83189	2.70127	3.12124	6.43202	3.97064	1.94673	1.70665	1.81856	2.07795	1.19948	2.91227	2.47801	3.36524	3.09247
AKAP2	6.18828	2.52258	3.57994	5.70596	2.25188	10.9482	4.89706	4.20578	1.14174	3.62642	4.99651	1.93624	7.86465	5.89974	13.4575
AKAP3	0.0485034	0.230358	0.194895	0.164234	0.139922	0.1652	0.134493	0.166265	0.0421941	0.113057	0.148619	0.0495793	0.0447059	0.0796714	0.019902
AKAP4	0.00770151	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AKAP5	0.453086	0.381602	0.487276	0.191859	0.0554172	0.103284	0.309577	0.662653	0.057461	0.125693	0.24567	0.122942	0.119694	0.121957	0.358647
AKAP6	1.2455	0.439071	0.438687	0.371968	0.280339	0.756975	0.735201	0.619781	0.189948	0.385913	0.372253	0.267834	0.276009	0.307426	0.396775
AKAP7	0.929467	0.521933	0.641689	0.764896	0.197352	0.865447	0.435183	0.635867	0.138444	0.201423	0.437817	0.22966	0.319258	0.192215	0.374521
AKAP8	5.87231	4.8436	5.12278	5.74867	6.05748	8.05371	4.6613	4.24356	4.2004	4.15659	3.54683	3.60822	7.16456	4.80682	5.66603
AKAP8L	6.65731	7.02253	7.23455	6.24149	11.2896	10.8759	6.67908	5.88146	7.96398	4.88235	4.46915	6.58852	5.22292	6.7426	7.41099
AKAP9	7.4667	6.95875	6.78367	3.84257	2.01048	4.09518	2.01206	4.31379	4.02781	4.7172	3.87807	4.38197	4.43175	3.89659	5.69359
AKIP1	2.15073	1.6028	1.45503	4.60447	1.90748	4.83622	1.46992	0.969155	1.54947	2.85146	7.74535	1.60615	3.40069	3.21388	2.67544
AKIRIN1	4.77972	4.87591	5.33776	8.37276	3.41557	7.82897	3.31511	4.60999	10.0603	8.97201	10.8969	4.51344	12.8011	10.0769	5.51097
AKIRIN2	4.71965	3.97661	5.04404	10.9496	7.81503	9.9958	5.18359	4.77995	7.89256	8.56974	12.887	6.90835	16.0988	8.41431	5.96947
AKNA	3.13164	2.02868	3.11163	4.37802	5.37968	7.18825	2.84705	2.70854	0.35788	1.90731	2.46423	1.616	4.43913	2.78199	5.81167
AKNAD1	0.0712532	0.0995596	0.106102	0.0734285	0.0442724	0.109208	0.0732192	0.0379944	0.0173557	0.0447151	0.104567	0.101967	0.0919444	0.0782041	0.0511643
AKR1A1	10.3411	9.29459	8.50644	23.1553	19.9996	26.2913	10.7368	6.35252	15.395	16.4537	32.3427	12.8179	13.2873	10.8248	12.4531
AKR1B1	5.35678	2.2471	2.72077	5.71302	5.80929	14.7514	4.29515	3.13793	2.46491	10.1747	15.2482	3.76996	8.53042	7.25505	7.89836
AKR1B10	8.41945	4.66717	0.849863	105.583	29.4427	76.5497	2.35613	5.71793	30.9378	42.0348	75.7642	80.068	63.4786	29.5234	6.06001
AKR1B15	0.916818	0.617482	0.154982	8.84175	3.80202	7.39956	0.222622	0.586038	2.93404	3.77826	1.73011	3.9036	3.03247	2.51894	1.39081
AKR1C1	15.8915	6.23289	6.33131	5.00239	7.61426	27.057	13.5382	4.98777	19.857	16.1993	18.1177	14.1244	14.743	17.5636	7.28774
AKR1C2	2.43891	3.25277	2.89188	1.48089	3.01629	8.04522	4.0125	1.43881	1.8472	4.53592	7.46756	4.41766	3.00804	4.75915	1.91106
AKR1C3	4.81823	3.19937	3.09783	3.1289	2.78328	9.32836	4.70469	1.46384	3.97412	4.7106	10.4112	2.11863	3.93954	3.55382	3.93998
AKR1C4	0	0.0188218	0	0	0	0	0.022277	0	0	0	0	0	0	0.0204451	0
AKR1C6P	0.0496988	0.00798187	0.0137048	0.017072	0.0257331	0	0.0378296	0.0441681	0	0.0207923	0	0.0355608	0	0.0519495	0
AKR1C8P	0.0435224	0	0.0180024	0.0224256	0.0169013	0.00926469	0.0124231	0	0	0.0136563	0.0245657	0	0	0.0113734	0.0937556
AKR1D1	0.0170797	0	0	0	0	0	0.0292516	0	0	0	0	0	0	0	0

AKR1E2	1.51669	1.04395	1.24351	1.75837	1.87213	0.830212	0.850392	0.794302	0.395819	0.594875	1.71215	0.44572	0.6116	0.849308	0.875152
AKR7A2	4.9474	5.34578	5.47149	7.90199	8.74278	6.85225	5.85182	4.34942	6.34935	6.26581	13.0979	4.5457	4.58389	4.5325	5.93917
AKR7A2P1	0.559349	0.454786	0.404891	1.02676	0.488735	0.163721	0.299365	0.310689	0.106441	0.767856	0.138126	0.500286	0.0112778	1.51651	0.527163
AKR7A3	1.22052	1.06056	1.04763	0.349967	0.388699	0.498958	0.761633	0.524359	0.0686214	0.0877461	0.182383	0.233515	0.0240641	0.481584	0.753372
AKR7L	0.712106	0.313346	0.53197	0.061031	0.177211	0.27433	0.338187	0.318048	0	0.0651617	0.0369054	0.0880971	0.018965	0.118719	0.30774
AKT1	13.5025	10.3544	11.3884	21.7203	19.0262	35.1722	13.1713	8.94134	8.49564	15.4536	17.6395	8.28982	22.3707	17.8534	16.1271
AKT1S1	6.03564	6.20142	6.11895	13.0976	14.1647	16.8649	8.15544	5.78761	16.593	9.42818	14.4602	10.1173	12.8384	9.01338	7.59688
AKT2	7.34026	8.82176	9.06695	13.3286	14.9156	15.2072	9.41791	6.14315	14.0078	11.9805	10.2384	9.67653	16.6534	9.5214	7.21162
AKT3	4.57089	1.9085	2.58842	2.41149	1.34098	4.73436	2.36141	2.77478	0.612197	3.47485	5.56786	0.821401	3.64826	3.22842	7.80712
AKTIP	4.01957	3.94878	3.69204	4.1591	2.16942	4.24995	3.7176	4.22698	14.9059	5.62051	8.30452	4.2447	7.96386	3.5457	2.81036
ALAD	6.7413	8.52398	6.81139	7.72272	13.9994	11.2128	7.68963	5.24079	9.4777	3.29406	4.17446	5.87733	5.19407	3.29072	4.18273
ALAS1	3.68098	3.76541	3.67762	9.83357	6.55354	12.8989	4.27827	3.69916	21.5183	11.3841	10.0049	9.33329	15.5283	7.19219	6.91292
ALAS2	0.0650695	0.0522525	0.116632	0.022352	0.0336918	0.0277029	0.0495295	0.0963806	0.0396237	0.0680574	0.134668	0.046559	0	0.0736843	0.0155747
ALB	0.0396455	0.0334281	0.0491963	0	0.0153958	0.0928334	0	0.0528504	0	0	0	0.0141837	0	0	0
ALCAM	2.64367	1.40674	1.9497	0.928087	0.372296	7.77664	1.58801	2.00093	0.234401	1.95074	3.4681	0.327396	3.17242	1.91312	4.38077
ALDH16A1	4.46318	3.88806	3.94498	9.02225	16.3079	12.9744	3.75176	2.74809	6.72425	4.3299	4.07111	5.61397	6.18235	5.65061	4.60128
ALDH18A1	4.7317	5.65366	5.39693	10.3089	8.09354	13.498	6.34149	4.62513	7.42199	7.17124	9.2004	5.26953	10.2316	6.4631	8.49633
ALDH1A1	8.41121	1.91101	1.55169	1.46984	1.89685	10.4478	2.50967	4.54068	0.725759	0.711153	1.45571	0.356493	0.863509	0.321664	1.83789
ALDH1A2	1.52071	0.281554	0.427947	0.238559	0.283884	1.09895	0.672122	0.395219	0.00741922	0.0764593	0.0825237	0.0217945	0.306575	0.162378	1.17233
ALDH1A3	1.97977	0.782312	1.0604	16.1409	2.78608	3.59059	1.33256	1.04884	0.602027	13.0407	3.71844	6.24569	39.4971	7.05598	1.99679
ALDH1B1	2.42738	0.515764	0.69847	1.42942	1.6745	8.32531	3.93347	0.58956	0.266249	1.48546	3.44654	0.204971	1.4494	0.933762	3.08546
ALDH1L1	0.381985	0.107889	0.147106	0	0.153454	0.62808	0.285746	0.146326	0	0	0	0	0	0.0103263	0.0472913
ALDH1L1-AS1	0.105918	0	0.131434	0.0545757	0	0.0450938	0.0604668	0	0	0	0	0	0	0	0
ALDH1L1-AS2	0.00996257	0	0	0	0	0.025449	0	0.0088539	0	0	0	0	0	0.0156206	0
ALDH1L2	1.77741	0.828271	0.893919	1.28755	1.27317	2.41259	1.00242	1.41592	2.43761	3.42134	5.00404	2.48864	3.33935	2.1098	6.82892
ALDH2	32.9052	44.0623	37.4279	40.2207	74.2524	45.4867	52.2845	32.3683	76.3226	29.7945	38.3127	52.8616	34.2418	19.3415	11.5681

ALDH3A1	10.1045	8.9067	4.37056	9.53556	13.0507	39.6198	11.3614	7.92255	7.48368	2.30469	4.47007	8.38984	0.919999	4.85755	0.559832
ALDH3A2	15.529	29.2278	33.8262	15.5671	12.9255	20.3708	22.3503	23.2109	26.3528	11.0208	13.6667	10.2206	10.0039	7.6549	4.94158
ALDH3B1	1.34064	0.580324	0.936446	1.16641	1.74061	3.82113	1.64035	0.7638	0.294616	1.16489	2.68824	0.358169	1.03832	0.931544	2.37833
ALDH3B2	20.2677	28.6985	19.7837	45.9622	41.3306	34.0613	23.6053	19.9213	119.339	41.7375	66.1642	48.6941	34.4929	22.0064	5.89395
ALDH4A1	3.06334	5.97864	4.71555	8.87778	14.5765	5.89362	5.03982	2.61905	10.1377	4.28282	4.37737	8.21733	5.42064	4.2559	2.00476
ALDH5A1	1.58146	1.94974	2.05527	1.12375	1.8496	1.57038	1.36976	1.88569	2.51871	0.325865	0.752943	0.582944	0.280151	0.201203	0.353578
ALDH6A1	2.3964	2.63393	2.74191	2.15255	1.97896	2.49445	1.92514	2.46887	1.94567	1.02306	2.18355	0.903069	0.973521	0.97514	1.56406
ALDH7A1	6.02495	5.37651	4.55363	13.2388	5.28752	15.071	3.96147	4.07933	4.90512	3.97217	5.67395	4.3177	3.47583	4.30064	3.35327
ALDH8A1	0.171899	0.135133	0.232022	0.0932353	0.112429	0.0308147	0.134289	0.0804051	0.0330559	0.0227106	0	0.135946	0.0175119	0.0756564	0.142924
ALDH9A1	16.4871	18.1845	15.9521	23.7351	13.258	34.9348	14.2795	15.508	23.022	15.2903	19.7405	16.8112	17.7688	12.0956	7.60448
ALDOA	67.466	52.9378	59.3597	176.456	80.5594	250.101	83.423	52.4755	97.7674	119.874	199.027	98.5814	220.929	116.726	56.4325
ALDOB	0.076506	0.0506849	0.0553797	0.0689864	0.02971	0.0651438	0.021838	0.0424951	0	0.0120029	0.0215914	0.0136855	0.00617016	0.0549799	0
ALDOC	4.92018	8.23975	11.1557	5.04149	7.90402	10.5035	13.316	5.55612	14.3233	6.08736	10.7762	7.02098	9.30636	4.76936	2.35533
ALG1	1.69175	1.17686	1.13058	2.46607	2.15964	3.77002	1.73095	1.15162	0.946184	1.96739	3.68486	1.27628	2.79725	1.71976	1.81773
ALG10	1.32069	1.07865	1.36895	1.3424	0.247331	1.53203	1.26685	1.92673	0.440727	0.626395	1.48881	0.557752	0.793428	0.865062	1.1613
ALG10B	0.924789	0.653621	0.814194	0.501882	0.162318	0.649226	0.663829	1.27414	0.23811	0.370702	0.60893	0.236174	0.364387	0.436276	0.665587
ALG11	1.79483	1.70808	1.61899	2.70321	0.563094	1.94006	1.47945	1.6421	1.60162	1.62465	2.11454	0.866054	1.82858	1.35648	2.02398
ALG12	3.25739	3.684	3.42087	4.85434	7.27164	6.26141	4.09778	2.40086	3.52766	3.69666	5.3176	3.33562	7.65781	4.6741	3.40347
ALG13	2.48067	3.18182	3.23586	2.23795	1.47295	2.09784	2.26201	2.43034	1.48997	1.91273	2.54709	2.25356	1.86272	2.42266	3.16131
ALG14	3.4905	1.41677	1.19004	3.57526	0.788647	4.16097	2.0289	2.01164	1.82923	3.23923	7.04486	2.05858	4.53139	2.6314	2.88616
ALG1L	0.0412394	0.29867	0.451292	0.0747996	0.0842053	0.0513716	0.415482	0.143275	0.108938	0.0346933	4.85E-36	0.135808	2.98E-20	0.034702	8.50E-10
ALG1L2	0.0503116	0.0690444	0.0621493	0	0.0741985	0	0	0.0872093	0	0.0599523	0.0322047	0.0968317	0	0.0297693	0
ALG1L9P	0.416903	0.366824	0.31	0.165394	0.308059	0.338408	0.409674	0.228382	0.032188	0.0945883	0.0540065	0.0599051	0.0879943	0.146475	0.195328
ALG2	3.57716	2.8688	2.88881	4.88322	3.62017	5.53804	3.12066	3.47496	4.02651	4.55771	7.00996	2.77007	6.39425	3.67035	3.62498
ALG3	3.97712	3.41273	3.59305	8.24914	6.62893	11.4387	6.01136	3.66918	4.79755	4.46875	9.23592	4.78806	7.68178	5.56939	4.33361
ALG5	7.11654	3.93445	4.11953	8.02197	2.01529	7.16435	3.8122	3.78118	4.55431	7.44733	13.289	3.49482	7.33662	4.97584	5.37043

ALG6	1.87424	1.51829	1.48235	1.64846	0.245278	1.27437	0.877925	2.17818	1.50502	0.939221	1.64302	1.03159	0.943479	1.13385	0.946511
ALG8	2.54932	2.33506	2.15291	5.24061	1.03124	5.13281	2.16789	2.11222	2.24774	3.33298	6.52014	1.92861	4.0863	3.64323	3.54673
ALG9	2.04947	2.08912	2.2571	1.70283	1.02968	2.26591	2.16818	1.75595	1.87592	1.83276	2.1437	1.74829	2.31198	1.85442	1.61882
ALK	0.237114	0.270493	0.328853	0.0790554	0.287073	0.0831352	0.318505	0.275805	0.123156	0.109413	0.0708545	0.244512	0.0179982	0.138506	0.0250387
ALKAL1	0	0.00952235	0	0	0	0	0.0225653	0.0175641	0	0	0	0	0	0	0
ALKAL2	0.595958	0.239285	0.232814	0.170598	0.205718	0.845751	0.207914	1.02985	0.0403228	0.0623324	0.317694	0.0355353	0.0106808	0.00865205	0
ALKBH1	1.33397	1.08272	1.1554	1.6238	0.890037	1.88293	1.05287	1.00252	1.35204	1.14614	1.39471	0.787936	1.58271	1.39438	0.912875
ALKBH2	2.95813	2.61766	3.15094	3.70595	3.33363	5.67967	2.45034	2.14783	2.2605	2.28104	4.05962	1.79844	1.92105	2.23318	1.22172
ALKBH3	4.29231	3.90167	3.47768	6.0802	3.59721	7.93766	3.9577	3.15921	4.04192	4.5542	8.19236	3.27179	6.03362	3.85455	2.60553
ALKBH3-AS1	0.444366	0.422418	0.4769	0.173272	0.111933	0.132941	0.342812	0.522996	0.0146267	0.0904419	0.040673	0.103121	0	0.188307	0.517431
ALKBH4	1.59676	1.78702	1.38309	2.234	3.53201	3.27437	2.33426	1.15738	1.57692	1.25572	2.42412	1.08675	1.93005	1.17112	1.30636
ALKBH5	11.3322	10.3192	11.2598	14.2556	15.6027	26.9616	11.4147	7.80048	8.76029	11.0586	14.9996	8.41238	19.6249	13.5472	12.2083
ALKBH6	2.09597	1.93559	1.71587	2.38496	3.49317	5.03804	1.74498	1.7075	3.35037	2.35663	3.42591	1.45286	2.39472	2.1909	1.69317
ALKBH7	7.56366	5.35066	4.81876	8.61882	16.5284	12.3455	7.74257	3.44544	9.80462	8.24923	18.7257	4.59087	5.91213	4.79811	4.29246
ALKBH8	1.41692	1.22282	1.16747	1.30184	0.353569	2.08834	0.974575	1.07718	0.471262	1.19273	1.42609	0.602606	1.35844	1.06175	1.62627
ALLC	0	0	0	0	0	0.0272936	0	0.0142435	0	0	0	0	0	0	0
ALMS1	4.48641	3.05906	3.63591	2.68543	1.27694	3.03322	2.71356	3.35843	0.811411	2.03657	2.65057	1.70695	1.95169	2.30173	4.41368
ALMS1-IT1	0.52568	0.417913	0.510983	0.230235	0.122484	0.0559512	0.300102	0.513898	0.0640219	0.0989673	0.0741784	0.131648	0.0508749	0.329692	0.585081
ALMS1P1	0.116297	0.161096	0.21647	0.0449427	0.135487	0.247563	0.033196	0.0645968	0.0354091	0.0182455	0	0	0.037517	0.0151954	0.229648
ALOX12	1.39369	2.09016	2.28155	3.8839	3.90288	0.827351	3.54113	2.21551	9.86139	11.9489	13.7941	9.36123	16.7302	12.6957	1.79008
ALOX12-AS1	0.3555	0.205542	0.55878	0.293082	0.38655	0.635678	0.365309	0.315939	0.303071	0.223095	0.642104	0.203496	0.0917467	0.26012	0.306326
ALOX12B	12.5335	16.1244	16.6739	48.7001	51.1219	23.2109	43.7971	17.0328	144.218	34.515	40.3162	56.5219	68.0703	23.4418	8.94007
ALOX12P2	0.587269	0.476556	0.511401	1.1228	0.648165	0.651384	0.564653	0.748538	0.122342	0.581908	0.348923	0.475497	0.0897402	1.38524	0.410599
ALOX15	0.103164	0.236463	0.393652	0.062016	0.0534163	0.102483	0.130867	0.278788	0.23299	0.0431603	0.106754	0.0246055	0.0499205	0.00898631	0.0864244
ALOX15B	4.3047	1.87282	2.59505	6.03485	2.70115	14.6836	2.61806	1.61359	0.747464	4.86788	3.73362	2.04324	9.06899	4.92734	1.38332
ALOX15P1	0.0344391	0.529541	0.189456	0.106471	0.267479	0	0.0655728	0.291093	0.32494	0.0864491	0.116632	0.0739262	0.133319	0.0899968	0

ALOX5	1.51685	1.39757	2.15745	3.42798	1.21254	4.03334	1.266	2.08909	0.345703	2.3714	3.90533	0.507765	3.65712	1.02458	2.93
ALOX5AP	1.96807	0.895566	1.17587	3.51171	1.10395	1.30339	1.93499	1.24701	0.177547	6.42691	7.07655	0.456363	2.99811	0.971455	1.54405
ALOXE3	3.04868	7.01527	8.29785	7.36061	12.2502	6.47545	16.2875	5.4069	34.5595	8.39288	10.9299	13.5921	12.3641	4.11823	2.82904
ALPG	0	0	0	0	0	0	0	3.47E-14	0	0	0.0209508	0	0	0	0
ALPI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALPK1	2.63843	2.90514	2.93266	2.63086	1.8599	3.80501	1.94322	2.23463	2.15611	1.2237	1.33717	1.49316	0.949102	1.05266	2.3091
ALPK2	0.158514	0.294806	0.393402	0.0784096	0.182208	0.229453	0.318536	0.259208	0.162164	0.600833	1.00566	0.342532	0.292499	1.01901	1.56165
ALPK3	0.629613	0.159339	0.161344	0.436926	0.592731	0.983766	0.532498	0.212892	0.188472	0.465623	0.433154	0.359494	0.693452	0.823212	1.38827
ALPL	1.90266	0.424094	0.375115	7.53145	2.55498	7.50236	0.304541	1.12201	0.822938	3.04641	5.72093	1.9085	4.70383	2.01669	5.86074
ALPP	0	0	0	0	0	0.0132656	0	0.0138456	0	0	0	0	0.0251292	0	0
ALS2	2.42778	2.2459	2.19665	1.90431	1.56881	2.50667	1.94196	1.83212	1.69634	1.5462	2.11736	1.30236	1.89578	1.94898	2.07205
ALS2CL	6.0063	16.9628	14.0697	10.1272	32.1012	9.57169	12.7926	7.74286	11.6223	12.1441	3.22561	21.3152	7.87431	10.2085	5.34943
ALS2CR12	0.177644	0.152163	0.163288	0.162726	0.0766506	0.109244	0.169023	0.184188	0.0480778	0.049547	0.0668459	0.0564929	0.05094	0.185689	0.155906
ALX1	0	0.068991	0.133264	0.0553355	0.111212	0.0762026	0.0408724	0.0318138	0.0217986	0.0449295	0.0808217	0	0	0.00935466	0
ALX3	0.923843	1.06377	1.21765	1.42	3.089	1.42662	1.00118	0.556634	0.610244	0.530627	0.459585	1.07558	1.19212	0.769272	0.449748
ALX4	0.453038	0.322321	0.518394	0.109082	0.815531	0.533569	0.628452	0.263398	0.0464088	0.0743975	0.014339	0.072709	0.207613	0.0973665	0.54117
ALYREF	10.1475	8.05044	8.23765	20.545	15.0744	18.4486	9.94814	7.04961	13.4376	15.6753	22.7676	8.98166	23.2348	12.5917	7.78645
AMACR	1.13879	1.3488	0.490443	1.75192	3.37123	1.78905	0.902709	0.977022	13.3126	2.72319	5.29458	3.18601	1.1597	1.0755	0.563455
AMBN	0	0	0	0.0357386	0	0	0	0	0.0140787	0	0	0	0	0	0
AMBP	0.11305	0.0466881	0.0534419	0	0	0.0687579	0.0368793	0.0287057	0.0393379	0	0	0.0115558	0	0.0506444	0.0231935
AMBRA1	4.46071	4.58796	4.54281	5.96648	5.98326	5.33991	6.27893	4.02444	5.96574	3.74073	3.3735	4.45874	4.31321	4.51505	4.11455
AMD1	12.4414	9.65283	10.2076	25.451	5.24631	15.6482	8.53776	13.4617	21.9536	19.766	19.93	15.3376	38.4686	19.8653	11.9607
AMDHD1	0.0758433	0.0574239	0.134449	0.0558277	0.100981	0.295221	0.222674	0.0481452	0.343084	0	0.256853	0.0775256	0.118839	0.039639	0.0311202
AMDHD2	1.8237	2.98718	2.86022	2.25001	8.90176	6.209	2.37436	1.84968	1.85786	2.20171	4.0671	2.48922	1.73322	2.0469	2.5568
AMELX	0.0277162	0	0.0229288	0	0	0	0	0.0246319	0	0	0	0	0	0.0434571	0
AMELY	0.0274207	0	0	0	0	0.0233483	0	0	0.0667906	0	0	0	0	0	0

AMER1	1.52679	1.63635	1.46489	1.16098	1.39232	1.64314	1.90598	1.08892	1.02487	0.426604	0.522946	0.715884	0.827676	0.65184	0.810931
AMER2	0	0.00841164	0.0144427	0.0022489	0	0.00185818	0.0249165	0.00193943	0	0	0	0	0	0	0
AMER3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMFR	12.2293	9.8208	10.4563	13.7635	15.7165	20.4299	12.1462	8.12706	20.6485	15.818	19.4645	11.8166	20.955	10.3521	9.80135
AMH	0.137385	0.240705	0.0826576	0.16732	0.543214	0.191424	0.299462	0.188694	0.0456324	0.0470268	0.0986937	0.0804292	0.0564071	0.0326378	0.197302
AMHR2	0.046263	0.050153	0.04784	0.0238377	0.0359312	0	0.0132054	0	0	0.0435486	0	0.0165512	0	0	0.0498296
AMIGO1	0.354528	0.486504	0.571731	0.605836	0.320663	1.28775	0.635364	0.287157	0.0874482	0.236566	0.263435	0.0417439	0.338766	0.250965	0.451143
AMIGO2	1.18688	0.474136	0.535343	1.15898	0.571833	1.58975	0.646027	0.400837	0.825267	1.2448	1.99033	0.479959	1.69937	1.62377	2.20399
AMIGO3	1.54962	1.92848	1.92615	0.930872	3.15704	1.65101	2.23164	1.66091	0.976824	0.791655	0.659294	1.42082	0.909371	1.13142	1.25251
AMMECR1	2.04515	2.30679	2.03869	5.8463	2.15439	3.44282	2.12483	2.89347	6.61335	5.44351	5.32955	5.57301	8.33174	4.94725	2.01996
AMMECR1L	2.69775	3.07045	3.41445	3.30715	2.83823	4.46299	2.60609	2.34271	3.27315	3.63248	3.69061	2.99415	4.72702	3.74229	3.59413
AMN	0.891832	1.06708	0.983716	0.857789	3.87891	1.26564	1.01827	0.369874	1.4301	1.138	1.49337	1.91439	1.36179	1.46825	0.0426928
AMN1	0.615609	0.917637	0.83553	0.753353	0.239063	0.737132	0.571092	1.10275	0.609166	0.965816	1.21616	0.502428	0.769551	0.764142	0.939348
AMOT	1.89569	1.2289	1.54751	0.539248	0.958839	1.47808	1.6278	1.16678	0.400689	0.271356	0.332495	0.201781	0.190033	0.201429	1.05748
AMOTL1	7.76412	10.2853	11.4777	12.639	11.0099	15.8005	9.41089	8.14363	12.6942	11.4652	8.28562	9.79191	19.1262	12.7252	11.2425
AMOTL2	9.18597	6.28536	6.57227	7.01933	9.90616	8.68685	8.92195	5.28952	15.1159	7.11045	5.25357	5.67821	12.8507	7.77553	7.5874
AMPD1	0.0192378	0.00926906	0	0	0.0149415	0	0	0	0	0	0	0	0	0	0
AMPD2	1.47918	2.23154	2.25478	3.10863	4.51248	5.72765	2.70774	1.35767	3.30762	2.66	3.77759	1.87387	3.28238	3.04669	5.349
AMPD3	1.74217	2.92806	3.65724	9.52891	3.37956	3.46133	2.77362	2.48962	10.4294	9.10565	7.6406	6.75674	11.6789	6.21981	5.11553
AMPH	0.222919	0.0911322	0.111766	0.306299	0.419722	1.67955	0.13883	0.192108	0.0246809	0.618921	0.937961	0.0241674	0.261502	0.275381	1.18355
AMT	2.44492	2.97418	2.50678	0.929964	3.72585	2.07587	2.0333	1.93365	0.592488	0.552071	0.723996	1.16694	0.14697	1.04394	2.4442
AMTN	0	0	0	0	0	0.0587654	0	0.0817798	0	0	0	0	0	0	0
AMY1A	1.50E-41	1.32E-41	7.69E-40	0	1.78E-34	7.45E-40	0.00520176	1.43E-40	4.80E-35	2.57E-36	7.79E-43	1.53E-37	0	0	1.27E-26
AMY1B	3.17E-42	2.79E-42	1.62E-40	0	3.76E-35	1.57E-40	0.00109866	3.02E-41	1.01E-35	5.43E-37	1.65E-43	3.22E-38	0	0	2.68E-27
AMY1C	1.20E-41	1.06E-41	6.17E-40	0	1.43E-34	5.98E-40	0.00417426	1.15E-40	3.85E-35	2.06E-36	6.26E-43	1.22E-37	0	0	1.02E-26
AMY2A	0.0182947	8.86E-29	0.0145846	1.11E-28	0.0265109	4.04E-31	1.94E-28	0.0337408	6.41E-30	0	2.72E-30	7.04E-28	1.14E-33	5.79E-36	5.17E-30

AMY2B	7.30495	5.93841	7.51237	1.27652	1.08652	3.71795	3.42515	3.94698	0.502866	1.1142	1.75958	0.812463	0.313021	0.534104	1.52692
AMZ1	0.176694	0.166566	0.17795	0.122712	0.2506	0.104663	0.206129	0.136549	0.00935623	0.101242	0.0910603	0.104442	0.109045	0.325226	0.35305
AMZ2	4.09153	4.21286	3.96635	6.20904	5.02473	7.69461	3.79246	3.4553	8.09737	5.9801	9.37016	3.82329	3.55498	3.41447	3.76221
AMZ2P1	0.97079	0.804392	0.765054	0.272133	0.375993	0.747341	0.525127	0.742393	0.230323	0.406682	0.754735	0.488442	0.178646	0.201171	0.367981
ANAPC1	4.13917	3.57444	3.64812	5.25785	1.76087	5.2141	3.88087	3.59983	1.85371	2.75648	3.57212	2.70271	4.84985	3.88883	3.31936
ANAPC10	1.71627	1.15779	1.19946	1.59682	0.345211	1.03666	0.88459	1.30822	0.498742	1.70864	3.31099	0.926571	1.48532	1.3137	0.762958
ANAPC11	6.1839	4.50036	4.58164	12.7898	11.6339	12.9012	5.60261	3.03478	9.57578	13.3619	26.8869	7.62782	9.73853	8.09869	4.88346
ANAPC13	5.2747	3.38299	3.24445	5.74396	1.95453	7.82907	2.83519	3.93416	6.50609	6.31442	12.523	3.57843	6.31657	5.63627	3.92571
ANAPC15	1.83784	1.86515	1.6619	2.77653	1.74933	3.80521	1.9126	1.41726	2.25182	2.11443	4.4973	1.58713	2.3986	1.88459	1.29332
ANAPC16	7.4766	6.25169	6.4961	7.67147	4.66362	8.51404	5.11497	5.90118	5.58341	5.71333	11.5292	3.73505	4.90335	4.09059	3.55738
ANAPC1P1	0.0162964	0.0289832	0.0520651	0.015808	0.0446099	1.32E-41	0.0339856	0.0446604	0.0186033	0	4.26E-39	0.0108452	0	4.20E-45	0.020246
ANAPC2	4.48289	5.78596	6.21167	5.49424	15.6179	8.43709	6.19496	3.95355	6.42006	3.4426	2.57386	5.55049	5.84551	5.49228	4.99776
ANAPC4	3.64232	3.89752	3.90069	4.44004	1.57236	4.19902	2.40038	3.29082	1.73856	3.56165	4.13128	2.30285	4.05253	3.63999	2.49739
ANAPC5	16.7134	14.8605	14.4291	18.8824	11.1453	24.5895	14.3533	11.7294	15.857	15.81	22.0904	12.1771	16.0797	15.2831	15.6205
ANAPC7	4.80771	5.47441	4.78115	7.78841	4.321	7.17616	4.10429	3.92274	5.45306	5.76315	5.52051	5.53955	6.43739	6.39636	3.62097
ANG	2.03503	1.71641	2.44683	0.569955	0.894729	2.31768	2.44032	1.47569	2.16925	1.36129	3.004	0.927998	0.827564	0.744877	1.4772
ANGEL1	2.50515	1.89054	2.02121	3.25459	3.67274	5.21052	2.37822	1.631	1.8443	1.79468	2.87884	1.81264	1.65989	2.97461	4.61638
ANGEL2	3.13567	2.60615	2.52508	2.17223	0.967393	2.95924	2.47135	2.7364	1.22523	1.5797	3.06782	1.27764	1.47238	1.9484	2.48929
ANGPT1	1.00823	0.26024	0.24682	0.895885	0.319619	1.30089	0.387638	0.502876	0.225535	1.4914	2.58991	0.187716	0.753394	0.475865	1.84688
ANGPT2	0.865612	0.823546	0.948737	1.2724	0.443648	1.88941	0.64718	0.804429	0.337136	2.04602	3.56641	0.594216	1.50254	2.13572	2.05716
ANGPT4	0.650945	0.128305	0.0693532	0.0559014	0.0766016	0.197354	0.146393	0.276105	0.0420412	0.00618941	0	0.0141142	0.00318171	0.0206189	0.0283284
ANGPTL1	7.20528	3.05653	3.90902	0.6524	0.385242	3.00647	2.74225	4.15297	0.230509	1.26968	1.68719	0.807893	0.202122	0.498013	2.8025
ANGPTL2	12.4462	6.21528	8.80096	15.8641	15.5089	55.7528	25.5733	10.1974	1.51502	20.5573	33.6152	6.52273	37.806	18.079	69.5432
ANGPTL3	0.117637	0.204045	0.181659	0.0404093	0	0.0667774	0.152222	0.23697	0.0764097	0.0885877	0.123944	0.0617263	0.0252995	0.143458	0.045051
ANGPTL4	3.14648	2.4233	3.22609	19.1423	5.39709	15.8683	1.58128	4.05954	6.02181	12.7166	18.665	9.62273	10.1033	9.36543	3.66386
ANGPTL5	0.693901	0.682791	1.05915	0	0.0151812	0.0748961	0.758797	0.469025	0.0238054	0	0	0	0	0.00510793	0.0982493

ANGPTL6	0.0907407	0.163127	0.112625	0.200535	0.114225	0.281723	0.109801	0.118843	0.115785	1.63E-36	0.130761	0.0326139	0.114706	0.126428	0.163061
ANGPTL7	24.467	1.97206	2.83421	0.562392	0.753519	1.81571	1.88083	1.85019	0.160006	0.177579	0.114086	0.571266	0.136929	0.411989	1.94483
ANGPTL8	0.132701	0.601011	0.241515	0.218804	0.494713	0.112993	0.606055	0.165107	0.129292	0.299796	0	0.512736	0.102742	0.735166	0.381151
ANHX	0	0	0	0	0	0	0	0	0	0	0	0.0187643	0	0	0
ANK1	0.244372	0.0528639	0.0474462	0.105359	0.174304	0.581775	0.193603	0.0620508	0.00911075	0.153356	0.146378	0.076722	0.555055	0.407921	0.762778
ANK2	3.10274	1.19862	1.83572	0.363996	0.966074	2.16661	3.16302	1.84774	0.0674782	0.39464	0.575426	0.29436	0.46025	0.55671	2.96396
ANK3	3.51705	3.90822	3.73298	3.67103	2.31618	3.2141	2.78169	3.7291	6.8685	4.49859	2.66893	4.41534	4.29331	2.70111	1.4276
ANKAR	0.770387	0.537838	0.658996	0.378051	0.170954	0.285594	0.508614	0.754519	0.0702088	0.157864	0.266226	0.146245	0.0912948	0.246513	0.579529
ANKDD1A	1.2568	0.713041	0.676739	0.475152	0.612245	1.44376	0.93401	0.872405	0.108685	0.466692	0.604449	0.329912	0.278291	0.617993	1.51657
ANKDD1B	0.0544116	0.161667	0.187555	0.0934545	0.2113	0.154436	0.0621254	0.112832	0.0110445	0.0682921	0.0204746	0.0454217	0.00585101	0.0521361	0.0130236
ANKEF1	1.428	1.29077	0.878683	2.54793	1.23741	3.04986	0.572677	1.16421	1.41575	1.28126	1.36557	1.43555	2.88586	1.65612	0.694895
ANKFN1	0.295727	0.321742	0.473509	0.0491541	0.177819	0.146211	0.675304	0.313686	0.0116182	0.0239463	0.010769	0.08191	0	0.0598297	0
ANKFY1	5.38056	6.21104	6.30384	8.44448	6.3157	10.1177	6.92774	5.17822	5.39374	4.25942	4.69397	4.68205	6.57822	5.1998	6.074
ANKH	8.08299	7.64764	8.71016	4.09676	6.41975	5.92006	8.1204	6.80352	10.5062	3.76329	5.08034	3.65613	3.97067	4.56731	5.81328
ANKHD1	7.06499	8.61199	8.49147	5.95366	3.05137	4.88526	5.0227	7.47072	3.99022	4.15769	3.02108	3.94734	5.24889	4.01018	4.46641
ANKHD1-EIF4EBP3	8.39105	7.54	7.81801	6.05331	5.9605	7.81112	6.9962	5.46185	10.1698	5.79917	3.77404	8.05403	5.17867	5.71086	4.62037
ANKIB1	4.78769	5.32687	5.61994	5.14957	3.29283	5.93027	4.20194	4.6946	4.89923	5.13014	5.50782	3.54009	5.23754	4.26458	5.24698
ANKK1	0.673451	0.819967	0.760402	0.365762	0.848191	0.472696	0.581889	0.452924	0.875606	0.159912	0.14383	0.280007	0.405149	0.147449	0.0784184
ANKLE1	0.107876	0.159394	0.11899	0.0667018	0.145227	0.165339	0.156015	0.121437	0.0175175	0.0902639	0.0487115	0.0617507	0.0324806	0.0902094	0.0826261
ANKLE2	8.58699	9.20764	9.60268	14.2342	11.1088	12.7197	8.50143	6.97977	12.9357	12.4302	8.58613	12.2146	15.9979	13.8254	9.92938
ANKMY1	1.40283	1.50265	1.56578	0.855713	2.96902	1.50473	1.45361	1.2977	0.680599	0.532486	0.430894	0.683599	0.516634	0.647079	1.38281
ANKMY2	3.15217	2.62728	2.67513	1.81089	1.33666	2.80743	1.3755	2.18959	1.21347	1.71667	2.37227	0.641639	0.98766	1.0841	1.82117
ANKRA2	2.72705	2.31841	2.2473	2.68009	2.33882	2.65377	1.44262	1.91827	1.62856	1.83691	4.51671	1.09241	1.66437	1.62338	1.22482
ANKRD1	0.105515	0.0451902	0.0290966	0.084573	0	0.00998278	0.107088	0.0520963	0.0571137	0.0147147	0.0397046	0.0251664	0.0226927	0	0
ANKRD10	7.78416	5.37536	6.48908	5.45573	5.78439	9.46149	5.40432	4.65181	2.14011	5.5372	10.7457	3.451	5.32621	9.16063	10.5132
ANKRD11	6.0312	7.87569	7.65482	6.92096	12.299	10.7808	6.39424	5.88993	5.24938	4.26013	2.94095	5.9199	7.91573	6.63836	6.86739

ANKRD12	7.53029	6.40916	6.65873	4.172	1.35925	4.02287	2.67212	4.80837	4.6996	4.64576	4.35395	3.40693	5.4754	3.22811	4.52568
ANKRD13A	11.0622	9.27891	10.146	12.2238	7.48787	14.1794	11.5081	9.57857	22.9351	16.2627	18.0165	10.1569	19.4212	9.31928	9.25311
ANKRD13B	0.736668	1.09996	0.953356	1.47322	3.2403	1.92526	1.84044	0.550976	0.577392	0.595036	0.683399	0.621045	1.01177	0.861519	1.66548
ANKRD13C	3.28748	2.83342	3.04397	3.28263	2.56281	3.41821	3.29192	2.79098	8.77351	2.91135	4.5963	2.30553	3.96811	3.08632	2.96177
ANKRD13D	3.1203	5.41617	5.22152	6.83964	15.7721	7.95344	3.88758	3.26083	7.01857	8.02399	6.24169	6.91619	7.77739	7.30415	4.53953
ANKRD16	1.37263	1.59012	1.69918	1.27198	2.88682	1.92177	1.36832	0.906551	0.902217	0.859084	1.65819	0.69123	1.08138	0.80659	0.909941
ANKRD17	10.2385	10.5348	10.4904	11.6089	6.43737	14.0596	8.65891	9.82663	10.7043	8.26664	7.46045	8.8751	11.6785	9.33577	8.93207
ANKRD18A	0.166863	0.846643	1.31013	0.0714516	0.151439	0.0248149	0.343357	0.576983	0.0438986	0.0153875	0.00618504	0.0833565	0.0115956	0.0491938	0.0393423
ANKRD18B	0.731488	1.37932	1.39974	0.31816	0.438513	0.28646	0.365391	1.04146	0.563255	0.591216	0.223481	0.716194	0.419111	0.286437	0.119225
ANKRD18CP	0.118544	0.0429399	0.0195363	0.0121682	0	0.0255538	0.00674081	0.0807149	0	0	0	0	0	0	0
ANKRD18DP	0.0159883	0.0115551	0.0462932	0.0164764	0	0.0204207	0.00912746	0.0426272	0	0.0301004	0	0	0.0206311	0.0417809	0.137767
ANKRD19P	0.260823	0.294838	0.414945	0.258448	0.498645	0.316048	0.171807	0.490342	0.183262	0.125908	0.271788	0.308651	0.0582514	0.277878	0.633897
ANKRD2	0.0608627	0.139292	0.276925	0.109761	0.378163	0.155471	0.104237	0.0405673	0.018531	0.076389	0.240473	0.0435489	0.107988	0.0556667	0.0874066
ANKRD20A1	0.068231	0.425638	0.0245717	0.00218826	0.0664455	0.0774727	0.018385	0.0211754	0.0292044	1.68E-09	0.00840904	0.3249	0.0113757	0.05963	0.0369386
ANKRD20A11P	0.068786	0.0409575	0.140647	0	0.0330112	0.135365	0.0242645	0.0188867	0.0258821	0.106692	0.0479809	0.0608245	0	0.011107	0
ANKRD20A12P	1.57914	0.760855	0.625744	0.218804	0.226744	0.214687	0.651509	1.10858	0.11313	0.366417	0.449409	0.294348	0.273978	0.755973	0.381151
ANKRD20A19P	0.317899	0.168485	0.221662	0	0.0564351	0.00773391	0.0777786	0.181621	0	0.00569994	0	0.00974851	0	0.0237354	0
ANKRD20A2	0.00744511	0.0727567	0.0156941	0.127601	0.0276112	0.0320839	0.00748679	0.0183403	6.37E-06	1.45E-20	9.33E-13	0.0169688	0.0341266	0.00236258	0.0235914
ANKRD20A3	0.0529061	0.0992251	0.209008	0.00030576 2	0.0288408	0.00016826	0.0730015	0.0596161	3.47E-05	0.0202881	9.99E-06	0.0138229	9.46E-05	0.00977768	0.0991294
ANKRD20A4	0.280469	0.0348698	0.256391	0.00152116	0.0542986	0.00289653	0.0193926	0.228377	0.0268146	4.78E-14	0.00772093	0.00074587 8	3.62E-07	0.049854	3.75E-05
ANKRD20A4-ANKRD20A20P	0.231905	0.574021	0.675528	0.147488	0.0991759	0.105729	0.373907	0.750989	4.25E-07	7.58E-19	0.0875337	0.134341	8.86E-16	7.91E-07	5.94E-10
ANKRD20A5P	0.790752	0.290481	0.179012	0.034215	0.32535	0.14629	0.0641532	0.183035	0.0456201	0.0156714	0.0336716	0.0755563	0	0.0130516	0.197248
ANKRD20A8P	0.0473371	0.137981	0.10507	0.073337	0.0263907	0.0569633	0.0384262	0.165192	0.01536	0.0377148	0.0151444	0.1182	0.00895741	0.00426022	0.0447855
ANKRD20A9P	0.100795	0.0350541	0.0365793	0.00718794	0.0108346	0	0.0398191	0.187004	0	0	0.00962419	0.0210507	0	0	0.020034

ANKRD22	2.25699	4.69181	4.96904	5.57653	1.12649	2.13732	2.92339	4.91226	14.5237	7.81214	7.94469	4.99601	10.5987	3.33879	1.43131
ANKRD23	1.36241	2.51344	2.38022	0.61887	4.98443	1.2135	2.24123	1.40994	0.480313	0.49499	0.293433	1.2891	0.138793	0.688632	1.42883
ANKRD24	0.0747292	0.0470843	0.0618212	0.0414672	0.24109	0.210471	0.0459433	0.0408696	0.0070009	0.00721483	0.00648923	0.00822627	0	0.00600873	0.057788
ANKRD26	1.33826	1.61034	1.56464	1.19969	0.397726	1.39242	0.541811	0.995159	0.540512	0.916956	1.34501	0.718172	0.627755	1.17761	1.39731
ANKRD26P1	0.00377969	0.00182111	0	0	0	0	0.00431553	0	0	0.0047439	0	0	0	0	0
ANKRD26P3	0.0124225	0.00598533	0.00513837	0.0128017	0.00964819	0	0.00709178	0.0220801	0	0	0	0	0	0	0.0356805
ANKRD27	2.56741	3.84126	3.88673	4.74528	4.64199	5.25729	4.0351	2.22627	5.82955	4.03121	3.31484	3.39519	6.35431	4.16676	3.299
ANKRD28	5.07072	3.45838	3.727	3.64804	1.26701	4.6811	2.98325	4.16572	2.50002	3.79466	4.4259	2.1925	3.76453	4.05558	6.84483
ANKRD29	1.97621	1.87116	0.746228	1.57531	1.76483	1.20194	0.778332	0.966881	3.15317	2.368	3.21809	2.40435	1.86147	1.4971	1.46355
ANKRD30A	0	0.0227823	0.0608486	0.0162426	0	0	0	0.0140075	0	0	0	0	0	0	0
ANKRD30B	0.00501257	0.0120757	0.0207338	0	0	0.00426814	0	0.0133643	0	0	0.00565857	0	0	0	0
ANKRD30BL	0	0.00770606	0.0198468	0	0.0621098	0.0204278	0.0365224	0.00710699	0	0	0	0	0.0103191	7.28E-09	0.0228304
ANKRD30BP2	0	0.0163117	0.00560139	0.00697764	0	0	0.0154617	0	0	0.0169964	0	0.00484478	0	0.0106163	0.0292892
ANKRD30BP3	0	0.0594024	0.0437113	0	0	0	0	0	0	0	0	0	0	0	0
ANKRD31	0.0920201	0.118231	0.0697817	0.568976	0.0595579	0.528889	0.048155	0.0851873	0.658412	1.87198	1.51491	0.905339	1.55106	1.17028	0.209241
ANKRD33	0.0113114	0.00544999	0	0	0.0175705	0.019263	0	0.0100526	0	0.0567877	0	0.00809358	0	0.00591181	0.113712
ANKRD33B	1.07371	4.60579	7.4096	0.296427	0.959106	0.60387	2.24801	3.12051	0.05436	0.149389	0.179154	0.133072	0.233584	0.158112	0.445146
ANKRD34A	0.108924	0.142007	0.164317	0.0924403	0.228912	0.289152	0.175575	0.14805	0.0390167	0.0402089	0.122961	0.0412611	0.0413394	0.0636256	0.303654
ANKRD34B	0	0.00283372	0	0.00606089	0	0.0200315	0	0.0156805	0	0	0	0	0	0.00614768	0
ANKRD34C	0.0213339	0.010279	0.00705957	0	0.00662779	0.0181656	0.0584601	0.00758393	0.0155894	0.0107105	0.01445	0	0	0	0.0245106
ANKRD34C-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANKRD35	7.563	7.42037	9.97971	1.47509	19.0487	1.7579	5.94799	9.68756	10.9542	0.578692	0.986606	5.7414	0.195361	0.593449	0.375552
ANKRD36	4.44719	3.69467	4.23897	2.30675	1.61277	1.59452	2.2926	3.21838	0.265745	0.925066	0.781292	1.05092	0.426312	1.73316	4.36869
ANKRD36B	2.84421	2.81421	3.20921	1.4077	0.859626	1.12199	1.69164	2.08211	0.282566	1.03268	1.30174	0.619169	0.457737	1.44405	2.39959
ANKRD36BP1	7.15558	7.00383	8.63103	7.2709	1.32137	6.21005	9.66975	15.409	11.3657	8.07033	7.95066	7.1698	11.1625	5.8451	7.52758
ANKRD36BP2	0.882914	0.393174	0.30987	0.46872	0.270138	0.29616	0.427671	0.368553	0.0162923	0.688395	1.26853	0.258443	0.55239	0.643233	0.922164

ANKRD36C	3.87709	3.1334	3.7491	1.30517	1.24323	1.07954	2.67462	2.71817	0.234016	0.964794	1.66378	0.562398	0.344972	1.32337	2.89215
ANKRD37	1.25123	1.98434	2.07629	2.55779	1.54655	2.15448	1.40605	0.837336	2.32788	10.7091	20.3143	6.23128	11.0043	7.38675	1.04013
ANKRD39	2.0102	3.21606	3.07011	3.29326	5.36435	3.55498	3.14852	1.69488	3.10732	2.55535	6.08046	2.37881	2.8101	2.62654	1.62851
ANKRD40	5.34583	4.39447	5.03782	5.30881	2.78522	9.99717	3.7649	4.02077	2.2919	3.52548	5.99717	1.89864	5.97773	4.23882	5.28561
ANKRD40CL	0	0.0385837	0	0	0	0	0	0.0237227	0	0	0	0	0	0	0
ANKRD42	0.851798	0.831812	0.915438	0.838615	1.02779	1.2725	0.577455	0.784043	0.60669	0.553638	0.669668	0.612205	0.809644	0.830751	0.851934
ANKRD44	1.93786	1.35558	1.45766	1.17972	1.07585	1.4545	1.13907	1.85616	0.603135	0.995405	1.72982	0.52639	0.886785	0.819625	2.12849
ANKRD44-IT1	0.476284	0.657149	0.519384	0.200792	0.100886	0.147472	0.395495	0.711882	0.0263664	0.108688	0.0733179	0.170397	0.027936	0.271556	0.808368
ANKRD45	0.0953102	0.00834944	0.0501756	0.0357163	0.0403772	0.0811554	0.00989292	0.0308014	0.0105525	0	0.0195624	0	0.00559033	0.0498133	0.0746605
ANKRD46	1.48708	1.46895	1.53888	1.35671	1.56481	1.27985	1.21105	1.42107	1.80461	2.06713	2.14204	2.07089	1.46154	1.37614	0.742498
ANKRD49	1.99237	1.58041	1.76883	2.2535	0.452903	1.7482	1.06806	1.75985	1.83466	2.18042	2.92113	0.982268	2.02226	1.26353	1.22128
ANKRD50	4.38283	4.39216	5.07104	4.20224	1.75721	4.3772	2.74842	5.478	3.14634	6.46838	6.13563	4.25984	7.36341	6.26145	5.38005
ANKRD52	3.67359	5.06521	5.01863	6.03679	7.97809	9.42045	6.02904	3.89207	4.37633	5.01005	3.79691	5.20927	9.66529	6.73529	5.96304
ANKRD53	0.229247	0.147273	0.19868	0.146247	0.271314	0.371811	0.174498	0.223139	0.0265902	0.0548055	0.110911	0.0156221	0.112693	0.074171	0.235163
ANKRD54	1.73475	2.00409	1.95696	2.71541	3.37852	3.13327	1.50801	1.47162	1.7606	1.94636	2.35887	2.06406	2.63277	2.6444	1.32115
ANKRD55	0.0462861	0.0669041	0.0536076	0.0476992	0.0143797	0.0867064	0.052848	0.13986	0.0338228	0.0116188	0.0731517	0	0.00597271	0.00483823	0.0132945
ANKRD6	0.923034	0.622812	0.446796	0.872866	0.566662	1.71459	0.672712	0.414219	0.725564	0.968941	0.708451	0.56403	1.28132	0.645859	0.517763
ANKRD60	0	0.00327287	0	0	0	0	0	0	0	0.00852566	0	0	0	0	0
ANKRD61	0.95955	0.940324	1.04944	0.502802	0.530522	0.443143	0.817045	0.997305	0.0792288	0.285774	0.128517	0.267651	0	0.374002	0.560557
ANKRD62	0.0349297	0.064159	0.0286343	0.030234	0.0379771	0.00832707	0.0111708	0.0521469	0.0178654	0.0184113	0	0.0279898	0	0.023996	0
ANKRD62P1-PARP4P3	0.208506	0.230425	0.335126	0.0155069	0.0701219	0.0384382	0.154627	0.320951	0.0733046	0.0755446	0	0.247638	0.0194171	0.0991739	0.0216101
ANKRD63	0.0933409	0.121692	0.149894	0.0169748	0.0341154	0.023376	0.169264	0.156148	0.013374	0.0344566	0	0.0353583	0.00354253	0.0229572	0
ANKRD65	0.580688	0.824092	0.777351	2.50247	3.24723	1.33051	0.337533	0.43162	0.720071	0.649315	1.3468	0.423052	0.796997	0.463516	0.788454
ANKRD66	0	0	0	0.0225635	0	0	0	0	0	0	0	0	0	0	0
ANKRD7	0	0.0246515	0	0.0175752	0	0.0145217	0	0.04547	0	0	0.0577575	0	0	0.0178269	0
ANKRD9	2.18142	2.11584	2.53357	4.16719	4.69801	4.78154	2.56137	1.33759	4.58837	3.71233	3.75833	3.43184	5.82952	3.58959	2.37354

ANKS1A	5.57897	5.65873	5.33881	7.31147	7.87927	8.65376	5.86645	4.23918	6.58153	5.51118	3.48835	7.86907	7.3354	5.57642	4.1866
ANKS1B	0.397582	0.266927	0.354196	0.129766	0.139158	0.179237	0.266877	0.213423	0.136991	0.074791	0.0346146	0.0246595	0.00625004	0.0235829	0.271288
ANKS3	1.26178	1.31784	1.51712	1.37299	3.62779	2.70265	0.957456	0.995994	0.754035	0.895113	0.86702	1.12714	1.03152	1.69986	1.5307
ANKS4B	0.0477833	0.0268598	0.00658829	0	0.0262159	0.00678114	0.0363716	0.0424658	0	0.00999549	0	0.00574834	0	0.00832455	0.0228743
ANKS6	2.28948	1.44336	1.2031	1.9307	3.16565	3.6875	2.43364	0.831073	2.30528	1.27083	1.62716	1.4859	1.50004	1.73588	1.93111
ANKUB1	0	0.00418255	0	0	0	0	0	0.0231444	0	0.0108953	0	0	0	0	0.0124667
ANKZF1	3.96686	6.90942	6.62147	4.8296	9.51553	7.16654	4.40902	3.73602	3.6341	4.39503	3.60626	4.52766	3.43707	4.27954	3.6425
ANLN	0.888818	1.29637	1.40665	4.90335	0.442705	4.4586	1.74285	0.746976	1.45311	5.12912	6.28194	1.71436	6.63536	6.24348	2.09505
ANO1	5.50616	6.70055	8.56245	1.35503	7.10611	4.80114	8.51776	4.60531	2.52442	4.65298	3.18001	3.18841	5.05777	4.28081	7.25173
ANO10	5.65173	4.51056	4.72943	5.7496	5.2787	6.27458	5.94827	4.17921	12.0014	6.47507	7.86057	5.32973	6.05872	4.76778	3.93342
ANO2	1.20486	0.486222	0.602093	0.378165	0.446514	0.958222	0.865902	0.402221	0.11173	0.360783	0.759467	0.192552	0.232816	0.524227	0.676321
ANO3	0.0430836	0.0259479	0.0178209	0.0295992	0.00557697	0.0275138	0.028695	0.0191445	0.0131177	0.0630867	0.12159	0	0.0880248	0.0318996	0.0257806
ANO4	0.0437797	0.0210937	0.0271632	0.0112791	0.00850063	0.0279584	0.0812277	0.0437712	0	0.199187	0.0741328	0.0587354	0.240095	0.145868	0.235774
ANO5	0.0799114	0.0619389	0.0776055	0.0358048	0.0539696	0.0650851	0.0555376	0.0833697	0	0.0218037	0.0235331	0.00497207	0.0493168	0.0381335	0
ANO6	6.68758	4.56603	5.08012	8.32885	3.09083	9.72215	5.89584	5.33381	2.70732	8.94188	10.6832	3.72027	11.9069	6.68968	9.86451
ANO7	0.166497	0.17799	0.129129	0.117961	0.185888	0.363285	0.207923	0.134096	0.0253468	0.104485	0.105724	0.0670123	0.137636	0.155002	0.149444
ANO8	3.40011	5.24501	5.07689	3.08459	19.1175	4.41866	7.96156	3.09604	21.0374	5.05103	2.74973	9.66767	4.65	3.65023	3.49014
ANO9	2.7333	9.84117	12.3296	3.97898	17.202	6.522	9.51444	5.88143	8.49854	6.92018	2.63466	11.516	4.2648	5.25571	2.00205
ANOS1	0.648665	0.803414	0.87921	0.800651	0.751431	0.449353	0.690413	0.882633	0.660566	0.712949	1.34041	0.38547	0.529647	0.444366	0.636833
ANP32A	11.168	7.2303	6.10236	13.5496	6.38513	14.8794	4.58616	5.98012	5.95487	7.77411	9.95867	4.18352	11.2442	7.53889	5.55287
ANP32A-IT1	1.02983	1.14871	0.986163	0.479754	0.964195	0.180183	0.861739	0.883887	0.0859056	0.274445	0.135366	0.383578	0.0273059	0.623027	0.891435
ANP32AP1	0.344951	0.543935	0.674505	0.161583	0.29227	0.0801057	0.751902	0.613127	0.0381919	0.118077	0	0.179506	0	0.278624	0.0900714
ANP32B	26.3796	22.3428	23.1974	38.5637	25.3824	38.534	14.144	19.6512	20.7904	17.9206	21.5181	14.4383	32.7095	23.031	12.9984
ANP32C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANP32D	0.116884	0.0844748	0.19339	0	0	0	0	0.0519384	0	0	0	0	0	0	0
ANP32E	4.6247	3.74725	4.47249	3.79928	1.56828	5.65723	2.5063	4.89731	2.5068	3.9078	3.77215	1.81767	5.6693	3.66646	3.12439

ANPEP	6.48005	3.45213	5.07226	19.8311	5.25941	16.9958	9.61399	5.9956	0.872596	12.0405	17.2143	2.96709	27.7077	12.1022	22.8921
ANTXR1	12.8111	11.9334	13.5413	18.3284	17.4723	25.0073	15.4324	16.0138	6.15709	17.278	30.5632	5.075	17.9024	14.2439	28.23
ANTXR2	3.04152	1.57379	2.44639	2.48548	1.92125	6.07477	2.07014	1.92111	0.171175	2.93187	4.56317	0.325839	3.05782	2.06857	4.16211
ANTXRL	0.018559	0.017884	0	0	0	0	0.010595	0	0	0.0232934	0	0	0	0	0
ANTXRLP1	0.0397306	0.0191428	0.0657358	0	0	0	0.0226815	0.0706184	0	0	0.0448509	0	0.0384509	0.0415299	0.142645
ANXA1	49.8721	32.1017	44.4486	544.348	38.8045	73.4613	20.6781	21.7192	53.5637	2324.4	1036.57	410.753	4397.41	848.911	272.036
ANXA10	0	0	0	0.0164821	0	0.0136185	0	0	0	0.0200739	0	0	0	0	0
ANXA11	14.0299	11.1967	13.4742	22.8636	15.1663	32.7172	17.956	9.87862	5.81733	15.4478	22.1954	7.69791	32.7188	13.3321	17.0165
ANXA13	0	0.0138346	0.0118769	0.0295901	0.022301	0.0366737	0	0	0	0	0.0648278	0.0205452	0	0.00750346	0
ANXA2	158.932	135.367	143.148	496.932	127.138	376.353	152.767	110.612	176.512	485.44	551.822	221.362	629.284	285.464	176.817
ANXA2P1	0.551435	0.249084	0.199581	0.177584	0.107071	0.0586964	0.472208	0.245035	0.104946	0.0865135	0	0.0493208	0	0.072051	0.29701
ANXA2P2	0.0355102	0	0.0294092	0.183295	0.0551721	0.211798	0.0608879	0.0157566	0	0.111602	0.140212	0.0381617	0.263398	0.120755	0.0255777
ANXA2P3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANXA2R	1.27963	0.775086	0.665407	0.602833	1.16423	0.793844	0.751393	0.796061	0.111318	0.573596	1.30009	0.640927	0.365628	0.869429	0.840097
ANXA3	2.56033	1.26117	1.60927	8.18079	0.733203	2.27752	1.51881	1.33473	2.52591	18.078	10.1241	6.92878	46.2996	14.5326	2.50608
ANXA4	7.17605	6.17509	6.44768	11.2912	6.96556	6.43846	6.33532	6.07844	6.88439	6.04279	8.39083	4.83262	5.41139	4.46989	4.86727
ANXA5	33.6363	17.0224	20.6542	66.7759	26.5066	89.2131	34.6205	23.2559	14.8243	64.7424	96.7906	23.0942	88.965	59.2373	90.3555
ANXA6	12.3923	5.43752	7.36319	10.3131	11.1599	23.8054	10.7816	6.53011	2.09017	15.0595	25.2868	2.21147	11.9262	9.02406	26.3221
ANXA7	18.2608	14.0261	15.9524	23.9721	11.0428	26.2259	15.5042	12.7493	18.2829	28.6696	28.7834	20.5165	38.7003	22.4651	17.7057
ANXA8	7.74288	14.3849	11.1601	15.1742	16.8751	19.1467	7.52106	11.487	13.0138	38.43	41.8012	22.8204	17.2545	12.5569	6.5613
ANXA8L1	26.8656	37.2284	29.762	31.5565	47.0296	34.8403	30.7619	25.3017	41.2497	87.8367	82.8786	69.7697	58.9811	32.8639	12.2982
ANXA9	2.70256	5.06182	5.38469	1.17679	11.9831	1.69619	9.89451	2.5033	30.8744	3.28052	6.94678	2.64189	0.769511	1.04112	0.655981
AOAH	0.669764	0.409919	0.471713	2.63958	1.39185	3.02873	0.578703	0.627405	0.0661376	1.23821	2.60541	0.174856	1.30806	0.704826	3.30153
AOAH-IT1	0	0.0194602	0.0334129	0.0416223	0.0627385	0	0.0461152	0	0	0	0.0455945	0	0	0.0211092	0.232016
AOC1	0.881905	0.617245	0.606699	0.76533	0.475861	0.387322	0.487567	0.486759	0.407013	0.104862	0.324867	0.172702	0.670822	0.121295	0.0533275
AOC2	0.509683	0.524444	0.643188	0.284877	0.483079	0.647305	0.621392	0.345481	0.452401	0.40117	0.19504	0.432685	0.161636	0.776572	0.459031

AOC3	7.89455	2.23331	2.80206	1.65214	7.05278	14.1124	8.61126	2.31062	0.508889	3.16638	7.04725	0.972155	2.41028	2.39148	13.0627
AOC4P	0.680908	0.102297	0.21278	0.0257539	0.174022	0.323899	0.487733	0.211605	3.17E-34	0.0304825	0.0437867	0.00904079	0.0249418	0.0682066	0.439816
AOX1	4.2927	2.99732	4.41671	5.46805	0.692311	18.4317	4.36025	3.11037	0.137129	0.529946	0.905632	0.080565	4.19228	1.25786	2.6007
AOX3P-AOX2P	0.00457553	0.0154319	0.018926	0.0377218	0.00710738	0.0545441	0.0156726	0.0203318	0.11145	0.0114855	0.00516521	0.00327392	0.0177127	0.0215224	0
AP1AR	1.63007	1.40997	1.5283	1.17188	0.681243	1.42764	0.948302	1.7384	1.87652	1.80721	2.09864	1.20246	1.58758	1.24749	0.746884
AP1B1	10.7959	10.2699	10.1179	22.109	22.9051	31.5309	14.6412	9.06778	29.3063	20.5092	15.4387	23.314	32.2767	15.8364	11.6941
AP1B1P1	0	0	0.0231506	0.0288387	0	0	0	0	0	0	0	0	0	0	0
AP1G1	8.40825	8.7878	9.47244	12.113	4.36762	9.45332	8.20361	8.41277	11.9775	10.3707	9.15984	8.2602	15.6361	9.20206	7.74602
AP1G2	5.67391	8.79112	7.9838	9.26858	18.0925	8.84622	8.13263	6.47291	11.018	5.32442	5.30583	8.75568	5.5759	5.55559	4.05123
AP1M1	5.45906	4.96206	4.94852	9.79526	6.82599	15.1729	7.02873	3.18278	5.02178	8.88052	11.6368	6.38558	13.5268	6.97609	7.07544
AP1M2	4.46529	5.57212	5.23042	11.2258	8.73666	9.06236	7.02334	4.27273	16.1864	9.75399	9.01092	7.9357	14.6427	6.13386	2.83748
AP1S1	7.14686	8.57021	9.62413	18.9152	19.7238	25.3233	9.88115	4.87003	19.136	16.4265	31.4108	13.882	19.5887	13.8751	5.57759
AP1S2	1.40845	1.15015	1.5004	2.32013	0.764133	3.18707	1.41585	1.89793	1.14792	3.01314	4.70749	0.871956	3.53473	1.88325	3.11032
AP1S3	0.481073	0.438742	0.402715	0.985617	0.249542	0.799748	0.294254	0.473346	0.774216	2.56613	1.84903	1.74569	3.48446	2.3287	0.863602
AP2A1	9.21401	11.9103	12.59	18.1683	19.8888	28.6995	15.7421	9.20885	30.3888	20.3436	22.6325	18.179	30.386	16.3166	14.3444
AP2A2	4.16039	5.29279	5.05776	7.3864	11.6896	10.6529	6.86702	3.98894	4.60679	5.334	6.09374	4.31413	7.57823	5.66069	6.45312
AP2B1	11.4772	7.58082	8.18589	14.3727	5.88864	18.8511	11.1924	7.57683	3.6681	9.79319	13.0061	4.56298	11.465	10.9286	13.5067
AP2M1	29.3795	22.0142	21.8823	53.9743	36.4667	80.5776	30.1348	19.812	32.3111	45.8841	74.0599	27.1033	57.9739	39.5095	33.2856
AP2S1	16.5729	13.347	12.0156	43.2487	36.2934	57.9856	20.3343	12.6949	64.9135	43.1538	76.9603	34.9284	48.2734	27.8177	16.6182
AP3B1	9.35101	7.39437	6.79484	11.7748	5.06077	11.0526	4.84236	7.79223	11.6043	12.2958	9.91739	8.6578	13.4858	8.73184	8.34801
AP3B2	0.194454	0.161031	0.145785	0.22857	0.212382	0.377718	0.145701	0.189016	0.185018	0.0648283	0.075458	0.136963	0.0686113	0.0698707	0.130903
AP3D1	8.87352	8.85951	8.87607	19.3771	20.3633	21.1092	9.78063	6.91067	13.0451	12.0379	7.66176	12.7602	25.3479	13.3872	11.3361
AP3M1	3.54115	3.39088	3.57973	4.906	1.17691	5.29219	2.51194	3.70518	3.0791	4.21056	4.56009	2.57437	5.56547	3.84554	3.75887
AP3M2	1.91702	1.86554	1.97716	3.16477	1.43992	3.63515	1.656	1.49633	0.798721	1.74915	2.39901	1.11901	1.59896	1.74018	2.28217
AP3S1	7.22614	5.62117	5.41885	11.6413	1.73012	12.3501	5.78805	7.89772	9.07399	13.141	19.6084	6.65843	15.4794	7.51961	7.9747
AP3S2	1.29491	1.31199	1.40963	1.14809	1.56144	1.38519	1.40555	1.22062	0.925177	1.45011	1.20417	0.740605	0.764274	1.03407	0.880125

AP4B1	2.05048	1.60217	1.67051	2.22061	1.55069	2.51718	1.27323	1.26539	1.0371	1.00595	1.52596	1.05241	1.36914	1.43951	1.71113
AP4B1-AS1	0.546895	0.396613	0.244635	0.289503	0.216409	0.161498	0.336638	0.564552	0.0392175	0.0204897	0.082669	0.161101	2.77E-33	0.24754	0.555302
AP4E1	2.33751	2.40708	2.53899	3.13328	1.02833	2.47269	1.75718	2.43524	2.46448	3.53344	2.8776	2.77622	5.16298	2.88391	2.11219
AP4M1	1.29521	2.18625	2.06734	4.13388	6.03834	5.31106	2.36803	1.0976	3.7527	3.399	5.33319	2.62988	4.06766	2.45564	2.46437
AP4S1	1.0651	0.932898	1.1385	0.795866	1.13141	0.486183	0.89849	0.962836	0.913816	0.702859	0.826368	0.568307	0.573844	0.696314	0.709617
AP5B1	2.91262	4.60399	5.55642	4.46615	5.65811	6.34955	5.36493	3.05941	4.91913	2.64263	2.86807	2.79716	7.53268	3.77631	2.76676
AP5M1	4.56131	3.47312	3.60022	4.50792	1.38221	4.03671	2.74058	4.25974	3.72469	4.43916	6.179	2.87851	5.15738	3.63064	4.40288
AP5S1	1.90104	1.5702	1.62151	3.07854	3.06302	3.88088	1.96832	1.11233	1.65375	2.20816	3.94551	1.60525	3.39012	2.3142	2.25532
AP5Z1	2.25687	4.33189	4.30048	3.83793	7.57415	6.47411	6.60209	2.93671	2.96128	4.19367	2.919	4.52131	4.57041	2.32191	3.0014
APAF1	1.35473	1.52336	1.63335	1.62482	1.37648	1.93186	0.929706	1.25796	0.515448	1.67474	2.21077	0.670591	1.59614	1.37517	1.92898
APBA1	1.64856	1.81046	1.97737	0.644779	2.21133	1.28101	2.16722	1.30266	0.933242	0.516174	0.777737	0.565899	0.371934	0.420699	0.807688
APBA2	0.176152	0.161663	0.163074	0.674253	0.729668	0.864235	0.325631	0.175186	0.127699	0.694852	0.866435	0.201066	1.46936	1.37878	1.99972
APBA3	1.45851	2.02035	2.12926	3.28236	5.08086	3.64351	1.81221	1.1723	3.19994	2.50358	4.03143	1.91071	3.0514	2.66798	2.29482
APBB1	2.41927	1.63436	1.95374	1.62911	2.67432	4.56682	2.37495	1.16034	0.374146	0.996078	1.49558	0.27019	1.86647	1.74275	3.08833
APBB1IP	1.53585	0.866852	1.32139	2.20679	1.18604	4.09514	1.81371	1.46633	0.106885	1.80648	3.77469	0.144432	1.99883	1.30267	3.34002
APBB2	5.4898	3.2536	3.55183	2.37613	2.33881	3.85818	3.55602	4.12393	2.43454	2.72139	3.84025	2.33551	2.36231	3.0066	4.52255
APBB3	2.42369	3.02796	2.62609	2.75187	5.7139	3.99965	2.09384	1.99195	2.53383	1.70943	2.22758	3.03872	1.52916	2.94261	4.00438
APC	4.38779	3.78046	3.89398	3.22059	1.37132	3.9288	2.72869	3.34473	3.84059	4.02645	3.6876	2.40528	5.3349	3.10726	3.49013
APC2	0.132233	0.306477	0.25462	0.195007	1.04118	0.209659	0.450335	0.307977	0.0416495	0.117321	0.0386055	0.340944	0.242709	0.268102	0.320871
APCDD1	30.4419	38.566	31.6402	18.5249	40.8322	35.5047	42.6682	30.6507	31.7171	30.7022	56.7381	35.9435	16.7968	28.1239	18.4603
APCDD1L	0.32135	0.287142	0.410849	0.0903165	0.417486	0.174125	0.633748	0.384247	0.0498105	0.41066	0.619997	0.242476	1.3307	0.656539	0.763572
APCDD1L-DT	0.0772907	0.0851197	0.118746	0	0.0514539	0.065812	0.113462	0.0588768	0.0134473	0.332598	0.274219	0.189612	0.484428	0.138499	0.142713
APCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APEH	5.92422	6.63865	6.36566	16.6203	13.9991	19.2416	7.30061	4.3104	10.9758	10.7109	11.4809	10.105	18.8623	10.1878	7.09797
APELA	0.0794384	0.148846	0.065717	0.745868	0.260501	1.40542	0.0806224	0.251016	0.096747	0.232641	0.468308	0.0821026	0.335993	0.433632	4.17039
APEX1	18.4789	17.7995	18.1225	33.1403	14.1436	41.9497	15.7386	14.4621	12.9948	16.1414	33.2757	11.7506	20.2003	17.501	13.0548

APEX2	2.64019	3.67788	3.86565	8.32168	6.88098	9.26518	3.39287	2.61145	8.71803	4.88044	6.50957	4.43429	7.93264	5.32323	3.10946
APH1A	24.7876	23.3985	26.5896	30.7434	28.5564	44.847	32.2663	18.589	28.5961	28.2651	51.9291	23.3193	40.1228	22.1096	18.5102
APH1B	1.71655	1.12757	1.26937	0.966951	0.643021	2.25588	1.41163	1.29498	0.430212	1.21924	1.99385	0.552903	1.36391	0.897144	1.51399
API5	10.6772	9.4796	10.3126	17.1304	3.65124	17.3082	7.29244	11.3096	10.9652	11.4519	13.4653	8.17166	17.2634	11.2145	9.1378
APIP	3.04313	2.18683	2.40546	3.80053	0.563025	3.7474	1.72616	1.97305	2.38375	3.04799	6.18295	1.34037	3.274	2.37744	3.14786
APLF	2.15858	2.3408	2.46719	1.86509	0.990026	1.3721	1.10529	1.73133	4.10079	2.48284	2.70148	1.91021	1.30736	1.15331	1.10529
APLN	0.150746	0.214436	0.285046	1.22799	0.412568	2.27377	0.417997	0.159488	0.865502	2.79297	5.63192	0.354406	2.57971	4.77595	1.2577
APLNR	4.57964	1.44418	1.32873	4.65792	6.9097	11.6171	2.72011	1.99521	1.86886	8.31838	21.4678	1.6662	2.70052	6.9902	17.956
APLP1	0.138636	0.129141	0.0917519	0.266689	0.473771	0.157396	0.126633	0.082139	0.225125	0.185603	0.406909	0.132264	0.107337	0.275339	0.517659
APLP2	33.4623	28.1533	30.1188	58.5893	40.4516	94.6291	29.4032	30.3205	40.7107	55.7953	48.0235	33.8496	80.4965	36.1159	34.0443
APMAP	7.54416	5.41217	5.65488	13.7879	9.46882	16.645	6.43646	5.34332	3.97213	8.81478	14.5626	4.14546	11.698	8.01107	9.03861
APOA1	0.070991	0.0256534	0.0293644	0.0548687	0.110273	0.0604479	0.0202638	0	0.0432295	0	0.020035	0.0380969	0	0.0185515	0.203904
APOA1-AS	0.36996	0.792233	0.612114	0.169446	0.638528	0	0.563211	0.219193	0	0.206372	0.185617	0.176477	0.0530436	0.730461	0.708412
APOA2	0	0	0.0404769	0.050422	0.0760024	0.0416617	0	0	0	0.12282	0	0	0	0	0.281068
APOA4	0	0	0	0	0	0.0269945	0	0	0	0	0	0	0	0	0
APOA5	0.0479152	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APOB	0.10489	0.117658	0.014914	0.0692467	0.636448	0.284684	0.153443	0.0961308	1.23553	0.026741	0.0573539	0.102024	0.0232632	0.00599596	0.0141221
APOBEC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APOBEC2	1.06226	0.791602	0.703019	0.204342	0.506016	0.410039	0.889424	0.944046	0.0517484	0.124436	0.143899	0.172283	0	0.399731	0.467831
APOBEC3A	1.01163	0.996668	1.32002	4.14201	0.94418	3.23622	0.850902	0.548882	0.415499	7.0577	4.74882	6.45123	7.32169	2.39097	3.26181
APOBEC3A_B	2.37E-36	5.30E-33	0	4.13E-05	1.78E-33	1.59E-10	0	4.20E-45	4.34E-19	0.00268935	0.0669403	9.91E-08	9.9145	1.76E-10	1.64E-08
APOBEC3B	0.29013	0.30593	0.0848296	1.27009	0.0428783	1.51145	0.273875	0.0761382	0.31814	1.07377	2.65221	0.843051	1.4982	0.353808	1.19986
APOBEC3B-AS1	0	0	0	0	0	0	0	0	0	0.0853318	0.0385489	0.0783352	0.0436172	0.018488	0
APOBEC3C	3.88152	2.97619	3.03843	9.785	5.41344	16.2766	4.97981	3.06011	1.70283	4.68836	12.5092	1.83662	5.34528	3.14114	6.83308
APOBEC3D	0.36741	0.314255	0.505969	0.369982	1.0796	0.906857	0.547497	0.357069	0.0717076	0.102514	0.379264	0.130563	0.297096	0.363795	1.15142
APOBEC3F	0.31694	0.352012	0.339059	0.433105	0.503356	1.40101	0.514111	0.397458	0.0646054	0.169008	0.53818	0.0731112	0.279	0.188958	0.520507

APOBEC3G	0.441452	0.345987	0.292419	0.320341	0.597311	1.97751	0.38692	0.274023	0.0943766	0.392929	1.18403	0.0742843	0.618308	0.314731	1.61658
APOBEC3H	0.121168	0.0194602	0.100239	0.0208112	0.0941077	0.103173	0.0461152	0.107684	0.0245948	0.0506927	0.0227972	0.0144498	0.0521179	0.0422184	0.203014
APOBEC4	0.0749775	0.0963341	0.165404	0.051511	0.0258813	0.0425616	0.104631	0.133268	0	0.0313682	0.0940447	0	0	0.0609568	0.095713
APOBR	0.268538	0.629284	0.822977	1.3711	0.834263	0.836674	0.146335	0.428492	0.0743292	0.497903	0.523615	0.161577	1.03168	0.555018	1.13067
APOC1	1.45178	0.397749	0.494535	2.05347	0.751704	1.6967	0.292516	0.632461	0.104006	1.46485	6.16989	0.0203684	0.220395	0.327309	0.204406
APOC1P1	0	0.0118751	0	0.0253989	0	0	0	0.0219037	0	0	0.111291	0	0	0	0.0357547
APOC2	0.105946	0.153139	0.21896	0.501766	0	0.459536	0.0724938	0.338562	0.0386634	0.199224	0.609239	0.0908613	0.143378	0.033184	0
APOC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APOC4	0	0	0	0	0	0.0320422	0.0859316	0.0334432	0	0	0	0	0	0	0.0540428
APOC4-APOC2	0.0210391	0.0304109	0.0174051	0.0216814	0	8.90E-08	1.60E-08	5.61E-08	4.10E-22	2.11E-21	6.46E-21	9.64E-22	1.52E-21	3.52E-22	1.16E-25
APOD	110.493	28.1727	44.4414	10.8484	8.20786	112.708	56.3088	57.4073	3.06799	2.00501	4.90144	0.923227	1.30818	0.749283	10.4415
APOE	16.533	20.3765	27.0665	19.7166	23.5146	42.4215	12.9406	12.0729	8.93833	10.3653	32.5854	1.87145	3.54886	2.07944	10.153
APOF	0.0411067	0.00660194	0.0226709	0.0141205	0	0.0233345	0	0	0.0166878	0	0	0	0	0.00716138	0.0393562
APOH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APOL1	2.20154	1.57247	1.46787	5.21896	2.89924	8.35952	1.36902	1.4542	0.570801	1.17414	1.78673	0.840304	3.26677	1.43995	4.92386
APOL2	2.62534	2.30024	1.96436	5.3162	4.50664	13.7254	1.78515	1.93193	1.97544	1.88889	2.85042	1.07059	3.39308	1.69111	4.38269
APOL3	3.56829	1.79543	1.66747	2.66482	2.37673	7.55263	1.88236	1.60065	0.446954	0.758238	1.09627	0.206034	1.85053	0.72591	2.68389
APOL4	1.56922	2.01505	1.63173	1.52594	2.61668	3.71841	1.60412	2.17978	0.72155	0.925874	1.553	0.80715	1.45254	0.824975	2.42226
APOL5	0.0161051	0.00775969	0.0266466	0	0.0500336	0	0	0.0143129	0	0	0	0	0	0.0420862	0
APOL6	2.47203	1.77065	1.83544	5.30906	1.5849	9.79761	1.50116	2.34705	0.442008	1.48973	2.25208	0.718628	4.98364	1.51388	4.48768
APOLD1	3.18486	0.896676	1.15072	2.01671	0.946226	5.76683	1.74152	1.11683	1.68822	2.62476	4.08805	1.44145	2.98326	3.20129	4.57387
APOM	0.171891	0.12952	0.0981613	0.0813663	0.08589	0.185975	0.149582	0.136201	0.0819943	0.116079	0.161946	0.0839442	0.0514236	0.0677349	0.057905
APOO	2.11137	1.19507	1.1701	3.50667	0.477624	3.01961	1.17024	1.02018	0.848814	2.16115	4.32727	1.29073	1.82514	2.18556	1.41306
APOOL	2.25812	2.12427	2.11676	2.29018	0.739328	2.17872	1.89181	2.60474	2.74142	2.03917	2.81173	1.72585	3.03392	1.62347	1.42875
APOOP5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APOPT1	2.72359	2.71058	2.42551	3.26686	2.03442	2.64859	2.30254	1.85175	2.71887	3.25961	5.17471	2.08192	2.33339	2.01852	2.07326

APP	57.55	38.832	42.5641	71.501	82.3512	117.248	45.0957	44.1237	47.8761	79.4022	61.6322	50.582	122.608	61.4679	75.7776
APPBP2	3.10878	2.76406	2.96652	2.84039	1.22799	3.16865	2.2159	3.07614	2.88839	3.4817	4.14451	1.89571	2.71107	2.7545	2.94058
APPL1	7.80548	7.51606	8.18629	8.09498	2.29431	7.58274	5.42476	8.37174	8.38086	6.11292	7.07248	5.60515	8.63316	5.17136	4.88425
APPL2	11.0422	13.2918	12.4612	17.1361	9.30257	14.8941	11.9474	9.65752	47.8604	12.9784	16.4978	15.9364	16.7257	10.8567	6.70697
APRT	26.7564	25.1201	20.8299	62.2386	56.0841	70.2043	33.8242	19.9559	48.5477	34.05	58.3377	42.1272	42.0942	32.5546	18.4921
APTR	0.723411	0.613192	0.773457	0.699442	1.51768	0.849054	0.525251	0.593925	0.385668	0.669579	0.598215	0.377776	0.370582	0.748936	0.57728
APTX	4.28575	4.19088	4.16593	5.07908	3.37402	5.66464	3.41421	2.99511	3.78418	3.83869	5.89366	3.50564	5.02124	4.12858	2.92357
AQP1	82.9134	26.6598	32.6555	25.9528	61.7223	129.935	74.1044	30.9871	19.2383	29.0872	51.9436	22.1457	33.8285	45.4856	78.3779
AQP10	0.0258437	0.0435816	0.0748291	0	0.0401442	0	0.0442613	0.0459355	0	0	0.0145872	0.00924594	0.0166742	0.0135071	0
AQP11	0.902933	0.875274	0.800325	0.365553	0.367339	0.347807	0.687294	0.983959	0.130913	0.229353	0.315497	0.376876	0.083224	0.382024	0.571177
AQP12A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AQP12B	0	0	0	0	0	0	0.0237199	0	0	0	0	0	0	0	0
AQP2	0.088607	0.0373557	0.0549765	0.00570701	0.051614	0.0660168	0.0758765	0.123042	0.0472121	0.00695068	0.0375099	0.0356629	0.0142922	0.00868311	0
AQP3	87.7437	230.992	199.225	184.454	246.257	243.631	149.911	105.663	605.399	235.658	302.633	449.904	344.909	175.158	87.0443
AQP4	0	0.00800336	0.00343541	0	0	0	0	0.0258341	0	0	0	0	0	0	0.0178914
AQP4-AS1	0.0585267	0.0800444	0.121898	0.0301445	0.092054	0.0334047	0.0558495	0.0259777	0.0118413	0	0.0219726	0.0279917	0	0.0152991	0.0281208
AQP5	24.4112	17.9022	11.844	6.11595	97.565	31.2489	22.9925	12.4307	296.899	31.7049	69.8878	58.0081	21.1254	8.31115	3.13241
AQP6	0.0610405	0.054619	0.050497	0.00898628	0.0948169	0.170775	0.149344	0.046498	0.0212401	0.0218892	0.00984387	0.199662	0.0281307	0.0273449	0.0125231
AQP7	0.680072	0.203552	0.247205	0.0106187	0.912334	0.307084	0.188239	0.302196	0	0.0129327	0.0348962	0.0368644	0.00664816	0.0269269	0.162778
AQP7P1	0.269275	0.57156	0.439505	0.104998	0.859162	0.396599	0.299139	0.258712	0.115224	0.137014	0.0082156	0.286406	0	0.832997	0.888393
AQP7P3	0.262492	0.252945	0.144768	0	0.543654	0.186257	0.199803	0.0777604	0.159843	0.164727	0	0.500854	0.0282264	0.27438	0.4398
AQP8	0.141548	0.01705	0.102461	0	0.0549681	0.0150658	0.101009	0.125796	0	0	0.0199737	0.0633007	0	0.0369895	0
AQP9	1.50456	4.03263	5.88564	6.82534	1.2214	2.0279	4.5752	3.25211	3.72923	7.0316	10.0371	0.29754	5.3903	0.541357	1.78071
AQR	6.06366	5.65216	5.9095	9.05627	2.21498	7.56043	4.15085	5.50224	9.12149	5.96376	5.77027	5.04282	7.45707	5.70492	4.69104
AR	1.10602	1.13592	1.66302	0.221959	0.364706	0.842631	1.17199	1.45199	0.106343	0.175348	0.376759	0.0944114	0.199057	0.1866	0.657648
ARAF	6.51617	6.35752	6.73671	9.77157	10.0874	13.805	7.53285	5.38348	6.89106	5.26354	8.29099	5.53573	8.40846	6.45947	7.21235

ARAP1	4.87286	6.3629	6.89508	11.6293	19.1369	14.8078	10.7193	3.89245	4.34654	9.05839	6.68853	7.10022	11.3735	7.59063	9.19459
ARAP1-AS2	0.345206	0.636637	0.584366	0.562106	1.27074	0.718526	1.34142	0.535465	0.174885	0.768839	0.108055	1.1456	0.135697	0.841109	1.44085
ARAP2	7.46397	8.50943	7.45535	9.18357	3.55707	5.23713	5.00306	7.0056	18.1479	9.92494	7.71939	11.0441	10.7464	6.7291	3.04348
ARAP3	1.51736	0.91333	0.855038	2.09851	3.50473	3.63636	1.66217	0.742654	0.621348	2.02037	1.67319	1.45391	2.8178	2.88942	4.78775
ARC	0.141308	0.276119	0.435126	0.145622	0.146333	0.287435	0.439205	0.104652	3.2316	0.266033	0.310175	2.60076	0.0759758	0.201046	0.21421
ARCN1	12.9923	12.0259	12.7413	20.6303	6.58097	22.5519	10.6287	11.7003	17.3182	18.9475	21.8698	11.1975	27.0158	16.0243	17.0196
AREG	0.290195	0.266533	0.17255	1.52331	0.662073	1.66791	0.155313	0.314317	5.41183	4.33656	4.49419	4.40594	18.957	6.87711	3.02149
AREL1	5.1429	3.95649	4.28622	5.50139	3.75667	5.44313	5.16833	3.98887	5.37831	4.49707	4.11676	4.0722	6.82556	4.17625	4.23618
ARF1	42.5263	33.5074	36.2621	78.3274	46.7103	93.6222	46.1029	32.6002	76.2253	77.5576	109.164	53.8184	115.182	57.9302	50.4432
ARF3	24.5695	31.6677	25.2243	41.8598	33.7843	52.6942	27.8957	21.2829	50.6178	33.3584	35.6984	32.7865	45.2893	23.8389	20.4568
ARF4	13.4602	10.0548	11.3663	27.9342	6.632	28.3246	12.4375	15.3075	24.5247	36.4756	57.6565	17.3303	44.6323	22.5853	36.1398
ARF4-AS1	0.507709	0.468858	0.490014	0.0872014	0.394323	0.360256	0.483071	0.413608	0.154583	0.318613	0.334332	0.302733	0	0.1769	0
ARF5	25.2124	24.8652	25.3294	42.716	47.3309	57.374	33.1264	17.9967	47.4732	42.0597	78.1862	32.2426	37.9289	28.9918	20.985
ARF6	16.2924	18.0919	16.8757	25.5328	19.5398	24.0234	15.3352	15.0485	49.3875	29.718	29.8465	22.3568	43.5179	20.8195	11.5429
ARFGAP1	2.54154	4.16139	4.38326	5.5712	11.9356	8.76183	4.36505	2.51233	3.59369	4.42665	3.95105	4.4346	6.23957	6.07029	8.97796
ARFGAP2	11.6024	13.0584	13.3929	15.5391	25.0168	18.1602	14.9519	8.63681	18.8865	11.9858	7.83242	11.3262	16.3594	10.8911	7.45673
ARFGAP3	6.1268	4.56972	6.01464	7.34099	2.2841	9.83567	4.01069	4.36326	2.60665	6.52091	11.2783	3.64158	10.1353	6.85687	10.8638
ARFGEF1	8.81198	8.58409	8.57244	8.58915	4.66717	7.86331	5.50058	7.71464	11.4264	9.74529	7.57191	7.07989	10.6021	7.48502	7.3051
ARFGEF2	7.2971	6.654	7.29122	6.90536	5.2183	6.83276	6.88773	6.46222	7.24362	5.40032	4.60477	5.01529	7.0115	5.04161	5.07183
ARFGEF3	1.54733	0.747025	0.961009	0.245195	0.500032	1.43935	1.22869	1.17474	0.119318	0.130772	0.163263	0.10237	0.165552	0.177183	0.299266
ARFIP1	3.17411	3.74221	3.62759	4.42289	2.21483	5.3505	2.87146	3.75693	4.32819	4.29857	7.38474	3.07606	5.08507	3.72978	4.2703
ARFIP2	4.60936	3.61829	3.69371	5.74844	5.29049	6.12292	4.3628	2.96267	5.07135	4.4484	7.28886	3.77173	6.25071	4.09478	3.07648
ARFRP1	3.04651	4.11581	3.89498	9.49881	13.565	8.94654	3.72545	2.50749	2.94083	5.68122	7.08346	4.1182	8.02435	5.808	5.12093
ARG1	22.741	23.0314	14.9991	9.26245	21.1946	22.1168	40.7853	13.5422	389.154	47.1035	128.069	54.6047	3.35367	17.4885	1.44409
ARG2	1.68744	1.47825	1.52136	3.88541	0.995628	2.46987	1.59506	1.79757	29.7582	15.3671	21.6152	9.42537	21.5913	13.6549	2.96622
ARGFX	0.00913842	0.00220152	0	0	0	0	0	0.00406073	0	0	0	0	0	0.00238807	0

ARGFXP2	0.730429	1.25028	1.47885	0.475407	0.865885	0.147304	1.25097	1.04205	0.11705	0.193003	0.021699	0.453873	0.0248036	0.602769	0.386469
ARGLU1	24.4119	23.1738	21.9228	15.9088	28.7018	18.8169	14.7437	14.8002	11.0264	14.9796	20.8438	16.9661	9.59352	19.3142	17.3679
ARHGAP1	17.824	17.5673	16.0398	27.6492	32.2666	47.4923	24.3536	16.8313	45.7219	30.2523	50.8866	29.1641	37.5028	20.6671	29.6967
ARHGAP10	5.36168	3.57581	3.75268	4.16743	2.188	4.94585	3.85638	3.85643	2.41644	3.35522	4.56514	2.22166	3.96259	3.60967	4.74183
ARHGAP11A	0.889042	0.771935	0.567121	1.99891	0.479031	2.07742	0.430657	0.542024	1.11182	1.67585	1.67496	0.858727	2.79714	2.17758	0.866447
ARHGAP11B	0.463703	0.440096	0.425157	0.577032	0.189445	0.530149	0.161954	0.350593	0.190351	0.546438	0.341404	0.461423	0.172701	1.06853	0.426934
ARHGAP12	5.93876	4.36202	5.498	3.2983	1.28868	4.47776	4.0063	5.27789	2.79924	3.1579	3.57724	1.90085	2.8138	2.85745	3.48965
ARHGAP15	1.24991	0.893829	1.22993	1.09825	0.694867	1.31075	0.465687	0.993887	0.192284	1.28804	2.43582	0.216525	0.84039	0.611999	1.85171
ARHGAP17	5.59946	5.65001	6.03994	6.50443	7.57096	11.1137	6.06949	4.54846	6.62674	8.02949	8.9046	6.55489	11.8933	7.11811	9.27286
ARHGAP18	2.96977	1.77506	2.12303	3.74886	1.67468	5.32214	2.39394	2.24545	0.781368	3.51983	6.817	0.880269	2.45805	2.3161	4.24597
ARHGAP19	1.3753	1.42638	1.69817	1.98357	0.898521	1.94928	1.07243	1.50402	0.678493	1.02256	1.44411	0.529464	1.27141	1.0344	1.10712
ARHGAP19-SLIT1	0.48669	0.320865	0.0738968	0.0268545	0.279695	0.0670544	0.374327	0.00060317 2	0.00055343 7	0.0013786	0.318943	0.0783692	0.00117573	0.00054718 9	0.444547
ARHGAP20	0.737963	0.290619	0.264826	0.173628	0.1832	0.898074	0.696379	0.410274	0.147741	0.203007	0.330945	0.236288	0.119576	0.114475	0.27584
ARHGAP21	7.73373	4.84487	5.68463	8.79842	3.0848	9.30172	5.40868	4.85565	3.72426	11.956	6.62345	4.82667	18.0173	9.88809	10.7866
ARHGAP22	0.303388	0.194903	0.157669	0.661375	1.21442	0.556405	0.226491	0.259256	0.0900045	0.663929	0.737664	0.230998	0.639933	0.42487	0.575352
ARHGAP22-IT1	0.263219	0.0585337	0.0670011	0.0834631	0.0314516	0.120684	0.0231181	0.215933	0	0.0508257	0.0228571	0.0724386	0	0.190481	0.145391
ARHGAP23	8.43275	14.5132	16.1632	16.1205	26.4414	27.5704	15.2611	10.35	10.1461	10.1758	5.60909	11.563	22.9261	11.8846	12.3243
ARHGAP24	1.46526	1.0522	1.01291	0.889448	1.85826	2.01674	1.48964	0.899052	1.09027	1.4007	2.38824	0.568738	0.893578	1.14977	2.33491
ARHGAP25	1.04254	0.739426	0.792821	2.89612	1.73007	3.66662	0.791093	0.920766	0.441633	1.66609	2.41958	0.412365	3.22949	1.12698	1.8971
ARHGAP26	1.85506	1.36756	1.36826	1.74297	1.87863	2.87616	1.57421	1.30455	1.23945	1.61794	1.59747	1.11166	1.33355	1.27459	2.16449
ARHGAP26-AS1	0.0473757	0.0913054	0.0979814	0.024411	0.110386	0.0605097	0.027046	0.23157	0	0.237846	0.133703	0.0508479	0	0.0990425	0.374207
ARHGAP26-IT1	0.298235	0.229911	0.197377	0.245872	0.0926525	0	0.136206	0.159028	0	0.0748632	0	0.256074	0.0769679	0.218219	0.256982
ARHGAP27	2.23742	2.56639	2.53078	4.0137	6.00344	4.41983	2.5257	1.98025	4.27804	3.5969	2.15677	3.3748	3.84211	2.46748	1.98016
ARHGAP27P1	3.60212	6.18567	6.3469	4.83188	14.8111	5.50532	5.80573	3.97022	5.8603	5.3614	1.99644	7.0557	3.1911	6.242	5.5594

ARHGAP27P1-BPTFP1-KPNA2P3	5.4531	6.29861	6.54644	3.79795	4.92956	4.50664	5.28003	4.85572	3.97861	4.94337	2.19564	5.82258	1.41009	5.21303	5.6074
ARHGAP27P2	0.309889	0.244324	0.279667	0.348381	0.503244	0.503744	0.17691	0.187775	0.188705	0.0707168	0.127209	0.100788	0.0272644	0.110428	0.141603
ARHGAP28	0.807559	0.63505	0.771915	0.638174	0.46147	1.21492	0.640176	1.16764	0.157974	0.898033	1.79965	0.218557	0.764002	0.461429	3.70161
ARHGAP29	6.00125	3.90806	5.07158	2.41236	1.30471	5.95858	5.75414	5.30707	10.4082	3.1595	5.03548	1.66608	3.17455	3.59509	4.99277
ARHGAP30	5.07837	3.87814	4.21419	4.53278	5.22381	6.2258	5.00415	3.96015	1.61152	3.80072	2.15499	4.46825	4.3429	2.92206	3.48511
ARHGAP31	5.82945	4.37939	5.56902	4.14172	4.86798	6.11498	6.59373	4.96688	3.02126	3.32211	4.54345	1.36305	4.87006	4.07527	8.54049
ARHGAP31-AS1	0.927206	1.0007	1.59546	0.152882	0.633719	0.315801	1.27038	0.988828	0.0903386	0.372396	0.251208	0.185763	0.119646	0.581518	0.585897
ARHGAP32	9.09667	10.9184	9.78738	10.1874	8.48306	8.34944	10.0171	9.73864	15.6762	12.3069	6.08989	13.3147	10.7016	7.83798	5.64432
ARHGAP33	0.573186	1.31244	1.03972	0.644877	2.9488	1.48657	1.99936	1.02815	0.422688	0.561006	0.421477	1.25673	0.227319	0.648615	1.57082
ARHGAP35	9.40772	8.61016	8.40742	8.08761	9.38367	12.4559	8.47898	6.82888	7.03372	6.96433	4.94118	6.81159	11.4458	7.6931	7.31065
ARHGAP36	0	0	0	0.00754018	0	0.00623016	0	0	0	0	0	0	0	0	0
ARHGAP39	0.711418	0.920404	0.715688	0.991093	2.07373	1.922	1.16326	0.585416	0.631102	0.639363	0.292488	1.29145	0.784838	1.00299	0.693738
ARHGAP4	2.28548	1.19047	1.28319	2.31989	5.37315	5.60444	1.48106	1.15281	0.267479	1.36104	1.93695	0.672789	2.02368	1.79713	4.24817
ARHGAP40	1.32106	4.22767	5.39692	1.73956	4.50948	0.534659	4.22709	2.49304	4.70754	0.931384	1.21515	1.94302	0.210455	1.34253	0.257646
ARHGAP42	2.14557	0.941061	1.11274	1.21201	0.830001	1.56595	1.29035	1.47566	0.809875	1.67388	3.17491	0.635393	1.26972	1.01173	2.45778
ARHGAP44	0.644504	0.364875	0.342123	0.365299	0.709138	1.13873	0.637757	0.357988	0.124281	0.256158	0.551736	0.134505	0.145541	0.440706	0.779037
ARHGAP45	1.61544	1.32557	1.55031	1.61589	3.05044	2.79008	1.51491	1.2183	0.46291	1.16181	1.06516	0.702244	1.53968	1.28939	1.98962
ARHGAP5	8.7811	8.0123	7.89429	9.87884	1.73682	6.27269	4.87538	9.13786	9.72013	13.4769	8.85994	7.24345	17.8817	8.44321	6.03886
ARHGAP5-AS1	0.776855	0.853057	0.926639	2.21554	1.45929	2.06136	0.886988	0.915187	1.5402	2.13147	2.10066	1.6288	2.61102	1.10475	0.778369
ARHGAP6	1.36008	0.401529	0.659575	0.226785	0.5716	1.24718	0.897961	0.564287	0.123024	0.294318	0.562016	0.172952	0.230436	0.335622	1.5025
ARHGAP8	0.72138	0.320431	0.495882	1.82657	0.488493	1.87857	0.656342	0.731151	0.288516	1.61776	0.717684	1.51419	2.79622	1.7883	0.76206
ARHGAP9	0.31818	0.387598	0.600937	0.952746	0.969834	1.61533	0.45925	0.410819	0.109672	0.828835	1.76204	0.158937	0.902492	0.684003	1.60362
ARHGDIA	31.6542	28.3873	31.3148	96.0169	67.8687	117.061	46.003	27.5273	46.7285	61.7275	86.26	54.202	137.693	66.2128	50.2317
ARHGDIB	14.721	8.74659	10.8999	24.1776	8.68498	27.7004	10.8416	13.6174	5.77505	13.8424	31.2919	5.98401	20.0382	10.0612	19.0237
ARHGDIG	0	0	0	0.025318	0	0.062758	0	0.021834	0.0299211	0	0.138671	0.0351581	0	0.0385209	0

ARHGEF1	5.97351	7.14674	7.59957	12.6773	21.0968	20.2388	8.04312	5.50655	6.03854	12.8128	5.97401	8.64797	17.3588	9.80968	13.0628
ARHGEF10	4.09172	3.48041	4.50206	3.21905	2.65354	5.30923	4.61145	2.65317	0.926311	1.70504	1.86415	1.63558	3.20678	2.58066	5.56668
ARHGEF10L	6.41089	7.18424	7.80781	7.78794	14.5023	10.3357	9.67088	5.74282	13.1803	5.87225	4.00201	7.297	8.80139	4.44682	4.57298
ARHGEF11	4.56209	4.27316	4.36605	5.54611	5.70361	11.6222	5.94916	3.95888	2.78215	3.45746	3.46243	2.66335	5.56402	4.12428	6.49382
ARHGEF12	20.7118	22.1869	24.2806	20.3419	13.3222	22.9746	19.2265	18.6947	24.1865	21.3475	15.6669	18.2852	28.3482	19.2758	18.7114
ARHGEF15	2.56176	1.2448	1.11374	2.57257	4.0809	6.36287	1.98522	1.67602	0.597434	1.55975	2.17816	0.971103	2.44057	2.87434	6.29346
ARHGEF16	1.08383	0.959941	0.698839	3.18651	1.06461	3.58291	1.56506	0.375373	0.698817	1.74041	0.62975	1.71639	4.22656	2.76565	0.675256
ARHGEF17	3.84284	2.36794	2.55971	2.27112	8.0702	9.27951	4.58207	2.10524	0.965317	2.83797	3.76278	1.4525	2.86114	4.23198	10.0132
ARHGEF18	2.79247	3.35503	3.4114	6.58327	7.0847	6.27789	3.33225	2.5902	7.7036	4.86418	2.86776	3.56774	7.59313	4.59249	3.64265
ARHGEF19	3.10329	6.73847	7.20896	3.13378	8.89852	5.29662	3.29806	4.42625	2.45496	1.33889	1.79853	1.48693	1.14413	2.15773	1.21366
ARHGEF2	3.6939	2.2987	2.62047	4.29885	6.23757	10.3864	3.96166	2.22177	1.56092	4.63625	5.1877	2.0817	7.32912	5.40721	8.25839
ARHGEF25	1.92466	1.08252	1.35176	0.809558	3.48997	4.2743	1.86565	0.851748	0.267888	1.65644	2.68705	0.39347	0.892054	1.77779	5.15581
ARHGEF26	1.84238	3.42515	5.00029	0.722449	1.04912	1.15963	3.47016	2.46174	2.04598	0.332639	0.33779	0.984884	0.303379	0.359695	0.429728
ARHGEF26-AS1	0.537319	0.565453	0.685427	0.432942	0.0968607	0.196291	0.424159	0.559254	0.151886	0.258179	0.0301682	0.270453	0.0804638	0.461306	0.128269
ARHGEF28	4.51624	5.27043	6.05135	3.00136	3.01601	2.55863	4.03183	3.41004	2.82809	4.19545	3.5768	2.99486	3.66872	2.63174	2.16026
ARHGEF3	3.88863	3.39767	3.48102	4.25652	2.83236	4.9255	3.32992	3.22378	3.36344	4.64388	3.54893	3.09385	7.43622	3.14208	3.89667
ARHGEF3-AS1	0.380173	0.251863	0.23588	0.0489725	0.369088	0.161856	0	0.168933	0	0.119289	0	0.272024	0.183964	0.149021	0
ARHGEF33	0.16669	0.149942	0.162124	0.0664951	0.088572	0.148732	0.0670701	0.0994514	0.0654871	0.0463074	0.0733995	0.0461695	1.83E-32	0.0944722	0.167655
ARHGEF34P	3.18736	7.35857	9.00104	7.85922	6.38014	3.94886	11.1494	3.74462	5.93492	3.50894	0.941054	5.1153	7.7828	3.70643	1.34576
ARHGEF35	6.54833	7.42844	8.4886	7.19619	7.63114	4.96289	6.20634	7.20724	9.44779	5.88206	2.80053	4.61274	10.6201	5.17584	1.64436
ARHGEF37	11.6072	13.3877	13.5219	9.95653	16.7886	11.4631	10.298	9.6095	19.617	8.44241	6.03601	8.84306	9.14629	7.09822	2.10417
ARHGEF38	0.326761	0.139132	0.27032	0.0469865	0.0354121	0.213528	0.143161	0.276891	0.00925485	0.0286129	0.00428922	0.00271868	0.0122572	0.00595743	0
ARHGEF38-IT1	0.153265	0.0246152	0.0422639	0	0	0.0435011	0	0.0908063	0	0	0	0	0	0	0
ARHGEF39	0.417146	0.394554	0.569957	0.686485	0.218801	0.742052	0.497017	0.466898	0.130847	0.419368	0.617317	0.220129	0.428747	0.612764	0.333459
ARHGEF4	6.93152	14.6112	10.9907	12.3545	28.2121	10.3473	11.2054	7.20616	22.8758	15.1697	5.85015	25.6858	16.8444	11.4975	4.75027
ARHGEF40	2.60233	2.22527	2.64186	2.62612	7.30455	7.1746	4.19869	1.62041	0.591344	2.78144	3.67894	1.18666	3.04088	3.12049	6.0848

ARHGEF5	5.26342	13.8442	16.2597	17.7428	17.6293	9.42457	13.0597	6.98142	15.0575	8.63649	2.64337	9.65667	14.6361	7.86253	1.83868
ARHGEF6	4.4122	2.06321	2.60225	2.1481	1.42024	3.67478	2.44223	2.49735	0.633385	2.20563	3.92971	0.441146	1.91585	1.44016	3.9874
ARHGEF7	5.31612	4.3948	4.86232	3.56958	3.26743	5.62693	4.53171	3.75527	3.00836	4.16455	4.64573	4.22188	4.20962	4.87702	5.57826
ARHGEF7-AS1	0.055234	0.0798378	0.0913869	0	0	0.047031	0	0	0	0	0	0.118564	0	0.0577354	0.317292
ARHGEF7-AS2	0.161538	0.0269992	0.0321528	0	0.187375	0.0518406	0.0519276	0.0166002	0	0.0279102	0.0843442	0.0447227	0.024103	0.0319138	0.391977
ARHGEF9	3.37263	2.39024	2.78052	1.5654	2.39542	3.29743	2.82769	2.15997	1.33481	1.11014	1.6627	1.03187	1.01481	1.19187	2.0821
ARHGEF9-IT1	0.115715	0.16726	0.0478639	0.059624	0	0	0.26424	0.154257	0	0.145235	0	0.0413987	0	0.0302389	0
ARID1A	7.78979	10.3748	10.3318	10.6566	11.56	14.4611	10.7074	8.63407	8.33451	8.77892	5.75588	8.69326	14.7518	8.67083	9.19304
ARID1B	8.4055	10.2026	9.92803	8.11416	9.38747	10.9629	10.2883	7.33662	11.0391	4.66716	4.34906	5.92506	6.96318	5.12267	5.94768
ARID2	5.42451	5.55558	6.23388	4.42654	1.55359	3.84347	4.08094	5.31442	3.7536	4.19864	3.86254	3.565	3.65951	4.16666	3.32627
ARID3A	0.873012	1.32141	1.09695	1.53622	1.98296	3.18382	0.855723	1.20771	1.48451	2.53256	2.38943	0.960567	2.52937	1.72609	1.18279
ARID3B	0.942183	1.20012	1.03926	0.976527	1.41307	1.40164	1.00157	0.85177	1.37169	1.37963	0.97803	1.1236	2.01582	1.4518	1.22867
ARID3C	0.0747153	0.143996	0.108167	0	0.0580293	0.0795238	0.0426537	0.0332003	0	0.0703315	0.0843442	0.0267304	0	0.00976236	0
ARID4A	3.78899	3.69957	4.11968	2.01639	1.42003	2.43082	1.57024	2.76515	2.30486	2.4407	2.71124	1.49472	1.82638	1.92371	2.24569
ARID4B	4.08618	4.01927	3.98222	3.29375	2.60581	3.59958	1.60084	2.96288	3.2431	4.00708	3.935	2.42594	2.91891	3.51994	3.76845
ARID5A	3.15625	2.45686	2.99086	3.90312	4.4443	10.1846	2.7332	1.66115	1.17815	3.03536	4.60877	1.16145	4.77099	4.23325	9.59534
ARID5B	7.91717	7.77588	9.43522	15.1999	5.60638	23.4657	7.9072	7.52683	10.9086	9.33928	14.9108	6.08225	12.4931	9.67173	19.9852
ARIH1	8.69132	9.59625	10.9528	9.26096	6.27792	10.1063	6.61732	8.92269	11.1057	8.54093	7.5924	6.5973	9.98959	7.90324	8.37396
ARIH2	4.50701	4.13403	4.09674	4.93049	4.61047	6.43956	3.95474	3.15544	4.67127	4.56825	4.52359	3.53983	5.98934	4.80099	4.74003
ARIH2OS	0.556301	0.529111	0.452231	0.495778	0.98402	0.899298	0.872938	0.23287	0.304453	0.44068	0.426757	0.567683	0.424417	0.500977	0.546669
ARL1	7.63335	6.30295	6.72844	7.77822	1.83018	8.67037	5.56039	7.33604	5.87888	8.39764	13.2683	4.3174	7.38079	5.62798	8.09112
ARL10	1.02481	2.09279	2.35811	1.26592	4.65969	1.05754	1.54204	1.20028	1.41341	1.28624	1.63955	1.36943	1.00713	1.68132	1.32556
ARL11	0.141567	0.204627	0.168033	0.551839	0.372877	0.414036	0.154608	0.185984	0.232382	0.432614	0.69483	0.07487	0.274014	0.106158	0.353578
ARL13A	0.120458	0.304703	0.112108	0.0310339	0.0467783	0.0641054	0.275071	0.173962	0.110028	0.0188984	0	0.096965	0.0291447	0.0472176	0.0216242
ARL13B	1.19259	1.20614	1.2379	1.20002	0.611677	1.62381	0.629449	0.869899	0.726222	1.23559	1.82892	0.736602	1.30662	1.11724	1.30069
ARL14	0.0539046	0	0.0148646	0.0925838	0.0279108	0.214196	0	0.0638746	0	0.202968	0.26369	0.205708	0.23186	0.0845187	0.0258046

ARL14EP	2.61795	2.48522	2.34288	3.10907	0.907043	2.95839	1.63344	2.58609	1.90828	3.59117	5.25149	1.0724	2.46142	1.94302	2.4459
ARL14EPL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARL15	3.13725	2.55219	2.14868	2.00505	0.723032	2.47316	2.37029	3.23489	3.85483	3.69221	5.50677	2.5845	2.60075	2.16514	2.52682
ARL16	3.88206	3.90273	3.42767	3.2697	3.90416	5.27612	2.77025	2.27792	2.78825	2.63921	5.73079	3.57899	2.07118	3.68719	2.23363
ARL17A	0.706236	0.892149	0.943389	0.369796	0.558877	0.258402	1.09502	0.837797	0.337422	0.521763	0.311517	0.884965	0.134151	0.522807	0.455854
ARL17B	0.140481	0.163841	0.190964	0.109003	0.228048	0.125884	0.287133	0.107106	0.164206	0.247816	0.203759	0.207293	0.0421087	0.15398	0.0698625
ARL2	12.5835	7.86933	9.31401	15.9251	17.3236	21.6206	14.5239	6.48231	12.3443	11.7532	24.2292	7.65057	11.5464	9.40066	9.86806
ARL2-SNX15	0.101334	0.186261	0.0158684	0.1324	0.0791098	0.0476987	0.128713	0.00923827	0.0660546	0.0410026	0.0143925	0.0136364	0.108867	0.127774	0.00436763
ARL2BP	9.90743	8.64443	8.46052	13.3558	6.6078	16.3278	7.73845	6.92443	11.3279	12.7668	20.7263	7.04172	15.9201	8.82401	12.25
ARL3	1.50543	1.37872	1.70995	1.52061	0.807325	2.01435	1.75978	1.32729	1.40419	1.81449	4.27559	0.765138	0.84025	1.2489	1.21827
ARL4A	5.779	5.08421	4.94275	6.44243	1.81424	5.64509	3.30686	7.07985	9.78436	3.68594	5.61685	2.46846	2.33036	2.27586	2.53054
ARL4C	12.0966	8.03226	6.98147	6.43202	11.0482	13.9445	4.99899	5.9827	10.3905	8.16667	12.4834	2.55905	9.06264	5.71005	8.11035
ARL4D	6.11794	10.9326	9.02318	25.1888	27.1717	19.2584	7.00194	5.86534	50.0228	23.5857	25.796	21.9191	26.6417	12.9655	4.59228
ARL5A	8.96801	9.87684	8.66346	8.17307	7.79332	6.53547	10.0893	14.6744	57.5646	12.264	20.808	11.5953	8.89595	6.54585	6.11449
ARL5B	1.669	1.46097	1.39389	2.9771	0.697609	2.03678	1.66195	2.74292	5.01569	6.00047	5.90397	4.49198	7.03228	4.1617	2.79943
ARL5C	0.0491882	0	0	0	0.0764063	0	0.0561615	0.109286	0	0	0	0.0351955	0	0	0
ARL6	0.479625	0.482373	0.462267	0.499066	0.108498	0.487694	0.313685	0.500741	0.459363	0.374045	0.714906	0.266551	0.498728	0.304215	0.48818
ARL6IP1	13.6293	10.8049	10.7782	22.3809	5.68276	21.9588	9.99216	13.5551	20.9456	25.2768	34.3342	13.7689	31.3833	16.5941	10.5981
ARL6IP4	14.2495	10.5189	10.8979	18.6869	27.8986	28.7108	12.1457	7.3542	15.9533	16.5495	36.7377	10.3198	13.9741	12.9812	10.7827
ARL6IP5	15.8782	8.33681	10.6164	12.6421	6.11541	18.3355	10.0828	13.0577	2.62254	12.1074	23.9894	3.75856	13.2618	9.04894	13.9162
ARL6IP6	2.25407	2.74227	2.91359	2.75675	2.75417	2.65836	2.41092	1.9802	1.65658	1.82915	4.02157	1.66309	2.31102	1.82871	1.53485
ARL8A	9.91238	8.76398	9.83598	11.1291	11.2725	17.6021	11.579	7.7845	11.4449	10.5809	16.3866	7.87558	14.6721	7.87271	7.6089
ARL8B	11.8855	12.1443	11.6926	19.9506	7.84017	14.6227	9.34798	16.7366	31.3677	23.9284	27.1409	15.9326	29.3283	14.1459	9.6313
ARL9	0.34928	0.268015	0.278247	0.613237	0.180851	0.220302	0.369256	0.183947	0.110285	0.1786	0.131431	0.268432	0.217007	0.175788	0.0557345
ARLNC1	0	0.00477954	0.0246192	0	0	0	0	0	0	0	0	0	0.0192007	0.0155537	0
ARMC1	3.27136	2.66488	2.78814	4.35124	0.886321	4.0552	2.41482	3.8201	3.21512	4.16319	5.54805	2.64559	5.09511	3.44734	2.99367

ARMC10	4.99441	5.88418	5.86044	9.23051	3.44906	7.49623	4.14747	5.62331	7.81621	5.40438	7.50635	3.82866	5.99487	5.31094	4.14385
ARMC12	0.207985	0.11843	0.140776	0.136395	0.0293702	0.177096	0.151118	0.168036	0	0.0237311	0.0213445	0.0541159	0.0609958	0.09882	0
ARMC2	0.576099	0.468591	0.532961	0.293651	0.259804	0.7068	0.551679	0.578051	0.0603547	0.310995	0.405591	0.265944	0.21982	0.401459	0.631633
ARMC2-AS1	0.193666	0.155518	0.213619	0.033263	0.100277	0.164904	0.184268	0.2008	0	0.0405117	0.0364374	0.0692865	0	0.168697	0.0463547
ARMC3	0.00559687	0	0	0	0	0	0	0	0.00681636	0	0	0	0	0	0
ARMC4	0.108012	0.0164343	0.0423262	0.0351505	0.097136	0.280754	0.0194724	0.0555745	0	0.0142702	0.0320875	0.0203383	0.0110035	0.038625	0.0898059
ARMC4P1	0	0.0084262	0.0192902	0.00600745	0	0.00496373	0.0332796	0.00518076	0	0	0	0	0.0188058	0	0.00837188
ARMC5	1.45402	2.43286	2.41407	2.86062	8.02349	4.51238	2.23381	1.34466	3.69363	2.63173	1.83874	3.58176	3.86616	2.30992	2.28648
ARMC6	2.37108	2.28899	2.2454	5.5734	6.70892	6.97411	2.73959	1.45589	3.40446	3.99555	5.40526	3.86133	6.85063	4.48727	2.47177
ARMC7	1.27935	1.71883	1.66896	2.04521	2.96816	3.49849	2.16298	1.10053	1.1486	1.52337	2.05524	1.12665	1.40746	1.90306	1.51931
ARMC8	3.44173	2.97485	2.83862	3.11689	1.25285	2.59609	2.24268	2.95986	2.74362	3.32053	3.08076	2.24126	2.972	2.57464	2.22674
ARMC9	0.392417	0.413973	0.445384	0.545257	1.13363	1.3284	0.505868	0.404215	0.160278	0.579676	0.853566	0.264026	0.48015	0.509035	1.79721
ARMCX1	3.07055	1.68332	2.16319	2.41515	3.45503	5.76491	2.46525	1.79352	0.964628	2.26057	5.09529	0.869508	1.8621	2.38736	4.16039
ARMCX2	1.21176	0.775901	0.844173	1.78276	1.98135	3.68597	0.846514	0.779344	0.291274	1.74101	3.56382	0.176832	1.26532	1.19581	3.73237
ARMCX3	3.23935	2.20117	2.6964	3.07669	2.80123	7.37048	2.08952	3.02726	0.691422	3.52921	6.02436	0.755092	2.87863	3.29181	7.29953
ARMCX4	0.628655	0.700401	0.85125	0.340395	0.52018	0.596209	0.610025	0.443711	0.0778609	0.177674	0.233694	0.221098	0.22981	0.253781	0.723574
ARMCX5	2.70756	2.07618	2.22942	2.04888	1.46203	3.07928	1.84721	2.16123	1.48213	1.52474	2.76487	0.918193	2.06443	1.43171	1.62758
ARMCX5-GPRASP2	0.31507	0.381982	0.353608	0.361407	0.286613	0.360548	0.300791	0.271298	0.103406	0.227694	0.310709	0.160746	0.21813	0.241832	0.223813
ARMCX6	2.58207	2.11955	2.17563	3.35077	3.58378	4.98758	2.57962	1.49795	1.06278	2.23553	5.45183	1.17182	1.85104	2.07424	1.9056
ARMH1	0.151082	0.0992642	0.0795365	0.0566162	0.170678	0.315764	0.203865	0.134269	0.0334548	0.0689541	0.217067	0.0393103	0.00886159	0.0358919	0.0788993
ARMH2	0	0.0543273	0.0233198	0	0	0.0240024	0.0321851	0	0	0.10614	0	0	0	0	0.0809655
ARMH3	3.99544	4.75012	4.5518	6.26917	4.30408	5.42984	4.22681	3.47558	5.82819	5.12092	5.14103	4.17116	6.05136	4.48312	4.39261
ARMH4	1.09713	0.982602	0.907625	0.638472	1.47365	1.02212	0.913713	0.573553	0.345836	0.858609	1.66837	0.318629	0.328949	0.398014	2.06684
ARMS2	0.0848767	0.0408949	0	0	0.0878952	0	0.0323032	0	0	0	0	0	0	0.0147868	0.121894
ARMT1	1.28029	1.40936	1.25038	2.68457	0.317645	2.1576	0.690292	1.49338	1.29938	3.24727	6.28297	1.02423	3.44755	2.12823	1.49391
ARNT	7.21259	7.67326	8.43822	6.66186	5.05669	11.1623	7.96091	6.60279	8.42985	6.31127	7.33413	4.76763	7.33778	5.53372	6.97615

ARNT2	0.539934	0.32306	0.420397	0.792804	0.531727	3.49768	0.749445	0.435941	0.10315	0.248037	0.557729	0.118679	0.737709	0.638162	1.19606
ARNTL	3.47547	2.21586	1.58312	3.01539	2.49314	1.73459	1.19116	3.20392	1.90962	0.821278	1.16377	0.746479	0.788608	2.45847	1.16137
ARNTL2	1.69439	2.65732	2.48449	14.9175	2.86859	3.98407	1.99494	2.35896	7.14107	13.1812	8.88296	5.42781	27.6757	7.73748	4.17911
ARNTL2-AS1	0.113865	0.109724	0.164845	0.616041	0.0442179	0	0.162509	0.354178	0.0693374	0.821745	0.0964045	0.325894	0.0734651	0.803396	0
ARPC1A	16.1729	16.4525	16.1194	43.9442	19.1714	37.1198	21.5569	13.8227	50.2857	45.4949	54.0388	29.8017	67.4448	33.2151	16.7321
ARPC1B	12.717	6.86635	8.64849	52.5766	17.9455	53.0382	9.10324	6.65775	6.01012	36.8206	70.6322	13.6493	51.1466	30.1293	28.8521
ARPC2	56.3919	55.9946	54.3042	147.172	46.6586	112.792	51.7379	49.4226	124.444	158.742	211.874	102.396	198.11	109.301	65.1199
ARPC3	29.4085	20.9092	20.3712	72.8233	13.3536	61.0397	15.4717	22.4452	54.6857	69.2487	110.119	41.0593	76.7419	40.5507	34.7711
ARPC4	15.4715	14.0723	14.2191	35.3433	26.7412	39.9329	18.651	10.8763	26.8297	33.9522	55.931	20.517	45.4808	23.085	19.3642
ARPC4-TTLL3	1.06007	1.38655	1.1903	0.613794	2.38457	2.1446	0.539703	1.00204	0.413621	0.593713	0.328943	0.862497	0.15639	0.957182	1.30587
ARPC5	16.9636	13.8022	15.2451	34.4932	12.9596	28.7458	10.9572	15.4013	24.321	35.9541	51.6614	18.3301	42.5183	24.5632	23.8197
ARPC5L	4.7407	4.89585	4.71989	12.9615	6.70746	9.66134	4.46869	3.82938	19.7825	13.3876	14.6237	9.03901	19.9525	8.09572	3.41731
ARPIN	4.62603	5.10971	4.8039	7.76683	8.28375	8.53102	4.91829	4.43088	4.46644	4.01924	4.02045	3.63897	4.25696	4.11659	4.97013
ARPP19	10.1663	8.52582	8.4712	14.5422	2.775	11.4825	7.21692	10.989	15.1046	18.8112	21.4595	10.3026	28.923	13.7854	10.2094
ARPP21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARR3	0.0353599	0.136295	0.204765	0.0182197	0.0823892	0.135488	0.0807456	0.0157125	0	0	0.0199585	0.0885533	0	0.110884	0
ARRB1	4.2612	3.29533	4.16406	5.4757	6.98245	7.84886	4.60896	3.79252	4.10678	3.16264	4.34157	2.7893	4.01582	3.27716	5.70438
ARRB2	4.97147	2.56603	2.18401	9.38673	7.27858	12.1544	4.006	3.87991	4.73241	7.84624	18.5395	2.96026	9.74802	4.87407	8.45271
ARRDC1	4.24173	7.01661	7.08674	11.5617	13.9075	11.2236	6.3102	5.48879	8.59874	7.9944	11.1365	9.46114	13.2382	9.82076	5.3575
ARRDC1-AS1	1.66271	2.10744	2.18098	1.97589	4.81649	2.56369	2.27469	1.58417	1.38648	1.22204	1.53879	1.78992	1.17908	2.16076	2.28029
ARRDC2	3.46556	1.84393	2.24285	2.83443	4.6508	6.11584	2.10853	1.78089	1.95242	3.41264	3.65492	1.4732	3.00157	3.75393	4.74
ARRDC3	13.3581	13.4902	12.7278	19.0172	4.2595	16.8163	9.54051	16.8212	14.4247	13.8898	21.7588	7.8484	10.0763	8.73686	11.0832
ARRDC3-AS1	1.75898	1.43551	1.49455	1.34404	1.56613	1.23655	1.44828	1.21696	0.998664	1.11451	0.918887	0.734653	0.757928	1.04982	0.890022
ARRDC4	7.12444	9.28355	9.73048	46.4501	9.90878	10.7227	5.52909	8.72366	28.0955	51.3874	27.0506	14.8087	57.5353	12.5506	6.86465
ARRDC5	0.0282577	0.0476525	0.0701303	0	0.109735	0.0481221	0.0806593	0.113009	0	0	0.0318994	0.0202191	0.0273476	0.0812279	0.121745
ARSA	1.89328	2.50405	2.63999	4.886	7.22081	6.00543	2.75568	1.95428	3.69711	4.90061	6.02436	4.98895	5.37058	3.57123	4.11316

ARSB	1.21275	0.638462	0.916731	2.59938	1.65512	4.03818	1.43334	1.01237	0.377507	2.66494	5.90921	0.712503	2.92236	2.03111	4.32912
ARSD	2.32379	2.5191	2.34526	3.38774	2.79976	4.41779	2.49951	2.10969	0.990919	1.47911	1.70107	1.28706	1.81498	1.08503	1.76583
ARSD-AS1	0.00275547	0.00034837 9	0.00011075	7.41E-11	1.35E-19	8.07E-09	1.80E-09	0.0090029	8.26E-10	0.00018193 8	6.74E-11	3.52E-16	3.02E-11	3.36E-07	2.89E-06
ARSE	0.0433715	0.0835883	0.078936	0.214539	0.377278	0.28067	0.0297121	0.061672	0.0105643	0.141533	0.332935	0.0248268	0.0671594	0.131474	0.199318
ARSF	0.709365	0.403494	0.513482	0.13199	0.857025	0.0419455	0.202483	0.928126	0.911923	0.0123656	0.011122	0.190339	0	0	0
ARSG	2.26188	2.37956	1.88409	1.10109	1.0646	1.69802	1.99918	1.96504	0.749553	0.57758	1.20077	0.858973	0.349994	0.938867	1.54598
ARSH	0	0.00660194	0.0226709	0	0	0.0116673	0	0.0121774	0.0166878	0	0.0309362	0	0.0088406	0	0
ARSI	0.160412	0.333747	0.295568	0.728863	1.43842	0.658109	0.690986	0.162001	3.09918	3.66976	3.30892	2.17558	4.74674	1.77966	2.5655
ARSJ	0.925721	0.307064	0.32711	0.982745	0.989957	1.08928	0.244322	0.372077	0.24928	3.17618	3.26112	0.951961	2.75227	3.65172	1.89731
ARSK	0.560415	0.5567	0.526575	0.534744	0.171954	0.453621	0.379178	0.608728	0.345474	0.677327	1.1325	0.455447	0.486566	0.495394	0.447126
ART1	0.0176395	0.033996	0.0291853	0.018178	0	0.0450595	0	0.0470296	0	0.0221394	0	0.0252431	0.0227619	0.0276576	0
ART3	0.0267859	0.0258117	0.0443184	0.0552074	0	0.114039	0.107042	0.0595128	0	0.0336191	0.090714	0	0	0.0349988	0
ART4	0.559349	0.10899	0.132695	0.0593379	0.0191661	0.0665388	0.220709	0.190069	0	0.0361344	0.0557148	0.0176572	0.167176	0.0967302	0.0767856
ART5	0	0	0	0.0141289	0.0851876	0.0933934	0.031308	0.0121846	0.0166977	0.0344158	0.232159	0	0	0	0.0590693
ARTN	0.285717	0.137663	0.108334	0.466196	0.610248	0.354789	0.149518	0.158701	0.666944	2.824	1.89491	1.32033	6.5288	2.38302	1.21388
ARV1	3.31747	3.54073	2.60231	3.58221	0.656981	4.37787	2.03726	2.87783	3.89545	3.56658	6.41576	2.08057	4.68164	2.19669	2.29675
ARVCF	1.03788	1.50573	2.03979	0.939565	2.877	2.39245	1.28323	0.642101	0.893895	0.582953	0.459593	0.599029	1.16169	0.872104	1.02937
ARX	0.0161051	0	0.0133233	0	0	0	0	0	0	0	0	0.0115236	0.0103909	0	0
AS-PTPRE	1.37711	0.737234	0.506329	0.729285	1.06956	0.488579	0.87352	1.03688	0.512466	1.10426	0.237506	2.25811	0.345529	1.86931	1.78542
AS3MT	0.534897	0.319893	0.186824	0.138384	0.62006	0.677562	0.573945	0.260133	0.101499	0.12425	0.114918	0.00050782 1	0.00062151 2	0.00401014	0.114152
ASAH1	12.0264	8.85261	10.0585	13.9059	5.0151	15.1137	9.08168	10.9751	13.789	15.3156	29.0747	10.5059	13.4501	8.91258	11.6653
ASAH2	0.136834	0.138722	0.0998806	0.176418	0.011874	0.248823	0.0441882	0.203455	0.0234972	0.15761	0.243873	0.0830475	0.226212	0.10015	0.0825958
ASAH2B	0.709741	0.746173	0.572204	0.968215	0.204564	1.00164	0.54194	0.991899	0.297394	0.629728	0.468774	0.756836	1.40183	0.593013	0.789791
ASAP1	7.13417	4.92699	5.43784	6.28614	3.25833	8.40321	5.90435	6.26256	5.21574	5.74081	7.5438	4.67469	7.37073	6.711	11.6575

ASAP1-IT1	1.74702	1.04981	1.28287	0.930518	0.670807	0.551568	1.45679	1.51771	0.143438	0.837655	0.421024	1.02531	0.139313	1.70302	1.71961
ASAP1-IT2	0.763459	0.768633	0.73528	0.42274	0.548707	0.145539	0.78062	0.658245	0.0555108	0.414751	0.0643171	0.701189	0.0661674	0.702746	1.27643
ASAP2	3.9874	4.09202	5.79019	3.37073	2.28888	3.90534	5.92542	3.50768	1.26705	5.98518	3.44107	3.1775	9.99025	4.98681	6.12169
ASAP3	9.74884	10.863	9.41579	4.64121	20.9182	8.88963	11.5702	8.06459	30.7388	3.81274	7.28656	6.15396	1.67227	2.35386	4.63486
ASB1	2.43524	2.23338	2.24801	1.99728	3.33926	3.62944	2.27422	1.42092	0.7568	1.96034	2.16134	1.13201	2.71544	3.08092	3.52623
ASB10	0	0	0	0	0	0	0	0	0	0	0.0225707	0	0	0	0
ASB11	0	0.074887	0.090006	0.00800859	0	0.0198516	0.106477	0.0345326	0.0378585	0	0	0.0166818	0	0.00406164	0
ASB12	0.0715949	0.0776149	0.133264	0.0368903	0.111212	0.0457216	0.0408724	0.0954414	0.0217986	0	0	0.012807	0	0.0374186	0
ASB13	3.32146	2.61294	2.43411	3.99193	4.69849	7.63544	3.17124	1.99963	3.75407	2.50333	4.51244	2.27044	3.21714	2.17099	2.78153
ASB14	1.04353	0.926922	0.890058	0.346005	0.212982	0.221209	0.454098	1.01174	0.131832	0.367076	0.179222	0.404685	0.176928	0.340724	0.471309
ASB15	0.00763042	0.0183823	0.0189373	0.0235901	0	0	0	0.00678128	0	0.0191539	0.00861379	0.0491379	0	0	0
ASB16	0.473951	0.510128	0.66583	0.417914	0.962404	0.38612	0.544341	0.561957	0.190401	0.237732	0.229554	0.215348	0.145275	0.33594	0.351831
ASB16-AS1	0.832197	1.62047	1.48053	1.27295	1.84261	1.81603	1.28651	0.861301	0.468727	0.508044	0.812295	0.918056	0.37157	0.91382	1.53607
ASB17	0	0	0	0	0	0	0.0238699	0	0	0	0	0	0	0	0
ASB18	0.00820385	0.0197637	0.0067868	0	0	0.00698547	0.00936689	0.0072909	0	0	0	0	0	0.00428769	0
ASB2	0.236154	0.0870101	0.160887	0.28631	0.323672	0.650559	0.483753	0.123455	0.287609	0.78458	1.56032	0.144125	0.179253	0.261369	0.498745
ASB3	1.4408	1.28478	1.52117	1.20615	0.715082	1.14652	1.21677	1.85333	1.70184	1.61657	1.66318	1.22167	0.746469	0.614271	0.461679
ASB4	0.00535471	0.00515996	0.00442979	0	0.0249531	0.00911893	0.00611383	0.0142765	0	0	0	0	0	0	0
ASB5	0	0	0	0	0	0	0.00872367	0.0135805	0	0	0	0	0	0	0
ASB6	3.27831	3.64725	3.66259	3.37747	6.42798	4.40055	3.28616	2.78177	4.20121	2.95884	2.7272	2.55089	4.37565	3.181	2.36294
ASB7	1.75941	1.56066	1.57867	1.99444	1.54168	2.3701	1.49891	1.43933	2.25815	2.19126	2.64312	1.3267	2.60798	1.7047	1.68449
ASB8	4.73055	4.03666	3.98592	4.76006	3.204	6.46923	4.64649	3.56006	4.68468	3.98819	6.12234	2.93466	4.81968	2.83451	3.65989
ASB9	0.281135	0.214554	0.102333	0.231774	0.251606	0.373437	0.218274	0.119928	0.0547826	0.282283	0.875932	0.040232	0.232175	0.217462	0.306847
ASB9P1	0.199386	0.558572	0.648004	0.0733833	0.433517	0.206155	0.569132	0.569565	0.017345	0.125125	0.0482319	0.152857	0.0367551	0.208416	0.184078
ASCC1	2.20692	1.9743	2.01102	3.10934	1.39171	4.67829	1.80523	1.8091	1.78918	2.36477	4.14974	1.53669	2.31649	2.10028	2.27063
ASCC2	6.75516	7.36273	6.25979	12.3935	10.4931	13.0538	7.14185	5.85041	11.8014	10.742	8.22734	9.8842	14.4238	9.0662	6.7226

ASCC3	3.23645	3.44587	3.51326	6.06297	1.57262	4.00388	2.98036	3.60801	4.77851	5.29445	4.88362	4.17911	6.69725	4.2936	4.21586
ASCL1	0	0.004489	0	0	0	0.0317327	0	0	0	0	0	0	0	0	0
ASCL2	1.07642	1.47148	1.42893	3.18596	5.13282	3.93267	1.97215	0.834273	2.04266	1.28818	1.41296	1.10158	1.78471	1.86438	0.233679
ASCL3	0.0356047	0.0686195	0.0589094	0.110075	0.0553064	0.0909508	0.121957	0	0	0	0.0803865	0.0254761	0	0	0
ASCL4	0.0614417	0.0296036	0.00847149	0	0.0159067	0.0174389	0.0233841	0.063705	0	0.0128526	0.02312	0.0073272	0	0	0
ASCL5	0	0.00785259	0.0134828	0.18475	0	0.0832648	0.0186084	0.0144842	0	0.0204556	0	0.0233232	0.105153	0.034072	0
ASDURF	0.064409	0.333054	1.40E-10	3.12E-07	4.27E-10	5.41E-05	0.527884	0.427115	0.395033	0.152048	1.34041	0.00749367	0.732923	0.154987	3.88E-09
ASF1A	3.67262	3.46791	3.58788	3.81327	0.974698	3.27648	2.37057	3.87078	4.15817	3.90303	5.26054	2.33734	3.29237	2.27636	2.33238
ASF1B	0.708597	0.566874	0.82953	4.28493	0.768411	3.79093	1.16015	0.475277	0.618749	1.69482	2.98837	0.927943	4.68397	1.87967	0.825628
ASGR1	0.477335	0.430299	0.611435	0.301492	1.14808	0.708	0.63291	0.314741	0.581341	0.347867	1.51226	0.176282	0.218562	0.281667	0.287473
ASGR2	0.29978	0.25999	0.483599	0.216253	0.325964	0.242496	0.855699	0.439593	0.0730198	0.0376255	0.389177	0.0643503	0.715642	0.094007	0.301366
ASH1L	12.3316	12.2257	12.9624	8.88429	5.74997	11.2623	9.29982	10.5766	6.77433	6.9777	5.51813	7.38275	8.6562	7.92978	8.83275
ASH1L-AS1	1.30721	1.08709	1.17911	0.88821	1.62891	0.896016	1.22799	0.687451	0.16677	0.399486	0.521943	0.503578	0.684383	0.650719	0.852032
ASH2L	5.93821	5.79656	5.50411	8.1425	4.58485	9.52183	4.41067	4.49857	5.53296	5.15647	6.31571	4.35932	7.4409	4.64989	3.88646
ASIC1	0.532642	0.28018	0.262767	0.463294	0.463028	0.936202	0.36266	0.243198	0.0416595	0.245329	0.402696	0.115385	0.113502	0.329461	0.435104
ASIC2	0.0162559	0.0261079	0.00448269	0.0111682	0.0673363	0.0461391	0.00618684	0	0.00659931	0.0204029	0	0	0.0349608	0.0169921	0.0856005
ASIC3	0.360048	0.298765	0.388868	0.24736	0.264104	0.476896	0.742247	0.26665	0.024361	0.112974	0.0564512	0.200374	0.0387168	0.250902	0.315989
ASIC4	0.0717985	0.0614998	0.0659964	0	0.0743519	0.108685	0.0728686	0.0354492	0	0.0400509	0	0.0114164	0.00514711	0.0333556	0.0114569
ASIC5	0	0	0	0	0	0.0232931	0	0	0	0	0	0	0	0.0142974	0
ASIP	0.396285	0.381872	0.786804	0.204192	0.307784	0.404918	0.271479	0.281748	0	0	0	0	0.102272	0.103558	0.227646
ASL	2.92839	1.70577	2.061	4.72938	4.58275	7.20136	2.40785	1.81593	12.2431	5.95202	7.17899	4.38614	7.56458	4.44306	3.09138
ASMT	0.0163094	0.00392906	0.0134923	0.00840366	0.0253341	0.0208309	0.0372431	0.0217417	0	0	0.00920565	0.0116698	0.0210455	0	0
ASMTL	3.02242	2.16202	2.39202	2.41001	4.22508	5.49338	2.66581	2.07011	1.58374	1.56056	2.02408	0.889059	1.45135	1.72484	2.03802
ASMTL-AS1	0.295329	0.550018	0.424476	0.31073	1.2186	0.626835	0.417613	0.417364	0.135463	0.313994	0.0304074	0.429201	0.0548435	0.507776	0.653436
ASNA1	10.4091	8.97824	9.00453	19.9291	13.351	21.4457	11.382	7.18458	22.437	18.193	29.8039	13.5601	20.159	12.0311	8.01821
ASNS	2.2226	2.09433	2.05522	2.08121	1.47697	2.63064	1.63104	1.29592	2.36805	2.89378	2.11795	2.06212	8.77048	3.37831	1.27144

ASNSD1	4.23378	3.34837	3.54087	6.78524	2.10952	5.78181	2.70502	3.5159	6.7658	6.17521	7.54831	3.46925	9.23049	5.12989	3.99481
ASNSP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASPA	0.624223	0.706785	0.839152	0.546787	0.218167	0.996594	0.534538	0.527019	0.152047	0.0391732	0.0880837	0.0334986	0.191304	0.163123	0.112058
ASPDH	0.147291	0.20403	0.182774	0.0379468	0.400388	0.172447	0.210215	0.147262	0	0.0693244	0.0415682	0.0922166	0.0356367	0.115471	0.185087
ASPG	0.692414	0.712467	0.786405	1.99553	1.76829	1.61885	0.723578	0.667509	2.74424	1.3404	1.40432	1.57029	0.810193	1.20833	0.421353
ASPH	6.00487	3.92634	4.45297	4.83908	2.83197	7.22002	3.84856	5.01972	2.92241	5.84244	8.04599	3.64296	5.11108	4.44154	6.10932
ASPHD1	0.219217	0.128255	0.0647685	0.355001	0.0972913	0.319989	0.232417	0.208738	0.0762805	0.334098	0.830788	0.156856	0.67688	0.679251	0.877008
ASPHD2	0.905014	1.5844	2.27164	0.501208	0.495712	0.589597	1.16566	0.771899	0.595159	0.407637	1.01271	0.553972	0.581496	0.247406	0.253253
ASPM	0.446367	0.416819	0.455428	1.73702	0.105655	1.30312	0.485378	0.457143	0.352061	1.59268	2.22913	0.507978	1.64842	2.23738	1.00429
ASPN	4.12186	1.93291	2.23276	0.586543	1.02671	1.38356	5.38749	2.55362	0.894427	18.988	40.5	2.90332	2.90817	15.483	55.3594
ASPRV1	40.4418	64.7242	69.8364	17.9036	188.08	100.57	160.683	40.7757	1272.27	87.114	263.732	106.783	9.08682	9.86451	4.61701
ASPSCR1	2.2366	2.62577	2.65814	2.54295	7.19311	5.23944	3.32098	1.89439	2.18682	1.25202	2.25221	2.07369	1.95793	2.03606	2.27708
ASRGL1	0.746242	0.161337	0.395733	0.354934	0.63903	2.4439	0.284011	0.314594	0.0699106	0.324211	0.702011	0.0342279	0.425917	0.330016	0.659506
ASS1	12.348	7.85008	8.33992	10.0405	7.11979	25.7844	14.2987	5.21984	8.0378	6.46013	8.29859	5.65423	7.36086	7.79527	9.5501
ASTE1	1.76356	1.16285	1.54022	1.176	0.67403	1.36026	1.09419	1.38944	0.240866	0.920623	1.52688	0.61721	0.970324	0.931625	1.06606
ASTL	0.0357146	0.103247	0.0443184	0	0.166431	0.0152053	0.122333	0.0476102	0.108741	0.0672382	0.060476	0.140551	0.115214	0.018666	0
ASTN1	0.00598863	0.0129844	0.0247711	0.0216001	0.0837217	0.140229	0.0307693	0.0133055	0.0145869	0.0150327	0	0.0428502	0.0328426	0.0782479	0.0344017
ASTN2	1.05944	0.881972	0.95441	0.445506	0.732722	0.379268	0.715754	0.910709	0.135862	0.374727	0.243977	0.495163	0.0945871	0.657771	0.907877
ASTN2-AS1	0.0263588	0	0.0218059	0	0	0	0	0.0351383	0	0	0	0	0	0.00688814	0
ASXL1	5.11589	5.08477	5.1752	5.12321	6.07328	8.81193	5.54235	3.66178	3.25629	3.54829	3.72106	3.40443	4.65708	5.15261	7.86961
ASXL2	2.73878	3.9146	3.88025	4.27063	2.68823	4.93951	3.10038	3.17985	3.47779	3.1916	3.3291	3.86019	4.81532	3.53813	3.96162
ASXL3	0.322756	0.333513	0.0486994	0.054389	0.135586	0.176301	0.0533069	0.0649447	0.155749	0.0152865	0.0160406	0.0319541	0.0183357	0.026523	0.00874564
ASZ1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0178211
ATAD1	4.83881	3.73671	4.9431	4.34736	0.978158	5.14017	3.06514	4.78846	3.67312	4.27857	6.15192	2.86944	5.00069	3.72914	4.11375
ATAD2	1.81767	1.56318	1.52091	3.23195	0.69133	3.06357	1.21577	1.40469	1.26643	2.42754	3.02389	1.33631	3.48068	2.4565	1.85177
ATAD2B	4.75292	4.94729	5.19994	3.14747	3.18907	2.43302	3.41977	4.76885	3.43883	3.42392	2.97481	3.83153	2.53128	3.75553	2.87572

ATAD3A	2.91548	2.7826	2.91961	6.74312	7.2222	9.51204	3.28316	1.83583	3.53796	4.54861	3.49608	3.94365	9.89412	6.30454	3.67146
ATAD3B	3.22035	4.20656	3.93766	4.7236	7.75333	4.56215	2.22236	2.69316	2.85917	4.23221	3.05235	5.28762	7.14316	6.54066	3.9247
ATAD3C	0.16137	0.171722	0.235053	0.096258	0.144988	0.225536	0.0925405	0.120156	0.00762144	0.0854307	0.119756	0.0807936	0.116811	0.126848	0.305721
ATAD5	1.07203	0.820261	0.886859	0.962321	0.141388	0.85541	0.577363	1.09954	0.242236	0.600825	0.711652	0.39077	0.885249	0.852768	0.769786
ATAT1	0.133432	0.210937	0.187581	0.158176	0.205911	0.21832	0.173259	0.14416	0.0711624	0.0788099	0.102388	0.144771	0.0557051	0.143121	0.185363
ATCAY	0.0183821	0.00664258	0.0114052	0	0	0.0117391	0.00531037	0.0122524	0	0	0	0	0	0	0
ATE1	3.40807	2.80986	2.66276	3.74934	1.85466	3.83809	2.64938	2.88545	3.24078	3.46624	4.4804	2.68189	4.81702	3.30718	2.92607
ATE1-AS1	0.243355	0.381346	0.404896	0.05408	0.624716	0.933545	0.531855	0.225724	0	0.0610871	0.0379374	0.0693739	0.0339348	0.195291	0.089356
ATF1	2.16187	2.00757	2.06359	3.07522	0.961514	3.76027	1.38185	1.60107	2.20534	2.89889	4.70365	1.52043	3.26055	2.71849	2.74648
ATF2	3.73475	2.81295	2.86474	3.78488	0.903915	3.24103	2.41258	3.16229	1.15601	3.23874	5.4222	1.62113	2.72971	2.984	3.97301
ATF3	1.21853	2.55875	4.26542	1.24636	0.52264	2.45454	2.16999	0.897055	1.30684	4.23434	3.07964	8.44565	7.99103	2.46189	1.4496
ATF4	39.093	33.4225	34.7876	63.4802	49.0907	102.192	30.5434	22.232	65.8989	72.0654	102.316	40.308	98.548	61.4368	43.2223
ATF5	2.95955	3.20731	3.02917	6.43867	6.04675	15.7027	3.26748	3.00931	2.42457	3.50259	7.39421	4.19074	9.75378	5.22098	4.09711
ATF6	5.84188	5.58325	6.08129	6.30401	2.84308	6.83308	6.13993	5.9814	10.1505	6.26051	8.07134	5.33018	7.65272	4.09323	5.35557
ATF6B	2.47928	3.21183	3.05369	4.48538	6.18735	5.40484	4.13632	2.55327	4.71377	3.76407	4.23192	4.0274	4.26097	2.94303	3.10638
ATF7	5.45798	6.46151	6.41585	7.2134	4.48132	10.1743	8.23988	6.56463	2.78507	3.62513	6.23017	4.1536	4.74491	5.05597	7.74716
ATF7IP	7.06254	7.3673	6.87709	8.53237	4.29053	8.63093	5.49299	7.67322	3.97998	4.05908	5.37999	4.00845	6.22211	5.02	6.2647
ATF7IP2	1.40001	2.73665	3.27135	0.99347	0.410139	0.345077	1.83685	1.91542	0.583306	0.269738	0.540674	0.663434	0.261475	0.622589	0.714286
ATG10	1.6421	1.26436	1.33005	1.51723	1.1645	1.26094	1.14932	1.13012	1.9616	1.53848	2.70414	1.46045	0.851708	0.939853	1.11966
ATG101	4.89597	5.73445	5.82229	8.84612	15.9106	10.5044	5.82908	3.19177	13.1022	8.69181	11.8356	6.10751	13.5187	6.66642	3.9088
ATG12	2.51976	2.14226	2.21575	2.83248	0.800805	3.69758	1.96038	2.63294	1.7465	3.51997	5.71632	1.4465	3.61708	2.22154	2.34941
ATG13	4.53491	4.04024	4.32602	7.13846	5.97089	7.09198	5.8037	3.8472	11.7905	6.26305	8.6335	4.80429	7.73599	4.61182	4.52313
ATG14	4.44027	3.57583	3.6289	2.66504	2.80438	3.53154	3.81624	3.48648	2.94157	2.49866	3.67951	2.49981	2.22576	2.20592	3.15335
ATG16L1	3.65627	4.02661	4.41523	3.31244	3.30782	4.88658	3.89937	3.73145	3.46612	3.21903	3.86291	4.03925	4.99025	4.40986	2.84662
ATG16L2	2.7179	7.61595	8.56268	5.08581	20.8076	4.32401	6.32311	3.7957	5.31359	5.65549	2.3415	7.72776	3.01273	5.50576	4.6663
ATG2A	2.7272	4.20272	4.41913	5.70699	10.5202	8.70428	5.94571	3.05949	16.8857	3.98808	3.5214	6.49075	7.08984	3.34037	2.73797

ATG2B	5.95607	5.70655	5.95447	3.36764	2.62512	4.52575	5.11284	6.09636	4.34462	3.37397	3.5882	3.48733	3.40555	2.97561	3.45064
ATG3	5.11987	4.35786	4.40456	6.63206	3.14849	9.5694	3.74771	4.89958	7.02796	7.88691	11.7897	4.6526	9.16145	5.82946	5.86527
ATG4A	1.50193	1.24055	1.09561	1.69265	0.884937	2.11675	0.963022	1.11123	3.10871	2.7394	2.94831	2.04347	2.99305	2.09584	1.85945
ATG4B	4.32983	5.16159	5.7562	6.24027	11.2055	9.14905	5.16255	3.37231	5.90565	4.4117	5.13136	4.49855	5.89125	4.82243	4.50875
ATG4C	0.892078	0.900568	1.0121	1.33081	0.369521	1.40344	0.397718	0.989118	0.631176	0.9597	1.40986	0.516724	0.91542	1.03017	0.988306
ATG4D	5.12879	6.82445	6.28151	5.98231	15.3668	7.9885	5.31341	4.51656	13.6654	6.31144	8.87871	7.16472	8.48736	5.3181	2.63476
ATG5	3.11384	2.07682	2.32851	4.41398	0.98216	3.24768	1.59134	2.29603	1.68915	3.25114	4.76617	1.42049	3.92158	2.97771	2.36286
ATG7	3.42569	3.30887	3.21823	4.26573	4.37181	4.03444	4.0052	2.78818	2.73022	3.04635	3.81773	2.25633	3.4352	2.90081	3.17266
ATG9A	6.71524	7.38432	7.43381	12.2618	13.5256	14.875	9.368	5.63431	14.8155	12.4715	11.0874	10.2468	21.0651	10.0765	8.20907
ATG9B	2.10036	3.26144	3.26905	9.87767	10.2882	4.60047	7.55401	3.36485	11.0768	3.58498	3.85513	7.32822	0.866745	2.66617	0.914129
ATIC	5.98565	5.15799	5.00688	13.63	6.08928	15.2334	6.23829	5.43798	4.61195	5.74248	9.12642	5.0775	11.4066	7.98633	5.05562
ATL1	1.97399	2.19514	2.26664	1.45653	0.968947	1.91614	1.62276	2.11921	2.60604	2.2298	3.11082	0.915263	1.77796	0.788213	1.56487
ATL2	7.53405	7.97388	7.23019	6.91555	2.68094	4.80474	5.12902	6.74772	8.66373	7.17744	6.32725	6.77856	6.45227	5.49874	2.27578
ATL3	13.8883	10.9346	12.4672	18.9752	5.56345	20.3652	12.7932	11.9916	10.6666	19.8241	20.4393	11.012	26.3916	12.942	14.3585
ATM	3.68307	3.32491	3.38437	3.65706	1.20687	3.45302	2.19088	3.34215	0.891688	3.06166	3.86609	1.30029	2.09297	2.55673	4.40626
ATMIN	7.49004	6.10471	5.92167	9.39646	2.99576	7.58071	5.32578	6.26601	18.0644	10.8361	10.9668	8.33748	13.525	6.11327	5.06916
ATN1	14.3237	18.0571	18.7301	18.7924	28.8471	43.8211	22.2025	16.8254	8.72558	9.64273	10.5176	11.8903	19.9775	14.7532	23.571
ATOH1	0	0	0	0.022394	0.0337551	0	0	0	0	0	0	0	0	0	0
ATOH7	0.0609429	0.073408	0.0126041	0.0157008	0.0236663	0.0648651	0.0347913	0.0406207	0	0	0	0.0218031	0.00983001	0.0159257	0
ATOH8	1.15261	0.407001	0.548602	0.402713	1.0117	1.10243	1.48277	0.613906	0.0336516	0.128811	0.155961	0.124274	0.539918	0.303266	0.555545
ATOX1	13.8196	10.6718	7.8305	25.9956	16.0999	25.6702	11.9962	6.30909	46.9761	23.1662	47.9237	23.4339	17.0998	15.0885	11.4866
ATP10A	1.2027	0.679607	0.764506	0.9569	1.39428	1.75449	1.11068	0.597302	0.193864	0.349628	0.324449	0.319547	0.815913	0.580051	1.98758
ATP10B	2.61835	3.23202	3.15297	0.917292	2.95062	1.84662	4.81262	3.70793	12.3717	1.5203	2.19613	4.01402	0.371025	1.26935	0.535928
ATP10D	6.34226	7.91272	6.98594	8.56036	5.05483	8.42996	6.09164	6.36811	10.8525	9.57883	8.90664	9.57668	9.58369	10.5111	5.49034
ATP11A	4.03532	4.66679	5.52202	4.74837	3.34118	7.56417	6.28454	3.89289	2.52413	2.64391	3.01823	2.67417	4.69284	4.11984	4.23006
ATP11A-AS1	0.425593	0.501559	0.68513	0.266708	0.562822	0.230165	0.847091	0.557125	0.0980614	0.223771	0.0194774	0.547319	0.00371068	0.426832	0.412976

ATP11AUN	0	0.00497576	0.0170866	0	0	0.0087934	0.0235823	0	0	0	0	0	0	0	
ATP11B	7.82501	8.70575	10.156	13.8373	4.16951	7.22553	7.07527	10.5114	19.7916	16.9996	15.2507	12.8132	23.1443	13.2242	6.73354
ATP11C	2.22411	1.47984	1.74702	2.48385	1.2563	3.54163	1.33384	1.66287	0.820827	2.05838	3.13755	0.803743	2.56971	2.07493	3.15263
ATP12A	1.08464	0.14334	0.179458	4.10055	0.539141	0.459138	0.700582	5.5247	12.2209	3.32943	3.43536	3.08662	0.203942	0.0583075	0.062307
ATP13A1	3.74338	4.97221	5.02918	9.22752	12.5878	11.7655	5.77854	4.15185	6.64522	5.54026	5.9567	7.59404	10.1091	6.35769	7.04466
ATP13A2	3.75215	4.16771	3.89548	9.43365	9.45893	12.0624	4.5588	2.74405	10.8558	12.8482	7.71477	8.8578	14.4031	8.84724	5.91513
ATP13A3	4.20668	3.17417	4.20377	10.649	1.06945	7.52959	3.04337	4.25779	2.027	9.10491	9.45485	2.62131	19.6387	7.37651	11.2118
ATP13A4	2.47533	3.45256	3.77902	3.36098	3.09843	0.832387	4.70752	3.0145	7.05061	0.565591	1.07907	2.72809	0.155232	0.409075	0.100597
ATP13A4-AS1	0.0934893	0.058869	0.0755181	0.0636787	0.0710372	0.0129857	0.140744	0.150037	0.0569556	0.0194958	0.0361933	0.0333054	0	0.0392204	0
ATP13A5	1.88693	0.60856	1.16852	0.142103	0.0446241	0.360297	0.603527	0.561678	0.0419846	0.00721125	0.012972	0.0164444	0.003707	0.024023	0
ATP13A5-AS1	0.203518	0.0556215	0.0650724	0	0	0.197175	0.0832252	0.0647799	0	0	0	0	0	0	0
ATP1A1	118.407	55.436	55.3744	124.625	60.3881	204.283	66.6787	58.9047	23.0257	52.4366	60.1487	46.2802	96.3615	67.1253	44.7252
ATP1A1-AS1	1.93245	1.21571	1.22424	0.910955	0.919454	1.06917	1.03291	1.16325	0.151402	0.35554	0.45759	0.503851	0.189302	0.557449	0.623366
ATP1A2	1.2892	0.265638	0.31576	0.0611864	0.368912	1.05445	1.66554	0.244987	0.0361553	0.14904	0.105326	0.145434	0.062934	0.10861	1.25466
ATP1A3	0.037418	0.0270429	0.0309548	0.0385604	0.0968719	0.0690321	0.0783249	0.049881	0.0151903	0.0156545	0.00704005	0.0178491	0.0160946	0	0.0447809
ATP1A4	0.00593428	0	0	0	0	0	0.0136187	0	0	0.00734435	0	0.0128702	0	0	0
ATP1B1	27.2458	7.07385	9.8748	8.33225	4.52633	18.6543	11.8243	19.2725	21.7144	7.14501	9.28782	4.15159	7.65789	3.05218	2.62646
ATP1B2	0.630017	0.603874	0.781791	0.172673	1.21809	2.67085	0.948907	0.416951	0.24488	0.328071	0.968456	0.17744	0.0778373	0.238198	2.40634
ATP1B3	69.5023	61.4022	47.5662	68.7074	29.127	64.7171	38.1804	36.4297	75.3449	65.7192	71.8902	57.0809	85.9935	54.2483	29.5045
ATP1B4	0.0145462	0.0023362	0	0	0.0150635	0.00825728	0.00553614	0.00861832	0	0.0121713	0	0.00693881	0	0.00253417	0
ATP23	0.605443	0.7074	0.738776	0.951487	0.352673	1.03105	0.691275	0.874359	0.27651	1.13984	1.77702	0.487362	0.898446	0.498379	0.23911
ATP2A1	0.335407	0.298346	0.288144	0.146235	0.430829	0.32404	0.471331	0.315278	0.0471332	0.0809557	0.0291256	0.124611	0.0124848	0.0741646	0.277896
ATP2A1-AS1	0.118886	0.133655	0.196701	0.24503	0	0.168716	0.633452	0.140874	0.193052	0.0994757	0.536828	0.0850658	0	0.248539	0
ATP2A2	18.124	16.5969	16.3826	38.6839	21.1958	45.9908	17.5183	15.6244	34.9524	32.0089	25.802	25.9307	67.5509	29.6123	33.0404
ATP2A3	6.01198	2.37167	3.0727	1.61113	9.30921	7.2087	5.32269	2.88409	0.461587	1.71844	1.88789	1.00679	2.82129	1.83971	3.59239
ATP2B1	3.80879	4.87344	6.72429	5.2116	1.24445	5.30098	2.81276	5.89181	2.77263	7.12656	6.50419	4.13934	7.9044	7.31882	7.45447

ATP2B1-AS1	0.409133	0.386815	0.325692	0.2307	0.57557	0.631013	0.449507	0.425348	0.150424	0.687902	0.949864	0.0994231	0.333699	0.31066	0.576481
ATP2B2	0.0959986	0.0569275	0.0753442	0.0101466	0.0420592	0.0419188	0.17987	0.041564	0.00299783	0.0123578	0.0194511	0.0123289	0.0174696	0.0192973	0.0848407
ATP2B2-IT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATP2B3	0.00704078	0.0152656	0.0349478	0.00362787	0.00546838	0.00599513	0.0200973	0.00938589	0	0	0	0.00251893	0	0.0110395	0.0202229
ATP2B4	18.8841	27.339	29.9595	20.0859	22.2061	25.6667	34.2016	19.0968	18.2518	25.8371	16.6449	19.7801	37.7641	17.4249	23.6121
ATP2C1	7.91052	8.36777	8.50883	10.1254	6.93371	9.6339	5.73268	8.77132	17.9294	9.65866	9.27155	8.19262	9.68487	7.62402	5.66528
ATP2C2	2.94462	5.42328	5.98755	3.56896	8.54708	5.78046	6.42501	5.2157	14.6045	5.2588	7.26823	6.173	3.22909	5.21359	1.59865
ATP2C2-AS1	1.07177	1.53331	1.35726	0.831758	3.16354	0.724218	1.12579	1.28845	1.0039	1.6806	0.441916	1.77371	0.387923	2.40056	0.907121
ATP4A	0	0.0156655	0.00537948	0	0.0303027	0.0110739	0.00742455	0	0	0	0.00734072	0.0186114	0	0.0101958	0
ATP4B	0.0463789	0.0148974	0.0255786	0	0.0240141	0.0658183	0.0176513	0.0274784	0	0	0	0.0221235	0	0.0242396	0
ATP5F1A	57.8983	39.0774	42.8338	71.0195	40.584	81.9462	47.0798	37.1034	57.5223	59.3004	80.9264	44.8511	73.7374	54.1668	34.1265
ATP5F1B	93.0745	63.6006	66.7757	138.426	65.949	155.595	82.971	58.9352	113.92	107.582	161.744	72.0872	136.695	96.4102	56.9689
ATP5F1C	31.3968	20.6171	20.9752	44.6869	9.44737	35.1579	19.1191	21.1294	30.1333	44.4627	81.5175	21.6886	35.6604	30.7858	18.2063
ATP5F1D	20.8659	16.0543	16.3968	37.8817	54.7538	61.0174	23.7445	11.9978	29.9119	28.0262	48.1592	25.6373	33.8815	24.4219	15.1499
ATP5F1E	61.7442	34.8332	35.1164	108.208	17.7896	68.012	23.3972	29.2961	55.8953	127.835	266.86	60.9642	70.8694	69.9925	39.6053
ATP5IF1	7.34566	8.35288	7.70794	10.9646	9.26274	11.3424	7.53597	6.02605	17.2334	12.2525	20.2353	8.51632	8.82724	7.99882	4.98977
ATP5MC1	17.9484	13.2911	11.6771	30.8639	16.0269	33.6467	16.6479	10.7932	15.0527	17.1764	36.8025	14.5856	16.5729	18.7051	9.36378
ATP5MC2	17.6486	12.761	13.6853	26.7113	16.1504	30.6763	18.4086	13.4452	18.55	13.62	36.7294	14.3213	10.4191	13.2332	10.4387
ATP5MC3	8.38794	4.93488	5.14103	16.2057	3.95419	14.2447	6.45043	5.23937	7.54419	10.953	20.2431	7.16689	11.5784	10.206	5.26896
ATP5MD	15.7487	10.2381	9.25081	28.475	1.77328	13.4761	6.20531	9.08481	24.3939	32.2706	51.6369	16.4666	24.2557	21.7503	8.56991
ATP5ME	39.2481	22.3013	17.9916	54.1679	27.9713	50.9119	18.6054	19.2716	42.626	50.0562	108.01	32.9375	32.7679	30.9184	19.5776
ATP5MF	24.8888	23.206	20.5111	63.8244	18.1815	51.6615	22.1151	21.712	33.7523	53.1313	103.832	40.8379	55.0425	41.0136	20.277
ATP5MF-PTCD1	0.32648	0.191714	0.455281	0.307403	0.302675	0.855612	0.371248	0.38522	0.0798406	0.36009	0.150234	0.454702	0.344025	0.288184	0.374262
ATP5MG	24.158	14.9104	14.3831	27.467	14.7311	30.1616	16.2039	14.2981	33.7982	32.7011	64.3458	20.9646	23.4443	20.5918	14.3841
ATP5MGL	0.260685	0.404718	0.5032	0.0895479	0.809868	0.0986533	0.363785	0.411867	0	0.145416	0	0.186527	0.0560643	0.227076	0.249585
ATP5MPL	14.9763	11.0781	10.6433	21.2602	5.11329	19.7701	8.89406	9.29004	20.0453	26.7444	56.1948	15.4087	15.5801	14.8403	7.93919

ATP5PB	17.5525	12.7708	12.6989	28.3084	4.22629	26.1456	11.6427	11.9019	22.0233	29.0607	50.672	17.1586	32.108	19.9693	14.1425
ATP5PD	45.1323	32.0898	33.7664	96.3205	32.0767	93.748	30.4172	27.1809	82.8337	87.1879	143.479	61.2867	70.1938	58.5721	33.0761
ATP5PF	6.79584	4.8543	3.81912	12.2322	3.00737	10.5945	3.57182	4.42771	9.35618	9.67789	19.7327	7.11478	9.42827	7.37018	4.93667
ATP5PO	42.9841	25.262	26.2955	50.8357	15.1647	61.6363	27.1452	23.0939	43.8871	51.4988	108.165	30.3659	41.4607	39.9934	23.5458
ATP5S	2.32806	2.24849	2.36365	2.02836	1.5287	1.75705	2.1869	1.97494	2.33269	1.48754	2.47279	1.40835	1.29723	1.46563	1.04861
ATP6AP1	14.4589	15.9242	13.9307	18.8298	27.4412	27.2694	22.9763	12.3993	53.1769	22.7396	32.2465	25.3596	25.6471	14.2901	15.9693
ATP6AP1L	0.557849	0.515367	0.461492	0.385011	0.270294	0.679818	0.298015	0.559446	0.205689	0.231245	0.363979	0.223381	0.0495304	0.197937	0.690893
ATP6AP2	18.5394	13.6864	14.7823	29.1326	10.9119	32.5207	15.9375	20.7596	39.0667	27.3064	37.0712	18.3569	30.3916	16.4205	20.2911
ATP6V0A1	8.78786	10.9709	12.2714	12.4323	13.3567	14.2123	15.152	9.68803	23.1522	14.1639	10.1965	15.7756	16.5179	10.1421	7.62812
ATP6V0A2	3.06758	2.95601	3.53787	1.80121	1.75322	2.929	3.21968	2.83312	3.15855	1.80738	3.07548	1.8481	2.31704	2.0723	2.2205
ATP6V0A4	3.74573	1.15013	1.6233	0.142089	1.84253	1.30777	1.85177	1.99121	0.00839608	0.0173053	0	0.00986564	0.0177918	0.039634	0.0297018
ATP6V0B	8.98639	7.69984	8.21188	15.5461	10.8473	16.9138	10.0048	6.45473	23.252	20.0011	37.217	11.699	21.6465	12.6803	7.42512
ATP6V0C	42.4127	43.7061	42.6295	84.9563	55.6317	106.552	72.8115	43.4081	145.029	80.9591	130.444	91.7528	146.972	60.9782	36.287
ATP6V0CP3	0.0373878	0.018014	0	0	0.116152	0.0955057	0.0853764	0	0	0	0	0	0.0723673	0.039081	0
ATP6V0D1	17.4751	15.7512	15.2247	37.9308	26.908	36.8514	21.8987	15.358	46.0422	35.726	44.5387	35.935	47.9158	24.1187	16.2599
ATP6V0D2	0.01953	0.00470493	0.0323132	0.0100631	0	0.0498886	0.0222987	0	0	0.28189	0.82676	0.0279485	0.037802	0.0255181	0.0701189
ATP6V0E1	22.1722	18.104	19.5797	49.7813	16.5073	46.3158	23.5179	18.189	48.6378	61.6506	105.835	30.9035	55.8164	31.8023	27.5839
ATP6V0E2	1.79249	1.34487	1.51507	0.621571	1.67598	2.81989	2.39568	1.24736	0.211317	0.528315	1.01589	0.195095	0.238934	0.233188	0.355977
ATP6V0E2-AS1	0.105985	0.0841954	0.145628	0.0388556	0.274269	0.290118	0.138219	0.0879861	0.0367359	0.00997992	0.0943494	0.0269786	0.0154679	0.0472945	0.162445
ATP6V1A	10.7729	9.15263	8.35352	13.6669	6.39461	15.4842	9.78602	10.1696	24.3318	17.2144	22.0188	13.8699	18.8752	9.65697	9.27694
ATP6V1B1	12.2459	2.55333	3.4855	0.418198	4.95019	5.07132	6.05067	4.78391	0.0436085	0	0.148211	0.0512413	0.0616061	0.174665	0.342819
ATP6V1B1-AS1	1.49547	0.413425	0.425908	0	0.456981	0.104375	0.755771	0.566481	0	0	0	0.0526254	0	0.0896917	0
ATP6V1B2	15.4642	14.5831	13.6296	28.7464	12.8727	35.476	16.5541	13.7703	52.4823	38.1408	38.2443	26.8629	42.2397	19.7527	15.8211
ATP6V1C1	3.86259	2.77398	3.18869	4.67459	1.0399	6.06658	2.50157	3.54092	2.24833	3.98733	5.44131	1.82317	5.09419	3.38863	3.71753
ATP6V1C2	8.75104	11.2881	12.937	12.6124	9.62961	7.91933	10.2206	11.118	37.5683	4.48369	9.2608	12.2301	0.516382	2.17061	0.478631
ATP6V1D	7.06081	8.25496	6.8483	25.8701	8.51951	11.0751	5.85249	7.4253	38.2363	37.2817	40.7508	21.5842	33.7991	21.1572	9.86416

ATP6V1E1	19.2227	15.8409	17.0062	27.6012	13.3562	33.5638	14.5003	13.7314	39.1785	30.5771	42.6376	20.8964	33.2647	17.6912	14.5484
ATP6V1E2	0.523664	0.74992	0.577616	0.689554	1.06198	1.25098	0.680945	0.374897	0.726343	0.474682	0.394101	0.156123	0.506798	0.311702	0.292463
ATP6V1F	19.9705	17.7565	18.8644	32.7239	26.4009	37.7714	25.3245	13.5188	62.3738	49.5614	77.0025	40.5377	39.2757	25.9827	16.3131
ATP6V1FNB	0.293329	0.248049	0.406088	0.289946	0.576525	0.805367	0.375923	0.266006	0.415567	0.638641	0.223007	0.316969	0.247189	0.497464	0.361078
ATP6V1G1	15.874	10.8461	11.9437	24.6786	11.5368	20.9537	8.44715	13.4692	21.8522	25.0983	43.9157	15.5624	23.9409	13.3494	11.1613
ATP6V1G2	0.0104129	0.0110671	0.0106463	0.00652865	0.0128212	0.0176643	0.0282584	0.0146637	0	0.00776586	0.0395807	0.00295151	0	0.00323382	0.0210081
ATP6V1G2-DDX39B	0.0750752	0.0675001	0.144904	0.0848285	0.0882279	0.0889046	0.0793691	0.0588293	0.0590703	0.0430878	0.0447279	0.0563192	0.0496873	0.0331743	0.0815149
ATP6V1G3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATP6V1H	5.80299	5.56349	5.78687	8.78237	6.1063	7.52502	5.33204	5.05215	16.2706	8.73015	9.52041	7.98708	10.088	5.63325	4.37208
ATP7A	3.0092	4.71042	5.51082	2.61453	1.65647	2.7749	4.25681	4.33109	10.7504	2.53721	3.3756	2.58035	1.41807	1.81098	1.67175
ATP7B	0.634247	0.446632	0.487216	0.391448	0.682065	0.821948	0.437681	0.384036	0.386221	0.336789	0.417003	0.423899	0.636303	0.582831	0.845798
ATP8A1	0.749055	0.503934	0.60131	0.566077	0.271493	0.689782	0.91543	0.734731	0.125014	0.292489	0.479168	0.0714626	0.415269	0.198645	1.46221
ATP8A2	0.0286247	0.0494206	0.0453873	0.0786629	0.0741067	0.0974941	0.043577	0.0360389	0.0290514	0.0538904	0.13464	0.0136545	0.035398	0.0336611	0.0650887
ATP8B1	4.57779	4.05571	4.69239	4.90729	3.10499	5.32132	3.08923	4.47398	3.15307	4.27691	4.76809	3.18825	5.19695	4.03532	4.33583
ATP8B2	4.29963	2.42722	3.03146	2.61842	4.79094	10.6144	4.63247	2.4441	0.572388	3.71439	5.55424	1.09556	4.04388	4.54233	12.7662
ATP8B3	0.0413269	0.0975684	0.0717959	0.102213	0.224682	0.0738975	0.0754971	0.0734558	0.0402652	0.0778042	0.130628	0.0798403	0.0506614	0.168474	0.207727
ATP8B4	0.841709	0.420708	0.527121	1.03359	0.201618	2.1702	0.467045	0.782997	0.0910141	0.888587	1.45636	0.106944	0.309598	0.639313	2.30463
ATP8B5P	0.0367009	0.030341	0.0173341	0	0	0.00446039	0.0239577	0.0186559	0.00639647	0	0	0.0112998	0.00680452	0.0137488	0.030159
ATP9A	4.78832	4.11969	3.95873	6.74309	7.07003	8.79298	4.11856	3.43783	7.5142	7.60662	5.03523	6.38307	11.8874	4.08634	5.5205
ATP9B	4.01938	3.71545	3.60384	3.65026	3.22715	4.51019	3.98552	3.39744	2.66697	3.37687	2.74145	2.63827	2.88614	2.9909	3.15833
ATPAF1	4.36622	3.78251	3.29175	4.84305	3.3577	4.97228	2.73817	2.84812	4.75436	4.30574	7.41762	2.97794	4.62802	3.28805	2.62555
ATPAF2	3.02709	2.67271	2.92365	3.90322	3.79875	3.18699	3.4392	2.62396	3.88642	2.50792	4.74705	2.48605	3.80029	2.71215	2.56982
ATR	3.59586	2.68938	2.72415	3.97157	0.923673	2.80389	2.23216	3.2156	1.35274	2.21433	2.65975	2.12939	2.43764	3.11374	2.67068
ATRAID	14.1745	11.7501	13.1741	16.5526	12.2745	24.8664	14.1555	9.59936	9.45443	14.4694	32.0258	8.45463	10.9623	10.3505	10.4906
ATRIP	0.973355	0.795847	1.12901	1.26367	1.12025	1.59528	0.829916	0.456054	1.34655	0.774345	1.46949	1.12041	1.7081	1.18159	0.393354
ATRIP-TREX1	0.620327	1.09106	0.678641	1.37682	1.38771	1.0333	0.742016	0.556538	0.559078	0.489079	0.380659	0.653325	0.37342	0.95609	1.42297

ATRN	5.72201	5.35978	5.39127	5.64427	4.55865	10.3808	5.93676	4.792	5.94279	5.52826	6.57512	4.53243	6.57883	4.9542	5.42092
ATRN1	0.0507634	0.101503	0.0188978	0.0993951	0.0788531	0.172898	0.060858	0.0383472	1.37868	0.143355	0.137533	0.404997	0.221078	0.0822467	0.0437416
ATRX	5.70334	5.31083	5.58676	4.61683	1.57638	5.3604	2.26558	3.87697	2.53221	3.8211	4.02835	2.45589	4.49826	3.88747	5.6728
ATXN1	3.22882	3.19339	3.51295	3.75725	3.14529	4.57173	3.37418	3.36772	2.85872	5.74168	4.77692	4.40687	7.29762	4.21687	5.97724
ATXN10	6.15068	4.66785	4.53054	9.1674	4.00515	9.47411	4.74518	5.27473	5.59483	7.82427	11.2426	4.91815	7.9502	6.67247	7.26611
ATXN1L	6.2333	5.64886	6.31469	5.87016	5.72561	10.1629	7.30128	5.50574	5.87945	4.71837	4.5155	3.83644	8.25546	5.24254	5.74029
ATXN2	3.29439	3.71845	4.30045	3.2951	2.15981	4.6037	3.78356	3.41429	2.37782	2.92477	2.90952	2.79054	3.66338	3.34232	4.06323
ATXN2-AS	0.430346	0.0691158	0.0791139	0.049276	0.0742751	0.325719	0.054595	0.16998	0	0	0.593764	0.171069	0.0925523	0.0999634	0.20601
ATXN2L	8.66158	12.7365	13.6355	18.4928	17.9581	24.4479	15.7709	10.7713	11.8151	11.2976	11.3525	13.7821	21.8087	14.2636	15.8231
ATXN3	2.98113	3.26804	3.13415	2.50624	1.34048	2.18213	2.69838	3.3495	2.98178	2.01442	2.63839	1.7799	2.53714	1.75796	2.52558
ATXN3L	0	0	0	0	0	0	0	0.0117462	0	0	0	0	0	0.0138156	0.0569441
ATXN7	5.98574	5.54859	5.87794	3.8101	3.27287	4.66199	6.04409	5.95391	4.39791	3.29692	3.27093	4.10688	4.23698	4.27625	4.52783
ATXN7L1	1.34473	1.69719	1.56778	1.19876	1.1923	1.80113	1.52858	1.58111	0.70292	0.545166	0.72879	0.898329	0.493311	0.735467	0.991238
ATXN7L2	0.525032	0.634428	0.696327	1.07353	1.19097	1.51857	0.780255	0.562887	0.710477	0.491611	0.856116	0.995836	0.77428	1.00615	0.813853
ATXN7L3	7.63957	8.40559	8.56238	15.9824	18.1876	18.1383	8.10501	5.71673	26.7669	16.4615	12.7882	12.824	24.4873	14.2019	9.55557
ATXN7L3B	10.7356	11.2052	12.1883	14.1012	8.24038	15.9703	11.4466	9.61908	9.5381	8.44112	11.5869	5.97256	14.8385	8.42288	8.90936
ATXN8OS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AUH	3.04276	2.80785	2.46386	2.64405	3.84525	3.0849	1.88427	2.70416	2.08841	1.48875	2.67806	1.46683	1.54725	1.86656	2.25896
AUNIP	0.370205	0.27321	0.175314	0.563257	0.230835	0.481599	0.188272	0.215764	0.163885	0.458382	0.718339	0.292507	0.905494	0.604356	0.317457
AUP1	10.6944	10.9697	11.4776	23.2754	20.9082	20.0639	15.3577	9.21081	20.5991	22.0591	34.4415	17.7938	33.4319	21.4447	14.597
AURKA	0.455889	0.426388	0.229244	2.33803	0.20828	2.36715	0.398044	0.349546	0.348374	1.86241	2.57195	0.741946	3.40276	2.36866	0.795927
AURKAIP1	10.9561	9.42997	9.56446	22.7684	28.0197	30.0484	11.6339	6.84988	23.8608	20.614	40.3165	14.697	25.6588	17.7058	10.1419
AURKAP1	1.0239	0.964893	0.7723	0.654727	0.584729	0.487201	1.16905	0.843045	0.220057	0.642547	0.427067	0.732625	0.204013	1.66048	1.53532
AURKB	0.380893	0.433107	0.34031	3.56409	0.970319	4.06056	0.991552	0.406207	0.500996	1.37681	2.92387	1.27548	3.27339	1.86331	0.700173
AURKC	0.53366	0.179988	0.309037	0.329971	0.303951	0.530139	0.162484	0.395227	0.173317	0.446532	0.441786	0.330935	0.275452	0.371885	0.178827
AUTS2	5.4075	5.27302	4.6402	3.88414	7.08618	8.334	6.3062	5.80682	3.06559	1.74961	2.90864	2.97812	2.90494	2.85388	4.74399

AVEN	3.25	2.92059	2.62611	6.60498	4.79009	4.32477	2.51986	1.96138	5.19161	8.84119	8.49808	4.51032	10.3674	6.04383	2.51823
AVIL	0.654399	1.0163	1.0258	0.701514	1.24873	0.614184	0.450108	0.822975	0.425002	0.487516	0.227198	0.456665	0.22535	0.643201	0.669887
AVL9	3.94785	2.96981	3.17002	3.81038	2.00793	3.90525	2.84267	3.36233	2.66043	2.90331	3.63409	2.31346	4.90876	3.28575	3.32542
AVP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVPI1	8.29625	7.46583	6.79447	5.48266	14.4365	9.88132	11.8642	5.33399	49.9323	9.20236	21.5649	14.5014	10.3836	5.89138	2.81745
AVPR1A	0.880683	0.310413	0.295826	0.283235	0.449881	1.45952	0.492645	0.546299	0.0935802	0.589766	1.09093	0.175512	0.356563	0.379966	1.78681
AVPR1B	0.034564	0.0142744	0.0204241	0.00508845	0.0153399	0	0.0225509	0.0570469	0	0	0	0.0141323	0	0	0.00709118
AVPR2	0.565217	0.207961	0.272051	0.25417	1.58036	0.743788	0.445875	0.383588	0.112642	0.270864	0.417639	0.169124	0.29837	0.295407	0.575585
AWAT1	0.0992554	0.135498	0.260018	0.0340952	0.077089	0.0563431	0.264429	0.279331	0.040294	0.0415252	0	0.0118366	0	0.0432293	0.0950289
AWAT2	0.0217919	0.0104997	0.0721114	0.0786003	0.0677008	0	0.0248813	0.00968344	0	0.0136756	0.061501	0	0.00703003	0.00569471	0
AXDND1	0.07191	0.0230982	0.0148723	0.00617545	0.00930843	0.0408203	0.0615784	0.0426051	0	0.0150424	0.0202944	0.0042878	0.00386633	0.0250556	0.00860599
AXIN1	3.92042	4.49376	4.21098	4.73734	8.38812	7.71548	4.57008	2.8435	5.25208	3.4761	2.6768	3.57432	6.98851	4.20701	3.31455
AXIN2	2.61977	3.11106	3.05304	1.4619	6.23074	2.93878	5.85819	2.28475	1.48276	1.29613	2.15361	1.4895	1.0871	1.80951	2.74759
AXL	9.05876	5.34787	7.2636	4.19555	6.42685	17.4133	11.1088	4.4367	1.2022	4.05471	5.95558	1.67961	8.55995	7.91641	14.7937
AZGP1	58.7632	52.6418	57.3762	46.3794	96.6791	61.5482	84.891	47.1185	646.242	55.591	158.385	79.6556	3.71819	15.6621	3.10031
AZGP1P1	1.5481	1.71839	1.23206	2.26177	2.64824	2.05236	2.3493	2.42074	12.2432	0.910022	2.67671	5.25809	0.03793	1.96643	0.0562851
AZI2	4.28187	3.2135	3.00634	4.95304	1.73468	5.84715	2.04291	3.7944	7.54418	7.38758	9.53501	4.04827	7.88971	4.68857	4.25313
AZIN1	12.2629	11.7635	12.5041	16.3642	5.08277	11.9686	10.4158	12.5413	14.7621	13.7764	13.3117	9.09338	14.739	11.6243	10.2932
AZIN1-AS1	0.890118	0.870358	0.779684	0.485625	1.42333	1.47126	0.747285	0.418798	0.159421	0.295726	0.886616	0.187324	0.101347	0.15051	0.0751954
AZIN2	0.741601	0.542132	0.486572	0.78181	0.940107	1.57503	0.545025	0.348475	0.134959	0.417248	0.75057	0.390352	0.467477	0.850922	1.06503
AZU1	0.0756309	0.0242934	0.0417115	0	0	0.128797	0.0575686	0.0672144	0	0.063283	0.0853778	0	0	0.013176	0.108616
B2M	235.202	189.681	237.759	396.644	77.0063	467.168	165.801	245.326	104.615	307.637	691.463	73.2868	240.522	121.172	314.247
B3GALNT1	1.25026	0.745942	0.801033	0.707264	0.611549	1.77127	0.613522	1.08748	0.907124	1.01497	1.86783	0.2246	0.621299	0.386502	1.51283
B3GALNT2	3.9174	4.77587	5.61838	5.78542	3.15967	4.62969	3.72071	3.24883	5.20934	4.89677	5.00876	4.14717	5.96946	6.44825	3.24974
B3GALT1	0.0747239	0.0257165	0.0308861	0	0.0331634	0.0636264	0.0609409	0.073233	0	0.013398	0.0120506	0.00763813	0.0619862	0.0111583	0.0306608
B3GALT2	0.795787	0.61599	0.690708	0.537758	0.0911901	0.383234	0.498987	0.678244	0.166826	0.417529	0.434445	0.527401	0.210425	0.675006	0.71194

B3GALT4	0.612206	0.797611	0.754013	0.529048	2.11516	0.855563	1.14723	0.500162	1.71855	0.957893	1.407	0.656093	1.36033	0.539494	0.343009
B3GALT5	0.889583	0.378386	0.224227	0.150403	0.151138	0.585855	0.714162	0.419999	0	0.0087228	0	0.0298369	0.0179361	0.0181615	0.0598853
B3GALT5-AS1	0.158369	0.0508699	0.0786086	0.0108803	0.0820008	0.269699	0.132602	0.0187661	0.0257168	0.0265027	0.0119186	0.0075545	0.00681194	0	0
B3GALT6	2.51987	2.37231	2.4412	4.51024	6.12887	8.09555	2.14837	1.81956	2.15026	1.98709	4.52894	1.85642	3.5832	2.05781	3.30935
B3GAT1	0.0759619	0.0670993	0.0890248	0.0521873	0.147494	0.0700706	0.29633	0.129392	0.115641	0	0.0142919	0.0724703	0.00408418	0.00330842	0.0545454
B3GAT2	0	0.0122685	0	0	0	0	0.0149588	0	0	0.0486547	0	0	0	0	5.61E-45
B3GAT3	3.39019	4.01636	3.71198	4.39795	9.99022	6.97904	3.44958	2.54326	1.87014	2.99104	5.61683	2.22601	3.35176	3.53331	3.59428
B3GLCT	1.65896	0.960763	1.1361	1.57941	0.563172	1.89436	0.802818	1.25954	0.936622	2.42	2.72232	0.911891	4.18217	1.63361	1.7908
B3GNT10	0.517019	0.6072	0.7485	0.619383	0.321243	0.885972	0.560799	0.930454	0.35419	0.389347	0.70038	0.286704	0.400293	0.314127	0.120657
B3GNT2	4.29659	2.14858	2.57159	3.98332	2.14886	5.16905	2.35066	3.39178	3.14164	11.2346	12.1718	3.10345	17.0792	7.75752	5.58613
B3GNT3	0.663661	0.364857	0.541988	1.35908	0.383281	0.970811	0.174865	0.695669	7.28474	2.63772	1.86337	1.50983	5.16574	1.36075	1.29524
B3GNT4	1.04153	1.27535	1.57435	1.00077	1.36182	1.85512	1.02228	1.08459	1.04495	1.32287	1.95703	1.38027	1.05067	1.40254	0.594252
B3GNT5	2.44172	3.37252	3.53378	7.65871	1.42123	3.81407	1.73682	4.45973	8.15558	12.2091	8.88385	11.7157	15.0223	9.07681	3.73234
B3GNT6	0	0	0	0	0.028273	0	0	0.00808793	0	0	0.0205471	0.0130236	0	0	0
B3GNT7	0.395826	0.380799	0.507027	0.565811	0.525601	2.01681	0.969487	0.363125	0.23326	0.616996	1.05944	0.274088	0.560199	1.0911	0.669311
B3GNT8	0.802721	1.74936	1.50181	3.18164	3.93254	3.27031	1.25493	1.26215	4.69259	4.89798	8.75501	3.52574	8.08738	2.98839	1.20601
B3GNT9	1.87109	2.72457	2.72821	2.52855	6.30206	5.7698	2.61614	1.8022	3.16673	3.80994	6.95233	2.88875	4.18932	2.54245	5.19024
B3GNTL1	0.520276	0.686303	0.828374	0.484782	0.963103	0.509607	0.788809	0.446156	0.336447	0.233786	0.304246	0.314164	0.185268	0.412683	0.604829
B4GALNT1	0.147153	0.0544901	0.0394551	0.0808116	0.157699	0.683214	0.32434	0.0608037	0.0145212	0.458675	1.21488	0.031877	0.15001	0.301434	0.895942
B4GALNT2	0.0658096	0.015854	0.0272212	0	0.102225	0.028018	0.0751393	0.0389907	0	0	0	0.0784809	0	0.034395	0
B4GALNT3	3.45328	4.46611	5.01193	5.91731	7.5809	4.45936	4.22722	2.85362	17.6591	13.9405	3.85273	12.6099	15.9568	10.5968	3.82827
B4GALNT4	0.301516	0.732832	0.548758	0.628348	2.90383	2.00255	0.742075	0.494242	0.424335	0.630723	0.620238	0.872561	0.146983	0.58832	1.21244
B4GALT1	14.5726	10.5797	10.797	27.7403	14.3232	34.611	11.2329	11.2071	11.8475	25.1454	39.2102	12.4857	41.2002	21.3077	32.7456
B4GALT1-AS1	0.206327	0.132549	0.170689	0.194907	0.267081	0.0878425	0.274841	0.229208	0.523507	0.755306	1.02872	0.307568	0.576859	0.251617	0.0987707
B4GALT2	8.40781	8.5527	9.51357	16.0802	12.9417	22.6558	10.8203	4.73269	8.77537	11.3912	19.8336	11.2808	15.1412	11.4273	10.4712
B4GALT3	2.84616	4.2248	4.25722	5.47107	7.20472	7.4907	4.20157	3.06598	7.60951	4.69081	6.71801	4.51871	5.89229	5.23391	3.33052

B4GALT4	2.82377	3.35853	3.58571	2.55386	2.19314	3.7495	2.67171	3.036	4.88199	4.75854	5.04902	2.13352	5.61213	2.62138	2.96347
B4GALT4-AS1	0.255254	0.266468	0.351941	0	0.198249	0	0.485735	0.680546	0	0.0533951	0	0.273962	0.0823444	0.088938	0.366577
B4GALT5	3.43205	2.2575	2.57596	6.59433	2.37278	8.27094	2.37576	2.82386	1.77688	3.90815	5.72586	1.75859	6.48507	4.24509	6.89055
B4GALT6	0.445649	0.223976	0.228832	0.423623	0.107418	0.75893	0.27196	0.314114	0.0888989	0.303777	0.490073	0.140195	0.396594	0.281105	0.496559
B4GALT7	3.40378	3.49306	3.5697	5.24774	6.55703	8.6606	3.61092	2.87018	1.95847	3.27976	7.1403	3.1067	3.88209	4.35637	3.79129
B4GAT1	2.47083	2.16549	2.31227	2.63843	3.14338	5.28349	2.47645	1.65932	1.26631	2.11888	3.33196	1.35196	1.92598	1.49588	2.08731
B9D1	0.957034	1.55902	1.82459	0.749741	1.79084	1.123	1.90737	1.07313	0.840716	0.725113	1.01778	1.10734	0.371807	0.774367	0.52509
B9D2	0.670299	0.736207	1.22561	1.31855	1.18552	1.89224	0.871402	0.631881	0.327521	0.875744	1.92537	0.570397	1.52069	1.46687	0.96711
BAALC	0.603255	0.532242	0.492574	0.33102	0.279902	1.93458	0.420422	0.445609	0.295787	0.816146	1.69808	0.218625	0.272957	0.212921	0.585068
BAALC-AS1	0.350652	0.307181	0.342827	0.0328507	0.346617	0.407149	0.181983	0.283301	0.310585	0.200048	0.0719714	0.159664	0	0.0499817	0.732481
BAALC-AS2	0.00104333	0.164859	2.26E-08	0.19185	0.438625	0.00049265 3	5.77E-11	0.0263964	0.632249	2.34E-08	0.00176669	0.29046	7.21E-18	1.40E-05	0
BAAT	0.0327991	0.00948187	0.00542675	0	0.0101897	0.027928	0.0149796	0.00582982	0.0159783	0.0164665	0	0.00938746	0.00423236	0.00342845	0
BABAM1	8.72887	8.08386	8.55034	14.504	14.6868	15.378	9.56061	6.15106	10.1792	11.7506	21.8181	8.06969	10.4662	9.13219	8.65298
BABAM2	5.28499	4.49356	4.5324	5.6163	4.9004	7.60336	5.78034	4.49382	8.1682	4.81512	7.67739	5.11402	3.47688	3.6427	4.75676
BACE1	5.14763	4.24354	4.34116	4.86048	6.07313	10.3312	5.3243	4.07936	3.69877	4.98433	8.41052	3.77677	4.78962	5.00679	9.63957
BACE1-AS	1.00988	1.55434	1.50844	0.871474	2.00444	1.28985	1.82566	0.498609	0.649124	0.528126	0.285007	0.602163	0.289586	0.661409	0.322292
BACE2	2.92072	1.52423	1.96509	7.28771	2.92264	7.90726	2.35113	1.92425	0.508374	3.09916	5.88913	1.0768	5.68327	3.65162	4.2722
BACH1	7.92995	8.52948	8.87338	13.7437	4.4688	8.94372	6.8002	10.4994	12.9811	11.1072	11.5493	7.19983	12.1345	8.1729	8.31634
BACH1-IT2	1.12541	1.05667	1.36072	0.951604	1.16543	0.417708	1.25201	1.59002	0.175721	1.05032	0.29318	0.929147	0.167564	1.85506	1.24325
BACH1-IT3	0.633268	0.388332	0.476258	0.652601	0.268277	0	0.394388	0.511632	0.140227	0.505792	0.194967	0.411927	0	0.330973	0.66142
BACH2	0.87285	1.05739	1.21929	0.400919	0.565579	0.724111	0.72609	0.817826	0.92636	0.616622	0.411028	0.210562	0.390994	0.483563	1.55437
BAD	7.46855	6.33239	6.51131	7.03406	17.2992	14.9243	10.4487	4.06646	11.0987	10.0619	23.1802	5.47925	9.80813	6.59749	6.16394
BAG1	10.6809	10.2925	9.69145	9.66426	17.0833	14.6675	9.79298	6.06617	15.7307	10.8551	13.3732	10.2641	11.5729	8.36256	3.8627
BAG2	0.92482	0.836844	1.19427	0.627621	0.788359	1.85344	1.40361	0.671555	0.357128	2.46304	6.73511	0.710153	2.35765	2.39318	4.84292
BAG3	12.8462	14.7142	12.1178	36.5217	19.3809	34.1806	13.6183	11.5207	34.0773	24.5808	20.7052	20.2401	53.6533	16.479	13.649

BAG4	3.30109	3.13737	3.29814	3.52615	1.07106	3.24459	2.87681	3.62862	1.85	2.60424	3.83925	1.95593	3.03384	2.77188	2.29319
BAG5	8.32523	7.09906	7.72156	7.44445	3.50323	7.03999	6.21123	7.32047	11.4536	5.46223	5.16147	5.43682	8.91536	5.44235	4.16245
BAG6	2.23447	2.57422	2.64578	3.67014	4.16734	5.34575	3.61417	2.1066	5.23785	2.91103	2.81577	3.10365	5.00997	2.74145	2.57502
BAGE	0.26769	0.117252	0.140924	0.200627	0.0378014	0.0621641	0.0555709	0.194646	0	0.0610871	0	0.19154	0.0314023	0.330689	0.174744
BAGE2	0	0	0	0	0	5.37E-17	0.000194129	9.66E-17	0	0	0	0	2.80E-45	1.11E-16	0
BAGE3	0	0	0	0	0	5.37E-17	0.000194129	9.66E-17	0	0	0	0	2.80E-45	1.11E-16	0
BAGE4	0.0221916	0	0	0	0.0116358	0.0122629	0.00787843	0.0129363	0	1.12E-44	0	0.00509551	6.59E-44	0.00771705	0
BAGE5	0.0228327	0	0	0	0.011972	0.0126177	0.00810605	0.0133103	0	1.12E-44	0	0.00524267	6.59E-44	0.00794014	0
BAHCC1	1.5925	1.61262	1.94824	1.94478	3.6896	5.93727	2.61954	1.45127	0.421867	0.90057	0.784607	0.68401	2.29005	1.33664	5.34288
BAHD1	2.51451	3.30921	3.24507	3.30695	6.49496	5.31797	3.37408	2.08996	3.61653	3.05377	1.93022	2.52229	6.06293	3.05392	2.49685
BAIAP2	5.63675	7.78015	9.91022	11.0015	6.41607	11.0945	8.78459	6.28491	6.74566	9.91169	5.34568	12.2153	18.1487	7.84437	3.66503
BAIAP2-DT	0.832333	0.786928	0.857458	1.19221	1.75639	2.97306	0.8547	0.511748	0.357022	0.801566	0.774136	0.303397	1.37801	0.818045	0.992354
BAIAP2L1	3.19715	4.94944	5.77497	7.42359	5.37768	5.06342	3.996	4.16957	3.1488	6.21025	3.48104	4.67455	10.5418	5.62145	3.9304
BAIAP2L2	0.388415	0.285915	0.276696	0.611528	0.804457	1.00138	0.320291	0.27807	1.6031	0.379167	1.54683	0.640763	0.556896	0.355254	0.340886
BAIAP3	0.219153	0.352485	0.542348	0.117614	0.604273	0.315611	0.272416	0.28074	0.094727	0.0860113	0.0463502	0.183391	0.103108	0.198412	0.105581
BAK1	3.50364	4.53044	4.41754	19.0753	8.91762	10.9268	3.07256	3.13251	6.07925	10.5432	13.2117	4.85533	17.097	12.4375	7.00191
BAMBI	2.41633	0.672663	0.677424	1.09288	0.834087	1.62312	0.950283	0.835112	1.5695	1.87019	1.2881	1.06618	2.90148	0.989255	0.231343
BANCR	0	0	0	0.105998	0	0.321135	0	0	0	0	0	0	0.0884846	0.0358387	0
BANF1	13.5202	11.6346	12.315	34.2631	23.5292	31.6288	14.1754	9.6589	10.3739	15.8346	35.5595	12.6064	19.1961	17.7129	14.1658
BANF2	0	0	0	0	0	0	0.0412875	0	0	0	0	0	0	0.0188993	0
BANK1	0.195135	0.178637	0.199097	0.187686	0.151556	0.559389	0.118826	0.213885	0.00792176	0.122457	0.26434	0.0232708	0.193047	0.0611918	0.177485
BANP	1.42136	1.92603	2.01937	2.43936	3.23815	3.63913	1.74959	1.24175	1.48159	2.28358	2.90194	1.71773	1.99268	2.17432	2.13611
BAP1	8.817	10.2709	10.5479	14.9245	13.8901	20.4088	11.1094	7.30231	7.75276	12.9969	8.56265	9.91958	20.5357	13.2198	10.507
BARD1	2.30758	2.52947	2.90347	1.92754	0.56803	1.45665	1.76128	2.75679	1.58691	1.915	2.51957	1.58497	1.89834	1.92219	1.72641

BARHL1	0.0606792	0.0701668	0.0602377	0.0625317	0.131958	0.0103335	0.0692816	0.118639	0.0147801	0	0	0.00868352	0	0.0190282	0.0174286
BARHL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BARX1	0	0	0	0.0160928	0	0.146266	0.01783	0	0	0.0783992	0.282058	0.0335212	0.221659	0.253011	0.0448534
BARX1-DT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0167413	0.0460019
BARX2	5.82833	8.21629	5.72092	4.68354	8.911	8.44224	5.44331	4.65594	11.8836	10.5207	7.52572	8.18134	7.47856	2.6012	1.29785
BASP1	5.06955	4.4648	4.02808	13.3889	13.3505	25.8001	4.26714	4.11771	7.95458	10.7576	20.243	3.64426	10.5201	6.74715	12.0383
BASP1-AS1	0.0139584	0.0302642	0.0346422	0.0431537	0.184299	0.0831978	0.0318745	0.0682279	0.00849989	0.0350385	0.0315146	0.00499381	0	0.0291811	0.010023
BASP1P1	0	0.00967941	0	0.0207028	0	0.0171059	0.0229375	0	0	0	0	0.0143745	0	0	0
BATF	0.861709	0.225386	0.305514	1.57306	0.803119	1.71903	0.365438	0.656413	0.0599694	0.618019	1.44525	0.193781	1.08017	0.334558	0.919303
BATF2	0.0394933	0.0570854	0.0490074	0.620659	0.168703	2.37077	0.011273	0.0350983	0.0601229	0.0743522	0.0668745	0.0211939	0.8982	0.0670829	0.155973
BATF3	0.448234	0.0909331	0.195164	0.923837	0.329809	0.783419	0.242422	0.125796	0.114926	0.858675	1.70442	0.303844	1.18724	0.75212	1.32132
BAX	4.23846	4.03304	3.71174	11.7695	9.88946	15.9913	4.81909	2.78963	4.7948	7.81262	18.8785	4.64427	7.66614	7.89688	7.56413
BAZ1A	5.03951	7.24725	8.11206	9.29642	4.07533	8.3231	2.73199	5.17263	7.64617	8.13572	7.08716	5.91817	12.5633	9.33946	5.78434
BAZ1B	5.54828	5.71484	6.20861	9.39553	6.96056	11.105	4.30389	3.84445	4.06537	6.65015	6.04969	4.70652	9.97243	7.35426	8.3648
BAZ2A	9.20388	11.1235	11.1748	11.5598	12.4836	17.6168	12.5279	9.75595	10.2691	8.9372	5.34622	8.41037	12.8366	8.5983	8.65941
BAZ2B	6.32422	5.9452	5.53371	3.79199	2.26047	4.33723	2.86103	4.64074	4.47757	4.2262	4.08643	3.36432	3.39524	3.93811	4.49605
BBC3	0.839557	1.21886	1.33425	0.808268	3.44906	2.70899	0.971192	0.697041	0.726503	0.928946	1.48398	0.545395	0.620079	0.519619	1.12639
BBIP1	1.2973	0.839257	0.865843	0.934826	0.111979	0.834318	0.538483	1.19689	0.583056	1.28297	2.28837	0.422893	1.36108	0.96415	0.847392
BBOF1	0.775458	0.588121	0.593592	0.451813	0.12934	0.928855	0.407113	0.537423	0.43839	1.09501	1.34845	0.353761	0.499741	0.490214	0.779889
BBOX1	5.06791	8.14129	7.72522	2.64293	5.58489	2.63304	6.16466	4.61299	24.3747	6.69958	10.4447	12.0816	2.60475	3.15537	1.63891
BBOX1-AS1	0.64647	0.550414	0.610694	0.111406	1.33009	0.201153	0.850059	0.335358	0.357863	0.404691	0.140076	0.431411	0.0393738	0.536366	0.365087
BBS1	3.1649	3.1358	3.08966	2.5265	3.73657	5.41361	3.29547	2.53891	1.16255	1.24979	2.34123	1.2481	1.63053	1.93934	3.02776
BBS10	1.12389	1.19816	1.08472	1.49102	0.361197	1.45746	0.818605	1.32028	0.904646	1.15118	2.04893	0.540736	1.24188	1.12752	0.964717
BBS12	0.573182	0.289164	0.407234	0.437799	0.104747	0.855535	0.22328	0.281666	0.246378	0.634767	0.692724	0.207476	0.40897	0.352435	0.610108
BBS2	8.15024	8.89201	10.0218	5.36489	4.31799	7.6331	5.34302	5.88377	2.43394	2.84895	4.41926	2.45391	2.4674	3.04323	3.21261
BBS4	2.09367	2.0408	1.67874	1.66798	1.15077	2.46154	1.34235	1.74617	0.225564	1.71815	2.66347	0.800893	0.727366	1.21208	1.36461

BBS5	10.4	11.8201	12.2582	7.34266	22.4846	9.24914	10.1735	7.34983	2.64699	5.50121	3.09979	8.65719	1.96889	10.2663	9.85076
BBS7	1.05933	1.24215	1.2251	1.59851	0.638051	1.86383	0.937984	0.744507	1.75749	2.08931	2.64185	1.05962	1.91093	1.69485	1.49804
BBS9	2.64104	2.10184	2.08702	1.60682	1.52396	1.63347	1.68525	1.89951	1.00815	1.00598	1.56734	0.874356	0.689507	1.14226	2.23924
BBX	3.83877	3.23958	3.6912	3.30328	1.69289	4.73159	2.6351	3.55746	1.57715	3.20883	3.60984	1.71741	3.08232	2.80111	3.54645
BCAM	10.5968	6.73065	6.29446	4.92842	25.8387	23.7038	13.185	5.55107	4.84683	9.10938	9.10694	8.99645	7.15469	12.0321	12.1767
BCAN	0.434289	0.845249	1.01164	0.270884	0.142021	1.76624	1.60501	0.731293	0.347971	0.0358604	0.0129015	0.0327101	0	0.0388253	0.0820651
BCAP29	2.44178	1.78174	1.98312	2.37845	0.473395	3.10132	1.64222	2.38805	1.14064	3.19996	3.87249	1.35359	4.38337	2.24546	2.38584
BCAP31	16.9033	14.6178	15.1663	31.564	30.1576	37.727	16.7189	12.4384	26.9619	25.9804	31.6967	21.1069	39.6349	19.2791	10.9447
BCAR1	3.48804	2.23014	2.64645	7.55133	7.65095	8.92333	3.46523	1.84675	2.12641	5.14754	5.03989	3.72554	10.3628	6.89	7.11845
BCAR3	2.61745	2.08298	2.67104	0.911122	2.19978	1.94566	2.50823	1.97437	0.780362	1.30173	1.38536	0.531508	2.12661	1.68434	2.17382
BCAR4	0	0.0170239	0.0146149	0	0	0.0150428	0	0	0	0	0	0.0126408	0	0	0
BCAS1	0.564945	0.180411	0.331501	0.311405	0.306124	1.12989	0.315018	0.251038	0.152009	0.0329797	0.081573	0.0564047	0.135628	0.116733	0.122643
BCAS2	6.24382	5.47677	4.9593	8.81756	2.18292	8.14899	2.17323	5.26442	6.95433	5.76026	7.34971	4.48035	5.3254	4.82521	3.32108
BCAS3	4.9295	4.77884	4.56502	3.69509	4.61833	3.68096	5.37032	3.97929	5.63424	2.23897	3.16166	3.09319	2.23286	2.3122	3.21945
BCAS4	0.554224	0.347953	0.305662	0.311533	1.04352	0.65782	0.47939	0.388068	0.184086	0.695608	0.966914	0.276392	0.455105	0.175553	0.98889
BCAT1	0.590627	0.250773	0.417469	0.988774	0.161696	1.50102	0.656271	0.66769	0.057876	2.95951	4.52416	0.121439	1.03663	0.811337	2.49915
BCAT2	2.67035	2.60539	2.71536	4.65524	4.21712	5.38126	3.27759	1.74034	1.13827	2.19248	3.71787	1.51265	2.91457	2.33188	1.96542
BCCIP	3.4648	2.86587	3.03639	5.4129	1.90245	5.65981	1.74317	2.89059	3.0584	3.74767	5.5386	2.48785	4.48356	4.06226	2.40848
BCDIN3D	1.25049	1.49807	1.57462	1.96549	1.20318	2.10536	1.13054	0.947047	0.896656	1.36843	1.46777	1.04395	1.22672	1.12642	0.944035
BCDIN3D-AS1	0.182584	0.227271	0.292581	0.16245	0.171701	0.171092	0.150479	0.197028	0.0573849	0.0262545	0.0392836	0.0536537	0.0108469	0.0924424	0.0149643
BCHE	0.292256	1.16611	1.66976	0.272943	0.12768	0.536588	2.24198	1.07952	0.100107	0.298035	0.587672	0.0196047	0.294629	0.105013	0.118045
BCKDHA	6.97945	6.56853	6.13007	10.1502	8.3287	13.3298	8.34124	6.2607	13.0282	7.76116	13.7551	8.41981	9.30913	6.94786	4.60887
BCKDHB	2.11272	2.08546	1.5024	1.79667	1.47633	2.36596	1.79017	1.49563	1.01005	1.18528	2.26199	1.05689	0.851458	0.968151	1.52141
BCKDK	6.28333	8.25889	7.93922	11.9839	16.9305	18.6856	11.9925	6.73241	43.7316	15.7725	31.4067	15.9482	17.6548	11.2787	6.27014
BCL10	3.45952	3.47062	3.44176	6.71352	1.71934	6.73423	2.48473	3.64363	5.10887	6.77248	9.07277	4.48786	9.69213	6.35588	4.26727
BCL11A	2.74136	5.00773	4.89827	3.22864	3.34097	3.27638	2.91707	4.60189	1.31351	1.31464	1.2947	1.77248	1.00267	0.934051	0.473147

BCL11B	4.76499	8.07849	7.44822	4.99938	6.36471	4.6625	7.42479	5.22951	2.96118	3.57535	2.39071	4.51301	5.22042	2.4528	1.75624
BCL2	1.55219	1.86125	2.50165	0.641273	1.05349	1.60148	1.49284	1.66529	0.374673	0.421224	0.670899	0.237636	0.717267	0.359944	0.913748
BCL2A1	0.441755	0.153721	0.162423	7.56205	0.152488	0.919474	0.0560424	0.0872433	0.298893	11.3662	17.8695	0.245846	4.78197	1.01331	2.60815
BCL2L1	10.6044	6.44576	6.79917	18.7923	14.3157	16.565	9.24536	6.87548	26.1093	15.3373	17.1939	9.38948	33.8802	9.62705	7.47896
BCL2L10	0.8108	1.60509	0.918637	3.12425	5.50327	1.05059	1.18737	1.04953	5.47398	2.10164	4.19841	2.48455	1.05762	0.902792	0.329073
BCL2L11	2.47003	1.39832	1.16809	2.94857	1.34838	3.43554	1.3782	1.92697	0.957368	1.46357	2.32153	1.06896	2.40129	1.6648	2.46116
BCL2L12	1.17831	1.65707	1.66523	3.20434	2.85265	4.15069	1.48925	1.07121	1.09574	1.72698	4.09665	1.19697	2.93034	2.64637	1.4732
BCL2L13	3.80749	4.79682	4.99485	5.59397	5.15491	6.56969	5.23051	3.29154	6.03193	3.89196	4.30953	3.32581	4.92398	3.0226	3.24621
BCL2L14	0.103734	0.114955	0.180214	0.0641405	0.0322269	0.0794953	0.130284	0.138285	0.0252673	0.0260394	0	0.00742244	0.0267715	0.0325295	0.05959
BCL2L15	0.176842	0.0986587	0.0500487	0.076733	0.0726508	0.0634016	0.0371944	0.11994	0.0113355	0.0233637	0	0.0166494	0.00600514	0.0364837	0.093567
BCL2L2	9.39184	12.2262	12.7162	12.4163	20.7466	17.711	9.7209	7.2531	22.5027	15.3064	9.8386	13.0898	15.1194	13.1115	8.57828
BCL2L2-PABPN1	1.00997	1.01324	2.08901	2.26667	0.743699	5.37313	2.50344	0.899661	4.24396	2.34543	4.415	0.364325	6.30937	0.993964	0.177542
BCL3	4.54418	6.38292	6.06002	30.4901	14.1752	40.8604	4.93323	6.14601	8.51315	12.3262	18.9635	6.95604	29.7594	13.03	15.5127
BCL6	11.4986	12.0625	15.7453	13.2239	6.92759	20.5791	14.7774	13.8512	8.31033	5.37095	7.06536	7.28193	5.89756	3.79146	7.52521
BCL6B	2.25193	1.09451	1.15145	3.26113	2.04987	8.67064	1.65665	1.16112	0.903539	2.31551	4.25421	0.765729	2.60088	3.85686	8.31616
BCL7A	2.64894	2.92106	3.31494	3.21524	3.78211	3.15151	2.57045	2.27804	2.03402	1.45887	1.45718	1.8166	3.61157	1.85447	1.12457
BCL7B	4.75189	3.65029	4.17217	7.49556	6.80683	11.2224	4.38907	2.82867	8.16225	6.66742	12.7149	5.09212	12.7697	6.44318	6.5185
BCL7C	6.12922	4.92361	5.65627	8.09142	12.5412	11.4996	5.67089	3.3622	8.71312	6.84395	14.9118	3.9395	6.08864	5.21934	3.90034
BCL9	2.38083	2.2024	2.43339	2.35337	1.95073	4.34092	3.17924	2.13582	1.27454	1.07425	1.17717	1.05101	2.30054	1.30488	1.94845
BCL9L	7.18748	12.4899	11.253	10.1982	20.2928	22.4585	12.8778	8.43214	9.61251	9.71822	5.92186	11.2775	19.962	8.95013	12.2021
BCLAF1	12.9879	9.48534	10.6758	11.7062	3.34595	9.87895	6.24679	12.2026	8.5374	9.13453	7.64013	6.81931	10.6803	8.24043	9.53211
BCLAF3	1.72183	2.02677	2.05847	1.16823	0.670032	0.913664	1.19665	1.47636	0.855294	0.961966	0.998021	0.790733	0.82571	0.931575	1.04951
BCO1	0.0381426	0.128644	0.126217	0.0687874	0.0888731	0.0405975	0.119763	0.067796	0.0812935	0.0359047	0.0215291	0.013646	0	0.019935	0
BCO2	0.662992	0.364013	0.47832	0.166836	0.323327	0.111593	0.352085	0.41793	0.0563337	0.174165	0.104433	0.231678	0.0547134	0.326363	0.431785
BCOR	3.57472	4.36202	4.189	4.85052	3.86883	5.92407	4.05015	4.1373	2.42331	2.77293	1.9054	2.50382	6.07148	2.25918	3.70497
BCORL1	0.69596	1.33523	1.34689	1.08717	2.4165	2.34093	1.84813	0.817217	0.997177	1.30037	0.792762	1.21003	1.55637	1.11096	1.54219

BCORP1	0.0820228	0.0364799	0.0626354	0.00650207	0.0196015	0.0107448	0.00720392	0.0168219	0	0	0	0.00902916	0	0.00989278	0.0634281
BCR	6.52896	5.83065	6.52618	12.8121	11.8653	11.8419	7.25075	4.71786	9.28652	7.4855	3.33055	6.75852	13.9827	8.37294	6.73948
BCRP2	0.403786	0.392774	0.487244	0.394482	0.341357	0.626272	0.26029	0.326388	0.187835	0.208553	0.205905	0.262028	0.644249	0.520436	0.323787
BCRP3	0.115707	0.112297	0.171424	0.0274715	0.372271	0.0770079	0.296058	0.0247183	1.93E-39	0.110341	0.0764993	0.114143	0.0194166	0.101082	3.39E-28
BCS1L	3.02689	3.29355	2.85879	5.35478	5.68133	5.55206	2.6352	2.11841	1.47456	2.73848	3.33155	2.78849	3.60478	4.27135	3.18779
BCYRN1	7.63357	4.67044	3.1074	5.74388	14.4926	4.12691	7.19396	3.3382	15.6423	6.08312	7.93343	10.8363	2.42348	8.16926	4.87234
BDH1	2.42785	3.08921	3.11913	5.32723	5.84699	6.24462	4.89228	2.78211	10.8113	8.85029	11.0621	6.5807	11.9163	6.94781	1.32441
BDH2	3.21784	2.57764	2.70136	2.44213	1.87133	4.10317	1.84606	1.83136	1.52511	2.8848	6.30773	1.15689	1.17102	1.64036	3.17566
BDKRB1	0.320196	0.548534	0.70637	0.549952	0.746062	0.348377	0.467142	0.189709	1.32154	1.47356	1.54625	1.15827	2.10032	1.03198	1.04742
BDKRB2	1.68183	2.99689	2.26718	7.47253	7.55472	5.03332	2.4743	1.37706	7.40066	7.34997	5.5899	5.79601	14.7468	8.5767	7.56271
BDNF	0.300287	0.406977	0.164104	0.120308	0.423964	0.139087	0.217189	0.222827	0.910692	0.284744	0.416957	0.610098	0.101316	0.131797	0.203911
BDNF-AS	0.597372	0.771188	0.525849	0.266	0.422532	0.319541	0.550009	0.426692	1.36112	0.240297	0.416705	0.685436	0.105537	0.126039	0.267887
BDP1	5.67762	5.27983	5.12047	4.73762	2.63573	4.7419	2.6245	4.12281	3.32629	4.21475	3.82154	3.67523	4.94805	5.18226	4.81664
BEAN1	0.964477	0.538629	0.598412	0.356908	0.578836	0.664457	0.645708	0.432469	0.528581	1.72224	0.519642	0.77794	1.54155	0.423883	0.642187
BEAN1-AS1	0.335407	0.207777	0.35675	0.24689	0.223287	0.163197	0.437664	0.255498	0.233421	0.781801	0.108181	0.137138	1.08201	0.475809	0.206437
BECN1	12.2567	9.49733	9.46437	15.6328	13.5444	19.059	8.15093	8.92662	16.3282	13.5268	14.5799	9.88176	18.5444	10.2524	8.75049
BECN2	0	0	0	0.0184025	0	0	0	0.0317402	0	0	0	0	0	0	0
BEGAIN	0.18963	0.25821	0.245543	0.195419	0.384209	0.610767	0.583644	0.263781	0	0.0724362	0.0837658	0.147484	0.0478753	0.168054	0.22497
BEND2	0	0	0	0	0	0	0.00562691	0.00437982	0	0	0.0111268	0	0.00317968	0.00515143	0
BEND3	0.552514	0.343226	0.34784	1.37511	0.512788	1.28119	0.543557	0.398382	0.655972	0.523368	0.560956	0.5122	1.75101	0.911708	0.533977
BEND3P3	1.84519	1.93253	1.672	0.302148	1.47562	0.898754	2.20497	1.61901	0.347559	0.495564	0.251547	0.86154	0.292582	0.866304	1.16215
BEND4	0.0104601	0.00251993	0.00865336	0.00269487	0	0.0378533	0.0149288	0.00464805	0	0	0.00295205	0	0	0.00273346	0
BEND5	0.817583	0.341401	0.34269	0.20221	0.643461	0.835393	0.385842	0.397208	0.039829	0.177866	0.6153	0.0390002	0.1688	0.170922	0.43835
BEND6	0.15248	0.116323	0.147166	0.235702	0.151323	0.205571	0.140244	0.139276	0.0928516	0.669823	1.38661	0.103042	0.18856	0.163813	0.553534
BEND7	0.486199	0.230654	0.383654	0.146458	0.174285	1.01269	0.469722	0.405502	0.0455489	0.0751051	0.109772	0.0535212	0.0579125	0.203287	0.225586
BEST1	0.652069	0.55636	0.662788	0.682098	0.556492	1.08474	0.858114	0.597344	0.0848392	0.630825	0.921099	0.110384	0.398156	0.340726	1.20829

BEST2	0.0848175	0.554615	0.741765	0.0374601	0.225859	0.0206346	0.290525	0.527651	0.0147569	0	0.041035	0.0433494	0.0156354	0.0506621	0.0870061
BEST3	0.14604	0.370447	0.0639607	0.06197	0.146786	0	0.117702	0.0801633	0.146473	0.0161731	0.0145466	0.0399542	0.00554261	0.0179593	0.00616859
BEST4	0.154581	0.127679	0.182687	0.091029	0.0171513	0.206838	0.138675	0.17663	0	0.0277165	0.024929	0.0711046	0.0569915	0.0692494	0.0475711
BET1	0.716625	0.801713	0.901446	1.41631	0.609954	1.57146	0.47636	0.754655	0.968414	1.41076	2.54884	0.660272	0.953226	0.713164	1.05031
BET1L	7.21072	6.44303	7.65566	9.10911	11.7723	17.1191	8.55467	5.62202	5.98805	7.91019	11.3923	5.14827	9.09229	7.20168	9.2986
BEX1	0.167533	0.067479	0.0666319	0.110671	0.0417044	0.29719	0.0919628	0.0749247	0	0.0336971	0.155289	0	0.0519667	0.028064	0
BEX2	1.47124	1.37282	1.69314	0.648968	0.794794	1.94379	1.59533	1.18683	1.94136	0.271697	0.863663	0.422435	0.48249	0.205707	0
BEX3	9.55463	7.04946	4.25615	14.2675	35.3387	16.8826	5.52289	5.86345	38.9898	24.799	42.0248	24.6314	12.7594	11.7738	9.76961
BEX4	4.18813	2.80941	2.76281	3.21839	2.35548	8.42342	2.53522	4.41193	3.58367	3.01345	6.74539	1.44669	1.59567	1.45298	1.99626
BEX5	0.341343	0.274107	0.33886	0.211058	0	0.484415	0.545628	0.303357	0.055429	0.0571227	0.2312	0.0162827	0.293644	0.0356801	0
BFAR	3.31593	2.77759	3.05776	5.35305	2.87073	5.93191	2.81347	2.08853	1.53756	3.52227	7.07441	2.00804	4.62721	4.12592	4.47811
BFSP1	0.215356	0.16676	0.159069	0.32497	0.453994	0.635255	0.193196	0.157213	0.580761	0.926721	1.05058	0.693418	0.506162	0.542672	0.629602
BFSP2	0	0	0	0	0	0	0.0167559	0	0.0357459	0	0	0	0.00946847	0	0
BFSP2-AS1	0.00788788	0.015202	0.0261017	0.00812869	0	0.00671643	0	0	0	0	0	0	0	0	0
BGLAP	0.0802556	0.677193	0.627797	0.339018	1.17277	0.136436	0.358317	0.498091	0.372254	0.556704	0.660781	1.22506	0.349836	0.310057	0.376594
BGLT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BGN	28.1549	11.3417	13.594	37.8364	67.7785	99.1408	40.7029	17.8918	10.6443	45.3591	152.907	11.6294	49.0154	29.3165	167.293
BHLHA15	0.458927	0.126353	0.0542367	0.101344	0.203678	0.195385	0.261994	0.203928	0.079846	0.164572	0.370051	0.140732	0.105749	0.102795	0.141231
BHLHA9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BHLHB9	0.429121	0.513418	0.477218	0.381677	0.40032	0.84197	0.696321	0.489121	0.211708	0.473257	0.448732	0.217137	0.152118	0.220147	0.154579
BHLHE22	0.163449	0.0820627	0.0958124	0.262369	0.772528	0.527891	0.062229	0.0968743	0.0497833	0.135229	0.246105	0.0389979	0.464521	0.104986	1.48683
BHLHE23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BHLHE40	20.5801	42.5703	42.8346	55.4342	31.4348	64.1582	33.2869	29.882	48.6606	53.4314	41.4789	72.5691	89.0592	31.7499	24.1002
BHLHE40-AS1	0.306531	0.402048	0.359243	0.201818	0.264527	0.195755	0.223602	0.264852	0.22814	0.438162	0.269138	0.621437	0.153823	0.338213	0.0366847
BHLHE41	1.70206	1.6254	2.64391	1.00951	0.599153	1.86634	2.35579	1.27867	0.104391	0.79149	1.58274	0.153328	0.525377	0.172794	1.91681
BHMG1	0	0.0040489	0.0139038	0.00865998	0.0522137	0.0286216	0	0.00746827	0	0	0	0.00601288	0	0.004392	0

BHMT	0.195811	0.118632	0.129409	0.0485282	0.0913836	0.111085	0.0436122	0.0861684	0.135291	0.0600643	0.0731517	0.236357	0.0121983	0.0822499	0.0566248
BHMT2	1.08991	0.476995	0.73016	0.50302	0.646094	1.08459	0.646633	0.640274	0.0318962	0.29398	0.67014	0.101924	0.540482	0.460827	0.598539
BICC1	2.85111	1.41651	1.81622	2.67223	0.834499	6.37176	2.73368	1.8421	0.180314	2.93071	4.70366	0.432828	4.33133	3.26985	10.2668
BICD1	0.895531	0.393797	0.342925	0.582336	0.649976	0.805821	0.509013	0.648168	0.473888	0.696968	0.723994	0.759697	0.644654	1.14354	1.58375
BICD2	20.1203	25.8271	22.2489	26.3409	51.6148	21.6469	20.1021	17.5767	83.9988	39.6181	21.2969	43.6307	60.4552	31.4229	10.6454
BICDL1	4.16891	6.42576	6.38543	1.62888	10.7725	1.96836	5.27125	3.31281	8.90321	1.07459	1.00369	5.15536	0.594891	1.0051	0.397247
BICDL2	6.19285	7.61097	5.59894	16.3399	30.971	7.94673	6.96186	4.696	24.7125	11.1828	5.56672	13.0228	8.52649	6.88566	1.56866
BICRA	1.40737	2.35099	2.22181	2.40615	5.19913	4.35737	3.43019	1.86718	1.38006	1.2957	1.7754	2.52764	2.82296	2.02963	2.68717
BICRAL	4.40723	4.07658	4.41261	3.19848	1.77623	3.64772	4.62099	3.80427	2.8543	2.08792	2.78491	1.90831	2.94248	1.86785	3.02105
BID	1.35726	1.32467	1.41073	3.03051	1.25687	3.19296	1.30133	1.13663	0.731131	3.82197	7.41537	0.933804	2.63832	1.75522	2.39902
BIK	0.801386	0.842443	0.602693	0.850877	0.377221	0.620336	0.637725	0.410057	0.916846	0.54863	1.17881	0.590789	0.846082	0.215766	0.0348755
BIN1	1.76976	0.94966	1.43469	2.15317	3.10763	4.672	2.58833	1.09413	0.6704	3.87044	2.49229	2.3971	5.45717	2.44697	3.62114
BIN2	0.92353	0.418575	0.492074	1.60503	0.680809	1.39948	0.268082	0.632957	0.295487	1.31629	1.88189	0.168003	1.17152	0.564487	2.47278
BIN3	3.779	3.52535	3.80251	5.52393	5.37051	6.65233	4.23824	2.85827	3.80269	4.45712	4.53832	3.23136	6.79584	4.54546	3.59884
BIN3-IT1	0.591475	0.982278	0.593419	0.505782	0.723284	0.557212	1.32192	0.805257	0.199246	0.442259	0.0142064	0.864442	0.0811951	1.05894	0.469899
BIRC2	5.31774	4.57014	4.97386	5.31792	1.34019	4.91611	3.25267	5.04905	4.30878	5.48247	7.90197	3.43224	6.3508	5.09633	4.83931
BIRC3	1.57367	1.19863	1.84752	0.793605	0.114422	0.898062	0.290542	2.76735	0.0652445	0.626156	0.994075	0.203639	1.23784	0.500483	0.985742
BIRC5	0.385718	0.437767	0.624003	4.40776	0.718983	4.64917	1.30163	0.350411	0.741178	2.80787	5.31221	1.37382	3.97075	3.57939	0.910922
BIRC6	12.6298	11.6492	12.4186	11.261	5.08719	9.24307	9.63595	11.054	8.86747	9.37892	9.72681	8.64252	9.36683	9.85856	10.2596
BIRC6-AS2	0.826538	1.27057	1.20474	0.608408	0.30569	0.100541	1.03359	0.734558	0.239674	0.691593	0.533176	0.788546	0	0.843399	0.621768
BIRC7	0.0507523	0.105964	0.335887	0.156905	0.131393	0.432149	0.309052	0.105244	0	0.0212331	0.057293	0.0363146	0	0	0
BIRC8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BISPR	0.314571	0.1301	0.168202	0.42722	0.455032	0.861559	0.259217	0.338495	0.0538922	0.0280687	0.494682	0.0316625	0.181545	0.228369	0.293258
BIVM	1.70776	1.43608	1.63067	1.47744	0.644014	1.30043	0.655401	1.20696	0.47676	1.42855	2.02283	0.918406	1.16128	1.66228	1.93547
BIVM-ERCC5	2.06445	1.88807	1.46953	1.8554	0.514805	1.57285	0.988387	1.68249	0.918335	2.26332	2.01773	1.00933	1.5249	1.38551	2.12517
BLACAT1	0.159241	0.242962	0.131736	0.774929	0.645875	0.866281	0.0707064	0.149383	0.463296	1.68774	0.529303	1.02547	1.524	1.43797	0.736891

BLACE	0.160453	0.0954993	0.109314	0.0389063	0.483818	0	0.193977	0.0251643	0.0574748	0.0236924	0	0.0945484	0.0487171	0.0887929	0.0406644
BLCAP	15.2946	18.1079	17.8969	20.2203	13.8848	23.0762	18.43	14.6209	13.3575	12.0607	15.8364	12.1075	17.7614	12.6082	7.1771
BLID	0.375873	0.129358	0.133264	0.0553355	0.0417044	0.0685824	0.245234	0.214743	0	0.134788	0.0606163	0.0768421	0.069289	0.266608	1.11816
BLK	0.0708009	0.00426412	0.0146429	0.0182406	0.15122	0.0452145	0.0707334	0.117979	0.0323353	0.0111078	0.0199814	0.012665	0	0.0138764	0
BLM	0.239526	0.117716	0.134744	0.933051	0.11162	0.522122	0.147681	0.208614	0.0991836	0.384807	0.62191	0.226232	0.951974	0.588378	0.447187
BLMH	9.94321	12.2539	12.98	7.73678	19.3136	11.022	32.0587	9.68794	90.3007	10.2815	11.41	13.6027	9.94667	5.71643	5.43677
BLNK	3.32966	5.15446	2.58695	10.2548	4.93612	6.66208	2.76093	3.07164	23.6063	12.3624	11.1763	10.9974	17.3987	8.66143	2.8
BLOC1S1	10.7219	7.98892	7.68456	15.9817	9.5955	16.9213	11.7649	6.48395	12.5617	13.7846	31.4333	8.01472	9.85552	8.03789	7.54606
BLOC1S1-RDH5	0.540589	0.318386	0.387635	0.151152	0.00191905	0.748038	0.560574	0.475618	0.20195	0.679662	1.10029	0.00477842	0.287096	0.194224	0.00837653
BLOC1S2	4.11047	3.55119	2.59921	6.76777	1.5779	5.16285	2.4455	3.856	8.31471	10.4368	12.5517	6.11331	7.36176	5.16915	2.86111
BLOC1S3	2.66933	2.94951	2.87809	3.09925	7.02121	5.28069	3.383	2.22994	12.061	2.72489	5.34365	3.87725	3.63966	1.9113	2.00619
BLOC1S4	2.00593	1.52907	1.60991	3.23959	2.69735	3.54351	1.00842	0.984478	2.3883	1.89763	4.22471	1.25321	3.62187	1.83077	1.87035
BLOC1S5	1.31784	1.22096	1.47724	1.19054	0.607571	0.791216	0.494838	0.725953	0.643894	0.532989	0.125142	0.163708	0.267202	0.408049	0.630985
BLOC1S5-TXNDC5	1.189	0.510559	0.320093	0.745484	0.604168	1.79693	0.508452	0.657001	0.437119	0.613908	1.22057	0.525619	0.776188	0.821418	0.511978
BLOC1S6	3.97205	2.96418	3.24794	5.32447	1.76058	5.9861	2.15099	3.59809	2.21978	6.83721	9.88999	2.84576	7.14143	4.63759	6.75282
BLVRA	7.34665	7.03205	6.90867	15.1825	13.3394	17.8778	7.33127	5.3213	11.0344	20.2712	32.974	10.3726	17.1176	8.39993	8.14641
BLVRB	13.1126	10.2909	10.4674	16.4384	15.6228	26.4281	15.3111	8.67396	28.5478	14.3877	35.8312	11.0074	14.1643	11.6717	6.44537
BLZF1	2.54436	2.94736	2.74422	6.38355	1.20046	3.68507	1.7444	2.71558	6.17578	7.43892	6.55654	4.23665	11.0999	4.60457	2.72345
BMF	1.5306	1.4796	0.993742	1.20795	3.32556	2.17765	1.21115	1.21822	0.460125	0.942293	2.14342	0.42629	1.81255	1.28347	2.12857
BMI1	3.62413	3.22094	3.99324	2.90615	1.26818	4.39219	2.34977	3.54046	2.22611	2.60923	4.22909	1.49299	4.22358	2.35903	3.33025
BMP1	2.30391	2.27549	2.44469	4.81053	6.622	11.7005	2.86172	2.40742	1.51958	6.85477	11.4969	2.22411	6.44019	7.6966	19.7029
BMP10	0	0	0	0.00387861	0	0	0	0.00334487	0.00458378	0	0.00849752	0	0.00485665	0	0.00540516
BMP15	0	0	0	0.0377965	0	0	0	0	0	0	0	0	0	0	0
BMP2	1.77686	2.72689	3.75652	3.9787	3.02132	2.49672	2.98887	1.59212	3.24157	6.22237	13.8594	5.73434	7.17103	7.37199	3.61242
BMP2K	5.346	6.17066	6.15034	9.37007	5.34078	8.13585	4.4414	5.19033	12.9893	15.8072	14.1577	11.9131	22.7494	13.7314	6.76175
BMP3	0.142956	0.0822716	0.177395	0.016369	0	0.0101438	0.0770775	0.0282328	0	0.00996805	0.00448278	0	0	0.00207542	0

BMP4	1.61714	1.16874	1.36754	0.611053	1.4095	2.13431	2.03103	0.902228	0.481432	0.236795	0.567948	0.430701	0.631818	0.563458	0.528995
BMP5	0.145737	0.00280873	0.00964512	0.00600745	0.0090552	0.00496373	0.0732151	0.0414461	0	0.0073166	0.026323	0	0	0	0.117206
BMP6	1.98954	1.01957	1.16546	1.01734	2.0414	1.58244	1.41073	0.71756	0.135326	0.906468	0.949951	0.323412	1.90194	1.18052	1.90477
BMP7	4.13371	4.81488	3.81866	3.48484	4.43458	3.72512	8.44309	3.5425	4.55893	3.40838	2.14527	2.5059	2.30033	2.26548	0.841009
BMP7-AS1	0.114343	0.451757	0.26486	0.0471336	0.284183	0.0778893	0.678877	0.243885	0.0557028	0.11481	0	0.21272	0	0.0119521	0.131369
BMP8A	0.588035	0.676846	0.768111	0.509083	1.04882	0.495679	0.82278	0.57899	0.151079	1.2431	2.4764	0.627539	0.577509	1.17412	1.76949
BMP8B	0.663484	0.634509	0.641067	0.434801	0.526924	0.360489	0.58536	0.584395	0.205474	1.20011	1.22568	0.355543	0.842817	1.78566	2.25027
BMPER	0.243805	0.0421115	0.0532773	0.0663674	0.250093	0.458279	0.0577746	0.0981162	0	0.0866038	0.150595	0.0427893	0.062327	0.0480842	0.165158
BMPR1A	6.28498	5.82512	6.49657	4.51137	3.09187	5.7167	4.70604	5.7562	4.89507	4.91612	6.66146	2.99041	4.96762	3.86349	4.45786
BMPR1B	0.424393	0.532772	0.711839	0.50556	0.229823	0.779088	0.41343	0.287199	0.436251	0.977351	0.839501	0.788413	1.10531	0.791582	1.17423
BMPR1B-DT	0	0	0	0	0	0	0	0	0	0.180696	0	0	0	0	0
BMPR2	7.90737	6.88164	7.35526	9.02016	5.49215	8.74444	6.17362	7.16033	6.20458	9.77295	12.0953	5.6305	12.4526	7.87565	10.808
BMS1	3.72331	3.84134	3.98831	5.67878	4.01211	6.68378	2.54025	3.06094	3.05128	2.72122	2.45344	3.21553	5.2273	4.01827	3.36133
BMS1P1	3.68718	2.81377	2.52617	1.47285	1.63069	1.11148	2.59737	3.95679	0.669426	1.30084	1.06173	1.94107	0.460033	2.47225	1.94304
BMS1P14	0.430408	1.05052	0.967595	0.425698	0.732332	0.76413	0.408223	0.470327	0.439825	0.75664	0.254555	0.625669	0.222685	1.25837	1.38667
BMS1P17	0.0585227	0.0240645	0.0236051	0.0876177	0.00915351	0.143295	0.0607448	0.0275136	0.00647946	0.00667745	0.0497548	0.0648558	0.0402276	0.289349	0.269368
BMS1P18	0.0585227	0.0240645	0.0236051	0.0876177	0.00915351	0.143295	0.0607448	0.0275136	0.00647946	0.00667745	0.0497548	0.0648558	0.0402276	0.289349	0.269368
BMS1P2	4.93188	3.69645	3.39708	2.08287	2.12819	1.33892	3.49938	5.54562	0.740371	1.61334	1.12065	2.45717	0.361253	2.97647	2.17572
BMS1P20	3.04507	2.96848	3.14255	2.80661	2.09766	2.68502	2.38465	1.87697	2.2966	2.27299	1.83734	2.85101	2.77013	2.92887	2.24442
BMS1P21	0.301474	0.173373	0.122512	0.204092	0.390352	0.512667	0.207308	0.148872	0	0.177548	5.06E-25	0.166848	0	0.302473	0.573099
BMS1P22	0.0231662	0.0759684	0.0827606	0.0599121	0.32193	0.240342	0.105802	0.0121568	0.0141069	0.014538	0.0747374	0.041134	0.106725	0.399188	0.494801
BMS1P4	2.81009	3.01062	2.66484	2.29673	2.66802	1.65184	3.16858	2.46603	0.67717	1.42028	1.41253	1.87542	0.5817	2.33378	2.34789
BMT2	1.56166	1.21351	1.26763	1.43388	0.583649	1.34973	1.2669	1.79484	1.53727	1.89372	3.77105	0.91577	1.39015	1.32247	1.76215
BMX	1.12052	0.431907	0.328006	0.799427	0.334722	2.06234	0.629846	0.41365	0.0524872	0.346183	0.700575	0.0740088	0.589486	0.50905	0.519898
BNC1	6.28872	5.64651	4.52741	20.143	3.87536	19.6336	3.56604	3.55089	7.09353	14.0789	8.50739	11.6168	29.5539	15.3554	6.74829
BNC2	1.38734	0.523685	0.682778	0.637444	0.680824	1.49582	0.964543	1.12772	0.0774863	1.20225	2.53576	0.0821967	0.624864	0.707536	3.28433

BNC2-AS1	0.540725	0.234477	0.313128	0.111447	0.167987	0.322294	0.37043	0.480552	0.0658543	0.135733	0.488329	0	0.104662	0.0565214	0.62124
BNIP1	1.30242	1.09415	1.18797	2.08211	1.29687	2.64453	1.1439	1.00909	2.21662	2.03286	3.58143	1.12308	2.43476	1.46613	1.34288
BNIP2	6.81296	4.72145	5.11058	6.32975	1.7821	6.97948	3.9378	6.28699	5.27516	6.47309	8.33664	3.55136	8.11485	5.1806	5.59178
BNIP3	5.90977	5.12808	3.75173	23.4407	7.35274	23.0004	4.30421	7.39326	72.6993	59.5702	117.541	46.0177	42.6831	41.3234	10.5225
BNIP3L	12.9204	11.9869	13.1627	26.8263	8.09329	26.3861	11.5193	18.0569	75.7204	35.7454	60.4397	26.0701	47.9667	22.2855	13.3438
BNIPL	13.1548	28.7227	25.5112	20.0132	51.1061	15.9971	27.5417	16.2614	68.7956	31.0942	18.7388	37.7948	29.491	17.1601	5.3327
BOC	11.0788	10.7583	7.56647	3.31589	8.59487	9.23504	9.69432	6.25723	1.28398	1.58734	2.52695	1.44074	1.3497	1.79389	4.16486
BOD1	5.62421	4.86038	5.63278	7.55938	4.94441	9.99559	3.83926	3.54138	3.94949	5.21163	11.5363	3.09955	5.28092	5.25979	5.29307
BOD1L1	8.07219	6.09786	6.01681	4.87308	3.43396	7.40237	2.89506	4.48734	3.54259	4.86319	3.38776	4.12023	6.13022	4.83387	5.82944
BOD1L2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOK	3.61925	6.29767	6.14056	15.9748	24.1177	9.44704	6.18881	3.13101	19.7409	15.5927	18.7824	11.2728	22.2476	10.9299	5.42318
BOK-AS1	0.0853456	0.0138857	0.0238052	0	0.181567	0.0246007	0.065317	0.0758791	0.10471	0.0724457	0	0.0413409	0.0561428	0.0745066	0.164505
BOLA1	2.49911	2.43857	2.93612	3.91722	4.92588	3.96981	2.46975	1.45578	2.40422	2.08231	6.35359	1.38246	1.19237	1.33907	0.965121
BOLA2	0.594672	0.295074	0.281516	0.356644	0.436421	0.699491	0.231545	0.0083335	0.598668	0.141319	0.63111	0.171853	0.050952	0.286637	0.509359
BOLA2-SMG1P6	1.1014	0.693261	0.841943	1.23558	0.711214	1.32209	0.989402	1.89364	0.504833	0.973387	2.09198	0.847982	0.811719	1.0291	1.18229
BOLA2B	5.38051	4.29345	3.49544	14.6023	8.46721	9.43971	5.06069	3.24829	7.94447	13.0298	30.8892	8.1573	10.2552	9.56602	5.44763
BOLA3	3.63438	1.65046	1.41691	8.60996	0.778682	8.11005	1.5263	1.67065	1.06841	5.29556	12.7327	1.97279	5.41749	5.85128	3.23964
BOLA3-AS1	0.701472	0.489671	0.507198	0.307369	0.377509	0.442092	0.586499	0.451604	0.0605419	0.221838	0.230704	0.0948514	0.171056	0.329092	0.333157
BOLL	0.0256007	0.030837	0.0211787	0.00659557	0	0.0272483	0.014615	0.0511915	0	0.00803288	0	0	0	0.0133801	0
BOP1	3.80473	4.09823	3.7944	12.6962	14.2197	12.8126	4.91027	2.5593	5.92282	5.50539	4.62877	6.55692	14.1012	8.98072	4.84782
BORA	0.659124	0.66473	0.50796	1.23599	0.145784	0.930229	0.560712	0.661641	0.560607	0.915489	1.18008	0.38843	0.960204	1.101	0.421
BORCS5	2.72634	2.38183	2.30918	1.64852	2.6924	2.53664	3.0551	2.39085	3.06089	1.0696	1.20662	1.90426	0.957556	1.37959	1.25499
BORCS6	2.80522	3.18091	2.70078	3.97493	10.9312	5.84797	2.40218	1.7086	12.1932	3.27802	5.06406	3.76352	5.1957	2.22447	1.51074
BORCS7	3.25356	2.57359	2.93757	3.90546	1.57987	3.09497	1.63601	2.62372	3.60834	3.7241	6.30065	2.2503	3.84717	2.68958	2.86504
BORCS7-ASMT	0.787629	1.0364	0.995605	0.495508	0.172853	1.12269	0.478047	0.644536	0.222063	0.337118	0.535672	0.311927	0.150757	0.456496	0.779695
BORCS8	1.07757	1.51788	1.24225	2.35732	2.84095	2.59631	1.64408	1.20695	2.77408	2.28445	2.99623	1.57745	2.12393	1.96106	2.00258

BORCS8-MEF2B	0.25918	0.333815	0.433225	0.124664	0.0708202	0.578654	0.350774	0.0536774	0.275473	1.71E-05	0.160939	0.046636	0.0867471	0.196005	5.72E-05
BPESC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BPGM	2.31431	1.6601	1.62265	3.45444	1.24129	2.74824	1.27973	1.71551	1.85798	11.215	5.41255	3.92823	11.296	4.37717	5.35061
BPHL	2.07468	2.69396	2.53157	2.65114	2.0303	2.93249	2.68859	1.72396	1.74344	1.4582	3.15006	1.62552	1.45235	1.24155	1.07262
BPI	0	0	0.020754	0.0129266	0.0779385	0.0213615	0.0143219	0	0	0.110205	0.0424807	0	0.0242793	0	0.1261
BPIFA1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BPIFA2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BPIFA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BPIFA4P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BPIFB1	0.0134007	0	0	0	0	0.0114105	0	0	0	0	0	0	0	0	0
BPIFB2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BPIFB3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0077735	0
BPIFB4	0	0	0	0	1.30634	0.0997084	0	0.0189215	0	0.0267221	0.0240346	0	0.0137367	0.00556374	0.122305
BPIFB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BPIFC	4.72212	6.91567	7.51318	3.9388	3.97619	3.30424	7.67363	5.99369	30.4633	10.9879	9.92246	15.5893	1.69679	2.07091	1.88004
BPNT1	1.76319	2.02376	1.61901	3.28206	3.03998	3.90662	1.7602	1.23061	3.92374	3.25576	7.29471	2.13351	3.60934	2.14217	1.97535
BPTF	9.10331	9.69007	9.38126	7.41158	4.84441	8.62478	5.2992	7.17672	7.14915	6.24401	5.6984	6.37185	6.87627	6.34843	7.3429
BPY2	0.00640727	0.00720328	0.0123679	0.00440192	0.00663513	0	0.00243854	0.00759233	0.0130056	0.00536119	0	0.0213947	0	0.00223248	0
BPY2B	0.00640727	0.00720328	0.0123679	0.00440192	0.00663513	0	0.00243854	0.00759233	0.0130056	0.00536119	0	0.0213947	0	0.00223248	0
BPY2C	0.00640727	0.00720328	0.0123679	0.00440192	0.00663513	0	0.00243854	0.00759233	0.0130056	0.00536119	0	0.0213947	0	0.00223248	0
BRAF	3.55157	3.38533	3.64192	2.61889	1.67186	2.83679	2.80528	3.8701	3.84755	2.63729	2.86051	2.49402	2.61208	2.34301	2.51471
BRAP	3.09071	2.87332	3.03122	3.56916	2.18225	4.77026	2.88726	2.69581	3.70128	2.63409	3.17184	2.40843	3.70705	2.45747	2.17403
BRAT1	3.65049	4.23943	4.13802	5.00396	11.7414	8.39368	4.93958	2.81706	3.33442	2.27338	3.67269	3.45445	3.99588	3.62284	4.25209
BRCA1	0.575275	0.622512	0.561728	2.07979	0.322282	1.7586	0.509672	0.474938	0.39051	1.08107	1.27754	0.661298	1.91261	1.35381	0.75845
BRCA2	0.461398	0.261482	0.255588	0.814815	0.0473597	0.811709	0.194942	0.476888	0.1312	0.686248	0.940761	0.285057	0.702919	0.652264	0.703492
BRCC3	2.59688	2.41116	2.59888	4.05899	1.01766	3.91836	1.33382	1.93611	2.44173	2.39745	2.4593	1.81295	3.52925	2.30609	1.65502

BRD1	6.30325	8.03003	8.74805	6.07164	11.6296	7.76547	9.9429	5.89208	9.63981	4.52528	2.76292	7.05054	6.49982	5.69984	4.4896
BRD2	2.46473	2.50905	2.49331	3.28973	3.69545	5.23875	2.36784	2.13409	3.22587	2.64835	2.31123	2.59479	3.97186	2.73403	2.613
BRD3	4.3584	5.35372	5.14618	4.36126	6.60928	8.05655	4.63465	4.02611	3.55134	2.84434	3.46256	2.6767	2.90532	3.18137	3.97437
BRD3OS	0.90206	0.991307	0.82226	1.23236	1.58653	2.72064	1.17052	0.650342	0.826875	1.20936	1.94053	0.621614	1.36588	0.894468	1.51914
BRD4	6.0527	8.28704	8.41219	10.5016	11.5811	15.545	11.9152	9.3541	7.71651	6.35232	5.50739	7.93868	12.5643	7.59091	8.93898
BRD7	11.3314	10.2004	9.87919	16.6494	7.21471	17.2345	6.30883	8.32668	15.958	11.4203	10.2716	10.5216	13.5303	9.46403	7.86345
BRD7P3	0.489004	0.135929	0.256726	0.125983	0.0292151	0.160146	0.236216	0.267438	0.0343588	0.0472116	0.148622	0.100931	0.0242694	0.294894	0.567219
BRD8	2.67816	2.70477	2.1828	4.78523	3.76793	5.15942	1.83696	1.83019	1.94737	2.21813	2.50918	1.94817	2.36353	2.91847	3.19211
BRD9	3.4953	3.77321	4.2278	4.33193	5.57337	5.81149	3.90011	3.00632	1.95106	2.99941	2.20454	2.97938	4.33946	4.22445	3.50807
BRDT	0	0	0	0.00588733	0	0	0	0	0	0	0	0	0	0	0
BRDTP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRE-AS1	0.211939	0.168033	0.138485	0.215638	0.351234	0.375102	0.340336	0.198362	0.118927	0.42304	0.759074	0.180725	0.21928	0.237729	0.957541
BREA2	0.207872	0.378366	0.267503	0.166614	0.394651	0.0393333	0.395569	0.184739	0.0281294	0.144945	0	0.0826321	0.0596079	0.193143	0.36487
BRF1	2.13391	2.49223	2.40641	2.09915	5.44313	3.30327	2.57141	1.89736	1.83994	1.47529	1.37733	2.11341	2.30383	1.84142	2.23344
BRF2	2.40688	1.70605	1.8284	2.07816	2.87593	3.65546	2.08749	1.32661	1.1838	1.53949	3.14814	0.836253	1.5753	1.51899	2.14374
BRI3	15.5324	10.751	12.352	22.2179	11.5321	36.6221	16.6689	10.7998	12.4512	21.5341	36.8708	10.6242	17.193	13.9636	14.7121
BRI3BP	1.58638	1.97919	1.90242	3.93408	3.31	2.84221	2.22002	1.39248	2.09846	2.41417	4.20001	3.21653	5.4606	3.68962	1.05277
BRICD5	0.384846	0.472936	0.666944	0.254048	1.49076	0.352769	0.283221	0.495947	0.136344	0.0963255	0.119592	0.525456	0.0975318	0.453737	0.210412
BRINP1	0.108619	0.0418674	0.011981	0.649222	0.224963	1.05436	0.0744105	0.0836605	0.220476	0.345364	0.359677	0.300516	0.537282	0.162738	0.103994
BRINP2	0.0189335	0.00608163	0	0.00650384	0	0.0376171	0.0216177	0	0	0.0158423	0	0.00903162	0.0162877	0.00659698	0.0181273
BRINP3	0	0.0264862	0.0284227	0	0	0	0.0313824	0.0671745	0	0	0	0	0.0221671	0	0
BRIP1	0.814567	0.679844	0.688859	0.941842	0.359091	0.901908	0.600976	0.568819	0.8659	0.758045	0.949858	0.58166	0.620842	1.09278	0.827993
BRIX1	6.03574	4.45852	4.90295	8.99277	1.6379	7.49231	2.20027	3.87763	5.51314	5.40779	9.25582	4.00653	11.9876	6.89818	3.86408
BRK1	27.4529	21.2394	19.8945	43.1158	16.7824	37.9877	22.4469	21.5645	59.5829	53.9937	82.0202	35.4846	48.7187	28.8504	24.6164
BRMS1	7.08627	6.26208	6.68827	19.219	18.2373	17.827	6.74848	4.26523	10.1405	11.1781	11.8174	9.06909	17.831	12.0451	5.25027
BRMS1L	1.639	1.32479	1.48185	2.09515	1.01559	2.00568	0.5113	1.39293	1.72342	1.6412	2.42653	1.03817	1.54865	1.18428	1.59493

BROX	5.63528	5.07167	5.33693	7.21583	1.56852	5.61481	3.5985	5.47501	8.67064	7.28408	7.35177	4.71092	8.96288	5.01889	4.00623
BRPF1	3.33677	3.01124	3.23189	3.57919	4.82752	5.05609	3.82651	2.6754	3.79684	2.49445	1.72118	2.27949	4.96577	3.08308	2.77728
BRPF3	2.80499	3.81748	3.1851	3.93203	6.20739	7.07034	3.65013	2.93335	5.04936	3.65558	3.06238	3.23326	4.94586	3.92207	3.96761
BRS3	0	0.0236745	0	0	0	0	0	0	0	0	0	0	0	0	0
BRSK1	0.232858	0.152005	0.192636	0.116113	0.571733	0.42853	0.291599	0.15354	0.0274446	0.452532	0.720765	0.123618	0.25686	0.612434	0.636464
BRSK2	0.185838	0.296476	0.225483	0.0723488	0.500363	0.281313	0.363071	0.286273	0.0201182	0.0518325	0	0.121152	0.00532897	0.0474844	0.21351
BRWD1	5.38277	4.95699	4.85833	3.92639	1.60208	2.75355	3.5846	5.13646	4.13686	3.8688	3.26555	3.50247	3.67342	3.72036	2.96737
BRWD1-AS1	0	0.016137	0.0831211	0	0.156074	0.0285181	0.0764804	0	0	0	0	0	0	0	0
BRWD1-AS2	0.527542	0.36469	0.151798	0.212732	0.534427	0.507786	0.419013	0.224226	0.251408	0.230303	0.207141	0.0656471	0.266375	0.215778	0.0988197
BRWD3	2.50371	3.29561	3.41367	2.2278	1.30668	2.26435	2.46621	3.09808	2.76062	2.15246	1.81754	1.85878	2.50711	1.95431	2.09919
BSCL2	1.83767	0.898664	1.02679	0.81892	0.966507	0.962503	1.74646	2.14339	0.746646	0.613327	4.41476	0.593455	0.366915	1.04243	1.17178
BSDC1	6.78386	7.74695	8.30929	7.68645	10.8848	8.9592	8.59609	5.65504	10.4235	7.11739	6.9754	5.76022	7.3769	6.06732	5.38102
BSG	30.7703	24.3592	25.5118	73.5836	47.3452	96.2637	34.1829	22.0644	49.0406	55.1528	83.9329	36.692	81.3563	49.0119	38.4626
BSN	0.163868	0.113191	0.131964	0.0642604	0.195976	0.297584	0.170541	0.100525	0.00883064	0.0345818	0.0261927	0.0342417	0.0168414	0.0553278	0.193683
BSN-DT	0.00889091	0	0	0.00916235	0	0.0227115	0.0101514	0.015803	0	0	0	0	0	0.00464678	0.0127685
BSND	0	0.00813918	0.0139749	0	0.0262403	0	0	0	0.0205735	0	0	0	0	0.00882888	0
BSPH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSPRY	3.3789	4.53959	4.7317	5.72269	11.2427	4.0029	5.78127	3.92551	25.943	14.6278	12.3498	10.5749	16.1958	5.78414	1.65971
BST1	0.906957	0.519863	0.866725	1.06356	0.461509	2.15701	0.714162	0.639264	0.057133	1.29534	4.07772	0.123077	0.726411	0.58026	1.19022
BST2	3.20233	1.71801	1.8037	8.77683	9.38418	27.9829	2.72279	1.45326	1.07874	2.73651	7.99921	0.406268	2.41781	1.32944	5.28389
BSX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BTAF1	11.121	13.6777	15.2419	7.28568	3.09537	5.63069	10.1146	11.558	7.1205	7.82508	6.44046	7.16212	5.59464	7.75952	5.87468
BTBD1	7.30171	4.87372	5.62143	8.89473	2.41482	11.1945	4.36921	6.85162	3.70955	8.81128	13.1185	3.7045	10.0709	7.08461	6.15225
BTBD10	3.22356	2.9384	3.03367	5.78693	1.93156	5.26707	2.20652	2.81555	5.00627	7.7538	7.00973	3.80835	8.12518	5.27784	3.81046
BTBD11	3.04096	2.9341	3.00726	9.16926	4.24706	6.37909	2.8956	2.85096	3.94477	6.67309	3.60822	4.62691	11.4538	4.80656	2.14177
BTBD16	0.147722	0.521947	0.814705	0.0888016	0.229463	0.188675	1.22281	0.328207	0.389801	0.0772524	0.0138966	0.123315	0.055597	0.0128676	0.0176789

BTBD17	0.0402255	0.0258417	0.0110924	0.0276357	0.041656	0.148423	0.0153094	0	0	0.016829	0	0.00959413	0.00865109	0.0280314	0.15405
BTBD18	2.09563	1.69382	2.18591	0.281688	0.860987	0.484892	2.14998	1.61275	0.129462	0.324014	0.145714	0.445498	0.112674	0.7024	1.07953
BTBD19	0.868601	0.829917	1.03522	2.32124	3.01863	2.67009	1.34473	0.719605	1.00407	1.62604	1.37941	3.72904	0.778884	2.69303	4.2074
BTBD2	10.3074	10.8398	11.4669	19.5315	18.9221	26.646	13.1413	9.37249	5.99671	7.18961	15.8171	7.62824	11.1789	10.4231	8.91211
BTBD3	4.18553	3.6596	3.84607	4.49706	3.03269	4.99481	3.68978	3.83067	4.69582	3.7763	4.57396	3.03314	4.34551	3.81834	3.56562
BTBD6	10.4243	9.52886	10.1654	14.8835	16.4458	21.3126	10.3196	5.91047	15.5468	12.1918	15.5807	9.53399	14.0375	11.0912	7.19257
BTBD7	3.78269	3.79528	3.76474	4.33382	2.17625	3.81535	3.6019	3.55922	4.91285	4.97503	4.61926	3.84566	6.9523	4.02473	4.10035
BTBD8	0.303883	0.346773	0.344012	0.263713	0.173907	0.340463	0.255657	0.184782	0.0389573	0.180665	0.523596	0.080108	0.0412765	0.125386	0.160784
BTBD9	2.46921	2.50657	2.7753	2.75815	2.96956	2.56042	3.19949	2.28212	3.59004	2.72761	1.65131	2.30866	4.3003	2.12853	2.50815
BTBD9-AS1	0.603423	0.68409	0.704745	0.512108	0.496231	0.211568	0.810552	0.914817	0.129689	0.801908	0.0801399	0.634949	0.0229015	0.723508	0.458784
BTC	1.2332	2.31727	3.03336	0.288059	0.549134	0.532027	2.61893	1.84122	0.15019	0.0309559	0.0464043	0.0235303	0	0.0214841	0
BTD	1.73278	1.56365	1.58546	2.00254	1.31492	1.91244	1.92769	1.15351	1.63955	1.40409	2.42662	1.04801	1.57269	0.946551	1.89591
BTF3	94.4637	78.4538	78.6668	168.124	71.7255	166.716	68.0599	81.678	154.818	141.421	233.562	116.541	142.047	97.7833	54.2859
BTF3L4	5.51787	5.10347	5.26162	5.47566	1.80404	5.29259	4.49598	6.83081	5.7853	4.96728	7.86635	3.72345	5.32895	3.79563	3.4575
BTF3P11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BTG1	22.2863	26.6963	22.9319	45.7827	25.3564	36.9022	17.3547	21.4747	41.5497	42.3599	53.1053	20.7098	35.045	21.5907	13.2654
BTG2	15.6905	16.6376	17.7826	13.5039	20.872	24.2055	14.8933	15.1507	41.1712	26.2397	32.5438	28.3179	19.5033	10.5697	12.8728
BTG3	6.54842	8.14312	7.52673	13.9214	7.20109	13.7809	3.83049	7.34891	13.78	17.3025	22.462	11.2688	15.9573	11.1479	5.33075
BTG3-AS1	0.860788	1.18904	1.1029	1.5731	3.5325	0.833132	0.763872	0.658602	0.532351	0.870442	0.977904	0.816494	0.280833	0.729476	0.348152
BTG4	0	0.0110076	0	0	0	0	0	0	0	0	0.077371	0	0	0	0
BTK	0.852442	0.616079	0.87222	1.23293	0.696914	1.01236	0.503721	0.657898	0.327846	0.722653	1.19866	0.235417	0.916651	0.363453	0.977224
BTLA	0.129572	0.0450883	0.0714609	0.0741822	0.0111817	0.0735527	0.0328759	0.204717	0.0175338	0.0542088	0.138145	0.00515069	0.0603773	0.0188111	0.113717
BTN1A1	0.0405876	0.0352003	0.0604385	0.025096	0.0504373	0.00691196	0.027805	0.0577134	0	0	0.0458183	0.0058083	0	0.0169703	0
BTN2A1	3.25775	2.71582	3.0805	2.5442	3.19907	4.44562	2.41566	1.91256	1.26247	2.64419	3.23717	1.35177	2.65007	2.71903	3.7488
BTN2A2	1.02753	1.7798	1.95467	1.0934	1.18201	1.31332	1.2818	1.02638	0.607795	0.932203	1.30881	0.276582	1.10396	0.608622	1.52767
BTN2A3P	0.493992	0.606259	0.570589	0.374601	0.680471	0.642846	0.510814	0.323052	0.215677	0.327553	0.452437	0.206743	0.144326	0.526106	1.0173

C10orf142	0.0833984	0.0703196	0.068993	0	0	0.0710126	0.190443	0.0185294	0	0.0261684	0.0470732	0	0	0.0217938	0.748566
C10orf143	0.458535	0.471038	0.443748	0.356629	0.322534	0.493571	0.414881	0.315242	0.453077	0.228032	0.615295	0.278571	0.156295	0.13113	0.111823
C10orf25	0.314286	0.136735	0.199993	0.101309	0.0888887	0.531325	0.119445	0.188917	0.0417565	0.0946714	0.243319	0.019626	0.0857874	0.193531	0.295439
C10orf53	0.00446691	0	0	0	0	0	0	0.00396982	0	0	0	0	0	0	0
C10orf55	0.300179	0.680914	0.305619	0.479344	1.70977	0.660635	0.260532	0.39867	0.184036	0.421145	0.705353	0.404149	0.68605	0.607734	0.449341
C10orf62	0.0186337	0.080802	0.0462453	0	0.144723	0.0158663	0.170203	0	0	0	0	0	0	0.0194776	0
C10orf67	3.30E-14	0.0551259	0.0848122	0.056102	0.018792	0.0257528	0.0690643	0	0.0442012	0.00759198	0.00682844	0.060594	0.0443249	0.037937	0.0347479
C10orf71	0.0306472	0.0274232	0.0398413	0.00451184	0.0136016	0.00372796	0.0449898	0.0116729	0	0	0.00494242	0.0031327	0.0141239	0.0457645	0.081739
C10orf71-AS1	0	0.0481324	0	0	0	0	0	0	0	0	0	0	0	0	0
C10orf82	0.0646815	0.0124658	0.0321055	0.0666562	0.0401891	0.0660906	0.147703	0	0	0	0.0146035	0.00925627	0.00834644	0	0.111469
C10orf88	0.952111	0.971666	0.719432	1.09707	0.605557	1.14265	0.582064	0.872808	0.84913	1.03504	1.47258	0.552519	1.20441	1.06184	0.62446
C10orf90	0.140419	0.112631	0.137676	0.0267973	0.185805	0.230125	0.217853	0.290803	0.00633385	0.0195822	0.0117419	0.0111637	0	0.00815432	0.0373442
C10orf91	0.0622125	0.0599499	0.1544	0.224391	0	0.238379	0.0710322	0.0552893	0	0.117125	0.351151	0.178059	0.160557	0.113802	0
C10orf95	0.495313	0.800089	1.03606	0.362384	1.55048	0.379815	1.12219	0.425537	0.449856	0.851605	0.367865	0.605784	0.581682	0.510163	0.339377
C10orf99	31.0531	24.0251	7.9542	137.366	67.3829	97.1734	14.9991	18.0339	213.06	154.741	232.796	222.713	111.952	72.8071	24.8068
C11orf1	2.77811	3.27828	3.05113	3.90261	0.767988	3.18353	2.1236	3.1385	2.95333	2.06845	4.03977	2.25734	1.33672	1.82845	1.45388
C11orf16	0.0240447	0.0579256	0.0497287	0.0123894	0.112049	0.0102369	0.0137267	0.021369	0.0146419	0.0150893	0	0.00860232	0	0.0314171	0.0863282
C11orf21	0.166008	0.196327	0.237213	0.139971	0.281311	0.167055	0.163696	0.140828	0.00918997	0.0378832	0.10222	0.0755894	0.0778965	0.0946507	0.357613
C11orf24	3.56724	3.59134	3.61598	7.40903	4.344	11.9154	4.65123	2.95501	3.40588	6.89553	15.8842	3.94687	12.4455	9.02282	13.4084
C11orf40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C11orf42	0.384705	0.39998	0.184253	0.166926	0.251613	0.206887	0.231181	0.16195	0.0246593	0.101651	0.0685712	0.0144877	0.0130637	0.148152	0.174469
C11orf44	0.0587221	0	0.0323861	0.0336194	0.0101351	0.0222227	0.0372484	0.0057986	0	0.0409457	0.0147311	0.0980403	0.0210485	0.0647916	0.0468513
C11orf45	0.610445	1.21397	0.742653	0.962125	1.3015	0.922364	1.10015	0.462731	0.444614	0.623453	0.641824	0.488177	0.393856	0.353452	0.326605
C11orf49	3.27737	5.16952	4.93785	3.00007	4.66429	5.28506	6.18789	3.89711	4.74964	2.17162	4.47484	2.51536	2.08501	2.69854	2.6952
C11orf52	0.870365	1.01398	1.30884	0.983272	0.788354	0.932103	0.764904	0.73919	0.791174	0.483097	1.05419	0.519771	0.275059	0.169762	0.0291547
C11orf53	0.0191582	0	0.015849	0	0	0	0.0656225	0	0	0.0961818	0.0865087	0	0.049443	0	0.0550271

C11orf54	1.68117	1.96155	2.26578	1.26591	1.16449	1.9055	1.88985	1.67219	1.939	1.39738	1.88946	1.11529	1.04398	1.08426	1.25249
C11orf58	10.1177	9.11053	9.13007	12.8476	9.1601	14.2753	6.69133	10.2563	12.1453	12.7711	20.5329	8.25041	16.8451	10.0348	8.77587
C11orf65	0.293167	0.310827	0.394339	0.147746	0.131386	0.199442	0.194287	0.306462	0.0475439	0.0734951	0.0882704	0.0890203	0.0335829	0.164371	0.21491
C11orf68	5.00591	5.58965	5.4807	7.53148	11.7908	10.6246	5.88521	3.48515	5.11973	7.71847	15.4104	4.8892	13.197	6.71545	7.33845
C11orf71	2.09168	1.96571	1.84174	1.22716	1.4637	2.27479	2.09264	2.13498	5.3723	1.22166	2.81712	1.25215	0.561194	0.676486	0.713801
C11orf72	9.47768	10.6004	10.8508	5.15917	7.65842	4.73132	10.3317	7.38584	3.28943	6.35135	2.1019	7.13516	5.02225	7.40906	8.11595
C11orf74	1.0354	0.812974	0.697933	1.69931	1.21485	1.87754	0.525415	0.817933	0.583795	1.78084	3.6784	0.782013	1.27421	0.972055	1.26667
C11orf80	3.49235	5.79586	5.65478	5.08572	7.31038	2.73647	3.65801	3.54584	4.98035	4.42072	3.77396	4.96927	5.28968	3.81691	1.45748
C11orf86	0	0	0	0	0	0	0	0	0	0	0.0440196	0	0	0	0
C11orf87	0.0896564	0.0488323	0.0677205	0.00803422	0.0181653	0.0298727	0.0534088	0.0381074	0.0142424	0.0195701	0.00880095	0.0195244	0.0402406	0.0733435	0.0111963
C11orf88	0	0	0	0	0	0	0	0.0258712	0	0	0	0	0	0	0
C11orf91	0.691985	0.271666	0.212022	1.00364	0.47773	0.174583	0.643774	0.204993	0.37456	3.60272	0.462912	0.75187	1.48822	1.35288	1.36184
C11orf94	0.125777	0.212105	0.156078	0	0.0976879	0.107098	0.287217	0.111781	0	0.0789318	0	0.449986	0.121726	0.164342	0.361265
C11orf95	1.63353	1.37835	1.4577	2.63191	4.99115	3.94685	1.33493	1.11276	0.717012	2.07627	2.10615	1.40319	2.91039	2.81912	3.11405
C11orf96	10.7699	1.81366	2.19136	7.61463	12.3169	74.0607	8.77483	2.09083	0.700396	5.05259	13.1022	0.822986	7.56708	7.44133	11.863
C11orf97	0.0383163	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C11orf98	3.52969	3.90936	4.23839	10.914	5.68341	13.1456	5.28399	3.59808	11.6276	10.1467	16.1674	6.64878	13.0149	8.21618	4.94768
C12orf10	6.68577	4.84573	5.29458	6.7721	7.45612	13.2995	6.78542	3.87653	5.26596	5.49859	11.4824	4.59304	7.31227	5.9333	4.18532
C12orf29	2.81587	3.13242	3.16841	4.80498	1.35091	2.28753	2.61429	3.88276	10.0041	7.24963	9.01394	4.60004	8.8281	4.3661	2.05534
C12orf4	1.7143	1.67216	1.5124	3.2553	0.605204	2.32226	1.08817	1.66203	2.16813	3.0544	4.11407	1.86996	3.83252	2.54066	1.97989
C12orf40	0.0259568	0.0225115	0.012884	0.00534984	0.0241919	0.0176815	0.0237093	0.0276819	0	0.00651568	0	0.0148582	0	0.0379852	0.00745544
C12orf42	0	0.0133023	0	0	0.0107215	0	0	0	0	0	0	0.0049387	0.017813	0.00360739	0
C12orf43	1.9637	1.35984	1.30224	2.7856	2.11175	2.90411	1.58853	1.25765	1.37491	1.44686	1.61546	1.1946	2.53908	1.62466	1.3016
C12orf45	4.01841	2.9759	2.7087	5.90488	2.19625	4.56216	2.76135	2.31468	2.31104	2.33496	5.75436	1.83698	2.97675	3.16974	2.7786
C12orf49	2.92994	2.46417	2.59699	4.63246	4.00939	5.26062	3.03666	2.5729	8.32621	5.01806	6.42307	3.51904	7.72752	4.46172	3.38751
C12orf50	0	0	0	0	0	0	0	0.0119718	0	0	0	0	0	0	0

C12orf54	0	0.137972	0.193825	0.10731	0	0.0664994	0	0	0.380459	0.490105	0.587753	0.149017	0.65505	0.517021	0.112159
C12orf56	0.469796	0.754515	0.351634	1.30256	1.87651	0.333354	0.817369	0.666037	4.71349	4.96985	4.89935	4.70614	4.09199	5.36087	1.04416
C12orf57	22.0795	16.1111	18.2833	17.5803	18.8336	39.0858	22.708	13.6865	12.668	19.7027	53.9565	7.88402	9.11277	10.906	16.4044
C12orf60	0.12332	0.108932	0.187035	0.317712	0.0319264	0.122506	0	0.109597	0.225285	0.103186	0.278426	0.117652	0.0795654	0.193357	0.236137
C12orf65	1.12698	1.45949	1.29341	2.05023	1.24771	2.26831	1.00553	0.996321	0.743506	1.21203	1.58069	0.802613	1.3034	1.24843	0.797035
C12orf66	1.92027	1.50241	1.54972	1.48871	0.766234	1.76009	1.53542	1.63873	1.3231	0.648599	1.19325	1.00844	1.08361	0.801052	0.657812
C12orf71	0.551025	0.507898	0.535124	0.419713	0.409359	0.142797	0.465018	0.361956	0.0291777	0.270623	0.0270452	0.325704	0.046372	0.338075	0.309655
C12orf73	0.8612	0.889156	0.633285	0.859318	0.42468	0.907896	0.686743	0.680323	0.466153	0.772068	1.65118	0.449932	0.670298	0.72159	1.23679
C12orf74	0	0	0	0.0906063	0.0303496	0	0	0.0694559	0	0	0.0220562	0.00699007	0.00630299	0	0
C12orf75	5.52316	4.8325	3.25166	31.0254	2.44749	18.2201	3.50128	3.85455	5.28223	14.6723	28.4207	6.8129	13.8605	11.3518	5.57183
C12orf76	0.505465	0.634944	0.567497	0.632516	0.406601	0.622538	0.587429	0.489323	0.241842	0.532451	0.906857	0.284172	0.366888	0.386832	0.440731
C12orf77	0	0.00738945	0	0	0	0	0	0	0.0373567	0	0	0	0	0	0
C12orf80	0.0537377	0.0604139	0.0740927	0.0553783	0.0278244	0	0.040904	0	0.152709	0.0224821	0.0808843	0.192254	0.0231142	0.121705	0
C13orf42	0.0856833	0.165134	0.184296	0.0441495	0.332739	0.0291833	0.215227	0.137067	0.0626116	0.0322624	0.0386903	0.0367852	0	0.0537382	0.196883
C14orf119	2.67186	2.55576	2.57715	8.83874	1.84314	6.14929	2.37771	2.25035	6.24965	6.24325	10.5301	3.18245	5.37335	3.84912	3.3515
C14orf132	2.1473	2.81998	2.96795	1.23239	3.56424	2.63347	4.51668	1.25914	1.21252	1.58968	2.04164	1.19712	1.14597	1.90276	3.30374
C14orf144	0.00597394	0.00287834	0.0444786	0.0123126	0.046398	0.0305204	0	0.00530914	0	0.0149958	0.0539507	0.00854903	0.0115631	0.0156112	0.154428
C14orf177	0.0162865	0.00784706	0	0	0.0252985	0.0416031	0	0	0	0	0	0	0	0	0
C14orf178	0.286601	0.3107	0.148185	0.110757	0.166947	0.335551	0.081808	0.127354	0.043631	0.134893	0.0808843	0.128169	0	0.112343	0.308697
C14orf180	0.107506	0	0.00808512	0	0.0151812	0.0166436	0.0669527	0.00868565	0	0	0	0	0	0.0102159	0
C14orf28	0.684894	0.713705	0.724712	0.541663	0.334008	0.840862	0.636503	1.04041	0.611044	0.579739	0.952965	0.302014	0.585761	0.374605	0.514672
C14orf39	0.0167521	0	0	0	0	0	0	0	0	0	0.0283666	0	0	0	0
C14orf93	1.80311	1.5405	1.56086	1.49419	2.05011	2.35839	1.01876	1.32161	0.577296	0.921569	1.81515	0.605186	0.905502	0.976389	1.04114
C15orf32	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0205707	0
C15orf38-AP3S2	3.01898	1.26115	1.25307	2.41798	2.34548	4.43147	2.54295	1.98199	2.33855	1.91132	3.33072	1.96997	2.50161	1.53194	1.46936
C15orf39	3.95215	4.01495	4.82207	7.01427	6.44762	11.2574	6.50005	4.19994	3.48262	4.30422	5.32899	3.54231	9.34965	6.35516	6.83196

C16orf95	0.338873	0.201692	0.148415	0.924402	0.402531	0.831692	0.364155	0.159439	0.267047	0.575434	0.58507	0.427893	0.334389	0.562585	0.200391
C16orf96	0.121592	0.130189	0.212356	0.0278454	0.146903	0.224324	0.115692	0.0960543	0.016454	0.0254351	0	0	0	0	0
C16orf97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C17orf100	0.786775	1.4591	1.42456	0.795496	1.6372	0.846891	1.00001	1.17416	0.325427	0.968851	1.08927	0.870992	0.488467	0.892232	0.319785
C17orf102	0	0	0	0	0	0.0049302	0	0	0	0	0	0	0	0	0
C17orf107	0.431612	1.41208	1.38364	0.977249	1.70118	1.5712	0.87676	0.553304	1.70339	1.61387	0.720274	1.28951	0.714597	1.59026	1.12959
C17orf112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C17orf113	0.327979	0.325928	0.288286	0.253494	0.413941	0.506177	0.327667	0.0910878	0	0.012864	0.0694215	0.0146674	0.0198385	0.0696379	0.103036
C17orf47	0.0652836	0.137664	0.108014	0.217329	0.202816	0.357475	0.0869619	0.135377	0.0132514	0.0136563	0.027142	0.085639	0	0.142167	0.312519
C17orf49	12.4133	7.65034	7.75688	22.783	15.1421	29.7449	9.51354	6.95918	10.3656	12.7082	31.6116	9.30439	12.5916	10.2711	10.9802
C17orf50	0.224472	0.638108	0.965635	0.0231325	0.523024	0.0191135	0.358813	0.319187	0.0546763	0.0563471	0	0.176677	0.0144828	0.0703913	0.096711
C17orf51	0.544061	0.473537	0.619472	0.512441	0.786047	1.60398	0.597813	0.366536	0.231555	0.524988	0.838714	0.383011	0.898322	0.932545	1.60469
C17orf53	0.279854	0.253332	0.252561	0.585534	0.342498	0.902621	0.396989	0.195954	0.0929537	0.329958	0.478667	0.315534	0.514323	0.638242	0.377547
C17orf58	2.21677	1.28169	1.11255	1.88847	1.05598	2.41606	1.13053	1.28712	1.38588	1.00162	2.98627	0.729632	1.86885	1.45209	1.40077
C17orf64	0	0.0232306	0.0199433	0	0	0.0410542	0	0.0214246	0	0	0.0272142	0	0	0	0
C17orf67	0.419135	0.414807	0.459194	0.326867	0.439906	0.501572	0.388017	0.19128	0.441478	0.454969	0.613818	0.194531	0.299659	0.260502	0.536857
C17orf75	1.03219	0.911948	0.856391	1.18099	0.832216	1.19965	0.668816	0.905566	0.651904	0.762187	1.12301	0.563665	0.925295	0.670335	0.775974
C17orf77	0	0	0.0138686	0.0691042	0	0	0	0.00744934	0	0	0	0.0119953	0	0.0306661	0.0240756
C17orf78	0.168839	0.34864	0.279352	0.111853	0.168599	0.0821511	0.247854	0.15005	0.088126	0.0454094	0.0272284	0.163955	0	0.277335	0.190516
C17orf80	1.89759	1.78241	1.69665	2.10829	0.853916	2.73574	0.97908	1.27309	0.905262	1.84472	2.91681	1.33536	1.6385	1.77158	1.94957
C17orf82	0.0907571	0.014576	0.0250269	0.15588	0.211466	0.437911	0.0690823	0.0403287	0	0.246804	0.426889	0.0649391	0.0195187	0.173923	0.195508
C17orf97	0.251692	0.636662	0.572597	0.674377	0.684187	3.85762	0.54601	0.436181	0.873617	0.280259	0.681909	0.207106	0.633322	1.01833	0.83136
C17orf98	0.0408888	0	0	0	0	0.0348163	0	0	0	0.0513196	0	0	0	0.0213703	0
C17orf99	0.0636965	0.16368	0.122953	0.175043	0.164904	0.0723156	0	0.0188694	0.0775751	0.133243	0.31159	0.106345	0.0273978	0.0443874	0
C18orf12	0.258582	0.581413	0.392181	0.222063	0.468611	0.110089	0.246033	0.229806	0.209949	0	0	0.215859	0	0.202719	0.123785
C18orf15	0.57538	0.31243	0.31733	0.10353	0.666776	0.085543	0.646522	0.470766	0	0.0229257	0	0.0914888	0	0.224346	0.275439

C18orf21	4.25076	2.7011	2.44628	4.42287	0.956943	4.58117	1.35989	2.71923	2.22584	4.02069	6.14311	2.4391	4.4517	4.07836	2.56572
C18orf25	4.59049	4.18273	4.35107	5.82603	2.32864	3.47603	3.37974	4.87375	5.02855	4.55502	3.987	3.27551	5.74038	3.53685	2.77932
C18orf32	3.18873	3.31957	2.18708	4.31979	1.37659	5.68288	1.93232	2.55589	4.73975	5.62102	8.14199	2.916	4.31528	1.90419	2.76959
C18orf54	0.12602	0.152776	0.164787	0.402171	0.0694609	0.304607	0.139245	0.169801	0.0891167	0.331644	0.541511	0.136711	0.372442	0.369687	0.496239
C18orf61	0.00853043	0.0698715	0.0493988	0	0.0132507	0	0.00973977	0.0530679	0.0207782	0.0214131	0.00962979	0.024415	0.0165114	0.0133751	0.0612539
C18orf63	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00477614	0
C18orf65	0	0.0214849	0.0368893	0.0574412	0.103899	0.0664461	0.0127283	0.00990733	0.0543076	0.0699588	0.0880922	0.0398831	0.050348	0.0349583	0.0320196
C19orf12	1.40708	1.43553	1.45966	1.94258	1.53344	3.28244	1.76976	1.14727	1.65926	1.88936	2.91966	1.08351	2.39496	1.44979	1.82829
C19orf18	0.632324	0.706819	0.418482	0.10426	0.275021	0.366122	0.231029	0.269739	0.184824	0.158726	0.11421	0.0361956	0.130551	0.17185	0.47221
C19orf24	4.68033	4.83404	5.30514	12.2579	14.3395	14.3116	5.87528	3.74583	9.10128	8.47066	17.8647	6.6978	13.497	8.46014	6.98149
C19orf25	1.28174	2.03548	1.55234	2.97988	5.73403	5.22117	2.00199	1.3487	1.73585	2.94716	4.12083	1.87092	2.44122	2.701	2.06163
C19orf33	45.3502	34.7553	35.5505	82.3052	57.2798	41.6819	49.8195	25.5835	72.6516	70.8321	50.6823	61.1455	36.4137	52.2096	8.13091
C19orf38	0.189232	0.0638223	0.0626184	0.721533	0.529096	1.14401	0.237665	0.117721	0	0.641264	1.3458	0.0406201	0.647084	0.0692306	0.516346
C19orf44	0.459506	0.762804	0.815781	0.593411	1.3969	1.03698	0.421445	0.446262	0.208118	0.388439	0.53428	0.572881	0.343812	0.689941	0.805859
C19orf47	2.35248	2.89829	2.45828	3.37062	5.00052	5.54372	3.33393	2.3291	3.84521	2.6677	4.00679	2.93832	5.51873	3.28409	2.03004
C19orf48	3.78162	4.61219	4.54343	10.0134	7.84289	10.3971	5.31772	3.27836	3.4887	3.9962	8.70081	3.90026	6.0565	5.67613	2.2493
C19orf53	9.92936	9.44557	7.94046	22.0392	9.72881	19.2074	11.7149	7.35366	18.5734	16.936	31.8164	11.659	14.2419	11.9226	8.51933
C19orf54	1.38626	1.34571	1.17506	1.41451	1.80329	2.4538	1.58279	1.31089	0.848313	0.839952	1.23343	1.9545	0.788666	1.06001	1.55933
C19orf57	0.260389	0.627297	0.522211	0.447231	0.894746	1.04812	0.585598	0.19635	0.691908	0.495174	0.418651	0.626697	0.519278	0.470131	0.147314
C19orf66	3.36747	3.92023	3.55096	8.42552	6.55082	12.9888	3.17108	2.60277	3.00082	2.6666	4.63316	2.33702	2.97664	2.94273	5.91268
C19orf67	0.0959629	0.107885	0.172006	0.0824105	0.397503	0.0408556	0.273918	0.227424	0.0389573	0.120443	0.0541651	0.068664	0.0206383	0.0417953	0.0689074
C19orf70	8.62602	5.80847	6.05694	13.0523	10.2618	17.5562	7.25457	4.48747	7.73821	9.50623	23.8932	5.31407	7.91381	7.85114	5.89191
C19orf71	1.0692	1.13002	0.998651	0.675324	1.33939	0.822307	1.92962	0.858261	0.252032	0.43289	0.272547	0.567612	1.40194	0.576838	1.04018
C19orf73	0.279956	0.614486	0.488932	0.54495	1.44956	0.264866	0.355161	0.193513	0.757678	0.273291	1.05345	0.600949	0.361253	0.487725	0
C19orf81	0.181514	0.451857	0.125134	0.311759	0.563908	0.180316	0.172706	0.1882	0.18422	0.151879	0.136605	0.108232	0.0195187	0.12649	0
C19orf84	0	0	0	0.0329642	0	0	0	0	0	0	0	0	0	0.0167181	0.0229691

C1D	3.10015	2.21451	2.20681	4.03064	0.699945	2.79322	1.25535	2.69109	3.92931	4.072	6.57209	2.02479	4.01204	2.24201	1.88961
C1GALT1	1.42858	1.33014	1.68525	2.34404	0.247846	1.93363	0.965956	1.97531	0.894782	2.56146	2.36668	1.23459	3.03807	1.87727	1.01782
C1GALT1C1	1.77462	1.32942	1.47815	2.29226	0.849639	2.4943	1.36006	1.44751	1.49514	3.1732	5.2553	0.895811	2.92519	1.96299	1.50122
C1GALT1C1L	0.316486	0.152488	0.163637	0.183458	0	0.202113	0.158092	0.246108	0.0481806	0.0496528	0.334944	0.0849204	0.0510488	0.0413524	0.227257
C1QA	12.9573	2.53728	3.35335	44.5742	27.7959	54.3815	13.6076	8.83665	0.675105	14.3059	45.9943	0.942006	5.34235	5.13339	19.0312
C1QB	10.0138	1.45981	1.4869	56.3076	19.9156	62.6161	9.00995	9.21892	0.771352	16.2852	56.2899	1.01659	6.46087	5.28734	21.6823
C1QBP	18.1607	12.4945	13.2735	51.9892	18.5195	44.3967	16.7708	12.6681	20.4962	26.5724	50.5406	22.6866	46.534	33.024	13.4237
C1QC	14.6339	2.4467	2.95202	46.4077	28.7273	67.8993	16.5909	12.1363	0.626812	16.7521	55.1753	1.46077	10.1943	8.90363	22.4204
C1QL1	0.12343	0.0371689	0.0382911	0.0635989	0.311559	0.486081	0.052848	0.054847	0	0.096823	0.191588	0.0220793	0.00995452	0.0887008	0.288048
C1QL2	0.0225896	0.02721	0.0467193	0.0116396	0	0.00961738	0.193441	0.0702652	0	0	0	0	0	0	0
C1QL3	0.278496	0.246004	0.230392	0.296565	0.1442	0.245041	0.43457	0.363007	0.0904473	0.139817	0.220071	0.0929934	0.2276	0.203776	0.373292
C1QL4	0.0224146	0.0323991	0.0185429	0.0577472	0.0348176	0.0286286	0.0511845	0.00996011	0.0136492	0	0	0.0160382	0.00723089	0	0
C1QTNF1	5.79978	2.33169	2.1462	7.80852	8.94125	27.7462	6.13781	2.07837	0.600018	3.3031	6.91337	1.28513	5.617	5.89618	12.1535
C1QTNF1-AS1	0.119788	0.103888	0.0594583	0.0987561	0.148858	0.183596	0.27354	0.106458	0.0583554	0	0.0540903	0.0514269	0.0154573	0.0876491	0.378468
C1QTNF12	0.332834	0.459711	0.605756	0.43446	0.241269	0.869105	0.430688	0.335234	0.243213	0.0835482	0.576116	0.349289	0.157478	0.568248	0.286795
C1QTNF2	0.839986	0.26516	0.287543	0.447739	0.73488	0.953649	1.68664	0.205934	0.246933	0.690727	1.35151	0.255611	0.566872	0.433967	1.30339
C1QTNF3	0.994892	1.19966	1.54779	0.64311	0.438672	0.361665	1.24051	0.908159	0.125336	0.349947	0.686025	0.149338	0.0599995	0.251227	3.01077
C1QTNF3-AMACR	1.03254	0.885179	0.596593	0.207964	0.577862	0.425849	1.0454	0.43481	0.435459	0.393084	0.453845	0.0619576	0.250911	0.140363	0.907329
C1QTNF4	0.556481	0.410067	0.46036	0.134934	0.610169	0.473836	0.392435	0.145457	0.0797331	0.0821695	0.388004	0.0468443	0.0211199	0.119758	0.0940208
C1QTNF5	1.29821	0.607786	0.721621	2.67499	9.55709	9.38428	1.90797	0.796504	1.0987	5.8072	18.8485	0.763634	3.19179	2.96984	7.73305
C1QTNF6	0.969549	1.36725	1.29767	3.28989	8.22814	7.84615	1.062	1.49914	0.873601	9.24035	26.5792	1.79921	5.30447	5.78412	21.3842
C1QTNF7	0.841739	0.562258	0.830869	0.162644	0.0148581	0.12217	0.775409	0.667311	0.0232987	0.390173	0.431918	0.0855521	0.0740572	0.12248	0.226658
C1QTNF8	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00710251	0
C1QTNF9	0.131619	0.179096	0.259155	0	3.83E-24	0.0960398	0.140608	0.313885	0	4.62E-14	0	0.00971731	3.72E-23	0	0.177645
C1QTNF9B	0.271558	0.367441	0.247075	0.0222688	0.241363	0.0645326	0.459424	0.170484	0.0559107	0.0338744	7.14E-25	0.0911301	0.0663813	0.0336064	0.117623
C1R	45.8923	27.7851	39.2749	84.6976	50.751	241.422	49.6736	29.5314	5.69782	34.4983	73.5848	9.67906	66.6854	32.2047	94.0989

C1RL	4.45338	4.21823	4.26451	7.76116	5.19391	19.4228	4.29049	3.50793	1.49621	3.88685	6.14516	2.13278	5.00141	2.70289	8.08082
C1RL-AS1	1.00937	1.24456	1.51982	2.3582	1.99356	1.87909	1.3904	1.23975	0.114194	0.905082	0.420343	1.1215	0.284951	2.34662	2.86341
C1S	53.5364	22.558	31.5804	59.5849	45.4165	262.432	44.2242	31.6193	5.26799	46.2993	87.6483	9.57222	68.1601	40.4887	136.156
C1orf100	0.0403189	0.0194263	0	0	0	0	0	0	0	0	0	0.0288493	0	0.0210724	0
C1orf105	0.0180523	0.0521872	0.164276	0.0186034	0	0	0.0206115	0.14439	0	0.0226575	0.0203788	0	0.0116473	0.00943492	0.0777762
C1orf109	1.57877	1.54268	1.42814	1.7182	2.17735	2.83937	1.00238	1.34407	1.41961	1.40744	2.40686	1.30913	1.65644	1.71197	1.08068
C1orf112	0.460215	0.712334	0.899456	1.22716	0.268077	0.871903	0.715936	0.531701	0.301263	0.700361	1.46766	0.391039	1.06152	0.938062	0.776588
C1orf115	5.69232	2.26615	2.8538	1.79755	3.95537	4.36953	2.4628	2.79587	0.597475	1.06531	1.94272	0.351025	1.9343	3.19076	3.29903
C1orf116	7.88262	10.5644	9.97984	14.3867	13.7474	11.2926	12.2369	8.22412	45.1899	21.0327	11.4577	20.132	29.2327	11.6737	3.84799
C1orf122	4.77913	3.36125	2.63438	14.1595	18.5729	12.9136	3.80631	1.94923	13.2654	12.908	24.5822	8.76817	12.8982	8.67128	5.48364
C1orf123	4.95077	3.31816	3.61883	7.64523	4.66007	8.39334	3.52657	2.6005	4.03167	5.9726	11.4278	3.04543	5.44447	4.39488	5.58184
C1orf127	0.0167643	0.00807727	0.0277371	0.0431901	0.169264	0.0356864	0.0287113	0.022348	0	0	0.0473119	0	0.0378567	0.00876173	0.10834
C1orf131	2.03543	1.8533	1.68385	3.76573	1.41905	3.47994	1.29924	1.41011	2.26422	2.63514	3.65469	1.99539	3.43306	2.60507	2.16359
C1orf137	0	0.0288878	0	0	0	0	0	0	0	0	0	0	0	0	0
C1orf140	0.0360644	0.00992936	0.00852429	0.0106187	0	0.0701906	0.0235298	0.00457872	0	0.0193991	0.0348962	0	0	0.0242342	0.118384
C1orf141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C1orf143	0	0	0.050185	0	0	0	0	0	0	0	0	0	0	0	0
C1orf146	0	0.0593911	0.203947	0.0317571	0	0	0	0	0	0	0	0	0	0	0
C1orf158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C1orf159	1.59194	2.28457	2.29407	2.51373	4.02833	3.57828	1.8958	1.33111	2.63719	2.45996	1.7971	3.38048	3.32984	2.12925	1.42582
C1orf162	1.9548	0.508817	0.576226	3.12591	0.558433	4.20905	0.820939	1.23805	0.136823	1.74845	5.32659	0.273312	1.8846	0.822029	1.96837
C1orf167	0.0107333	0.0259783	0.0221721	0.0569805	0.109373	0.0281705	0.00609407	0.00846455	0.0261759	0.0135159	0.0243372	0.0273866	0.0277769	0.00559806	0.0242744
C1orf174	3.72289	3.2193	2.88448	4.60958	3.43092	4.95607	2.37911	2.48145	2.43621	3.46959	5.41017	2.18672	4.21245	4.11656	2.57352
C1orf185	0	0	0.0208104	0	0	0.0428391	0	0	0	0	0	0	0	0	0
C1orf189	0.065654	0.0316331	0	0	0	0.111807	0.0749617	0.0291739	0	0.0412013	0	0	0.0211798	0	0
C1orf194	0	0.030508	0.104764	0.16313	0.049178	0.377406	0.144591	0.0562726	0	0	0	0.0226532	0	0.0330932	0

C1orf195	0.28969	0.744412	0.718957	0.232193	0.799981	0.10963	0.294008	0.286059	0.0392012	0.282793	0.0363361	0.506688	0.0415348	0.79067	0.600935
C1orf198	8.90539	8.9163	9.88327	8.83116	13.1808	17.9313	13.4293	7.65071	18.9562	10.3197	17.2548	8.5242	15.5648	8.30756	14.3417
C1orf21	6.77812	10.8608	12.5093	3.99344	5.09524	5.53634	9.74109	7.67993	8.32608	3.42375	4.36694	4.13344	3.74598	2.96639	2.69876
C1orf210	2.21648	2.16533	2.51649	3.56011	3.25299	2.34286	3.54297	1.65736	11.2445	3.08887	5.43566	4.13441	4.64522	2.60446	0.570769
C1orf216	1.16926	1.17673	1.25347	2.00351	2.22466	3.59949	1.50091	0.768596	0.749931	1.31124	2.28062	0.450497	1.51773	1.82608	2.35486
C1orf220	0.332283	0.523567	0.453193	0.175841	0.34875	0.114703	0.399897	0.510798	0.0109374	0.123988	0.010138	0.0899622	0	0.112648	0.309535
C1orf226	0.466399	0.749063	1.03334	0.928128	0.391385	1.29182	0.648817	0.933809	0.287275	0.686307	0.453885	0.168779	0.145271	0.156903	0.269463
C1orf229	0.261886	0.371411	0.377467	0.204958	0.803414	0.372532	0.423112	0.186087	0.0381375	0.119494	0.106966	0.270101	0.0498896	0.12884	0.336492
C1orf232	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C1orf35	3.24663	4.55442	4.005	4.50047	8.59121	7.19249	2.44393	2.34913	3.72659	3.78638	3.1461	2.95007	4.14307	3.16841	2.22814
C1orf43	15.7806	13.6326	13.0618	23.4006	12.3083	28.0431	16.2579	10.9873	30.1955	23.8007	37.4917	16.9671	27.2311	16.6876	13.3402
C1orf50	2.2573	2.4169	2.18807	2.96064	2.93968	3.20344	2.52525	2.18848	3.0546	2.919	5.07068	2.18617	2.3832	1.91861	1.76824
C1orf52	2.17094	1.86502	1.77901	2.03319	1.39979	2.06942	1.42643	1.83834	1.62961	1.78223	2.90541	1.28959	1.82353	1.57706	1.29416
C1orf53	0.338844	0.212238	0.168189	0.803134	0.263171	0.490486	0.116064	0.240909	0.16507	0.680455	1.68306	0.339433	0.393517	0.619832	0.583948
C1orf54	2.48963	1.19954	1.13133	2.67404	1.0349	1.88103	1.28116	1.1842	1.5374	6.86563	18.1692	1.05378	2.37551	2.25417	4.63295
C1orf56	1.16344	1.42414	1.3917	0.891119	2.24682	1.32534	1.43609	0.97808	1.47438	1.42077	1.01166	1.43995	1.10568	0.862795	1.37732
C1orf61	0.0129435	0.031182	0.0107078	0	0	0.0220425	0.0147785	0.0115031	0	0	0.0292233	0.00926145	0	0	0.0371771
C1orf68	25.3605	63.2567	76.7509	48.9862	119.883	18.5124	161.192	36.0839	367.717	20.3136	73.2841	34.0673	2.3187	1.9582	1.42755
C1orf74	2.29984	1.75885	1.88731	2.38444	0.769762	1.8894	1.32525	2.11203	2.81617	8.31091	2.18955	10.737	7.45698	3.71328	2.16372
C1orf87	0.0114118	0.0164951	0	0	0	0.0194339	0	0.0202836	0	0	0	0	0	0	0
C1orf94	0	0	0	0	0	0	0	0.00624586	0	0	0.00793368	0	0	0	0
C2	0.244046	0.11838	0.161908	0.369217	0.553392	1.93974	0.23711	0.207067	0.00835997	0.276135	0.765209	0.0488275	0.514913	0.213798	1.42124
C2-AS1	0.0372887	0.00555318	0	0.00526785	0	0.0198219	0.00495388	0.00771189	0	0	3.10E-33	0.00456337	1.54E-31	0.00510144	0.0671334
C20orf141	0	0	0	0.127028	0	0.183678	0	0	0	0.116033	0	0	0.119295	0	0.0885122
C20orf144	0.0812037	0.215188	0.201532	0.251048	0.252275	0.553151	0.370863	0.108251	0	0.0509595	0	0.116207	0	0.0424406	0.174928
C20orf173	0.0289288	0.0185845	0.0319093	0.0198747	0.0149788	0.0164217	0.03303	0.0257095	0	0.0121029	0.0108857	0.0275991	0	0.0100796	0

C20orf187	0	0	0.0393942	0	0	0	0	0	0	0	0	0	0	0	0
C20orf194	3.31285	3.0229	3.36412	3.12748	3.20519	3.89614	2.98699	2.35773	2.4151	3.11112	2.59781	2.57656	2.3622	3.81827	3.20866
C20orf197	0.104029	0.0434399	0.0401615	0.0786172	0.0430916	0.0354318	0.10294	0.147924	0.0084464	0.0087045	0.0391454	0	0.0492207	0.101491	0.119519
C20orf202	0.144283	0.215506	0.143234	0.0743441	0.179298	0.33171	0.214159	0.0512908	0.193293	0.325963	0.358331	0.0825909	0.0744727	0.0678679	0.435139
C20orf203	0.213154	0.262215	0.243869	0.00934728	0.105671	0.077233	0.212303	0.298257	0.0110467	0	0.0102393	0.0519207	0	0.0284434	0.0586179
C20orf204	0.424882	0.459563	0.373012	0.16978	0.983248	0.502064	0.514817	0.454661	0.0422415	0.0870645	0.254502	0.19854	0.0615397	0.203934	0.249055
C20orf27	3.20677	2.91205	2.89566	6.30689	9.50656	11.2461	4.86528	2.27993	2.44919	3.16528	8.83531	2.77676	5.33729	4.22695	5.9479
C20orf78	0	0	0.0185339	0	0	0	0	0	0	0	0	0	0	0	0
C20orf85	0.0305721	0	0.0252914	0	0	0	0.0698124	0	0	0	0.0345121	0.0218751	0	0.0479349	0.219527
C20orf96	0.805976	0.596366	0.476258	0.415291	0.760119	1.91178	0.788776	0.62675	0.210341	0.415472	0.779869	0.164771	0.241434	0.413717	0.744097
C21orf58	0.49914	0.74201	0.699956	0.658655	1.12518	0.715263	0.806203	0.394907	0.126027	0.343796	0.419164	0.309238	0.345607	0.569465	0.489541
C21orf59-TCP10L	0.287574	0.188093	0.160999	0.039949	0.00515047	0.0980561	0.12406	0.140077	0.0430833	0.0201268	0.0368045	0.0509166	0.0104149	0.0418794	0.153625
C21orf62	0.332551	0.513126	0.475699	0.104949	0.388632	0.196056	0.4025	0.242647	0.0412273	0.0992331	0.0127324	0.182165	0	0.21557	0.290588
C21orf62-AS1	0.0192538	0.398901	0.41413	0.178574	0.299078	0.049183	0.373717	0.239556	0.164143	0.048331	0.173881	0.0413298	0	0.150943	0
C21orf91	3.22035	2.81385	2.53371	3.34938	0.853569	2.67679	2.70904	4.67906	2.91038	3.26129	4.34227	2.42618	2.64116	1.95025	1.70066
C21orf91-OT1	0.0465655	0.246796	0.192611	0.287923	0	0.317199	0.106334	0.0827671	0	0	0	0.0333189	0	0.121686	0.468118
C22orf15	0.079257	0.0254582	0.0874227	0.0272256	0	0	0.180986	0.023479	0	0	0.0298238	0	0	0.0552309	0.0758821
C22orf23	4.05292	7.33393	6.18181	6.84634	9.89055	7.35304	4.82466	3.93956	11.162	4.55213	1.87168	6.10471	6.24763	5.19324	3.10867
C22orf24	0.0434475	0.062801	0.0838667	0.0746232	0.067489	0.0863217	0.0661426	0.0643542	0.0705523	0.18177	0.0653958	0.113989	0.0467202	0.0302768	0.16639
C22orf31	0.151403	0.145897	0.214717	0.0891573	0.201584	0.0920841	0.246953	0.0768883	0.105367	0.0271466	0.122082	0.0309523	0.0418648	0.0226085	0
C22orf34	0.321516	0.157834	0.235869	0.218804	0.659617	0.44939	0.346317	0.188694	0.0221643	0.152277	0.527306	0.0911531	0.136989	0.221937	0.339769
C22orf39	2.40987	2.65054	2.77731	2.43206	2.40091	4.08979	2.84639	2.14169	2.14555	1.73134	3.15196	1.58757	1.4208	1.97612	2.2436
C22orf42	0	0	0	0	0.0262978	0	0	0	0	0	0	0.0121137	0	0.00884826	0
C22orf46	0.725692	1.21705	0.938999	1.97508	1.81372	4.26996	0.62674	0.715216	1.2464	0.65392	0.687931	0.775549	1.02947	1.08192	0.721513
C2CD2	2.29067	3.66288	4.33186	3.17948	4.97595	3.46209	3.06497	2.36021	7.98151	3.54886	4.41619	3.28322	7.49613	4.63175	3.87053
C2CD2L	2.04484	3.61806	4.34509	2.14252	6.73518	4.29174	3.2874	2.3947	7.9293	2.42058	2.30066	3.58691	2.82841	2.50561	2.092

C2orf81	0.501898	0.304517	0.338315	0.36397	0.952869	0.91803	0.488154	0.206502	0.0452781	0.431621	0.671502	0.113057	0.221878	0.189449	0.640701
C2orf83	0	0	0	0	0	0.0944226	0	0	0	0	0	0	0	0	0
C2orf88	2.03381	2.29896	2.50878	1.41327	0.369781	1.03994	1.90262	3.30684	0.277318	0.928826	1.27356	0.633199	0.34725	0.757325	0.92158
C2orf91	0.00621958	0.00299669	0.00514527	0	0	0.00529589	0.0142026	0	0	0	0	0.00890055	0	0	0
C2orf92	0.236671	0.529433	0.503463	0.139369	0.236335	0.345467	0.289525	0.360572	0.102942	0.0636528	0.0954186	0.0967683	0.0436283	0.123695	0.242778
C3	27.4407	7.23751	11.2105	7.48669	4.08386	35.6336	23.8959	15.9467	0.247146	1.42065	2.34174	0.109708	2.8339	0.975753	10.6924
C3AR1	0.989185	0.331147	0.43573	3.66711	0.44899	2.42838	0.777392	0.89052	0.0625826	1.76555	3.44425	0.160861	1.77374	0.825844	2.2877
C3P1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C3orf14	0.627608	0.622228	0.639018	1.31219	0.0749917	1.21781	0.358291	0.745475	0.499771	0.704397	1.34886	0.414526	0.708626	0.62449	0.320664
C3orf18	0.82683	0.378657	0.446978	0.253091	0.6994	1.05257	0.794496	0.312843	0.0299105	0.482916	0.739317	0.0937218	0.221838	0.350844	0.928783
C3orf20	0.0347702	0.053609	0.0632816	0.0358317	0.010802	0.0296064	0.0158798	0.0556216	0.00846924	0.148377	0.0157005	0.024879	0.00897342	0.0363449	0.0499344
C3orf22	0.0105966	0.00510562	0.0262989	0.0218403	0	0.0180458	0	0	0	0.0265997	0	0	0	0	0
C3orf30	0.0637901	0.0799111	0.105543	0	0.0594528	0	0.116534	0.0113383	0	0.0320253	0.0720111	0.00912871	0	0.0066679	0.183221
C3orf33	0.437231	0.334556	0.411352	0.34506	0.14842	0.494669	0.374295	0.284794	0.202151	0.165112	0.401521	0.135733	0.321278	0.365593	0.323509
C3orf35	0.951646	1.05538	1.17412	0.126815	0.458763	0.300375	0.665049	0.853035	0.169853	0.144153	0.0926112	0.234803	0.0317585	0.265837	0.40058
C3orf36	0.138831	0.100336	0.103365	0.686731	0.215652	0.0591062	0.0951073	0.172733	0.033816	2.3349	0.454495	0.278143	1.66605	1.06662	1.93397
C3orf38	2.97983	2.62398	2.50279	3.5457	1.09078	3.43169	2.13837	3.63648	3.54732	5.00314	7.10259	2.05262	4.3876	2.95721	2.83078
C3orf49	0.248088	0.367136	0.278534	0.0913078	0.0825785	0.0905329	0.202328	0.251977	0.0863266	0	0.100022	0.0253591	0.0228664	0.111138	0.356285
C3orf52	3.06968	7.38068	10.1743	1.65407	2.27506	0.811475	9.17447	6.3388	2.93219	1.52348	0.883311	2.16773	2.0388	1.70921	0.83559
C3orf56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C3orf58	2.8277	2.84244	2.86571	2.93375	3.89444	4.04552	2.55116	2.95523	4.9297	3.27882	5.73605	2.86546	4.42061	2.33808	2.01328
C3orf62	1.41824	1.43188	1.34926	0.936711	1.54211	1.02098	1.00102	1.08854	1.02065	1.10038	0.866003	1.29155	0.536546	1.21293	1.94419
C3orf67	0.0596031	0.0779481	0.0680919	0.14332	0.0573141	0.145004	0.0388874	0.0403583	0.0829599	0.623401	0.567112	0.178714	0.717838	0.453918	0.150815
C3orf67-AS1	0	0.00506159	0	0.0433038	0.0489548	0.0178902	0.0119945	0.0280086	0	0.158222	0	0.0225503	0.0813352	0.159224	0
C3orf70	1.02649	0.585071	0.75275	0.373745	0.352097	1.94661	1.26075	0.710816	0.516625	0.711237	1.35252	0.2456	0.672734	0.450178	1.2277
C3orf79	0	0.153802	0	0	0	0	0.0455586	0	0	0.0500809	0	0	0	0	0

C3orf80	0.25136	0.0678485	0.0891182	0.0185024	0.223113	0.305756	0.112748	0.0280319	0.131198	0.833775	2.61177	0.051387	0.242915	0.248668	0.425446
C3orf84	0.0989019	0.206494	0.19091	0	0.102419	0.0280712	0.150564	0.0878958	0	0	0	0	0	0.0172302	0
C3orf85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C3orf86	0.0278832	0.0134345	0.0230669	0.201141	0.0433122	0.0949687	0.0636723	0.0743408	0	0.209978	0.18886	0	0.251861	0	0.240263
C4A	0.0513311	0.0227214	0.0176642	0.0426183	0.17142	0.598046	0.0710278	0.0332571	0.0114839	0.0394306	0.0502591	0.0156352	0.0662754	0.0288546	0.444763
C4B	0.0604242	0.0319381	0.0322917	0.0755634	0.234022	0.737738	0.109791	0.0332656	0.00745111	0.0376383	0.0627383	0.0098895	0.0886757	0.043162	0.607753
C4BPA	0.0103179	0.00497132	0.0341428	0.0106329	0.0160273	0.368993	0	0.0458485	0	0.01295	0	0	0	0	0
C4BPB	0.132788	0.0731192	0.0313862	0	0.0294665	0.145372	0.021659	0.0842935	0	0	0.0214144	0	0	0	0
C4B_2	0.0604242	0.0319381	0.0322917	0.0755634	0.234022	0.737738	0.109791	0.0332656	0.00745111	0.0376383	0.0627383	0.0098895	0.0886757	0.043162	0.607753
C4orf17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C4orf19	0.727466	0.483736	0.512689	0.278245	0.2864	0.442543	0.934147	0.452475	0.150424	0.138916	0.0974693	0.195033	0.0722912	0.126106	0.0730034
C4orf3	11.7543	11.9245	11.7331	19.5663	12.2628	23.9772	8.10095	15.6357	41.3797	30.5382	53.6252	22.5354	33.5519	16.6396	12.0046
C4orf33	1.54763	1.22749	1.10304	1.86478	0.665725	2.55448	0.78837	1.13207	1.1454	2.07691	2.48623	0.928489	1.26736	0.821304	0.666779
C4orf36	0.458783	0.77367	0.611477	0.472789	0.712648	0.672782	0.465621	0.362425	0.465622	0.38388	0.402818	0.47417	0.690677	0.333028	0.109812
C4orf45	0.141634	0.0136483	0.0937359	0.0291917	0	0.02412	0.0646854	0.0251746	0	0.0355531	0	0.0202686	0.0182764	0.0888292	0.284767
C4orf46	0.607397	0.352465	0.389679	0.728134	0.202178	0.955218	0.55905	0.517771	0.415161	0.995716	1.81214	0.288261	1.008	0.719126	0.774387
C4orf47	0.174738	0.261929	0.240926	0.260105	0.0301587	0.181851	0.0886711	0.207057	0.16552	0.341155	0.635607	0.388981	0.125267	0.416039	0.250946
C4orf48	0.428575	0.309741	0.496366	2.34079	3.19548	2.40851	0.4404	0.380882	0.417565	2.31299	7.83769	0.459985	1.85265	1.94873	1.47717
C4orf50	0.00335164	0	0.00277271	0	0.00520625	0.00285387	0.00382679	0.00595731	0	0	0	0.00239819	0.00864984	0.00350342	0.0336936
C4orf51	0	0.0131961	0	0	0.0850867	0	0	0	0	0	0.123672	0	0	0.0143143	0
C4orf54	0	0.00440956	0.0132495	0	0.00355404	0.00389639	0.00261236	0.00406676	0.0334382	0	0.00516572	0.00491136	0	0.0203287	0
C5	0.490832	0.712041	0.749547	0.484004	0.155102	0.238444	0.34624	0.557572	0.193669	0.220992	0.346505	0.308698	0.112143	0.27025	0.424882
C5-OT1	0.0399537	0.0610242	5.25E-39	5.61E-44	0	0.0340311	0	0.0254716	2.23E-28	0.0212489	1.54E-43	0.0204147	0	0.0330001	1.81E-37
C5AR1	0.869965	0.471558	0.457989	6.836	0.829241	5.74092	0.925573	0.623794	0.03612	8.15199	19.7421	0.629557	6.97157	3.38428	8.5185
C5AR2	0.53665	0.336136	0.255274	0.705118	1.45881	0.87963	0.689321	0.262312	1.06207	0.538841	1.24191	0.758376	0.502054	0.687168	1.94601
C5orf15	4.66717	5.48979	6.1944	6.34665	1.1505	7.9567	4.599	5.2208	3.99121	5.93418	12.6333	4.22517	7.59354	5.67924	5.95952

C5orf17	0	0.0561464	0.0289208	0.780576	0.235317	0.0198449	0.0399154	0.0621378	0	0	0.0394647	0.191776	0	0.0914969	0.0167353
C5orf22	3.05627	1.83992	1.94529	2.64116	0.527493	2.14409	1.57286	2.88127	2.04448	1.88982	2.94385	1.43497	3.1418	1.92886	1.88633
C5orf24	3.48428	2.96284	2.95694	4.39324	1.64327	4.6687	2.77039	3.44861	2.72482	5.32797	8.51216	2.67348	5.53005	4.69143	4.60304
C5orf30	1.08234	0.803709	0.895391	0.590499	0.425258	0.704754	0.632431	0.786491	0.643578	0.583335	0.91278	0.52389	0.718862	0.445889	0.576036
C5orf34	0.402011	0.528259	0.755845	0.357791	0.042577	0.645716	0.312957	0.479072	0.100146	0.206413	0.495077	0.222275	0.212216	0.329488	0.380519
C5orf38	1.12893	1.464	1.22206	1.22528	3.30202	2.6077	1.4261	0.821851	0.936108	0.889345	1.35577	1.07417	0.681887	0.834827	1.03486
C5orf46	1.83607	3.60031	3.17915	0.528035	1.19388	0.363579	6.67913	1.70764	22.4653	1.07184	4.04899	0.213868	0	0.0669496	0
C5orf47	0.0183529	0.00884272	0	0	0	0	0	0	0.0223518	0.0115174	0.0103591	0	0.0118412	0.00479602	0
C5orf49	0.0582215	0.042078	0.0883024	0.0299995	0.0452191	0.115675	0.0664754	0.0258712	0	0.036537	0	0	0.0187821	0.00507152	0.0278712
C5orf51	2.89398	3.2521	3.24445	4.38258	0.897701	4.16208	2.52856	4.35582	4.03496	3.98661	5.04982	2.88512	4.5228	3.13802	3.37685
C5orf52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0476849
C5orf56	0.919972	1.08044	1.35565	1.33321	1.29506	1.98284	1.21452	0.587646	0.210079	0.432997	0.61663	0.226278	0.556464	0.480818	2.06437
C5orf58	0.331943	0.0767689	0.120827	0.17788	0.0206249	0.0678348	0.166761	0.141602	0	0.233308	0.209844	0.0380022	0.0342668	0.0902137	0.667397
C5orf60	0.0189697	0.0091399	0	0	0	0.0323049	0	0.0168587	0.023103	0	0	0.0135733	0	0.0099144	0
C5orf63	0.505019	0.312092	0.224031	0.592091	0.153483	0.392624	0.271594	0.383773	0.17382	0.151573	0.169379	0.154525	0.110973	0.309849	0.315335
C5orf64	0.0179278	0.0199267	0.0340692	0	0.00910105	0.0102733	0.0133792	0.010414	0	0.00735365	0	0.00419792	0	0.00612434	0.0168397
C5orf64-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C5orf66	1.99414	1.75337	1.6636	1.66779	1.9487	0.754135	1.49771	1.73882	1.15176	1.75326	0.708412	2.17496	0.856078	2.17623	2.14233
C5orf66-AS1	0	0.0132274	0	0.0282913	0.0426443	0	0	0	0.0334349	0.172283	0.123965	0.137505	0.106276	0.0717412	0.0394263
C5orf66-AS2	0.0321431	0.0516235	0.0177274	0.0662488	0.183074	0.0273695	0.0367	0.0380882	0.0130489	0.0403429	0.0120952	0.0766642	0	0.0671976	0
C5orf67	0	0.0475509	0.0612331	0.076278	0	0	0.112682	0	0	0	0	0.017654	0.0159187	0	0
C6	0.501715	0.0365412	0.0675669	0.006012	0	0.178829	0.233133	0.124432	0	0	0.0197572	0	0	0	0
C6orf10	0.0230646	0.00889031	0.0203527	0	0.00477698	0.00130928	0.00877815	0.049195	0	0	0	0	0	0.00401819	0.026499
C6orf106	11.3151	10.62	10.3241	17.4871	15.1107	22.9323	12.683	8.57673	30.3346	22.435	15.5907	16.3015	34.2034	14.8345	11.4201
C6orf118	0	0	0.0104109	0	0	0	0	0	0	0	0	0	0	0.00657725	0.0180731
C6orf120	3.43122	2.76569	3.08942	4.25674	1.88819	4.48083	2.2557	3.37023	3.61721	3.92551	7.21727	2.03664	5.04468	3.04319	2.88396

C6orf132	8.66062	16.0413	15.0535	28.1087	29.4813	19.7089	21.9521	12.2393	36.2918	34.036	11.1408	32.0456	64.9805	19.3902	10.2982
C6orf136	0.345818	0.34773	0.37039	0.222089	0.29843	0.540552	0.362417	0.276155	0.191254	0.176131	0.292318	0.236684	0.323361	0.227888	0.271112
C6orf141	0.794159	0.656918	1.01164	1.07913	1.26635	0.64031	0.497506	0.549636	0.890163	2.45218	1.00758	2.30314	0.861536	4.72731	1.13042
C6orf15	0.46517	0.345187	0.20786	0.230938	0.706747	0.462582	0.86064	0.265544	1.50522	0.251433	0.701436	0.177354	0.109535	0.0656596	0.00487622
C6orf163	1.01162	0.709744	0.719427	0.310923	0.248115	0.302239	0.607914	1.00945	0.151303	0.200477	0.20035	0.025398	0.0114508	0.213342	0.484272
C6orf201	0.863847	0.394058	0.474271	0.116605	0.108523	0.149241	0.617075	0.40512	0	0.0474426	0.145697	0.0927019	0.0147254	0.163797	0.152345
C6orf203	1.35453	1.34256	1.35534	1.90105	1.10212	2.29574	0.765913	1.1694	0.89553	1.24672	2.69411	0.839974	0.932196	1.22034	1.40801
C6orf222	0.0371776	0.176142	0.169158	0.0127709	0.0288748	0.0158281	0.141494	0.0826009	0.0528245	0.0388847	0.0139896	0.0753711	0	0.00323844	0
C6orf223	0.0350586	0.0190032	0.0326283	0.167096	0.0748799	0.0895558	0.0050036	0.0389464	0.0266859	0.187009	0.18799	0.0752561	0.189439	0.107649	0.08811
C6orf226	5.40843	2.78767	3.81524	2.41952	3.64702	4.17682	4.59548	2.34739	5.66776	2.57844	6.2001	1.88994	2.84028	1.29282	0.662318
C6orf47	0.631769	0.599139	0.614355	0.882298	1.4046	1.30903	0.648133	0.4392	1.14519	0.683969	0.512651	0.565776	1.03067	0.594761	0.667527
C6orf48	5.24214	3.16108	3.66437	3.76046	3.35247	5.41232	2.21224	2.49682	1.21264	2.81012	6.80476	1.59818	1.86821	2.08718	2.75938
C6orf52	0.209439	0.0630694	0.30321	0.0809375	0	0.222919	0.20924	0.0232665	0.0637684	0.065717	0.236431	0.0374649	0.135129	0.0136828	0
C6orf58	0.0385396	0	0.0637654	0.0595743	0	0	0	0.0342508	0	0	0	0	0	0	0
C6orf62	10.6027	9.68561	9.09723	23.1018	4.6827	18.8972	6.7496	10.9844	17.9993	18.7396	24.0319	12.892	24.6694	14.5971	13.8873
C6orf89	8.10115	6.1214	6.34476	7.37334	5.38315	11.8827	7.55589	5.72233	6.75537	6.17931	6.29778	4.76946	9.08199	5.24503	8.09914
C6orf99	0.0393589	0.0568912	0.0488407	0.0202803	0.122276	0	0.0224694	0.0524684	0.0958695	0.0246998	0.066647	0.0704059	0.114274	0.0719974	0
C7	5.24389	0.862783	1.02508	0.172127	0.307722	5.84764	2.12882	1.79164	0.00473072	0.0585033	0.0964692	0	0.0601482	0.0548138	0.574579
C7orf25	1.47207	1.4084	1.30478	2.61143	1.32298	2.23831	0.876398	1.13071	1.7672	2.15114	4.35625	1.52729	2.76112	1.78054	1.20805
C7orf26	4.09094	4.57187	4.36885	6.14305	9.73831	7.46441	4.75584	2.918	4.6976	3.57419	6.50139	3.48222	5.58057	4.39285	3.20461
C7orf31	0.49377	0.543785	0.440311	0.350243	0.258985	1.11935	0.300189	0.421724	0.226485	0.249502	0.644273	0.174359	0.31444	0.392126	0.570976
C7orf33	0	0.0164707	0.01414	0.0352283	0	0.0145539	0.0195155	0	0.0416331	0	0	0	0	0	0
C7orf43	2.29982	4.29713	5.1684	4.03093	10.1546	4.58728	3.02903	2.21287	4.28959	3.37517	4.48715	4.21763	3.76802	3.61543	2.92573
C7orf50	1.69152	0.813518	0.750557	1.89846	2.7565	3.60077	1.46429	0.951167	0.812794	1.6907	3.89888	1.13991	1.60331	1.3502	1.32504
C7orf55-LUC7L2	1.85849	0.72896	0.961204	1.26117	5.89E-05	1.09585	0.131064	0.372139	0.998143	0.488731	0.477952	0.601231	0.956312	0.670203	0.282724
C7orf57	0.0650695	0.0261262	0.026915	0.122936	0.0336918	0.156983	0.0371471	0.0481903	0.369821	0.449179	0.465217	0.403511	0.321866	0.187045	0.155747

C7orf61	0.138305	0.1777	0.26697	0.142527	0.0716119	0.431805	0.131594	0.122914	0.08422	0.115725	0	0.0824675	0.0743615	0.156616	0.0331039
C7orf65	0	0.00383053	0	0	0	0	0	0.00706548	0	0.00997833	0	0	0	0	0
C7orf66	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0278059	0
C7orf69	0	0	0	0	0	0	0.065487	0	0	0	0	0	0	0	0
C7orf71	0.0591591	0.0855113	0.137034	0.012193	0.110273	0.0705225	0.0945644	0.126182	0	0.0297003	0.0534266	0.033864	0.00763383	0.0618383	0.016992
C7orf77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C8A	0	0	0	0.00997056	0	0	0	0	0	0	0	0	0	0	0
C8B	0	0.0044372	0	0.0379619	0	0.0156833	0	0.00818449	0	0	0	0	0	0	0
C8G	0.210153	0.126568	0.13039	0.0541421	0.16322	0.268413	0.0299932	0.0700373	0.159964	0.0329704	0.207582	0.131574	0.101692	0.109835	0
C8orf31	0.13069	0.083958	0.117126	0.10101	0.152255	0.166921	0.248696	0.077431	0	0.0410074	0.196711	0.0389635	0.0421603	0.142301	0.156406
C8orf33	6.06654	4.78495	4.62361	7.19953	4.57435	10.2257	6.41163	4.03965	3.68341	4.9059	8.31587	3.25241	7.25193	4.61268	4.49586
C8orf34	0.128573	0.155478	0.104279	0.0779398	0.0900687	0.0858649	0.164071	0.0380882	0.303963	0.142387	0.125221	0.362577	0.123618	0.0421632	0.0579283
C8orf34-AS1	0.173573	0.320582	0.155558	0.22359	0.0898729	0.270958	0.148635	0.0771286	0.775105	0.163389	0.538841	0.465735	0.19598	0	0.103864
C8orf37	0.754739	0.492573	0.448414	0.494951	0.287764	0.397275	0.470039	0.780508	0.217263	0.43058	0.720333	0.225833	0.376283	0.279708	0.581365
C8orf37-AS1	0.0527177	0.0762005	0.152641	0	0.0409444	0.0448884	0.0300957	0	0.0321021	0	0	0.0377209	0	0	0
C8orf44	0.706875	0.967555	0.865076	0.590586	0.483571	0.60283	0.569177	0.736643	0.0897155	0.216004	0.269926	0.258844	0.0475282	0.416889	0.847984
C8orf44-SGK3	0.818576	0.593413	0.574527	0.634133	0.148451	0.208763	0.137851	0.533413	0.0144838	0.423657	0.162518	0.118007	0.0639977	0.225039	0.270829
C8orf48	0.256078	0.33159	0.251567	0.395844	0.0497222	0.613257	0.146191	0.11379	0.136445	0.682984	0.614295	0.125971	0.24783	0.225851	0.04597
C8orf49	0.0117597	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C8orf58	2.7062	3.22456	3.19557	3.32113	8.05846	5.6699	3.47448	2.14558	8.99862	4.34083	5.93244	3.10943	3.41959	3.19262	2.17705
C8orf59	3.18625	2.4538	2.09188	5.04677	0.662834	2.87264	0.832978	1.65673	3.5413	5.46778	9.35262	2.54349	4.59635	2.72187	2.67474
C8orf74	0.0446777	0.129158	0.0184803	0.0920833	0.1388	0.0190212	0.153035	0.0198529	0.163237	0	0	0.015984	0	0.0116753	0
C8orf76	1.80262	1.66631	1.81564	3.94436	0.762535	2.87137	1.07986	1.2646	3.03979	3.12187	5.2047	1.82576	4.29881	3.11669	3.15512
C8orf82	3.1624	3.37637	3.38912	5.45627	10.848	5.94648	4.70489	1.83107	4.62466	2.94679	3.12372	2.69991	3.82569	2.53556	2.44284
C8orf86	0	0.00495586	0.00850914	0	0	0.0175164	0.035232	0	0	0	0.0116114	0.00735977	0	0	0
C8orf87	0.118077	0.0189637	0	0	0.061138	0	0.0449388	0	0	0	0	0	0	0	0

C8orf88	1.71801	2.06091	1.96251	0.599507	0.467992	1.88702	1.04326	1.31832	0.486823	1.9916	3.38881	0.879803	0.952679	1.88028	0.60331
C8orf89	0.0411067	0.0990291	0.0680127	0	0	0	0	0	0	0.0515931	0.0464043	0.0294129	0	0	0.118069
C9	0.0899553	0.023641	0.0202956	0.0337097	0.0127029	0.0208898	0.0280113	0.167157	0	0	0	0.0058514	0	0.00854811	0
C9orf106	0.521611	0.383594	0.18169	0.169748	0.639665	0.350641	0.626904	0.365972	0.0334349	0	0.123965	0.078574	0.0177127	0.143482	0.670247
C9orf116	0.416703	0.169886	0.291691	0.49549	0.0497911	0.846103	0.292787	0.313357	0.195191	0.120694	0.904627	0.0917422	0.144768	0.23454	0.230169
C9orf129	4.62E-18	2.77E-17	0.0337667	4.99E-33	0.0456337	0.0853392	0.0488462	0.0372896	2.05E-32	0.0645861	0.0147461	1.09E-31	1.49E-32	2.49E-32	0.0699411
C9orf131	2.80898	2.69737	3.05704	0.611183	2.79414	0.904557	2.37377	2.25311	0.452431	0.907972	0.0588581	1.15184	0.138763	1.53281	1.41332
C9orf135	0.0181799	0	0.0150397	0	0	0	0	0	0	0	0	0	0	0	0
C9orf135-DT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C9orf139	0.0879066	0.0780005	0.0802959	0.0898554	0.339232	0.146427	0.136768	0.0916512	0	0.0473754	0.030551	0.0130219	0.0129153	0.0982864	0.261361
C9orf147	0.213591	0.254487	0.209573	0.1177	0.491226	0.118508	0.265784	0.203921	0.0899068	0.0720144	0.083501	0.14288	0.0053428	0.120585	0.10157
C9orf152	1.21989	0.633943	0.828968	0.0808156	0.541403	1.00162	1.23365	1.27773	0	0.0218727	0.00983645	0.0623474	0.0112438	0	0.0125137
C9orf153	0	0.0169721	0.0291409	0.0242005	0	0.00999797	0.0134064	0.0208702	0	0.0147371	0.013255	0	0.0454544	0.0184103	0
C9orf16	22.1044	16.8277	20.1122	29.235	38.7726	56.5753	34.5031	15.6925	38.187	25.4211	57.2712	24.2934	25.4238	16.9983	18.4595
C9orf163	0.0548772	0.137337	0.144985	0.055785	0.58712	0.177922	0.11512	0.0723079	0.0773871	0.159832	0.0413025	0.256158	0.146406	0.22319	0.116256
C9orf170	0.135776	0.0785028	0.0842427	0.0839528	0.0527268	0.127173	0.100766	0.168933	0.033072	0.0170413	0.0306549	0.0194303	0.0306607	0.0319332	0.146244
C9orf24	0.22604	0.150798	0.258918	0.0358371	0.135046	0.0592217	0.119116	0.108169	0.0635289	0.0436467	0	0.099531	0	0.0545255	0.0998838
C9orf3	5.91618	7.07633	7.10237	7.28203	9.06019	5.62843	4.5724	4.59177	3.33675	3.90995	6.25109	5.3951	2.71644	4.41495	4.74988
C9orf40	0.537516	0.532355	0.741119	0.902694	1.36066	1.11032	0.443241	0.468853	1.21229	0.687131	1.65181	0.705113	1.05967	1.07169	0.657579
C9orf41-AS1	0.281452	0.425316	0.308559	0.292417	0.437193	0.119826	0.268179	0.454784	0.0626677	0.160569	0.115536	0.228848	0.0582522	0.442478	0.128609
C9orf43	0.135036	0.170163	0.171863	0.117749	0.0484055	0.194584	0.201619	0.212323	0.101205	0.0391116	0.128986	0.104054	0.167547	0.119436	0.0596703
C9orf47	0.134036	0.103315	0.112198	0.0852348	0.0305422	0.0776384	0.118585	0.121826	0.00575687	0.0599555	0.0602464	0.0405869	0.0405671	0.225275	0.249691
C9orf50	0	0.0206494	0.047273	0.014722	0.0443817	0.0851494	0.0326222	0.0126961	0	0	0.0483808	0.0204438	0.0276514	0.0821304	0
C9orf57	0.0309192	0.0372434	0.0511572	0	0	0.0131637	0.0529539	0.0412177	0	0	0	0.0221235	0	0	0
C9orf62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C9orf64	1.23092	1.16434	1.20549	2.54631	1.18097	4.40822	0.847386	0.908934	0.407848	1.87436	3.32063	0.796564	2.54022	1.96784	2.61264

C9orf66	0.242065	0.170743	0.250515	0.802327	0.541085	0.44832	0.221738	0.126701	0.151753	0.491838	0.377918	0.395712	0.318065	0.250422	0.431289
C9orf72	1.20737	1.31257	1.76683	1.70952	0.157603	1.18357	0.805114	1.41115	1.03179	2.00565	2.35944	0.635228	1.41724	0.941238	1.66837
C9orf78	10.464	7.55384	7.93642	12.265	7.25263	15.0549	5.9156	6.79931	10.1549	8.61182	8.9586	6.28495	12.131	6.9127	6.08785
C9orf84	0.115437	0.201878	0.190996	0.330449	0.0730539	0.174744	0.0439342	0.262177	0.322836	0.101957	0.0386117	0.431348	0.016551	0.433501	0.178063
C9orf85	2.28791	1.86551	1.57241	2.53912	1.14819	1.90317	1.10519	1.37639	3.6009	3.09245	5.16552	1.48594	2.78197	2.14317	2.47693
C9orf92	0	0.0249456	0	0	0	0	0	0	0	0	0	0	0	0	0
CA1	0.0765819	0.140214	0.202733	0.0631359	0.0475833	0.0652085	0.122414	0.136119	0	0.0576709	0.0864514	0.0547964	0	0.03202	0
CA10	0.0119695	0.00288355	0.019804	0	0	0	0	0	0	0	0	0	0	0	0
CA11	1.11342	1.45351	1.49815	0.794103	3.54813	1.09917	1.18759	0.634523	3.03072	0.582142	0.681203	0.942561	0.239675	0.310641	0.493477
CA12	15.472	23.2687	25.9768	35.0753	15.6422	41.1334	16.1735	20.1945	13.781	21.2604	20.1492	16.2289	29.0423	16.9968	8.88877
CA13	2.17323	1.87725	2.19019	0.562986	0.456941	1.24728	1.46686	1.95272	0.935865	0.512371	0.969122	0.966506	0.464802	0.699692	0.724216
CA14	0.470232	0.679695	0.756991	0.157164	0.0987072	0.35711	0.870642	0.587323	0.294084	0.0159511	0.0430406	0.154591	0.0245993	0.0797072	0.255524
CA2	1.97258	8.03167	9.88307	71.6066	12.2132	18.4875	4.47273	5.98756	15.886	21.9511	36.1298	25.8235	35.9856	17.3451	7.28165
CA3	0.396891	0.441732	0.444238	0.0991114	0.164245	0.123796	0.316907	0.293655	0.0643875	0.0829438	0	0.151314	0	0.0276312	0.0379627
CA3-AS1	0.144584	0.160228	0.271601	0.244531	0.325445	0.219566	0.0552033	0.257811	0.176651	0.242732	0.309287	0.126848	0.11438	0.1095	0.0694353
CA4	0.205708	0.123725	0.085937	0.110928	0.224381	0.606339	0.255673	0.106189	0.153265	0.0883413	0.234565	0.0463639	0	0.0400902	0.0669198
CA5A	0	0	0.0529859	0	0	0.018179	0	0.0189738	0	0	0.0241011	0	0	0	0
CA5B	1.90399	1.33162	1.48324	0.738288	0.577638	1.60322	2.12874	1.59435	0.650898	1.12227	1.6599	1.09389	1.0101	1.29551	1.9852
CA5BP1	1.57266	1.1506	1.3202	2.47968	2.88106	1.61775	1.76834	0.766373	1.131	1.65036	1.73387	1.69824	2.52358	1.68859	1.60447
CA6	5.61571	1.76063	1.98915	0.0815092	1.37604	1.38737	5.4004	3.12099	5.9531	0.059563	0.267864	0.226377	0	0	0.0908718
CA7	0	0.00603065	0.0103546	0	0	0	0.014291	0	0	0	0	0	0	0	0
CA8	0.135736	0.0562439	0.101062	0.106309	0.0168676	0.14794	0.105386	0.0458399	0.00661247	0.0579235	0.0551626	0.0233095	0.0122607	0.0496592	0.0194935
CA9	0.0893554	0.279843	0.529768	0.460417	0.185066	1.42025	1.02023	0.172059	0.21765	1.23365	3.27831	0.809858	2.11389	2.13268	0.620241
CAAP1	1.73826	1.59242	1.56054	2.12068	1.06552	2.32968	1.45069	1.73186	1.68981	1.74144	2.27027	1.28839	1.85578	1.56847	1.23139
CAB39	8.15871	8.20136	9.77118	15.1174	5.06931	11.356	5.00471	8.21758	18.8401	16.11	13.8934	8.76048	26.9928	12.2516	9.61858
CAB39L	3.24201	1.99729	2.59034	0.87951	0.740332	2.66616	3.03092	1.45786	0.992167	0.897282	1.25123	0.709805	1.43025	1.01376	1.8783

CABCOCO1	0.110909	0.062344	0.0764599	0.0571476	0	0.566626	0.0844217	0.0492834	0.0900499	0.255204	0.417342	0.0132264	0.0238527	0.038644	0
CABIN1	5.59564	5.3981	5.57872	6.12843	7.97132	9.44897	6.978	4.78579	2.04858	3.68979	2.38134	4.46044	4.79799	5.49006	5.61169
CABLES1	1.11298	1.89391	2.54301	1.26985	1.70827	2.99351	2.0524	1.40519	0.871389	0.687369	1.10685	1.05867	0.997351	1.12645	1.2305
CABLES2	0.684814	1.09003	1.0066	0.995571	0.987771	1.83263	1.1519	0.766191	0.7819	0.813467	0.821387	0.82688	1.2979	0.965089	0.799077
CABP1	0.0826538	0.045513	0.0488407	0.0365045	0.275121	0.301622	0.0674081	0.0209874	0.115043	0.103739	0.306576	0.0168974	0.00761825	0.0431985	0.186531
CABP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CABP4	0.196769	0.318958	0.388728	0.0935278	0.234344	0.213652	0.327671	0.346447	0.0130038	0.0335028	0.0241252	0.0534793	0.0206668	0.108818	0.314346
CABP5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CABP7	0.102446	0.054079	0.0310887	0.096011	0.0982477	0.080871	0.0532277	0.0338722	0.0112331	0.271461	0.0636979	0.133519	0.0909824	0.163474	0.0650771
CABS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CABYR	0.577613	0.482392	0.485807	0.396832	0.209354	0.426253	0.483634	0.44489	0.257938	0.531641	0.456438	0.32375	0.180125	0.38742	0.428589
CACFD1	1.14912	0.979553	0.797732	1.86325	5.36743	3.38014	1.6148	0.635597	2.53475	1.99697	2.19527	1.43745	3.25076	1.41115	2.14652
CACHD1	4.32159	4.39041	4.03963	3.74661	4.55991	4.25168	2.65783	3.14577	0.744462	0.566485	1.05514	1.6173	1.10292	1.21104	1.73021
CACNA1A	0.0953479	0.0242461	0.0153375	0.0709647	0.131652	0.180417	0.0665287	0.0353072	0.00322564	0.159562	0.200322	0.017056	0.138415	0.0650597	0.167361
CACNA1B	0.0141837	0.0706171	0.015645	0.582233	0.165241	0.237519	0.0269908	0.0252106	0.0201532	0.103845	0.0426976	0.248646	0.0976132	0.138376	0.0882681
CACNA1C	1.22899	0.647608	0.838825	0.573979	1.47893	2.01794	1.73416	0.708274	0.153172	0.69086	1.07866	0.546871	0.64284	1.25287	4.71604
CACNA1C-AS1	0.213471	0.0704752	0.104854	0.0320846	0.162739	0.071271	0.107972	0.0559882	0	0.0651276	0	0.045096	0	0.13216	0.454659
CACNA1C-AS2	0.190009	0.219718	0.251502	0.0391619	0.177089	0.226506	0.173557	0.168864	0	0	0.0428992	0.0271913	0	0.178752	0.109151
CACNA1C-AS4	0.502427	0.287467	0.155866	0	0.243888	0.213905	0.286828	0.167443	0.0382437	0	0.0708972	0.17975	0.141822	0.475945	1.4431
CACNA1C-IT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CACNA1C-IT3	0.376747	0.0518636	0.133574	0.0554642	0.418013	0.137484	0.0614511	0.191327	0	0.135102	0	0.192552	0	0.140646	0.231881
CACNA1D	0.544056	0.311996	0.335115	0.0700831	0.110231	0.287018	0.351104	0.344239	0.23407	0.096489	0.133515	0.105784	0.0362468	0.0463609	0.110406
CACNA1E	0.0276097	0.0110856	0.00380678	0.0284526	0.00953053	0.0091425	0.0192646	0.00817906	0	0.0943332	0.225102	0.00109753	0.0405755	0.00400834	0.0330425
CACNA1F	0.0416651	0.0310248	0.0501357	0.0390337	0.0823712	0.0387025	0.0518965	0.030296	0.00461303	0.00475399	0.00855176	0	0.00488765	0.00395927	0.00543966
CACNA1G	0.307939	0.374971	0.440021	0.363499	1.83072	0.550634	0.364381	0.355772	0.11933	0.249465	0.426631	0.204314	0.0957281	0.596951	1.45939
CACNA1G-AS1	0.11305	0.0855949	0.106884	0.0499294	0.15052	0.0275031	0.0553189	0.10047	0.019669	0.02027	0.200546	0.0231116	0	0.0759666	0

CACNA1H	1.05828	0.446688	0.564285	0.483346	1.4401	2.84557	5.35735	0.446421	0.0871218	0.359136	0.487756	0.225215	0.385848	0.814004	1.92133
CACNA1I	0.03008	0.0256414	0.0133992	0.0309983	0.0323478	0.047285	0.0132094	0.0390707	0	0.00580822	0.00261204	0.00496685	0.00149288	0.00362795	0
CACNA1S	0.00375212	0.010847	0.00310401	0	0	0.00319488	0.0171362	0	0	0.00470929	0	0	0.00242085	0.00196102	0
CACNA2D1	1.06828	1.06771	1.09313	0.846139	0.475421	1.12011	1.05172	1.2894	0.573461	0.882783	1.71425	0.307437	0.630386	0.573709	1.9061
CACNA2D2	0.444367	0.354188	0.471227	0.0747293	0.300496	0.484078	0.558951	0.361389	0.0336574	0.0198205	0.0623949	0.0855655	0.0891525	0.101106	0.357197
CACNA2D3	1.04886	0.794074	0.378426	0.512685	0.860823	0.509407	0.388271	0.386168	0.368139	0.276637	0.57583	0.815141	0.280352	1.18436	0.41602
CACNA2D3-AS1	0.183162	0.135718	0.141528	0.0573859	0.0172999	0.0284495	0.0508643	0.049489	0	0.0139783	0.0125725	0.0884384	0	0.0649362	0.0639776
CACNA2D4	0.203579	0.135653	0.204248	0.169621	0.201848	0.298743	0.173094	0.177075	0.0263762	0.163093	0.293381	0.0402907	0.0866339	0.104136	0.416776
CACNB1	1.17095	1.54065	2.04449	0.336482	1.00563	1.52912	1.67118	1.25077	0.102842	0.233167	0.279622	0.257798	0.141654	0.532547	0.695287
CACNB2	0.570964	0.577708	0.799831	0.247126	0.118254	0.466721	0.595409	0.558167	0.0417222	0.124214	0.22774	0.157969	0.0908677	0.254644	0.486519
CACNB3	1.97449	2.50934	1.79323	2.36652	6.07857	4.01429	3.05489	1.42416	2.49184	2.29861	2.82658	2.45705	2.40017	2.68458	3.15412
CACNB4	0.389656	0.743701	0.940018	0.108808	0.0820044	0.417409	0.347306	1.76944	0.220439	0.0283969	0.051082	0.046768	0.00973177	0.0183943	0.216618
CACNG1	0.0351184	0.0507618	0.0290524	0.0180953	0.0272755	0	0.0400971	0	0	0.0440773	0	0	0	0.0367089	0.151304
CACNG2	0	0.00235445	0	0	0	0	0.00557939	0	0	0	0	0	0	0	0
CACNG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CACNG4	0.0877142	0.0357602	0.0669816	0.0208597	0.104808	0.0172356	0.0693341	0.0539675	0.0328695	0.00846849	0	0.00482783	0.0478862	0.0211584	0.0290697
CACNG5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CACNG6	0.012187	0.0234875	0.0201638	0	0	0.0207541	0	0	0	0	0	0	0	0	0
CACNG7	0	0	0	0	0	0	0	0	0	0.0247735	0	0	0	0.00515803	0
CACNG8	0.0476031	0.0267586	0.0415685	0.0218028	0.0698361	0.0923262	0.0271759	0.0470063	0.00322085	0.00331927	0.00298544	0.0151384	0	0.0248795	0.0949501
CACTIN	2.85611	2.92498	3.08154	3.55365	6.19589	6.4617	3.09317	1.89546	2.46099	1.65199	1.50958	2.35543	4.5789	3.116	2.33339
CACTIN-AS1	0.226947	0.112918	0.137153	0.187191	0.402116	0.305704	0.148853	0.129242	0.0232211	0.0287145	0.0354991	0.151669	0.0131844	0.249123	0.531182
CACUL1	5.6784	4.91027	4.80059	8.0112	3.78693	7.26257	3.84206	5.09003	9.22097	7.03763	6.97717	5.67788	9.66135	6.01369	4.30917
CACYBP	3.86765	3.26615	3.58654	5.70517	1.65919	5.40359	2.90943	2.97811	3.05239	5.48521	7.46339	2.80238	7.986	4.66676	2.99778
CAD	3.48413	3.98125	4.07722	8.78023	7.58996	9.43503	5.80179	3.23518	1.95326	3.16845	3.4594	3.82682	6.6915	5.44075	4.47578
CADM1	2.01724	2.20527	3.14156	1.2701	1.2763	2.51145	2.15289	2.8085	1.00709	0.403245	0.642141	0.497463	0.584495	0.523021	2.82138

CADM2	0.0304483	0.0214414	0.0445651	0.00482736	0.00363821	0.0438753	0.0374391	0.0624459	0	0	0.00264403	0.00335178	0.00453348	0.00612062	0
CADM2-AS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CADM3	2.39115	2.42139	3.43203	0.951502	1.29623	8.90069	7.04726	1.99665	0.0724194	0.650955	1.17499	0.124088	0.593673	2.17063	2.16567
CADM3-AS1	1.04598	0.544469	0.472655	0.106614	0.585675	0.443113	0.729991	0.681681	0.00855666	0.0245006	0.12658	0.0695523	0.0827633	0.229702	0.548873
CADM4	3.60547	4.09951	4.36406	3.58401	7.05436	4.80877	4.38376	2.17397	3.75636	6.22052	2.70141	5.82169	10.0666	4.56919	1.89398
CADPS	0.125075	0.0984297	0.124165	0.0558538	0.265522	0.0496999	0.157087	0.103746	0.00507758	0.0627928	0.127075	0.0268484	0.0188295	0.00871596	0.0957992
CADPS2	3.12367	1.56857	0.813578	1.59981	0.965746	2.71752	1.34228	1.40645	0.532324	1.31472	1.69294	0.579662	0.914092	0.992542	2.39721
CAGE1	0.0270284	0.00976701	0.0223598	0.0487437	0.0419844	0.040275	0.0231451	0.0120103	0.0329175	0.0169617	0.0152558	0.0386791	0	0.0282524	0
CAHM	0.261208	0.289464	0.367353	0.134591	0.730344	0.533797	0.328063	0.23214	0.190873	0.131137	0.383333	0.168211	0.0842651	0.259386	0.225077
CALB1	0.127812	0.0835751	0.143497	0.0470406	0	0.0310943	0.0521183	0.121702	0	0.0572917	0.0309179	0	0	0.00954286	0
CALB2	1.02333	0.23515	0.338629	0.243363	0.635835	2.85536	0.52129	0.461722	0.153391	10.5319	3.53674	2.36564	3.85992	1.16019	1.56007
CALCA	0.0163903	0	0	0.0168906	0.0509195	0.0558244	0.0187139	0.0145663	0	0	0	0	0	0	0
CALCB	0.0224472	0	0	0.0231325	0.0697365	0	0	0.0199492	0	0.112694	0	0	0.10138	0.0469275	0
CALCOCO1	12.7872	23.3607	24.3241	15.3071	28.2189	22.0289	20.7763	14.1122	33.8852	8.49662	7.30757	12.4224	7.80908	8.43836	10.0058
CALCOCO2	12.9932	10.3179	10.2776	12.3654	6.5927	16.1334	8.68107	8.93412	12.0807	11.1029	11.0404	8.7895	12.4163	8.49911	11.3372
CALCR	0.00580608	0.00839238	0.0288192	0.0119667	0	0.0543818	0.0066292	0.0103199	0	0.0291489	0.019663	0.00415441	0	0	0.00833827
CALCRL	3.0757	1.49642	1.19757	4.78929	0.531499	6.04793	1.19348	2.20882	1.19062	6.45582	12.4117	1.52815	5.69377	4.97582	6.95504
CALD1	22.9793	10.7885	12.7335	14.4719	13.6395	34.626	8.04336	12.006	11.4258	30.5665	42.8765	9.83472	19.9395	29.5483	56.6089
CALHM1	0.022719	0	0.0438544	0	0.105871	0.0515864	0.0172932	0.0471117	0.0184461	0.00950488	0.00854896	0.0216747	0.00488605	0.0554116	0.174012
CALHM2	4.33413	2.42579	2.79963	3.42631	7.41487	7.78535	4.35203	2.60657	1.07016	3.59174	10.1607	1.49537	4.3899	4.44352	10.641
CALHM3	0	0	0	0	0	0	0.0159951	0	0	0	0	0	0	0	0
CALHM4	0	0	0	0.0318334	0	0.0263027	0	0.0274528	0	0	0	0	0	0	0
CALHM5	0.53216	0.225635	0.342409	0.219363	0.315956	0.894171	0.391566	0.235419	0.190113	0.946956	1.78888	0.106617	0.556985	0.731791	1.53529
CALHM6	0.102222	0.167457	0.21987	0.969153	0.285815	1.63636	0.0700282	0.25437	0.0995959	0.564516	1.26935	0.0877711	1.37182	0.224388	0.205525
CALM1	22.3413	16.4026	17.6439	68.4397	13.4885	42.987	16.1643	20.4885	34.4883	57.1219	67.5716	35.353	92.3839	41.5745	30.4594
CALM2	17.0608	10.3583	13.5302	24.1387	3.56158	17.3757	10.6457	13.4761	7.77943	26.564	33.8895	9.78922	36.6894	18.6532	15.7045

CALM3	16.0723	12.9093	13.2232	26.2845	33.7987	43.2557	15.5022	13.8527	13.3359	20.8032	33.8786	14.4083	31.5696	19.5967	21.9425
CALML3	143.395	213.172	65.0494	264.609	1278.39	255.129	168.135	85.474	2593.85	515.462	879.365	708.797	472.231	147.152	116.877
CALML3-AS1	0.863937	2.85907	2.5824	2.19933	2.88321	1.07576	2.53681	1.88573	2.90339	1.93217	1.51157	4.7173	1.82068	1.6085	0.530158
CALML4	1.88268	1.8231	2.02232	0.924702	1.015	1.46869	1.89776	1.83988	0.348591	0.524585	0.797283	0.541183	0.603426	1.00558	1.38978
CALML5	614.348	622.541	380.922	131.581	2853.73	409.484	771.514	265.853	8260.16	438.821	1499.48	983.152	37.6874	208.138	19.0085
CALML6	0.12612	0.202555	0.104336	0.0649853	0.359165	0.196881	0.24	0.186809	0.0256	0.0263823	0.047458	0.210565	0.013562	0.0549299	0.12075
CALN1	0.344288	0.526404	0.619007	0.435219	0.481318	0.0684032	0.746883	0.12035	0.402532	0.555991	0.658128	0.732475	0.102181	0.011996	0.0560367
CALR	69.7925	53.8278	56.3346	198.322	116.538	226.511	64.1034	46.9471	139.763	149.642	186.967	96.1333	252.52	103.651	103.014
CALR3	0	0	0.0148185	0	0	0	0	0	0.0218155	0	0.0202211	0	0.0115571	0	0
CALU	7.68559	4.08867	5.23036	13.2003	3.12293	21.3037	6.30558	6.03573	4.52565	20.6137	31.2723	5.01317	26.7109	16.0327	28.8921
CALY	0.0400399	0.0385837	0.0331238	0	0	0.0170467	0.0457162	0	0	0	0	0	0.0258335	0.0104633	0
CAMK1	1.56665	0.904311	1.23189	1.45463	2.38537	3.23591	1.77104	0.854686	0.377824	1.22651	3.81728	0.566041	1.0108	1.41872	2.33902
CAMK1D	4.38335	6.25006	6.54665	3.88836	5.70833	4.2536	7.99598	5.29057	14.2311	3.91358	3.7892	5.73134	4.65451	2.25259	3.11081
CAMK1G	0.187393	0.0857744	0.0697612	0.0869013	0.116434	0.0478688	0.0748858	0.0749427	0.0114112	0.258717	0.296161	0.254761	0.0785883	0.215468	0.107648
CAMK2A	0.0315178	0.0412184	0.0856708	0.03248	0.090922	0.0766771	0.128521	0.0320119	0.0767702	0.0847672	0.0711593	0.115981	0.0842454	0.108248	0.265115
CAMK2B	0.0353021	0.0801857	0.0876132	0.0571683	0.0313351	0.047236	0.230325	0.071711	0	0.018989	0.0227724	0.0108255	0	0	0
CAMK2D	3.75195	2.87719	3.00051	4.66622	3.58062	5.34788	2.64315	3.74063	5.55464	6.96665	8.37819	4.55516	8.11083	6.26259	5.06241
CAMK2G	3.61525	3.75869	2.99456	3.09997	3.9778	5.25495	4.03917	2.61659	1.40094	2.90468	3.35974	2.31571	3.33093	2.93682	2.76642
CAMK2N1	2.4216	1.26637	1.65315	0.862278	2.27836	2.22122	2.69747	1.95091	0.323697	2.45867	3.12263	0.324005	3.01049	1.3531	4.14217
CAMK2N2	0.272271	0.155781	0.197087	0.315656	0.449364	0.318774	0.136006	0.0907395	0.227972	0.42716	0.51867	0.231346	0.592879	0.293495	0.391016
CAMK4	0.226426	0.0715081	0.116482	0.135297	0.0413786	0.0567056	0.0543122	0.189392	0.0185386	0.152841	0.197612	0.0258678	0.106805	0.078562	0.204943
CAMKK1	1.94153	2.70908	2.78832	1.21115	3.84423	2.42909	3.82469	1.35737	3.39868	1.66354	1.01697	2.74881	1.37292	1.13108	0.773284
CAMKK2	4.63526	3.72047	4.5777	5.56147	5.12737	7.93147	4.95897	2.9861	2.03031	3.71612	4.16858	2.2402	5.97184	4.37958	5.92956
CAMKMT	1.23529	1.24056	1.13273	1.33435	1.29463	1.40667	1.25748	1.01846	1.1238	1.3823	1.5961	1.19271	1.2003	1.12788	0.83358
CAMKV	0.0208998	0.0637757	0.0633959	0.00717929	0	0.00593197	0.103405	0.018574	0	0	0.0157289	0.0199392	0	0.00364105	0
CAMLG	4.9548	4.511	4.28683	4.51036	3.67188	5.30884	3.39434	4.00894	5.33038	4.75478	9.67184	2.86578	4.65536	3.15607	2.07542

CAMP	0.124258	0.044902	0	0.512206	0.0482539	0.026451	0	0.0276075	0	0.155957	0.841631	0	0.140299	0.0649427	0
CAMSAP1	5.1739	5.5147	4.71426	6.81015	6.91094	7.07567	4.97939	3.81111	8.66881	7.41874	5.00533	7.10033	12.0339	5.67609	4.11153
CAMSAP2	6.39665	6.62281	7.71213	7.75398	3.14336	7.81505	3.78766	5.70425	17.6211	9.99051	7.47915	7.32272	13.7675	10.2001	8.10659
CAMSAP3	4.13088	10.7962	12.9698	7.09506	17.4976	8.22606	13.0322	5.42078	15.3087	9.10628	6.37998	13.5449	15.4348	7.64186	1.80279
CAMTA1	0.872423	1.04338	1.1726	0.943903	0.360522	0.915779	0.674322	0.84532	1.10037	0.814083	0.996555	0.591621	0.727336	0.706153	0.508902
CAMTA1-DT	0.125777	0.040401	0	0	0.130251	0.107098	0.0478695	0.0372602	0	0.0526212	0.047329	0.029999	0	0.175298	0
CAMTA2	3.38666	6.15367	5.80153	6.36055	10.1418	9.99112	7.87841	4.60444	6.5845	4.68687	4.56547	6.51689	7.60077	6.32887	6.36127
CAND1	7.98067	8.49071	8.65225	12.1871	3.41082	10.0857	5.77352	8.02046	12.276	12.2641	12.7208	8.20115	13.3574	10.327	8.05161
CAND1.11	0.0908461	0.0656566	0.13152	0.444693	0.0705577	0.560819	0.103725	0.181657	0.553202	0.769643	0.256385	0.45502	0.17584	1.16326	0.424016
CAND2	0.599743	0.648351	0.875559	0.233718	0.962923	1.40328	0.828627	0.465817	0.0797938	0.208743	0.221886	0.129822	0.240625	0.329257	0.731026
CANT1	4.35271	4.86208	4.96096	11.4444	10.5187	11.8644	5.11365	3.85713	6.79712	9.81938	9.87	5.8008	21.5678	7.67085	7.2552
CANX	38.5299	26.8283	27.6316	57.2663	24.1067	66.506	27.0668	33.0916	39.765	46.3451	49.937	28.9066	74.0444	38.2528	35.4986
CAP1	21.5138	17.522	17.4674	68.8725	16.6483	47.233	18.4901	16.6019	59.4	87.6346	73.4519	37.5581	139.011	53.09	36.3184
CAP2	1.22329	0.552561	0.354196	0.890322	1.11636	1.60148	0.803108	0.502809	1.6295	1.74646	1.54492	1.32935	1.50452	1.11086	1.41641
CAPG	12.4205	19.3755	17.2548	50.6204	35.5233	32.9737	15.8366	11.0499	30.5084	56.6183	70.8406	34.8204	68.1877	26.4236	16.1493
CAPN1	20.3282	26.4349	24.9677	64.9881	53.968	69.0664	29.5971	16.7099	44.5481	39.2295	24.4377	36.9304	74.7603	30.3212	22.4442
CAPN10	1.27795	2.64006	2.43303	2.20997	5.83289	2.97379	1.71896	1.12795	1.49243	2.02142	1.2549	2.00417	2.21945	2.61674	1.91071
CAPN10-DT	0.447679	0.909685	0.799745	0.501463	0.735713	0.613223	0.629672	0.449754	0.48991	0.407162	0.351564	0.622083	0.280468	0.769749	0.260896
CAPN11	0.0933188	0.282037	0.2316	0.0961677	0.30309	0.0722361	0.116235	0.105552	0	0	0.124499	0.151755	0.0930499	0.0487725	0.268035
CAPN12	0.200527	0.563837	0.528667	0.436353	1.16906	0.634665	0.524303	0.330654	0.393288	0.64641	0.344475	1.6443	0.305184	0.792929	0.612957
CAPN13	0	0.0873421	0.0785532	0.0444789	0	0.0882029	0.0492801	0.122746	0.0735917	0	0	0.0061766	0.0167084	0	0
CAPN14	0.146297	0.341596	0.274639	0.0869788	0.218509	0.110196	0.167037	0.260033	0.198732	0.0706222	0.0254079	0.0724703	0.0254127	0.032349	0.0484848
CAPN15	5.02473	5.10994	5.74286	10.6378	14.9434	12.013	7.9038	4.48724	14.4552	4.34724	4.05322	6.48207	9.84226	6.37669	5.61879
CAPN2	25.9931	10.2923	10.9266	35.3736	19.3977	36.1826	14.754	11.2247	11.4572	41.9779	29.723	20.4517	65.8137	33.6249	33.5031
CAPN3	2.99557	4.35123	3.80612	2.5074	3.40643	1.96953	2.87907	3.25757	1.10834	1.61019	0.62068	2.68154	0.505609	1.61847	2.07841
CAPN5	1.79767	0.767085	0.837346	0.717117	1.59683	5.9118	1.80574	0.791783	0.327441	1.01896	2.01149	0.23387	0.612237	0.96985	2.37727

CAPN6	0.251065	0.151984	0.0745585	1.7315	0.239994	0.416594	0.205806	0.188799	0.117603	0.185836	0.254352	0.0737	0.0332279	0.296081	0.0462258
CAPN7	6.87192	6.2697	7.04371	5.11063	1.86001	5.67089	5.05734	7.01597	4.66534	4.8478	6.33403	3.33995	4.21153	3.76879	3.94149
CAPN8	0.20929	0.111454	0.091126	0.0454062	0.188215	0.234484	0.088038	0.225157	0.0536614	0.373282	1.03209	0.0472903	0	0.0575705	0
CAPN9	0.00979807	0.0849755	0.154007	0	0.0304396	0.0584005	0.0783099	0.00870771	0	0.0122976	0	0	0	0	0
CAPNS1	31.5436	17.8373	19.4507	85.6213	21.8934	84.7241	24.4502	16.0725	19.9978	60.7872	88.2983	37.9369	97.2861	41.8436	34.222
CAPNS2	12.8166	18.5918	17.18	20.7654	16.5373	15.0956	12.1816	11.3904	61.9917	23.6848	35.8228	20.1721	13.0303	9.6478	2.09983
CAPRIN1	13.7893	13.0162	13.174	26.0598	8.78163	23.4968	10.2521	13.421	13.2856	16.147	19.984	11.6433	25.1832	16.0964	12.9728
CAPRIN2	2.4884	2.60236	2.73679	1.46606	1.68547	1.99976	1.77848	1.73576	2.97773	2.17292	1.95983	1.78396	1.62728	2.50027	2.24392
CAPS	2.38222	2.71106	2.91598	0.855342	4.93944	1.955	3.98759	1.59981	0.485733	0.608808	0.766611	0.794423	0.479876	1.37463	1.85765
CAPS2	0.297468	0.269451	0.298585	0.0899213	0.0924143	0.209387	0.176613	0.289039	0.0627958	0.0746707	0.147754	0.0482452	0.046062	0.062188	0.108225
CAPSL	0	0.0101554	0	0	0	0	0	0	0	0	0.0475877	0	0	0	0
CAPZA1	17.6107	17.7597	16.9864	44.2262	5.07749	27.6891	12.7298	19.0288	33.9668	50.2278	56.8471	26.2776	64.8061	32.0533	22.0039
CAPZA2	12.4556	7.17979	8.41885	16.6724	3.11274	11.4673	6.25831	9.67272	14.1526	34.2744	38.9888	11.9768	38.0393	16.136	13.3876
CAPZA3	0.257622	0.558568	0.781452	0.0221239	0.066696	0.0365603	0.12256	0.457906	0.0261462	0.0808356	0	0	0	0	0
CAPZB	18.3881	17.1041	18.4912	40.8336	28.4955	47.2038	21.5253	15.8193	28.7688	40.2803	48.5947	29.1981	60.5549	30.1521	31.5884
CARD10	2.33864	2.20783	1.47311	7.81733	9.32152	11.7913	5.17772	0.770165	2.48676	3.57592	2.08389	3.72471	10.0069	7.38019	3.60579
CARD11	0.221539	0.139011	0.200321	0.185827	0.664243	0.460626	0.135296	0.242672	0.0690209	0.232789	0.261721	0.158517	0.528529	1.57254	0.658512
CARD14	2.11548	3.75021	3.8743	4.00081	8.453	3.07705	3.06092	3.20323	7.953	2.58418	1.42542	5.29958	2.41668	3.32924	0.669869
CARD16	1.26833	1.02071	1.35087	3.45382	0.426837	2.50545	0.506778	0.803233	0.332775	3.36713	9.64674	0.427838	2.19482	1.83551	2.67562
CARD17	0.0993264	0.167499	0.246509	0.102359	0.0771441	0.253725	0.170112	0.13241	0	0.311662	0.392445	0.0710707	0	0	0
CARD18	1.99872	1.23333	0.754219	1.37316	1.0349	1.04502	0.760691	1.49583	7.81511	0.92422	1.66254	1.05378	0.633469	0.348206	0.25179
CARD19	2.70862	2.63674	2.9572	2.54446	4.3076	5.6953	2.69289	1.80949	1.66062	3.37647	5.99057	1.31184	2.663	2.71572	1.79942
CARD6	1.66639	1.22203	1.19631	3.3996	2.50951	3.66031	1.24477	1.30524	3.66682	4.9345	5.67532	3.52854	7.62078	3.31543	4.1373
CARD8	1.10572	1.2018	1.30946	1.29553	1.30926	1.74678	1.00803	0.96744	0.382768	0.943128	1.57721	0.562204	0.862726	1.40816	2.24038
CARD8-AS1	0.506954	0.289702	0.253584	1.11776	0.384581	0.853291	0.201915	0.314329	0.358961	1.25776	2.18268	0.565198	1.17142	0.745575	0.96509
CARD9	0.337934	0.614522	0.946907	0.77514	1.18532	0.770419	0.211591	0.503776	0.238974	0.232594	0.529158	0.241801	0.2743	0.250685	0.610559

CARF	1.44191	1.38534	1.43574	0.65845	0.410147	0.744939	0.899313	1.33773	0.462447	0.493133	0.681979	0.522093	0.232119	0.479657	0.706805
CARHSP1	4.6545	3.77094	3.32253	20.0345	9.55816	13.8081	4.84642	3.26558	15.1379	18.841	22.0398	11.1279	42.1622	12.9802	6.94623
CARM1	6.19903	6.26286	7.21184	14.6328	10.0168	21.7576	8.4311	5.37059	9.48701	11.881	14.9465	8.99947	20.5714	11.2724	8.8354
CARMIL1	4.7982	3.36102	3.0176	4.58462	2.66094	4.94917	3.99449	3.41594	2.98412	3.96848	3.54531	3.34785	4.94601	3.70598	2.54581
CARMIL2	0.153758	0.131437	0.139509	0.18912	0.477679	0.177379	0.0792833	0.110199	0.00604064	0.0747027	0.0671898	0.0354897	0.163206	0.101099	0.213693
CARMIL3	1.06659	1.69199	1.21949	0.476992	2.68837	0.59118	1.28673	1.00602	2.59798	0.675656	0.357807	1.40036	0.51612	0.394421	0.281786
CARMN	6.52988	2.54587	3.41681	1.14136	3.51248	5.04929	6.74431	1.90707	0.337216	1.0136	1.5889	1.5024	0.253081	3.96754	10.8689
CARNMT1	1.44805	1.63622	1.63637	2.8561	0.912536	1.69373	1.1864	1.88228	2.67973	2.21846	2.7516	1.86207	2.83919	2.00601	1.39872
CARNS1	0.460645	0.691123	0.656033	0.198296	0.878576	0.407128	1.07853	0.362744	0.482898	0.124414	0.0987363	0.28371	0.0263347	0.127995	0.242846
CARS	4.72626	5.06848	5.38142	8.382	7.96044	7.68033	6.23002	4.49965	15.2113	9.13113	6.93661	6.5443	15.9245	7.89242	6.32609
CARS-AS1	0.240404	0.33069	0.362152	0.120361	0.377844	0.201169	0.480795	0.25113	0.109184	0.156021	0.0921908	0.253425	0.00570678	0.310397	0.635284
CARS2	3.6489	3.8568	3.70978	5.59262	4.31478	3.6299	3.20414	2.76689	3.01771	3.25333	4.31262	2.6722	3.92068	4.08661	2.93292
CARTPT	0	0	0	0	0	0.0861465	0	0	0	0	0	0	0	0	0
CASC1	0.166782	0.141584	0.236527	0.016369	0.0493468	0.1082	0.0362718	0.169397	0	0.00996805	0.0179311	0.0170482	0	0.0290559	0.182492
CASC10	0.0930842	0.319552	0.423532	0.539583	0.957921	0.445837	0.478262	0.15511	0.18422	0.642566	1.0114	0.191487	0.495474	0.69326	0.284071
CASC11	0.137031	0.0513518	0.0251915	0	0	0.0518579	0	0.040594	0	0	0.0515637	0.0326832	0.00982354	0.0238728	0
CASC15	0.248479	0.17293	0.234109	0.376984	0.514631	0.446662	0.149733	0.208559	0.58002	0.641059	1.34797	0.232119	0.42306	0.631293	1.64546
CASC16	0.0231199	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CASC17	0.056118	0	0.00928495	0	0	0	0	0	0	0	0.0253401	0	0	0	0
CASC18	0.0427941	0.0288664	0.0283218	0.00882011	0.0398844	0.0291509	0.0488609	0.0304255	0	0	0	0	0	0.0134196	0
CASC19	0.0716503	0.0690444	0	0.0738377	0.111298	0	0.081808	0	0	0	0	0	0	0	0
CASC2	0.0798955	0.0598809	0.0440634	0.105205	0.0413684	0.109604	0.0253395	0.0710044	0.0702749	0.0779932	0.0851814	0.0254077	0.0343654	0.0556758	0.05737
CASC20	0	0	0	0	0	0.0126078	0	0	0	0	0.016715	0	0	0.00773869	0
CASC21	0.197804	0.152488	0.26182	0.081537	0.122903	0	0	0.140633	0.144542	0	0	0.0283068	0.0510488	0	0
CASC22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CASC23	0	0	0	0	0	0	0	0.0259856	0	0	0	0	0	0.0305637	0

CASC3	12.0089	11.124	11.9087	12.9746	11.6362	17.8533	14.9062	10.8349	9.96612	9.12406	8.78146	9.39294	16.1249	9.78352	11.0284
CASC4	8.44995	5.1235	5.9383	5.94296	4.95259	9.65767	5.65615	5.78059	3.86891	9.58505	16.5082	2.95869	7.26927	5.73962	13.2195
CASC6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CASC8	0.131767	0.0750304	0.069368	0.074067	0.0372144	0.0713986	0.0683851	0.0532288	0	0.0300693	0	0.0685692	0.023186	0.0375639	0.0516092
CASC9	1.14106	0.994338	1.08155	0.699719	1.99042	0.447646	0.914646	0.706941	0.300436	0.664252	0.224771	0.7576	0.159901	0.855402	0.28457
CASD1	1.58759	1.1851	1.244	1.5266	0.581786	1.79924	0.868035	1.83817	0.551458	1.25589	2.07617	0.479985	1.54727	1.24462	1.53337
CASK	3.28031	2.67938	2.61235	4.87268	2.2752	5.51746	2.03482	2.44997	3.97804	4.83707	4.87867	3.29354	6.85975	3.05774	3.70718
CASKIN1	0.202217	0.336405	0.386006	0.123667	0.497226	0.86903	0.391544	0.393702	0.649154	0.310546	0.454129	0.524163	0.141305	0.712462	0.0927042
CASKIN2	3.44724	3.58935	3.63801	4.55319	7.56646	8.96351	4.49385	2.22989	4.40494	3.46277	2.59641	3.5216	6.34827	5.00335	7.11137
CASP1	3.00339	3.93699	2.97169	10.0203	2.22107	7.14429	1.46751	2.94523	1.64382	4.98056	8.50175	2.22291	6.23148	4.61626	3.70914
CASP10	1.7138	1.46307	1.72887	2.46203	1.28544	2.12972	1.47063	1.20451	0.147591	1.42975	1.69102	0.520271	1.19602	1.14007	2.0089
CASP12	0.233637	0.106316	0.139592	0.0267522	0.141135	0.187887	0.17784	0.0807478	0.031616	0.0325821	0.0732631	0.0185748	0.100494	0.135677	0.0745628
CASP14	44.2913	71.3232	36.5678	85.059	179.288	43.3858	109.89	128.718	861.267	62.9534	150.04	124.923	3.61421	32.1125	5.77196
CASP16P	0.0676697	0.105964	0.181939	0	0.394179	0.0864298	0.0579473	0.105244	0	0	0	0.0363146	0	0.0707343	0
CASP17P	1.38335	0.576448	0.804176	0.154117	0.75499	1.14607	0.725699	0.265817	0.0455341	0.797734	1.56163	0.187264	0.506571	0.547134	1.82558
CASP1P2	0.263588	0.614684	0.357616	0.651925	0.294799	0.439906	0.0601913	0.609064	0.0898858	0.224965	0.297558	0.165972	0.918355	0.374715	0
CASP2	4.91027	5.062	4.75674	7.03706	4.94456	8.45251	5.11491	4.25989	4.27154	4.09523	5.11112	3.98115	5.38985	4.46047	4.71644
CASP3	2.98073	2.37804	2.63961	6.10181	0.97872	5.79832	1.6417	2.61313	2.44964	6.11355	8.46229	1.60104	6.54603	3.93899	3.99068
CASP4	10.3638	10.8283	11.0714	43.594	10.4197	26.9184	7.52844	8.77531	23.1172	37.8352	42.2651	23.1694	55.757	27.7226	16.4307
CASP5	0.015501	0.0373432	0	0.830662	0.0963139	0.316774	0	0.013776	0	0.272376	0.27998	0	0.550065	0.016203	0.178092
CASP6	1.96458	2.14823	1.76356	3.05837	1.21201	3.39309	1.38404	1.33733	1.35753	2.2559	4.32543	1.15647	2.51709	1.97345	1.26062
CASP7	2.55898	1.64033	1.98079	5.52865	1.92938	8.50542	1.61466	2.06142	1.02974	3.70951	5.67618	1.27422	5.79794	3.49219	3.51383
CASP8	3.32171	2.06125	2.5565	3.43104	1.58057	3.47467	1.39097	2.75998	0.891794	2.42315	4.2881	1.28153	2.4278	2.14787	2.55594
CASP8AP2	2.38514	2.33303	2.25625	2.13704	0.7176	1.82987	0.972876	1.70003	1.33364	2.16037	2.46848	1.27324	2.38008	1.94587	1.95103
CASP9	0.742483	0.745853	0.677976	1.32819	1.30566	1.50897	0.655801	0.435755	0.690992	0.91431	1.77914	0.77184	1.01684	0.761465	1.32784
CASQ1	0.189116	0.119594	0.117337	0.146167	0.110161	0.0301931	0.148449	0.157566	0	0.05934	0.026686	0.00845734	0.0305041	0.012355	0.0678986

CASQ2	1.86859	0.194104	0.255274	0.105998	0.213032	4.11637	1.58544	0.266617	0.0104391	0.139855	0.232228	0.0551982	0.132727	0.120956	1.04633
CASR	0	0	0.00372409	0	0.0209779	0.00383311	0	0.0040007	0.0328951	0	0	0.00322106	0.0058089	0.00941106	0
CASS4	0.284138	0.266959	0.411353	0.358695	0.264819	0.393152	0.186541	0.3409	0.0692097	0.820232	1.41133	0.0813234	1.22827	0.408383	1.19357
CAST	34.0897	28.911	31.3433	37.8014	16.8403	52.6148	23.7034	31.8611	57.3299	43.394	31.8463	35.1021	61.4924	27.892	20.0141
CASTOR1	2.53974	4.73663	2.77386	3.19073	7.22529	4.87183	2.10154	1.90206	6.70756	2.82948	7.02267	2.98111	1.1139	2.31919	0.922093
CASTOR2	2.25133	2.50022	2.42058	3.03763	5.08337	4.76071	3.21758	1.83513	5.22464	2.03195	2.00594	2.78329	3.41782	2.81776	3.06178
CASTOR3	1.76701	2.13866	1.99365	0.554856	1.50451	1.64701	2.09738	1.51758	1.01293	0.41606	0.633041	0.714326	0.322876	0.76058	1.27851
CASZ1	6.80168	10.9431	12.4421	6.48517	14.1629	8.72663	13.7527	9.80291	16.574	4.85248	3.03587	8.58561	5.839	3.67222	1.64744
CAT	16.2303	14.1953	14.1178	12.4225	13.5982	18.7892	25.1947	11.0171	72.0939	15.7232	30.6806	15.8395	10.7963	6.61049	9.72524
CATIP	0.0170671	0	0	0	0.0265112	0.0789521	0.0194867	0	0	0.021421	0.0385334	0	0.0330349	0.0267601	0
CATIP-AS1	0	0.0203851	0.105003	0.0872014	0.131441	0.849022	0	0.0376008	0	0.106204	0.143285	0	0.0545952	0.0442251	0
CATIP-AS2	0.0586891	0.00942576	0.0323678	0.141122	0.0607762	0.0832883	0.111682	0.017386	0	0	0	0	0.0252439	0.0715714	0.0842849
CATSPER1	0.0353464	0.0510913	0.160826	0.0364255	0.10981	0.090291	0.0403574	0.0785323	0.204478	0.0776359	0.12968	0.0885195	0.0798186	0.0415655	0.139595
CATSPER2	0.580135	0.961224	1.16249	0.377276	0.304079	0.450428	0.730248	0.762603	0.0427778	0.251204	0.101224	0.43454	0.0973975	0.531013	0.233641
CATSPER2P1	1.17096	1.81026	1.79058	0.539715	0.532692	0.681847	0.937953	1.29109	0.310301	0.418489	0.419897	0.429704	0.24658	0.732787	0.410949
CATSPER3	0.253947	0.261025	0.336133	0.610633	0.236681	0.273895	0.0966495	0.270825	0.0824744	0.361227	0.133782	0.19382	0.207538	0.20351	0.194507
CATSPER4	0.0163094	0.0157162	0.0269846	0.0336146	0	0	0	0.0144944	0	0	0	0	0	0	0
CATSPERB	0.2619	0.126188	0.147965	0.25673	0.0396899	0.310031	0.0583472	0.181663	0.108915	0.128278	0.216331	0.0959837	0.0947919	0.156912	0.137606
CATSPERD	0	0.00887439	0	0	0	0	0.0210298	0.032738	0	0	0	0	0	0	0
CATSPERE	0.202882	0.174557	0.203804	0.141873	0.0787865	0.320824	0.140641	0.186744	0.0264737	0.0727537	0.155412	0.139983	0.0280497	0.113609	0.291364
CATSPERG	0.160888	0.423369	0.476079	0.133915	0.326811	0.221297	0.339132	0.390455	0.105508	0.0155331	0.0279418	0.079698	0.0558944	0.0743845	0.0177734
CATSPERZ	0.0816832	0.254406	0.0691085	0.0639606	0.507894	0.356616	0.470656	0.387023	0.644022	0.33677	1.02289	0.570035	0.200696	0.24079	0
CAV1	27.0024	15.0977	18.3921	25.7733	7.45913	21.3542	15.516	16.0191	15.9266	28.4518	62.055	9.91862	33.0618	26.0933	30.6192
CAV2	11.0605	7.96329	9.43389	11.1673	2.7076	11.9093	5.65088	8.36135	6.84604	11.1935	16.4685	4.94882	17.4513	10.0541	7.47969
CAV3	0.0485179	0	0	0.0166664	0	0.0137708	0.0184654	0	0	0	0	0	0	0.0422626	0
CAVIN1	63.9141	39.0243	45.1559	76.2937	84.2836	92.7928	61.1227	25.718	19.9874	62.0824	50.267	26.6847	125.601	58.331	83.539

CAVIN2	5.27662	1.94193	2.49187	2.11344	1.97997	2.74065	2.96762	1.90488	0.76318	1.65344	3.23958	0.968092	2.74285	1.65616	3.10888
CAVIN3	10.69	4.32263	4.56023	12.6952	34.1118	31.6778	9.32611	3.57008	3.31596	20.3356	69.7607	5.34949	13.5639	13.6119	25.5763
CAVIN4	0.0299006	0.0504229	0.0371038	0.0847369	0.0928919	0.0636499	0.0512093	0.0332164	0.0182078	0.178259	0.118139	0.096276	0.241146	0.121112	0.20397
CBARP	0.333968	0.943719	0.918449	1.17202	2.21528	1.30656	0.958436	0.6658	2.67126	0.9063	0.866099	2.11191	1.00166	0.740641	0.414806
CBFA2T2	3.08689	3.92331	4.38523	2.2714	3.38287	2.94209	3.68238	2.70704	1.56647	1.81613	1.77207	1.78626	1.52016	2.11445	2.09065
CBFA2T3	0.775644	0.92601	0.839327	0.614081	1.30453	1.23174	1.23715	0.760875	0.288016	0.330341	0.591026	0.341104	0.487873	0.24247	1.0766
CBFB	4.75715	4.0289	4.57098	7.22414	3.23577	6.60431	2.5977	5.19932	5.87462	6.30447	8.85588	3.07615	9.91322	5.70611	5.39972
CBL	3.31351	3.15031	3.1861	4.81196	3.39934	4.95852	3.64209	3.30188	4.06058	6.10888	5.45263	3.95741	7.36152	5.45275	4.07205
CBLB	2.29719	1.58197	1.87161	1.76951	1.1534	4.86045	1.35448	1.80698	0.402702	2.31167	3.32669	0.979581	1.60565	2.53919	5.09437
CBLC	4.02867	8.98616	8.81147	13.351	19.2689	10.982	10.1592	5.92429	18.1432	15.3146	17.2262	13.822	24.1509	14.8753	3.85017
CBLL1	2.50181	2.48509	2.42229	2.94349	0.726165	3.43794	2.40485	3.83046	2.43989	2.09551	2.47627	1.57692	3.41727	2.0835	1.85179
CBLL2	0.01496	0.0144159	0.0495037	0	0	0.0254764	0	0.0398855	0	0	0	0.0107042	0	0.00781873	0
CBLN1	0.0285247	0.00916243	0	0	0	0.056673	0.0108562	0.00845013	0	0	0	0	0.00613467	0	0
CBLN2	0.0479814	0.00385303	0	0.0164821	0.012422	0.00680926	0	0.00710699	0	0	0.0902751	0	0.0877126	0.0334363	0.103361
CBLN3	0.518327	0.410179	0.416563	0.162796	0.797507	1.87123	0.473467	0.350983	0.0480984	0.235448	0.289789	0.211939	0.127404	0.330254	1.04927
CBLN4	0.00744868	0	0.0184862	0	0.0231407	0	0.00850466	0	0	0	0	0	0	0	0
CBR1	11.6724	18.2025	17.7127	26.4582	32.3066	24.983	18.7777	9.91662	23.9159	16.8273	33.8438	14.6864	18.468	11.054	5.27831
CBR3	9.44869	9.28554	5.44065	17.544	18.3625	9.35681	10.1941	5.51183	22.9388	14.3406	28.9214	11.6899	11.8837	6.65691	3.28777
CBR3-AS1	1.05658	1.19478	1.07591	0.856791	0.828555	0.438372	1.43094	1.46	2.50286	1.32496	1.37602	1.82399	0.91599	1.0056	0.423915
CBR4	2.21449	3.099	2.99679	3.24262	1.05763	3.46164	1.8416	2.97264	1.98853	2.24842	3.09687	1.78318	1.7913	1.99002	2.05057
CBS	0.155807	0.116196	0.109751	0.109616	0.38025	0.445394	0.235731	0.152588	0.0351793	0.0443297	0.0125206	0.0214776	0.141393	0.193939	0.43304
CBSL	0.0784499	0.134257	0.158955	0.0772373	0.255762	0.285825	0.107848	0.0549821	0.0387788	0.0488249	0.157992	0.0219385	0.105728	0.171963	0.151412
CBWD1	7.93925	5.70416	4.85565	6.51856	4.31912	14.8285	2.65669	4.64999	10.6184	6.28819	10.0212	3.61906	9.42795	4.40178	4.12481
CBWD2	4.70495	3.81051	4.00254	5.05156	3.07721	5.68863	2.79454	2.89752	3.65038	4.55653	7.44743	2.98658	3.83355	5.15337	2.89024
CBWD3	1.68855	1.33567	1.55093	2.30171	1.33347	0.717677	0.56061	1.59002	1.22369	1.61306	1.26434	1.82108	1.54213	2.91471	0.539109
CBWD5	4.36732	4.38858	4.57966	4.298	2.73842	2.99824	3.28187	4.31516	2.13902	2.80703	3.86392	3.75461	3.50524	4.19021	2.71653

CBWD6	0.958205	1.09555	1.56535	0.952432	0.537003	0.74017	0.644883	1.06859	1.03634	0.893893	1.03641	0.801414	1.24323	0.863816	0.155339
CBX1	4.68744	5.37951	5.14413	7.10315	5.33324	9.12388	3.1993	3.88908	5.7509	6.62133	7.83966	3.78714	6.43926	5.55063	5.29099
CBX2	1.00058	0.857057	0.482854	1.84266	3.21643	3.34876	1.14243	0.613406	1.74327	1.12792	0.967422	2.09148	2.68091	1.80126	1.23073
CBX3	10.444	6.99583	7.02449	22.4783	2.34483	19.0153	4.45965	8.15825	7.38826	16.6846	22.9194	6.66289	17.1958	11.9821	9.43026
CBX3P2	0.712592	0.226291	0.415334	0.300415	0.125784	1.04805	0.351334	0.316646	0.138068	0.162614	0.438779	0.115882	0.344821	0.101572	0.279102
CBX4	5.91463	5.77949	5.85425	4.02445	8.76676	8.39867	4.85786	4.75175	14.3748	5.82254	4.78329	10.6958	6.56683	4.90398	3.68875
CBX5	9.74585	9.75176	10.7817	11.8223	4.32596	17.2579	9.46051	10.0446	4.23157	8.02964	9.72007	6.60186	10.1962	7.33633	9.79126
CBX6	6.97108	4.10026	5.36023	4.50299	9.47563	16.5091	8.19936	3.84999	1.09268	4.75396	7.90322	1.48001	7.02131	5.04816	12.529
CBX7	5.14034	5.19947	6.12523	2.43817	6.71568	7.65721	5.15653	3.33802	1.5962	0.91862	1.15929	0.958088	1.37641	1.50046	2.71334
CBX8	0.703573	0.613071	0.619197	1.2187	2.95313	2.5238	0.581123	0.439024	1.27619	1.10852	1.14912	0.64267	1.21695	0.829321	0.687945
CBY1	2.71307	3.71104	3.3742	5.27281	5.48712	6.21724	2.32847	2.2817	3.19334	3.56516	6.61878	2.65785	3.71239	2.95965	2.27503
CBY3	0.285717	0.371689	0.260001	0.0883318	0.576962	0.170299	0.391466	0.304705	0.104391	0	0.0645077	0.0613314	0.0553029	0.134395	0
CC2D1A	4.80663	6.40245	6.49582	7.0697	13.5204	11.9373	7.51341	4.31694	10.1282	6.62333	2.87812	7.75202	12.3351	5.87499	4.87588
CC2D1B	2.39453	3.27777	3.5792	4.75389	5.87491	5.40225	3.05181	2.4118	2.98605	3.47287	2.2503	3.19827	4.08286	3.56615	3.35655
CC2D2A	1.63116	0.980661	0.862789	1.26816	0.796005	2.14176	1.37209	0.914045	0.27689	0.978346	1.29956	0.555167	0.861494	1.1939	2.0316
CC2D2B	0.341235	0.215256	0.179442	0.0544224	0.0757223	0.0968524	0.153062	0.180513	0.0494745	0.0713809	0.160505	0.087201	0.0419358	0.273886	0.250862
CCAR1	7.58129	6.84127	6.87942	7.42566	2.83505	7.76397	3.79232	5.56962	4.85653	6.22567	6.39555	5.63351	7.70268	7.89952	5.50331
CCAR2	9.09868	9.35924	10.2791	11.6239	15.3226	18.632	10.8853	8.05661	7.02962	6.94722	5.57701	6.66403	12.2416	8.3879	8.4712
CCAT1	0.289806	0.319161	0.232898	0.110928	0.244377	0.0775549	0.132356	0.301707	0.0403372	0.0103925	0.0186945	0.0533221	0	0.0952066	0
CCAT2	0.383076	0.178207	0.207629	0.0816767	0.0820757	0.0449909	0.241315	0.328706	0.0643508	0	0	0.0661623	0	0.0759425	0
CCBE1	0.420716	0.586784	1.02582	0.502016	0.15478	0.458791	0.859591	0.737955	0.0314622	0.50025	0.679075	0.0237658	0.297636	0.156234	0.402801
CCDC102A	1.22909	1.3267	1.15867	1.4728	3.6556	1.84161	1.05522	0.474181	0.452548	1.01646	0.763655	0.634018	1.46306	1.08556	1.45041
CCDC102B	1.64911	0.508064	0.400096	0.629126	0.738934	1.28268	0.461673	0.655289	0.424861	2.0101	3.31157	0.73749	0.562692	2.20861	2.53912
CCDC103	0.0900508	0.185948	0.0851387	0.357943	0.499571	0.427201	0.0881289	0.057164	0.0313348	0.193754	0.334013	0.119663	0.315402	0.15464	0.0554247
CCDC105	0	0.0700499	0.0218681	0	0.0205306	0	0.0150908	0	0	0.0165888	0	0.0189143	0	0	0
CCDC106	1.6149	1.41623	1.12451	1.30502	3.8981	3.31401	1.03467	0.867309	1.03291	0.962398	2.16402	0.731543	0.824546	1.05654	1.40153

CCDC107	2.81788	1.99303	2.44991	2.9705	2.97472	5.44029	3.09233	1.61169	4.29127	3.64059	6.41894	2.119	3.96381	2.48417	2.1201
CCDC110	0.0639311	0.130913	0.118999	0.0164707	0	0.061241	0.0456215	0.0426125	0.0291978	0.03009	0.117277	0.0285902	0.10312	0.0417665	0.0229533
CCDC112	1.06987	0.779036	0.838492	0.862132	0.324879	0.575358	0.358198	0.857877	0.509438	1.0803	1.14419	0.333837	0.887499	0.618022	0.462097
CCDC113	0.812534	0.931657	1.06283	0.714651	0.607572	1.91597	1.24442	0.753807	0.74398	0.347504	0.451468	0.421376	0.368616	0.303193	0.435493
CCDC114	0.060288	0.141607	0.149623	0.0155321	0.163884	0.0577512	0.146274	0.147342	0.009178	0.0283754	0.0340288	0.00539221	0	0.0157546	0.0108226
CCDC115	6.38478	4.3602	4.97936	5.02098	4.96074	10.2065	4.50206	4.29833	3.7051	3.53605	6.4699	2.11896	1.99773	2.25564	2.59054
CCDC116	0.127253	0.106275	0.042109	0.0262276	0.197668	0.115578	0.0678035	0.0603156	0.0413279	0.0106477	0.0287305	0.0424913	0.0218941	0.0487725	0.0121834
CCDC117	2.72973	2.27224	2.47887	3.42715	2.14214	4.16545	2.02165	2.53691	2.97891	3.27651	4.3564	2.03033	3.85196	3.13807	2.3065
CCDC12	7.13927	5.56101	5.33189	8.11335	12.0446	9.55746	4.80024	5.21681	9.15372	6.34702	9.96218	5.33536	8.02249	5.78347	3.8733
CCDC120	4.16698	6.64075	6.04533	9.30413	12.8742	9.31383	9.11318	5.17821	19.1488	6.90283	5.6494	10.337	14.2233	5.38324	2.64746
CCDC121	0.4557	0.505779	0.552017	0.26835	0.189605	0.533531	0.334481	0.397756	0.227943	0.54131	0.67978	0.197968	0.231012	0.535879	0.584324
CCDC122	1.23708	1.13885	1.32004	0.87535	0.878108	1.03314	0.693512	1.14529	0.319373	0.930596	1.10122	0.679399	0.669439	0.807499	1.10796
CCDC124	8.48366	8.09269	7.10665	25.9857	20.8457	29.0222	10.2475	5.54548	29.5652	27.5715	35.268	18.3024	43.8435	18.3833	9.85118
CCDC125	1.40355	1.45169	1.60493	1.36926	0.998049	1.30665	1.05411	1.40813	1.37509	0.908206	1.40135	0.598105	0.885442	0.877008	0.815231
CCDC126	0.82353	0.766524	0.84386	0.704011	0.26166	0.629508	0.44877	0.840004	2.24528	1.69137	1.90158	0.749964	1.08683	1.49666	1.26333
CCDC127	1.80047	2.13849	2.34225	2.21414	1.9291	4.66153	2.03566	1.6142	0.64591	2.82028	3.67758	1.15966	2.15497	2.36174	3.69051
CCDC13	0.032711	0.0275812	0.0473565	0.143266	0.101623	0.174081	0.0186742	0.050874	0.328666	0.297654	0.203097	0.0526626	0.142459	0.106851	0.0587215
CCDC13-AS1	0.0417745	0	0	0	0	0	0	0	0	0	0	0	0	0.0873326	0
CCDC130	4.39044	4.16589	4.19746	4.54582	8.76612	6.11016	4.33896	3.23928	4.37602	3.80794	5.14331	4.13432	3.69454	4.40529	3.73258
CCDC134	1.37777	1.56294	1.7169	1.74334	4.09067	2.70271	1.75231	1.56543	0.552243	1.46657	2.04752	0.861043	2.35173	1.16672	0.726341
CCDC136	0.148523	0.140565	0.171138	0.0983939	0.313103	0.501345	0.369439	0.127281	0.045221	0.0932058	0.155688	0.0379543	0.0958262	0.205151	0.495155
CCDC137	4.07309	5.09398	4.24145	8.04414	9.66944	9.3482	2.88307	3.02465	4.67978	4.4094	3.69328	5.42818	8.67006	6.17976	2.20735
CCDC138	0.72964	0.576818	0.509845	0.649713	0.077026	0.79017	0.420584	0.522532	0.267449	0.524569	0.791685	0.349741	0.676432	0.829326	0.406934
CCDC14	3.61796	3.4501	3.19759	2.64257	0.910212	2.8838	1.95801	2.79968	1.09993	2.0849	2.20899	1.68864	2.52157	2.64108	3.95285
CCDC140	0	0	0	0	0	0	0	0.0121057	0	0	0	0	0	0	0
CCDC141	0.231924	0.136312	0.18506	0.0542421	0.104756	0.0364148	0.225364	0.163722	0.00200324	0.0123867	0.0185683	0.0329542	0.0116737	0.0575979	0.122835

CCDC142	0.950121	1.5574	1.4044	1.11658	3.66836	1.17736	1.19858	0.942626	0.574079	0.97291	0.909189	1.1437	0.677935	1.5576	1.72348
CCDC144A	1.29158	1.45396	2.01462	0.0655269	0.0361238	0.079042	0.322392	0.737533	0.0797306	0.260683	0.294624	0.154732	0.0302202	0.978351	1.27073
CCDC144B	3.62086	3.98937	5.62266	0.325716	0.764663	0.469004	0.92754	2.58566	0.396982	1.24832	0.807837	1.51914	0.339577	2.97639	3.02665
CCDC144CP	0.118283	0.0557504	0.0157586	0.118308	0.0688742	0.0146272	0.0249673	0.0386727	0.0446021	0.0536335	0.0859929	0.0416456	0.0716779	0.162791	0.0713
CCDC144NL	0.0170762	0	0	0	7.01E-45	0	0	0	0	0	0	0	0	0.00470195	0
CCDC144NL-AS1	0.00667139	0.00964313	0.0275952	0	0.010363	0	0.00761718	0.011858	0	0	0	0.00477356	0	0	0.0191619
CCDC146	2.78439	2.4021	2.84914	0.779959	0.485362	0.555765	1.14956	1.57358	0.65961	0.444462	0.587885	0.814807	0.228479	0.290323	0.638202
CCDC148	0.163143	0.0823481	0.102829	0.112083	0.0844727	0.158759	0.0620906	0.110467	0.0473072	0.0195011	0.0438496	0	0.0100247	0.0121808	0.0223138
CCDC148-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CCDC149	1.55647	1.32143	1.41194	1.02876	1.59237	3.77941	1.28075	1.20201	0.326828	1.11823	1.80552	0.410915	0.997298	0.844333	2.75171
CCDC15	0.897663	0.836372	0.875394	0.814794	0.12928	0.997196	0.52943	0.729086	0.231683	0.56706	0.791889	0.421112	0.744096	0.559261	0.401261
CCDC150	0.211435	0.160085	0.134933	0.21789	0.0469188	0.267479	0.117256	0.0858997	0.0515008	0.272954	0.238684	0.20748	0.136417	0.25574	0.303647
CCDC151	0.082104	0.074173	0.0679222	0.0634579	0.207246	0.174776	0.0820257	0.0456045	0.0624959	0.11593	0.18537	0.0293738	0.0463514	0.0643667	0.117912
CCDC152	0.741459	0.566018	0.531721	0.430851	0.118783	0.903705	0.452406	1.03562	0.0424801	0.397081	0.548811	0.245633	0.152265	0.294844	0.72677
CCDC153	0.301735	0.407065	0.324501	0.808461	0.749917	1.02769	0.172255	0.18771	1.17593	0.681674	0.681242	0.388619	0.292017	0.473099	0.216665
CCDC154	0.0422511	0.239198	0.192242	0.0761968	0.754752	0.278816	0.144723	0.159584	0.0771857	0.0795442	0.0119241	0.0529057	0.0272602	0.121453	0.121356
CCDC155	0.0194235	0.00467926	0	0	0	0.0248082	0	0.017262	0	0	0	0	0	0	0
CCDC157	0.226572	0.252578	0.262485	0.216496	0.527599	0.615476	0.295509	0.134145	0.228096	0.328187	0.243515	0.266256	0.247446	0.267622	0.364859
CCDC158	0.0765904	0.0522784	0.0264004	0.0263095	0.0198285	0.124997	0.0510116	0.0340336	0	0.00801073	0.00720508	0	0	0.0100074	0.0916612
CCDC159	1.11034	1.66788	1.72904	2.37823	4.93751	2.35434	1.81463	1.21897	1.69697	1.47557	2.43315	2.04073	1.51706	1.33131	2.62639
CCDC160	0.0700032	0.00674572	0.0347469	0	0	0.0476854	0	0.0995408	0	0	0	0	0	0	0
CCDC162P	0.191089	0.0596749	0.0556217	0.040114	0.0384777	0.0361578	0.0767669	0.198128	0	0.00444142	0.00399474	0.0126601	0.00228315	0.0462369	0.020328
CCDC163	0.134794	0.114904	0.102933	0.352615	0.241594	0.450272	0.189419	0.211942	0.0505119	0.0780831	0.18728	0.0964485	0.120418	0.341407	0.148908
CCDC166	0.0350652	0.016895	0.0290084	0	0	0.0597152	0	0.0311631	0	0.0220052	0.0197921	0.0125451	0	0	0
CCDC167	1.71707	1.87044	1.88368	6.77021	5.10246	4.48153	2.25882	1.36012	3.50047	5.71568	12.3043	2.7243	3.82928	3.45309	3.21642
CCDC168	0.00323378	0.00623233	0.0151595	0.006665	0	0.00642487	0.00738444	0.00766376	0.00262558	0.00947035	0.00730106	0.00462771	0.0139094	0.0118308	0.0185764

CCDC169	0	0	0.0124403	0.0154968	0	0.0468446	0.0171696	0.0267285	0.0183143	0.0653938	0.145485	0.0537995	0.038809	0.062875	0.10798
CCDC169-SOHLH2	0	1.18E-06	6.02E-26	7.50E-26	0	0.0156436	0	3.23E-09	0	0.0329577	0.0160795	2.45E-30	7.68E-32	0	4.70E-06
CCDC17	1.12115	0.713644	0.782841	0.381593	0.623119	0.376604	0.974752	0.594175	0.137796	0.400202	0.104502	0.471025	0.0862725	0.510702	0.709042
CCDC170	0.297885	0.162522	0.224688	0.216691	0.142898	0.328247	0.215073	0.264736	0.0266758	0.291404	0.395618	0.0470172	0.096097	0.0801334	0.339724
CCDC171	0.983503	1.03659	0.8899	0.506764	0.344798	0.657156	0.526374	0.801218	0.528195	0.338602	0.44333	0.410505	0.0881321	0.324833	0.431577
CCDC172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CCDC173	0.181389	0.0822549	0.0529615	0.0769696	0.0331481	0.109024	0.0243651	0.104308	0.0389843	0.0133918	0.04818	0.00763461	0.0137684	0.0669188	0.0153234
CCDC174	3.54964	3.05513	3.09823	2.89257	1.97963	3.90794	1.93717	2.50842	2.69478	2.98319	3.20392	2.13147	3.3193	2.57031	2.51519
CCDC175	0.00886707	0.00858379	0.0220064	0	0	0	0	0.00804237	0	0	0.010081	0	0	0	0
CCDC177	0	0.00266826	0.0137441	0.011414	0.0172047	0.0424393	0.00632304	0.00492166	0.00674459	0.00695068	0	0.0277378	0.00357305	0	0.00795318
CCDC178	0.105918	0.102066	0.065717	0.0341098	0	0.0901877	0.0755835	0.0411823	0.0161245	0.0249258	0.007473	0.00947338	0.0042711	0	0
CCDC179	0	0	0.023932	0	0	0	0	0	0	0	0	0	0	0	0
CCDC18	0.574953	0.530763	0.451659	0.453092	0.0450303	0.436083	0.165495	0.472325	0.241255	0.497254	0.698138	0.314595	0.52682	0.7222	0.367751
CCDC18-AS1	2.44457	3.40078	3.48921	1.31873	1.23901	0.747587	1.88041	2.8865	0.482224	0.648208	0.291508	0.950918	0.111072	0.929736	1.58229
CCDC180	0.260269	0.144281	0.227561	0.0197227	0.318873	0.100902	0.300656	0.216218	5.79E-05	0.0198685	0.0183195	0.0126388	0.0150583	0.0290719	0.0870125
CCDC181	0.173428	0.102129	0.0717361	0.0595743	0.044899	0.04102	0.0880066	0.119878	0.0352027	0.060464	0.0435064	0.103411	0.0372984	0.0453206	0.0691847
CCDC182	0	0.0262678	0.0451014	0	0.0423429	0	0	0.0484514	0	0	0	0	0	0	0
CCDC183	0.242759	0.524324	0.494666	0.169497	1.41433	0.42715	0.515646	0.286505	0.385836	0.186198	0.121798	0.447446	0.128948	0.120836	0.116211
CCDC183-AS1	0.378281	0.996881	0.775641	0.697741	2.32763	1.74929	0.935952	0.66458	1.18731	0.913042	0.580326	1.98931	0.658231	0.724198	0.50147
CCDC184	0.167846	0.0618425	0.0898469	0.203495	0.260723	0.327873	0.214188	0.0789712	0.0961967	0.18588	0.267498	0.0706462	0.356732	0.417978	0.723146
CCDC185	0.022062	0.0159447	0	0.0113678	0.0342699	0	0.0377845	0.0490172	0	0	0	0	0	0.0172959	0
CCDC186	3.13427	3.58526	3.89773	2.60596	1.31199	1.88462	1.69053	2.99344	6.65533	3.59535	3.21363	3.21834	3.5799	2.28428	2.02772
CCDC188	0.292487	0.193772	0.181475	0.0376771	0.624709	0.373574	0.292208	0.292431	0	0	0.288909	0.0784809	0	0.248408	0.210024
CCDC189	0.107679	0.109245	0.0488387	0.0760683	0.187301	0.0654955	7.82E-35	0.0739762	0.123624	0.0438694	0.202306	0.111955	0.123247	0.155367	0.135327
CCDC190	0	0.0143694	0.0370082	0	0	0.0380915	0.0170258	0	0	0	0.033667	0	0	0.00779354	0
CCDC191	1.1117	1.71772	1.68985	0.807026	1.25048	0.881315	0.568997	1.01232	0.373496	0.501757	0.500751	0.528994	0.268532	0.681198	0.825796

CCDC192	0.124828	0.144345	0.309799	0.0514554	0.0387801	0.0212578	0.171029	0.177498	0	0.0313343	0	0.035727	0	0.0521923	0.179268
CCDC196	0.055278	0.0443896	0.0304866	0	0	0.141205	0.0210382	0.0163755	0	0	0	0	0	0	0
CCDC197	0	0	0	0	0	0	0	0	0.00849989	0	0	0	0	0.00364764	0
CCDC198	0.0725487	0.0794434	0.0491052	0.00679669	0.0102448	0.0168475	0.0150607	0.0703367	0	0	0.0372266	0.00943829	0	0	0
CCDC200	0.387236	0.559729	0.471102	0.375584	2.26451	0.678848	0.858259	0.263168	0.0277418	0.114358	0.205714	0.146688	0.205753	0.67859	2.28991
CCDC22	2.12569	2.44747	2.53458	4.06235	5.85976	4.58872	2.98537	1.74723	3.46395	2.42997	2.83901	2.61353	3.69592	2.96782	1.61954
CCDC24	1.33518	1.84	1.5915	0.503031	3.07753	1.45472	2.78665	1.23763	0.577001	0.756805	0.291725	1.37653	0.296412	0.502732	0.556688
CCDC25	5.10546	2.901	3.05067	4.57992	1.42216	7.8228	2.80937	3.41286	4.10395	3.79845	4.6581	2.43389	4.72158	3.53563	2.85796
CCDC26	0.011423	0.11558	0.151199	0.117718	0	0.0680859	0.0391273	0.0203037	0.0417359	0.229393	0	0.37598	0	0.191046	0
CCDC27	0	0	0	0	0	0.0090644	0	0	0	0	0	0	0	0	0
CCDC28A	2.9857	1.59508	1.44616	3.07685	1.22554	4.5445	1.44837	1.53982	1.7145	2.23288	3.92932	1.22868	1.35743	1.16428	1.13306
CCDC28B	1.04248	1.21887	1.34536	0.658907	2.02956	0.899493	1.34897	1.01294	0.372423	0.75016	1.86724	0.527118	0.466338	0.661079	1.39732
CCDC3	6.86826	8.49955	12.9513	3.10402	5.76357	11.536	11.6067	10.2594	1.27209	3.61276	4.25715	1.78586	7.09548	4.22439	7.32578
CCDC30	0.14535	0.179115	0.146283	0.0704058	0.0309937	0.146762	0.0955084	0.0849622	0.0538561	0.055005	0.0694524	0.0776133	0.0263054	0.0773255	0.125852
CCDC32	1.59783	1.72739	1.83397	1.53081	1.25141	1.58652	1.62218	1.11625	0.723712	1.3806	2.477	0.861873	1.15537	1.69401	2.03499
CCDC33	0	0	0	0	0	0	0.00687587	0.00535197	0	0	0	0	0	0	0.00864854
CCDC34	0.786376	0.70852	0.57248	0.980564	0.769554	1.33248	0.18855	0.405342	0.804483	0.710628	1.22505	0.376991	0.684944	0.632931	0.293627
CCDC36	0.497862	0.348913	0.349463	0.163247	0.562438	0.321154	0.577056	0.449162	0.0367479	0.208289	0.263981	0.0917572	0.189811	0.201067	0.60666
CCDC37-DT	0	0.0239028	0	0	0	0	0	0	0	0	0	0	0	0	0
CCDC38	0.0473757	0.0570659	0.127376	0	0	0.010085	0.0946612	0.0526295	0	0	0	0	0.00764165	0.00619016	0
CCDC39	0.384916	0.18256	0.288577	0.0681771	0.0467115	0.18436	0.116738	0.384841	0.0146495	0.05284	0.067894	0.0774611	0.0310432	0.0628668	0.146834
CCDC40	0.275313	0.216769	0.313862	0.238738	0.198182	0.254437	0.341177	0.190966	0.0368012	0.168559	0.106125	0.297893	0.181963	0.363236	0.303771
CCDC42	0	0	0.0138736	0.0172823	0.0260501	0.0856783	0	0.0149041	0	0	0	0	0	0	0.0240843
CCDC43	2.95512	2.35217	2.31037	4.80784	1.88321	4.44262	1.61906	2.38577	2.5048	3.51879	4.63125	2.47851	5.86651	3.62642	2.33183
CCDC47	16.2523	13.7533	13.9658	19.6293	10.5671	22.536	7.86769	11.6524	16.6031	15.0629	18.2322	11.2657	24.2035	13.3126	10.6349
CCDC50	6.27389	3.29829	3.91726	2.93157	1.71129	5.32667	3.59053	4.75752	1.21574	3.08678	4.86666	1.23794	4.08955	3.20334	4.73528

CCDC51	1.69635	1.53087	1.38107	7.492	3.97343	5.66303	1.67552	0.93326	2.86939	4.17369	6.03367	2.80326	8.42576	4.39072	1.87547
CCDC54	0.0178849	0.0172344	0.0295913	0.0184309	0.0277814	0	0	0	0	0	0.0201898	0	0	0	0
CCDC57	1.56621	1.39383	1.45065	1.03487	2.49965	2.36649	1.72163	1.32914	0.164566	0.470239	0.464548	0.722939	0.388353	1.61628	2.45656
CCDC58	2.1716	1.8983	2.00181	4.31594	0.289135	2.93213	1.23973	1.46124	2.19138	3.58219	5.25315	1.909	3.06241	2.86986	0.891055
CCDC59	3.85659	2.33447	2.53687	2.93419	0.98163	3.60449	1.43069	2.63607	3.49234	3.07104	4.93472	2.28961	4.54873	2.94186	2.42031
CCDC6	13.6769	14.8389	15.373	16.6734	5.93599	15.7147	11.1211	12.6668	29.6031	18.0035	18.8296	14.7375	23.9764	13.0257	8.91095
CCDC60	0.0377846	0.0227565	0.0234435	0.0194691	0	0.0643461	0	0	0	0.0118559	0	0	0	0.00987393	0.0542634
CCDC61	1.16794	2.44666	2.17396	2.77351	6.38921	3.41585	1.34801	1.19592	2.16456	1.46589	1.83438	1.3898	1.70368	1.66538	1.8414
CCDC62	0.158317	0.0936157	0.125018	0.0964069	0.0670693	0.226717	0.0575149	0.121513	0.0613493	0.117416	0.170596	0.0514909	0.0371437	0.060177	0.0413387
CCDC63	0.0464487	0.072734	0	0.0239334	0.180377	0.0197752	0.172359	0.0103199	0.721258	0.0145745	0.0131087	0.14125	0.00749211	0	0
CCDC65	0.318775	0.301037	0.221519	0.105122	0.257487	0.380006	0.174704	0.215308	0	0.160038	0.0431828	0.319329	0.0575881	0.226584	0.311305
CCDC66	1.76562	1.70554	1.4128	1.7835	0.373672	1.30317	0.509538	1.36399	0.973853	1.53148	1.22221	0.890055	1.42093	1.14054	1.78868
CCDC68	0.357655	0.132557	0.20939	0.107737	0.0598298	0.238946	0.131931	0.215163	0.107221	0.428176	0.254672	0.102365	0.102953	0.224312	0.0474128
CCDC69	6.11429	2.16518	2.653	8.56733	3.57482	20.0191	4.30682	2.66853	2.97695	4.70869	6.37192	1.29592	10.0072	5.13145	6.48299
CCDC7	0.630745	0.676082	0.707988	0.412335	0.151065	0.29811	0.25063	0.530921	0.162434	0.209247	0.489326	0.155077	0.0824663	0.318037	0.538709
CCDC70	0	0	0.0150044	0.0186909	0	0	0	0	0	0.022764	0	0	0	0.00947929	0
CCDC71	4.09985	4.52919	4.95545	6.47572	6.52719	6.87318	4.72482	3.35983	3.7332	3.63888	5.82492	2.66852	5.62002	3.82492	4.23708
CCDC71L	1.12546	0.460596	0.516008	2.75631	1.3375	4.45384	0.549613	0.584461	0.379827	2.22947	3.33315	0.514224	3.90628	1.07721	2.7701
CCDC73	0.121697	0.0469818	0.0355027	0.0878123	0.018066	0.0409647	0.027862	0.169679	0.0295213	0.0231772	0.0206205	0.0477753	0.0236185	0.0961579	0.0966561
CCDC74A	0.430953	0.441438	0.562313	0.22763	0.596012	1.07207	0.42827	0.450252	0.27617	0.591726	1.7557	0.167756	0.306901	0.590138	1.45265
CCDC74B	0.208316	0.047905	0.0535074	0.0547082	0.178463	0.210709	0.0236283	0.106011	0.110685	0.239061	0.542048	0.0159042	0.0139284	0.0768062	0.366993
CCDC77	1.0361	1.16726	1.02456	1.67633	0.789618	1.7478	0.89698	1.11709	1.04683	1.37043	1.67093	0.978755	1.25823	1.30906	1.46006
CCDC78	0.0574626	0.0207648	0.0713056	0.0444126	0.156204	0.244643	0.0820111	0.0766019	0.0174957	0.0180304	0.016217	0.10279	0	0.0976055	0.0618926
CCDC8	1.47855	0.755865	0.740785	0.321905	3.4073	2.51201	1.01448	0.629243	0.363522	1.15874	1.62991	0.745027	0.326941	2.85156	0.937078
CCDC80	26.2031	25.325	36.7119	7.2126	20.4085	38.2564	35.2377	19.8393	1.41168	8.38373	11.5271	2.02777	7.83052	6.45093	40.909
CCDC81	0.149793	0.128307	0.0619598	0.0428795	0.0129267	0.19132	0.104518	0.0813534	0.0101351	0.104448	0.0751546	0.083363	0.0483229	0.169625	0.0597561

CCDC82	2.24947	1.45699	1.65936	1.23306	0.831312	1.82278	0.74021	1.38432	0.413326	1.58914	2.37729	0.616427	1.55241	1.4713	2.05579
CCDC83	0	0.00946175	0	0.0303559	0.0457562	0	0.0224217	0.0174524	0	0	0	0.00702566	0	0.0307906	0
CCDC84	3.91816	3.69486	4.42694	2.13672	4.14434	1.93425	3.11587	3.06211	1.74535	3.53998	1.73827	2.63991	1.19021	2.98803	2.34275
CCDC85A	0.771057	0.510821	0.58628	0.262918	0.748573	0.555167	0.49197	0.393012	0.048334	0.0782744	0.0704022	0.0730207	0.131686	0.109637	0.219839
CCDC85B	7.11949	5.91927	7.27283	7.31749	21.0676	21.6574	6.34862	2.95493	10.2493	9.40724	26.2953	10.7798	22.7128	9.33676	8.65979
CCDC85C	4.65718	5.19989	4.94104	9.02994	15.5285	10.8267	5.42104	4.12993	19.6942	7.71687	7.29911	9.46142	12.4543	8.1443	3.17318
CCDC86	3.39221	2.83345	3.12896	7.32163	5.86818	9.26492	4.06454	2.51754	4.45976	3.84681	5.32218	3.7328	10.2584	6.60326	2.73457
CCDC87	0.0714537	0.0382527	0.111655	0.0818168	0.0616624	0.250128	0.0362593	0.0141116	0.00966917	0.0597878	0.0537749	0.0284039	0.0512239	0.0497931	0.0342055
CCDC88A	2.89757	1.65965	1.98554	1.87813	0.758096	2.68407	0.893723	1.75588	0.439323	3.24912	4.04823	0.922781	3.06818	2.77006	4.57438
CCDC88B	0.540945	0.657255	0.716013	0.644714	2.01666	0.668883	0.375951	0.526732	0.303626	0.513634	0.488528	0.774122	0.515935	0.66624	1.16868
CCDC88C	2.81042	3.39266	2.70317	5.03045	4.44658	4.88274	2.28753	1.75328	1.58808	1.22457	1.03214	3.16349	2.97923	2.27544	1.82419
CCDC89	0.332788	0.137436	0.188781	0.0685896	0.103387	0.194307	0.0977058	0.135202	0.1158	0.15514	0.407877	0.0272136	0.073616	0.119266	0.16386
CCDC9	4.12076	6.46074	6.42178	6.89779	16.7463	11.1617	5.26445	3.09801	10.2407	5.99669	3.72146	7.4669	10.3689	5.55884	4.91028
CCDC90B	1.79996	1.76979	1.99117	2.6904	0.715244	1.63066	0.967824	1.75776	1.79705	2.2263	3.29006	1.04082	1.99519	1.55057	2.01387
CCDC91	3.2362	2.66224	2.54615	2.83325	1.31775	2.26719	1.27206	2.5543	3.10364	3.23468	3.79015	2.25662	3.6606	2.22481	2.02773
CCDC92	3.3441	2.21159	2.00854	6.92076	4.61105	8.87776	2.63612	2.32058	3.28051	7.12949	8.48099	4.55617	10.6993	5.02307	4.14468
CCDC92B	0.151432	0.299398	0.28079	0.17758	0.31634	0.102265	0.310029	0.0881734	0.0254383	0.0131078	0.0235791	0.0971449	0.0235836	0.0354789	0.0374959
CCDC93	4.05479	3.60639	4.06177	3.57279	2.82758	4.37121	3.07752	2.82586	2.50168	3.39978	2.16802	2.48308	5.04909	3.64141	2.78688
CCDC96	0.40847	0.481659	0.49798	0.598178	0.985137	0.823753	0.208643	0.28659	0.942576	0.49918	0.364036	0.307654	0.825305	0.36517	0.308745
CCDC97	3.62876	4.75711	4.96881	6.50885	7.71007	10.1422	5.72835	4.27343	3.78082	3.56731	4.67488	4.02048	7.60829	4.64327	4.01333
CCDC9B	1.71607	4.63024	3.06214	1.67444	9.54235	3.5513	3.12504	1.70657	6.45513	3.21168	2.16774	4.4857	2.91516	3.3151	2.35219
CCEPR	0.0184996	0.0044567	0.0229563	0.00953221	0.0143682	0.0078761	0	0	0.0112652	0	0.0208838	0	0.0238717	0.0241718	0
CCER1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00408358	0
CCER2	0.394111	0.443073	0.235471	4.87371	2.55079	0.261007	0.299989	0.583755	0.37332	0	0	0.0626659	0.748708	0	0
CCHCR1	0.258418	0.301768	0.342261	0.284674	0.605084	0.739247	0.242728	0.170831	0.218601	0.14859	0.159513	0.183083	0.266111	0.208246	0.199272
CCIN	0.0595549	0.0229556	0.0295608	0.0368239	0.0555056	0.0709944	0.0951971	0.0529275	0	0.0597981	0.282366	0.0511358	0.0307396	0.0684772	0.188163

CCK	0.028206	0	0.023334	0.174403	0.109534	0.0840597	0	0	0.137407	0	0.0477616	0.0201822	0	0.0368543	0.121522
CCKAR	0.0137592	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CCKBR	0.0871496	0.00933111	0.0320428	0.0199578	0.0150415	0.0247356	0.110561	0.0344228	0	0	0	0	0	0.0253045	0.139064
CCL1	0	0.0750887	0	0	0	0	0.0444848	0	0	0	0.0439825	0.0557558	0	0	0
CCL11	0	0	0	0.23205	0	0.703025	0	0	0	0.847856	1.6099	0.0358043	0.0484274	0.771501	12.1807
CCL13	3.75293	0.877903	1.16988	3.81145	0.802625	5.99748	2.23564	2.3202	0	2.55995	6.29348	0.116753	2.47401	1.17971	1.83561
CCL14	22.9341	8.7354	7.36103	16.2728	13.0429	42.3289	13.615	12.5113	0.610519	10.8008	37.8198	0.358689	4.72606	3.6898	11.8787
CCL15	0.0214288	0	0	0	0	0	3.19E-13	0	0	0	0.0957712	0	8.81E-10	0	0
CCL15-CCL14	1.30E-21	3.76E-22	4.15E-22	6.35E-22	6.32E-22	1.53E-21	0.0278441	9.11E-22	2.28E-23	3.94E-22	0.00118579	1.34E-23	0.0472347	7.52E-23	4.54E-22
CCL16	0.0306125	0.0663731	0.0379872	0.0630941	0.0237759	0.104265	0.0174762	0	0	0.0384218	0	0	0	0.055998	0.0439634
CCL17	0.338679	0.0906559	0.155655	0.0387798	0	0.0640846	0	0	0.0458303	0.566769	0.977056	0.026926	0.169955	0.255679	0.0540428
CCL18	7.23035	0.0713872	0.147085	46.3555	1.79516	12.9944	0.338335	2.60716	0	30.9065	103.7	0.614884	54.6033	13.6443	10.1709
CCL19	3.55266	4.77653	5.71008	13.7728	2.89065	22.2989	1.54526	1.98459	0	0.424662	1.79518	0.0242098	2.53229	0.44209	2.91547
CCL2	3.09813	4.88122	6.25371	45.8155	1.82874	49.1991	3.18361	5.09372	1.47154	20.8811	61.0997	2.10596	76.9776	13.65	31.1897
CCL20	0.494745	0.211889	0.204644	4.75859	0.0853899	0.257442	0.0941472	3.2488	0.702967	4.1742	8.43963	0.786673	0.922153	0.301671	0.118419
CCL21	22.6259	11.0759	10.7386	21.478	25.5862	81.8405	18.0982	5.92899	1.66909	47.9355	75.5162	18.0767	108.61	59.3021	58.5257
CCL22	1.21346	1.87246	2.90661	1.78994	0.455832	0.796884	0.824052	4.70842	1.11081	1.01535	2.02344	0.544794	2.10314	1.91506	0.387264
CCL23	2.14425	0.213751	0.122336	1.56203	0	0.849939	0.168843	0.722824	0	0.278405	0.709482	0	0.190821	0.154576	0
CCL24	2.18573	0.371689	0.319093	1.12623	0.399435	1.69691	1.6148	0.799852	3.28832	0.645487	1.95942	0.275991	0.539203	0.235192	0.184646
CCL25	0	0.0111284	0.0191073	0	0	0.177	0	0	0	0	0	0.0165264	0	0.0120714	0
CCL26	0.370618	0.0595232	0.136267	0.254622	0.319832	0.245448	0.611231	0.219583	0.250762	0.413479	0.325408	0	0.26569	0.0645671	0.177418
CCL27	0.252103	23.5889	37.0815	0.363719	0	0.0429325	9.84423	16.8484	0.0614066	0.063283	0.0569186	0.180386	0	0.052704	0.289641
CCL28	2.10793	1.2815	1.02256	0.909855	0.497151	1.91704	1.3861	1.21621	0.678767	0.526362	1.49503	0.458011	0.594566	0.749844	0.324914
CCL3	0.319816	0.0140084	0.0962089	6.92089	0.808059	3.41637	0.16598	0.284226	0.106227	5.88321	7.15501	0.426691	2.19341	0.744577	1.40579
CCL3L1	0.0183007	0.00220438	0.0037849	0.195074	0.0152902	0.0779128	0.00533242	0.0121981	0.0113759	0.860831	0.0929706	0.0212435	0.208957	0.0671682	0.109541
CCL3L3	0.039006	0.00469843	0.00806714	0.317716	0.0315712	0.166067	0.0110105	0.025999	0.023489	1.41946	0.198143	0.0452795	0.380584	0.0565089	0.226182

CCL4	0.277578	0.167177	0.258336	4.99466	0.215587	2.47402	0.0396162	0.218291	0.253544	1.89267	1.41546	0.344475	2.46318	0.453357	0.946763
CCL4L1	0.0266446	0.0331582	0.0582286	0.345793	0.0145084	0.308003	2.26E-08	0.074997	4.81E-08	1.10569	0.536829	6.38E-08	0.659154	0.0467131	0.565767
CCL4L2	0.0012151	0.0169816	4.50E-09	0.344126	0.0587101	0.101906	0.0129339	0.0495948	0.0275924	0.440161	0.00104446	0.065856	0.0175196	0.0216149	0.0653165
CCL5	11.0016	9.9052	10.345	6.00588	22.9687	6.27703	9.05466	5.71626	2.24251	5.44649	2.30631	8.17077	3.71927	6.42292	11.9032
CCL7	0	0	0	1.40464	0	0.435225	0	0.0504727	0	0.534606	0.801399	0	0.293139	0.11873	0.326246
CCL8	0.277717	0.115967	0.183797	3.6633	0.172556	11.2088	0.105696	0.213903	0.0225485	0.999214	2.69616	0.0662379	3.28499	0.609617	1.03697
CCM2	3.44168	3.77361	3.28973	11.5036	10.3787	13.4325	3.15751	1.97335	7.54733	13.3138	14.3332	6.91844	21.1769	8.47157	6.10228
CCM2L	1.56298	0.54168	0.582231	0.77238	2.0445	1.83674	0.814009	0.479261	0.289426	0.573596	1.04214	0.503586	0.695873	1.07484	2.31027
CCNA1	0	0	0.00831693	0.217568	0.031233	0.205449	0.0344361	0.00893467	0.0367319	0.227126	0.0567455	0.208612	1.5308	0.310008	0
CCNA2	0.565298	0.548635	0.386468	3.47822	0.479357	2.64652	0.789734	0.628377	0.405847	2.36241	3.74343	0.816414	3.69423	3.36756	1.23802
CCNB1	1.06798	0.859328	0.556609	11.0829	0.696753	8.00248	1.43887	0.749812	0.923479	4.62445	7.63152	2.67458	8.66829	9.3885	2.13191
CCNB1IP1	7.82418	5.8862	6.37048	4.59734	1.55652	6.31155	6.19067	4.76985	2.54106	4.06588	9.08046	2.00364	3.30341	4.10359	3.21324
CCNB2	1.26995	1.0582	0.791037	5.66601	0.510575	5.33042	1.04058	0.956016	1.49207	3.80666	5.24536	1.41114	3.69198	4.71641	0.922636
CCNB3	0.0872161	0.116179	0.106105	0.0475829	0.0478153	0.0917371	0.0761498	0.150461	0.0499856	0.0772695	0.0347492	0.0477218	0.0496512	0.0187695	0.00736784
CCNC	5.31848	4.35442	4.7824	8.32057	0.853081	6.87497	4.54335	5.61712	8.33129	9.57755	12.4754	4.62591	14.0738	8.20805	4.56619
CCND1	15.3999	32.1937	39.8356	14.5633	17.9452	15.4974	41.2101	15.5948	18.7817	9.16308	13.3217	7.35891	14.5453	12.8147	19.125
CCND2	7.70016	7.48507	4.69979	21.1945	15.5989	21.3133	7.33324	6.66035	20.1431	17.0042	14.9895	21.9879	39.3899	23.2972	20.7912
CCND2-AS1	0.0418543	0.0739345	0	0.0295911	0.130015	0.0124388	0.0796383	0.0247952	0.135916	0.105052	0.141948	0.109798	0	0.058327	0.302926
CCND3	5.52767	3.89091	3.69465	6.07369	4.60595	11.3275	4.53915	3.42901	2.85333	3.50106	6.69465	2.82888	5.27175	3.45533	3.73265
CCNDBP1	3.08784	2.73492	3.01942	3.92704	2.53873	4.33532	3.65592	2.38358	4.76621	5.0626	6.91694	2.60674	4.90907	2.77039	2.10345
CCNE1	0.343123	0.353447	0.401313	1.64606	0.367578	0.86642	0.243166	0.347	2.36321	1.72262	1.72301	1.23603	2.47336	1.19348	0.407808
CCNE2	0.624353	0.545852	0.547562	1.09917	0.1055	0.943317	0.659146	0.884029	1.50187	1.44117	1.69127	0.632776	1.88328	0.992715	0.232961
CCNF	0.577228	1.22683	0.669426	3.11877	1.9441	3.40374	1.22573	0.862978	2.47034	2.09219	1.75998	1.64823	3.85652	2.57137	0.890952
CCNG1	3.62124	2.9474	3.33635	5.33613	1.10781	5.3242	1.94969	3.17352	2.11637	3.72542	5.87939	1.52011	3.68758	2.85065	2.56774
CCNG2	4.62946	3.10646	2.96942	4.72286	2.59407	5.1695	1.89225	3.58073	1.08129	3.9373	4.9254	1.62751	4.32623	2.09474	2.72011
CCNH	2.86726	2.54282	2.77166	2.38263	0.846071	2.17579	1.9379	2.81743	1.77144	2.19802	2.96661	1.53909	1.61862	2.35002	2.3227

CCNI	51.5566	39.9827	44.846	66.6564	44.046	82.0452	41.9507	38.7263	47.6814	54.9097	66.2156	34.2959	94.1101	47.124	44.2655
CCNI2	0.202069	0.27549	0.31991	0.122457	0.07209	0.154797	0.274978	0.225764	0.291516	0.14653	0.0774999	0.124608	0.0413839	0.238187	0.457037
CCNJ	1.21364	1.13178	1.20296	1.08355	0.269315	1.05721	0.913153	1.30225	0.987655	1.0389	1.07331	0.716324	1.40008	1.12245	1.41363
CCNJL	0.196784	0.344777	0.118396	0.639103	0.981863	1.10691	0.14298	0.339172	0.254186	0.54636	1.44058	0.40108	0.396282	0.529823	0.359682
CCNK	6.42782	7.07484	6.60796	10.395	5.89555	12.8648	7.20484	8.65226	7.79258	6.97071	8.07635	7.05854	11.3559	7.17821	6.18012
CCNL1	10.3145	8.73914	8.57707	10.2056	4.47294	8.7762	5.75795	6.68883	10.7064	10.7755	13.1574	13.5341	9.00916	11.3392	9.43044
CCNL2	13.237	17.1996	16.4618	10.5764	20.3249	10.07	13.1201	10.4908	7.69999	7.91344	7.25516	13.7617	4.92759	13.3543	13.7011
CCNO	0.437084	0.502185	0.778803	0.427329	0.800804	0.782514	0.46066	0.378484	0.17744	0.196928	0.202426	0.288688	0.216927	0.0820039	0.0160951
CCNQ	3.21631	2.54526	2.51211	4.24034	4.18663	5.9669	3.17991	1.98011	4.59548	5.18696	9.31029	2.26278	5.55305	4.4701	2.99334
CCNT1	3.8937	3.40713	3.48615	3.49709	1.2391	4.08652	3.01976	3.79455	2.67165	2.87228	3.93049	2.39772	3.34954	3.35414	2.98136
CCNT2	4.16108	3.42153	3.62245	3.12424	0.597846	2.47668	2.97881	4.20546	2.36672	3.32202	3.33338	2.54622	4.14411	3.58448	2.5643
CCNT2-AS1	0.51063	0.523804	0.395175	0.203698	0.358212	0.589076	0.300914	0.351333	0.0601828	0.413479	0.632221	0.188578	0.212552	0.318531	0.402148
CCNY	6.77092	4.81951	4.9404	7.12644	4.01772	9.27069	5.22608	5.55613	4.69488	6.83257	10.4716	3.41717	7.81395	4.73496	6.37894
CCNYL1	2.45573	1.65649	1.71336	4.36623	1.71887	3.41113	1.22965	1.82484	1.90968	4.07718	4.57584	2.55738	7.13189	3.90303	3.11883
CCNYL2	0	0.00674776	0	0	0.054386	0	0.00799515	0	0	0.00878878	0.00790488	0	0	0.0109793	0
CCP110	2.00276	1.41416	1.75205	1.54991	0.321826	1.61385	0.849843	1.75943	1.69619	1.66615	1.27336	1.25733	1.6313	1.38361	1.39403
CCPG1	3.33007	2.46616	2.81492	1.97877	0.957914	3.89646	1.56045	2.36762	2.71049	3.00148	4.37187	1.25843	2.79919	2.11034	3.97468
CCR1	0.752409	0.229181	0.300491	5.65937	0.711997	5.32416	0.967695	0.630248	0.11586	5.73123	10.4854	0.210397	4.82102	1.66337	5.37793
CCR10	0.353471	0.12549	0.338587	0.134202	0.491267	0.506907	0.424823	0.148801	0.135944	0.0933984	0.546034	0.106492	0.180046	0.272248	0.748085
CCR2	0.262447	0.235659	0.281262	0.811378	0.509588	0.62978	0.136206	0.302153	0.116229	0.875898	1.81802	0.0512149	1.98962	0.358503	1.25921
CCR3	0.0372274	0.00597891	0.0205314	0.0511519	0	0	0.0850101	0	0.0151129	0.062299	0.0980586	0	0.0720568	0	0.213853
CCR4	0.642475	0.349931	0.543055	0.93556	0.32543	0.190281	0.25515	0.521328	0.0680402	0.315537	0.709507	0.259835	0.802009	0.299287	0.661919
CCR5	0.25286	0.118786	0.13074	0.657964	0.432058	0.732046	0.122701	0.134833	0.0615911	0.539522	0.549487	0.0949874	0.868744	0.426202	1.34362
CCR6	0.414277	0.641157	0.82045	0.504548	0.175504	0.160342	0.17917	0.608047	0.0917352	0.189077	0.304693	0.130248	0.413382	0.393671	0.234376
CCR7	0.57429	0.177585	0.333275	0.529991	0.41275	1.57648	0.185947	0.556088	0.0208782	0.215162	0.358018	0.177861	0.685755	0.909408	1.07095
CCR8	0.0778179	0.11998	0.257506	0.12831	0	0.0662609	0.10662	0.138316	0	0.0781356	0.122985	0	0.0702908	0.040671	0

CCR9	0.113404	0.180731	0.122682	0	0.0677519	0.0594226	0.418322	0.0852785	0.0318722	0.0547435	0	0.0873851	0.00562826	0.0182368	0
CCRL2	0.29766	0.107563	0.123123	0.549589	0.173388	1.0983	0.0566431	0.242491	0.271887	0.918418	1.12007	0.115366	0.696176	0.356515	0.9262
CCS	3.6105	4.63531	4.52666	7.07168	14.6305	10.1012	3.89191	3.16885	5.10728	4.36267	7.69592	5.48773	4.45638	4.71165	3.83249
CCSAP	3.05953	2.99398	3.70873	1.14102	1.24253	1.60465	2.85344	4.08059	5.30029	2.33691	2.72429	1.61035	2.18101	1.52582	1.31102
CCSER1	0.635861	0.576853	0.639766	0.247941	0.15572	0.251203	0.562491	0.666921	0.0593015	0.0395441	0.0646674	0.0389394	0.0720717	0.0164667	0.234464
CCSER2	6.31146	6.20322	6.91882	4.26425	1.91864	5.30681	5.08602	6.48585	12.5231	5.71145	6.17408	3.98214	5.64967	4.31794	5.27286
CCT2	11.5917	10.0903	9.45523	29.2418	9.21572	24.4208	9.88881	9.67104	17.057	23.2679	34.8145	13.6131	39.1213	23.4076	13.0645
CCT3	18.0808	16.5011	16.7984	49.6234	20.3739	40.5541	18.7918	13.0813	34.9176	39.3392	46.4395	27.1602	57.121	32.846	16.8974
CCT4	16.611	15.8031	16.3825	39.9817	13.1003	30.8059	16.12	13.0465	21.2624	33.4122	44.2317	18.7376	50.2386	27.4604	15.267
CCT5	7.94967	7.15442	7.2033	24.5471	9.70054	20.6194	7.45796	6.22843	15.6937	20.1429	24.979	12.5186	35.7695	20.3117	11.4579
CCT6A	17.8695	14.6751	14.8189	32.9894	9.01424	28.3989	11.7737	14.4295	26.2491	29.276	44.1306	19.0771	41.0087	25.9835	13.3992
CCT6B	0.841344	0.640371	0.665757	0.389535	0.208346	1.31858	0.612569	0.639351	0.326704	0.260167	0.578122	0.357712	0.141608	0.305894	0.595383
CCT6P1	1.61948	1.62331	1.7361	0.630599	0.638785	0.817153	1.02417	1.20636	0.404937	0.701123	0.561911	0.52153	0.348899	0.9103	0.686197
CCT6P3	1.82979	1.88779	1.8929	1.39554	0.762873	0.726847	0.795448	1.56198	0.799199	1.33809	1.12951	1.40491	0.517258	1.14861	1.29656
CCT7	17.7104	14.8108	15.4145	50.083	33.3662	43.2723	19.61	13.6545	28.0888	36.2365	44.6525	22.5573	57.5013	32.9106	17.7139
CCT8	14.5258	11.3289	11.8596	27.5377	4.61205	24.4216	8.93735	10.4216	21.1608	25.2076	28.9239	14.2206	37.5376	21.7716	10.6385
CCT8L2	0.056364	0.027157	0.027977	0.0116169	0.0175105	0.00959864	0.0128709	0.0100183	0	0.0141485	0	0	0	0	0.0647566
CCZ1	7.78979	7.54332	8.09215	12.5593	3.5669	10.6604	7.90617	6.71372	8.53128	11.8737	16.6482	7.92656	16.9173	11.2618	9.42811
CCZ1B	4.4503	5.12039	5.01643	5.87781	2.25214	8.82545	0.881568	4.23009	2.59305	3.7083	5.87249	1.31591	3.80971	2.3171	1.76663
CCZ1P-OR7E38P	2.15801	2.94331	2.94042	3.39381	3.25488	2.65919	3.15204	2.66369	3.42095	4.66597	8.48469	3.34437	4.19802	3.80388	1.21927
CD101	0.484924	0.671014	0.64256	0.456214	0.510986	0.437261	0.552942	0.577434	0.50613	0.696382	0.443574	0.525538	0.39083	0.816704	0.564743
CD109	9.6584	8.45457	8.71823	13.0618	3.20099	10.1775	9.07925	8.21526	2.75604	14.9124	19.7812	8.6476	12.813	11.6125	14.18
CD14	6.89421	2.4203	3.77398	22.6211	13.4162	59.2577	13.607	5.81951	1.48263	18.0456	49.4585	1.58626	19.0409	7.03905	19.0291
CD151	21.4247	13.1733	15.0297	36.8753	37.2022	48.2788	22.1593	10.1046	17.0314	45.1359	81.0751	20.6217	54.3753	32.4061	30.3826
CD160	0.864499	0.53261	0.574484	0.277491	0.154099	0.168943	0.307444	0.52899	0.0863002	0.177874	0.207981	0.172389	0.0914377	0.362941	0.875176
CD163	13.1401	1.46636	1.8186	29.6957	8.28799	38.6686	5.80822	9.793	0.161445	10.9048	21.6242	0.379405	7.93979	3.40349	12.6203

CD163L1	0.777247	0.460911	0.577046	0.877992	2.5385	2.41395	0.915879	0.65533	0.175971	1.68215	3.04283	0.388586	1.19583	1.45303	2.93367
CD164	17.661	13.947	16.0352	19.697	6.45907	24.6363	14.375	24.9597	22.4171	18.9077	32.8656	12.7703	22.3831	13.5029	17.6655
CD164L2	2.49017	3.6219	2.52356	1.92465	6.18896	3.6046	2.20348	1.93643	12.2068	6.64152	4.11122	4.17606	1.77735	1.76512	0.447025
CD177	0.312462	0.0250915	0.0861637	2.96241	0.533898	0.195109	0.142704	0.175871	0.0126848	0.470607	1.04644	0.670726	1.70015	0.24496	3.3356
CD180	0.161959	0.065713	0.0352589	0.333806	0.0794456	0.486299	0.175187	0.174238	0	0.299563	0.692834	0.0609925	0.395981	0.200479	0.28156
CD19	0.0590987	0.0455594	0.0488906	0.0243612	0.0367203	0.0201287	0.0134954	0.0105044	0	0.02967	0.026686	0	0.0533823	0.0185325	0
CD1A	0.796937	3.44556	5.24789	3.67927	1.07286	0.0814298	1.22535	3.50348	1.04823	0.333413	0.707719	0.593039	0.46619	0.238801	0.0915602
CD1B	0.116047	0.23164	0.370294	0.11959	0.0257515	0	0.0378567	0.220999	0	0.124843	0.205861	0	0.0106961	0.0346578	0
CD1C	0.285717	0.533443	0.856823	0.37725	0.235778	0.0380131	0.519916	0.650673	0.23923	0.179302	0.443491	0.0574982	0.172822	0.177327	0.564197
CD1D	0.0611764	0.00294757	0.0202438	0.145001	0.0380113	0.411518	0	0.038058	0	0.0691045	0.179558	0.00875468	0.18946	0.0351708	0.0351428
CD1E	0.349824	0.932295	1.47413	0.968854	0.220755	0.0465423	0.187227	0.990976	0.412732	0.0548831	0.28384	0.117332	0.126959	0.0342813	0
CD2	1.18321	0.760119	0.780738	1.01611	0.831447	1.27135	0.28949	0.801174	0.257325	0.424301	0.874564	0.483783	1.62677	1.06747	2.62978
CD200	1.53519	0.716565	0.690574	1.76993	0.387512	1.42975	0.514895	0.73334	0.186969	1.19222	2.85952	0.219695	2.5072	1.77522	4.28546
CD200R1	0.511715	0.362851	0.583073	0.288543	0.194968	0.279518	0.308666	0.549156	0.129346	0.387777	0.675757	0.0898094	0.348844	0.100923	0.388243
CD200R1L	0	0	0	0	0	0	3.49E-40	0	0	2.14E-35	0	0	0	0	0
CD207	2.10167	13.2831	19.9126	6.22994	2.1508	0.231588	5.63204	14.1732	3.23713	0.434462	0.949008	2.53877	0.239291	0.284298	0
CD209	1.2131	0.481197	0.648856	4.63415	2.38795	13.6999	2.1612	1.34763	0.0382092	3.16327	7.67953	0.179588	1.95334	1.22978	2.8986
CD22	0.168569	0.027073	0.110399	0.065143	0.196384	0.0239223	0.0801942	0.0749048	0.0342162	0.114601	0.198222	0.0452307	0.308152	0.0807595	0.0706083
CD226	0.500468	0.155014	0.236584	0.139988	0.122163	0.353089	0.13061	0.29228	0.00870733	0.42175	0.460043	0.0562725	0.189127	0.149466	0.472311
CD24	15.1473	15.3485	13.8899	112.103	12.3919	40.8646	16.1755	25.1728	166.374	179.859	172.614	120.746	242.077	123.724	32.0245
CD244	0.146649	0.145732	0.0682416	0.113345	0.370169	0.156087	0.104649	0.0570191	0.167439	0.149548	0.351791	0.196746	0.266111	0.172452	0.131629
CD247	0.550697	0.305135	0.37585	0.510759	0.235241	0.574416	0.251507	0.269178	0.0335344	0.241914	0.559502	0.157615	0.479664	0.345382	0.276805
CD248	14.91	10.4968	15.074	35.0471	27.3343	51.2063	35.3491	10.911	2.17067	14.7165	39.3518	3.94242	7.68187	8.6201	30.4168
CD27	0.502263	0.268239	0.337079	0.291981	0.691542	0.395849	0.294188	0.285439	0.0275023	0.160456	0.497842	0.132182	0.627264	0.14614	0.44979
CD27-AS1	0.825794	1.09547	1.29386	0.654146	2.19904	1.17106	0.551103	0.580147	0.163486	0.389606	0.66139	0.360494	0.21822	0.37889	1.11261
CD274	0.51118	0.272683	0.201373	1.35459	0.226868	0.787618	0.201498	0.367762	0.0963485	0.481187	0.577058	0.274322	3.45514	0.830121	1.87025

CD276	5.62693	4.59768	5.50769	19.7677	16.9978	25.336	9.99966	5.9744	2.80277	15.4348	26.9972	5.13484	29.2273	21.2947	20.063
CD28	0.464188	0.214524	0.415356	0.410022	0.264873	0.286354	0.178467	0.357807	0.0461492	0.4102	0.823445	0.125399	0.351444	0.235178	0.687038
CD2AP	5.5622	5.87322	5.93941	6.40222	3.50253	6.83826	3.6932	6.26649	13.392	9.56416	7.71355	7.3016	13.1374	6.81368	4.15378
CD2BP2	5.42414	5.38887	5.40045	9.2574	13.53	11.3495	4.88931	3.6478	8.35219	8.20924	11.7451	5.23383	11.5757	7.10206	5.61228
CD300A	0.498615	0.36329	0.472854	1.27483	0.642287	1.97427	0.430449	0.497168	0.118489	1.16971	3.03725	0.113123	1.82121	0.650686	1.60002
CD300C	0.116663	0.0843151	0.12064	0.515151	0.317132	0.575486	0.183153	0.168481	0.0355206	0.592406	1.6259	0.0521723	0.638798	0.302025	0.845845
CD300E	0.0787849	0.0854094	0.146647	2.92284	0.316149	4.70149	0.0824578	0.0758522	0.0319837	2.51328	2.60144	0.084559	4.68074	1.77402	4.66723
CD300H	0	0	0	0.119043	0	0.422736	0	0	0	0.191719	0.517339	0.00022939	1.62623	0.439113	0.00092083
CD300LB	0.0706196	0.0145824	0.0333837	0.041586	0.17238	0.163215	0.138225	0.0627608	0	0.519147	0.740264	0.0216558	0.292908	0.126545	0.521582
CD300LD	0	0	0	0.109822	0	0.0151236	0	0	0	0.0222923	0	0	0.0343786	0.0556972	0.0255076
CD300LF	0.146048	0.0216518	0	0.185239	0.0523531	0.248717	0.102617	0.0399371	0.0136823	0.535817	1.39506	0.0321543	0.4639	0.240737	0.354951
CD300LG	0.485427	0.224404	0.396152	0.0608408	0.692898	0.430091	0.307081	0.227363	0.159782	0.0164665	0.0962679	0.0281624	0.0253942	0.00345776	0.414512
CD302	2.83558	1.1455	1.37543	1.76577	0.0831971	3.22383	0.861299	4.65816	0.299306	3.09744	4.82751	1.02179	1.56646	2.08089	4.37204
CD320	3.82943	1.35484	1.88242	4.00353	5.08634	7.40352	2.19672	1.31528	0.675914	2.6934	5.91011	1.27075	4.64307	2.16579	3.21471
CD33	0.747477	0.519442	0.701608	0.918431	0.692189	2.01956	1.03398	0.919794	0.245092	0.685579	1.81743	0.154281	0.788324	0.360613	1.58956
CD34	26.6258	14.6299	19.2133	9.05278	17.0348	20.477	31.3776	13.7335	3.13842	6.7063	15.2423	4.42411	7.08609	7.76682	23.4348
CD36	13.0834	15.8745	2.28956	3.31355	17.9315	3.36967	6.61207	9.84228	121.682	10.7154	18.6206	29.5942	1.93973	3.15817	2.4497
CD37	2.8859	1.60577	2.11017	4.20198	2.40047	5.00973	2.52973	2.8295	0.612238	2.43031	5.84308	0.746042	3.21941	1.81969	4.70603
CD38	0.121934	0.0254582	0.0235369	0.515191	0.0568216	0.751002	0.0556881	0.0758553	0.0148502	0.0663171	0.146825	0.0145412	0.30944	0.0254912	0.256832
CD3D	1.03066	0.662118	1.21436	1.31961	0.921773	1.38288	0.320939	0.666158	0.114112	0.352796	1.44555	0.223475	1.71282	1.07734	2.0184
CD3E	1.30017	1.04653	1.08825	2.0492	2.6849	2.05786	0.94309	1.50893	0.633385	0.441559	1.22599	0.459681	1.93432	1.07925	2.10885
CD3EAP	0.609341	1.15559	0.977413	2.23417	1.54621	2.26117	1.01812	0.891765	1.32456	0.857781	0.814983	1.37034	3.19377	1.77704	0.635992
CD3G	0.688466	0.331713	0.496529	0.6731	0.191948	0.646345	0.201556	0.454966	0.193494	0.0886252	0.538056	0.0631559	0.603649	0.350596	0.430982
CD4	4.01354	1.98542	2.98215	6.55968	5.7764	14.2115	4.92679	3.88845	1.36277	3.42272	7.73778	1.21296	6.33757	3.1412	6.79352
CD40	1.9747	2.04227	2.22671	2.64419	2.03191	4.7016	1.55097	1.56493	0.643368	2.32059	4.96955	0.719977	1.72852	1.34103	2.61917

CD40LG	0.151509	0.225082	0.219344	0.247213	0.137285	0.215014	0.0720785	0.258077	0.0307536	0.0158466	0.0570117	0.0361363	0.325844	0.125377	0.362644
CD44	64.5009	76.8619	82.345	127.905	42.6195	99.7529	73.0823	82.3218	67.6147	86.7482	83.5395	86.2057	145.669	67.4782	55.3958
CD46	16.3357	13.29	14.8741	17.847	4.78898	16.0123	11.596	13.2329	7.05264	14.8359	18.9648	9.36571	13.4926	12.6018	13.4395
CD47	9.93929	9.14237	9.61959	13.7492	2.60238	12.2823	6.96425	12.3307	5.82056	15.3279	15.6238	8.77528	20.2826	11.1343	8.73488
CD48	0.740674	0.444623	0.602693	2.74033	0.584692	1.79897	0.402044	0.863279	0.162666	0.899144	2.17942	0.338835	1.37097	0.336341	1.81353
CD5	0.876681	0.984539	1.24874	0.366812	1.61777	0.695968	1.2117	1.10131	0.144501	0.364017	0.379495	0.29242	0.693214	0.392735	1.0697
CD52	4.62861	3.0692	4.77691	1.70017	1.5661	3.00468	1.83137	3.82843	1.00464	4.19886	12.3127	1.01652	4.28734	2.05984	2.23769
CD53	2.7294	1.65068	2.44611	9.99107	2.09777	5.65276	1.93148	2.62781	0.3982	9.68827	17.797	0.661158	10.3092	3.26908	7.63536
CD55	6.50542	13.2038	18.8531	7.2203	2.42773	8.57056	11.1568	10.4115	14.9427	15.4919	12.8254	12.5355	27.7344	11.5337	12.1148
CD58	2.86763	3.28877	3.20763	4.67557	0.480995	1.79979	2.35187	3.0989	4.13193	4.02161	5.12178	3.64134	4.45609	4.51737	3.36424
CD59	25.6886	14.2967	14.8782	44.5912	17.0447	43.6229	17.6696	15.9735	20.445	45.8832	43.6847	18.3079	90.4814	30.2723	35.4298
CD5L	0.0165841	0.0319618	0.0754573	0	0.0128804	0.0211817	0.0284027	0.0589541	0	0	0.00936067	0.0177995	0	0	0
CD6	0.541646	0.450772	0.477184	0.565431	1.66087	0.664853	0.385517	0.418854	0.0685365	0.185406	0.301755	0.196298	0.694396	0.400734	0.808178
CD63	39.6014	21.0568	27.6125	45.0592	35.2166	126.421	36.6602	25.3099	10.8501	60.238	137.61	14.0757	54.9437	34.0318	64.1017
CD68	10.9404	2.69352	3.17375	23.7906	7.52167	37.5593	10.1689	8.24036	5.81715	35.3066	63.9146	11.3509	48.4097	11.5663	19.4587
CD69	0.745659	0.419148	0.765366	0.896494	0.107247	0.670192	0.441451	1.11674	0.201806	1.87176	2.30704	0.28653	2.34311	0.476317	2.73664
CD7	0.468994	0.121675	0.149225	1.28264	1.1488	2.1503	0.391314	0.320618	0.0219685	0.407517	0.97742	0.24523	1.95521	0.791916	1.86517
CD70	0.0505675	0.105578	0.125499	0.0607965	0.0130915	0.0717626	0.327172	0.0749003	0.153964	0.0105779	0	0.0241216	0.0598141	0.0528576	0.0242071
CD72	0.373757	0.259318	0.383406	0.801149	0.464459	2.22775	0.238977	0.279018	0.0364155	0.22517	0.641327	0.032092	0.183271	0.14846	0.493822
CD74	177.295	100.454	133.154	171.56	146.469	375.035	135.904	175.504	31.909	112.256	344.262	29.7434	172.026	79.682	212.88
CD79A	0.257554	0.106366	0.0760952	0	0.285764	0.281962	0.210048	0.490484	0.0448102	0.230898	0.477654	0.0263267	0.534126	0.0480746	0.21136
CD79B	0.671076	0.209731	0.195057	0.766327	1.35232	1.74512	0.331335	0.338495	0.132534	0.478045	1.26943	0.207642	0.386167	0.189586	0.546993
CD80	0.277011	0.145602	0.0972209	0.596888	0.0912746	0.278757	0.0958433	0.246185	0.0715631	0.294999	0.985515	0.132139	0.238302	0.653696	0.409879
CD81	74.9046	51.2809	61.2735	93.7626	104.12	165.52	97.8808	46.5275	55.3472	73.3105	140.282	45.8298	94.1846	60.6616	96.2419
CD81-AS1	0.216843	0.313435	0.489239	0.0609444	0.398074	0.21821	0.202569	0.0875963	0	0.0494837	0.0667605	0.112841	0.0254374	0.195755	0.169862
CD82	23.0844	20.1816	19.2303	42.9609	28.882	47.8418	18.4932	13.0328	19.2407	30.3162	18.2139	23.3853	67.5234	18.3175	15.0337

CD83	0.780309	1.20751	1.91379	1.23931	0.442056	1.00054	0.712746	1.57459	0.31305	1.30198	1.54412	0.538626	1.95457	0.815646	1.50295
CD84	1.47597	0.75559	0.978206	1.47494	0.577514	1.08777	1.05326	1.23222	0.0885163	1.66303	3.66054	0.202018	0.798983	0.565404	1.81056
CD86	0.538579	0.328185	0.491416	1.68139	0.221453	1.87483	0.217035	0.570149	0.154336	1.80922	3.73735	0.170015	1.94184	0.761665	1.54693
CD8A	0.327645	0.3218	0.510826	0.467512	0.518733	0.804765	0.223018	0.257585	0.130454	0.0948987	0.277403	0.0991855	0.398398	0.0757414	1.04062
CD8B	0.396243	0.423594	0.419994	0.395579	0.538564	0.305765	0.438279	0.308129	0.0301612	0.0155414	0.0838704	0.0443004	0.183751	0.0906035	0.746884
CD8B2	0.0666809	0.0137691	0.051223	0.0343583	0.0147969	0.00811114	0.0598197	0.0550276	0.00580071	0	0	0.003408	0.0276571	0.00497863	0.00684016
CD9	69.6067	58.62	58.0395	128.366	37.4902	128.337	69.6292	38.9444	65.4463	105.517	124.275	83.6214	133.709	64.3667	45.6608
CD93	11.2072	4.03195	4.63139	16.6424	10.2574	27.646	6.61684	5.30074	3.23876	16.2985	24.5193	3.54863	26.4208	16.3067	34.3027
CD96	0.675723	0.449376	0.597878	0.391376	0.363096	0.301361	0.386646	0.510368	0.0516755	0.171093	0.23118	0.234899	0.213481	0.316934	0.786547
CD99	9.3329	7.44822	9.15447	10.6429	13.9338	22.1959	10.7013	7.64997	4.13471	10.4583	25.0885	5.10642	12.496	8.0298	18.7161
CD99L2	4.17133	2.12593	2.64816	3.04409	5.81711	9.24538	4.37462	2.47142	0.955829	3.50579	6.19485	1.08775	3.32927	3.22011	6.46977
CD99P1	0.722348	0.860848	0.837185	0.647305	0.563738	0.751752	0.745067	0.778418	0.327246	0.792746	0.382115	0.724102	0.704712	0.753237	0.441013
CDA	1.73754	1.62784	0.918348	11.2658	2.88643	10.5003	2.6176	1.67286	41.7641	91.6537	86.7403	45.4479	106.453	38.0146	14.1402
CDADC1	0.775745	0.616385	0.658639	0.897604	0.391096	0.851744	0.44286	0.411231	0.464097	0.563686	0.691357	0.331092	0.671732	0.508576	0.664531
CDAN1	1.50576	1.75748	1.74312	1.84877	3.62039	2.19191	1.81002	1.28962	0.883638	1.24121	0.920035	1.02763	1.12862	1.48565	1.54156
CDC123	9.85375	8.11306	9.27595	17.7441	5.52707	16.0361	5.75545	7.79023	8.9978	11.2773	18.796	8.11928	16.1446	10.9107	8.75997
CDC14A	1.41667	1.1945	1.2528	0.528592	0.727204	0.734859	1.05975	1.33861	0.91721	0.541596	0.749072	0.527223	0.375593	0.495737	1.02311
CDC14B	2.31661	1.51785	1.29391	2.61045	1.33921	3.59197	1.38894	1.47555	3.26665	2.85437	2.49921	2.47512	3.33523	2.24552	4.45325
CDC14C	0.0324024	0.0157306	0.0473459	0.0331895	0	0	0.0650825	0.0215407	0	0	0	0.00581718	0	0.0127383	0
CDC16	7.92448	8.70643	9.49257	11.615	3.25441	12.3472	5.98029	6.68924	6.15452	9.58082	11.5299	6.34339	11.177	8.00957	6.74199
CDC20	1.23043	1.21898	0.972146	8.29179	1.35293	7.80471	2.33617	0.847769	2.03731	5.41376	9.33281	3.75902	14.2985	12.7748	2.52151
CDC20B	0.00775571	0	0	0.00799249	0	0	0	0.00689263	0	0	0	0	0	0	0.0334146
CDC23	3.64567	3.58377	3.25262	6.41028	2.57512	5.49645	3.1491	3.49421	2.9749	3.86678	5.16716	2.61382	4.7564	3.03252	2.42294
CDC25A	0.231056	0.108317	0.123986	1.02323	0.310408	0.983705	0.306592	0.0998967	0.235768	0.564322	0.662657	0.299375	2.6471	1.19455	0.322857
CDC25B	4.14234	4.20094	2.86592	21.3766	9.79985	35.4151	4.784	3.2106	3.03855	9.38094	11.7383	8.35748	21.4085	12.2671	15.6483
CDC25C	0.0450254	0.0911145	0.0446978	0.696	0.027976	0.981562	0.154226	0.0480178	0.0548359	0.39558	0.853912	0.206188	0.331172	0.423582	0.258649

CDC26	5.55965	4.84478	4.92943	7.56608	4.83454	9.37734	3.55357	3.21517	7.74295	6.17664	14.1439	3.92098	7.20845	5.22751	4.2405
CDC27	5.16134	3.55262	3.86422	5.6253	0.863499	5.53869	2.97517	4.88201	2.65166	6.18247	7.8835	3.44447	7.79084	5.78651	6.27584
CDC34	7.84782	9.27551	10.7056	15.003	24.9032	14.6465	16.5859	5.18105	49.6808	16.6442	20.7378	12.2047	16.9675	10.4382	6.32526
CDC37	25.7053	22.8218	22.6745	49.2834	48.8358	57.5378	16.7937	14.4995	31.1712	40.2415	30.003	27.9162	57.1089	35.5049	23.6493
CDC37L1	2.17275	1.97635	2.12426	2.16444	1.25796	2.65176	1.39825	2.14161	2.73437	2.27252	3.92442	1.55937	2.21322	1.93736	1.37106
CDC37L1-DT	0.288387	0.173687	0.0596435	0.222893	0.111991	0.0613894	0.493906	0.128147	0.61464	0.0904888	0.162776	0.36111	0	0.150724	0
CDC40	3.8031	2.95846	2.98218	4.08638	1.40922	4.03124	2.25688	3.35318	3.08052	3.63463	5.52762	1.9904	3.62053	2.87631	2.54536
CDC42	31.6818	27.8718	27.9321	62.36	16.0432	42.2778	26.5663	29.0167	51.9121	56.7655	67.3675	33.5652	73.4581	34.8131	29.0858
CDC42BPA	4.30207	2.34461	2.78635	2.97157	2.22757	3.86385	2.72389	2.36098	0.705578	3.65234	4.12303	1.67233	4.08612	3.82119	7.11805
CDC42BPB	12.9616	13.7432	12.9513	19.8385	22.6929	21.8204	14.744	10.6475	16.3284	14.5473	8.92037	14.4046	24.8499	15.406	14.4631
CDC42BPG	5.59013	11.2839	9.67163	9.04923	23.823	8.80965	9.52312	5.12212	7.49867	4.35204	1.30655	7.74496	6.56648	4.25145	1.20456
CDC42EP1	11.5501	18.067	20.9698	38.4991	31.8587	44.4616	17.5753	13.5373	22.9839	16.3103	31.7205	16.3067	47.0537	22.5911	14.5121
CDC42EP2	2.13927	1.57091	2.43223	4.00833	2.36344	6.78946	3.44831	1.72837	1.18427	3.87675	4.81703	1.26877	6.65767	4.54406	6.85099
CDC42EP3	2.98215	1.64859	2.11647	4.41974	1.17027	6.56535	2.45513	2.42362	2.81953	3.20609	4.10176	1.34206	4.65575	3.00234	2.78379
CDC42EP4	12.1947	9.21971	8.66212	8.46772	12.4506	20.2779	10.1401	7.88613	14.3791	6.7161	5.93956	7.15566	8.96099	5.69869	6.07707
CDC42EP5	3.45457	1.38914	1.9339	6.5312	9.40084	9.77559	2.63943	1.45428	1.70822	5.15085	11.1716	1.41248	3.85444	3.33952	5.29693
CDC42P3	0.0126051	0.0425202	0.0208557	0.0259799	0.0195801	0.0214662	0.0287843	0.0784168	0	0	0	0.00901932	0	0.059292	0
CDC42SE1	15.1958	19.8305	18.0448	38.7313	27.557	29.5673	17.1595	14.7652	46.1159	35.8084	39.2593	27.9315	53.1942	33.411	19.432
CDC42SE2	5.75413	4.00461	4.57166	5.32308	1.27828	5.65411	3.56318	6.16578	2.41305	5.13247	6.78863	2.59533	7.98056	4.11235	4.74548
CDC45	0.535874	0.263571	0.147771	2.41602	0.346832	1.95825	0.344162	0.198433	0.435089	1.27509	1.27288	0.56716	2.71552	1.42953	0.75355
CDC5L	3.63769	3.06158	3.01233	4.90192	1.58172	5.41976	2.36222	2.63491	3.26028	3.94698	4.87418	2.39433	5.41834	3.49402	4.29406
CDC6	0.371441	0.284885	0.41389	2.46855	0.412126	2.14939	0.588546	0.350316	0.424677	1.38908	1.46331	0.884112	3.74639	1.71549	0.696733
CDC7	0.677688	0.688959	0.683971	1.8088	0.294751	2.23892	0.680911	0.6625	0.297125	0.935625	1.51475	0.664319	1.64403	1.63635	1.18736
CDC73	4.39169	3.62552	3.89423	3.86316	1.51932	4.44621	3.33247	4.6233	3.63058	4.12301	4.68933	2.60981	5.0133	3.40729	3.77749
CDCA2	0.308891	0.254725	0.226051	1.95889	0.332179	1.55787	0.373029	0.290354	0.28938	1.37928	1.46856	0.556799	2.16926	1.49022	0.963991
CDCA3	0.396006	0.269367	0.308333	1.65639	0.289475	1.83765	0.664922	0.300182	0.2837	1.06715	1.64353	0.53337	1.022	1.47984	0.451626

CDCA4	5.76454	6.14587	5.79906	8.60458	8.0017	6.96504	5.94622	4.40195	9.81268	5.64833	10.9167	5.29928	11.0057	5.58182	1.82915
CDCA5	0.404285	0.519441	0.401343	3.37931	0.683815	2.89164	0.68727	0.287436	0.306366	1.47715	3.0223	1.06068	4.36476	2.28201	1.43216
CDCA7	1.83662	2.26189	1.96906	7.06994	1.36888	5.54015	2.27566	1.5444	0.732225	1.77796	2.29645	2.17454	3.13514	3.47372	0.934403
CDCA7L	3.80003	3.66463	3.51181	6.03402	2.18441	5.55673	3.56543	3.88743	1.4744	1.96837	2.81006	1.81604	3.09527	2.10178	2.27785
CDCA8	0.57718	0.497879	0.462081	2.79173	0.520583	3.13108	0.935362	0.289568	0.634914	1.48389	2.5432	0.825976	3.15934	2.07755	0.828904
CDCP1	4.80439	8.34468	8.37676	16.5277	5.69612	9.88922	7.19314	6.20607	11.8103	17.6034	11.585	11.1322	43.1985	16.9747	6.54968
CDCP2	0.0578783	0.0119514	0.0342007	0.0170415	0.0513743	0.0211211	0.0566431	0.0220446	0.0100699	0.0207552	0.0186678	0.0354973	0.0106694	0.108035	0.0949949
CDH1	19.0588	39.7306	38.8663	64.695	34.4347	30.2453	32.2614	32.7201	96.1418	65.7863	38.3068	64.9272	99.2617	36.672	14.308
CDH10	0.00673155	0.00324336	0.0167064	0	0	0.00573182	0.0153717	0	0	0	0	0	0	0	0
CDH11	4.22114	1.52853	1.78169	3.47452	4.93828	10.2176	2.26577	2.46258	0.808306	7.34289	14.0035	0.959279	5.35704	5.31077	21.8944
CDH12	0.388731	0.254811	0.269234	0.130427	0.0421279	0.107767	0.27869	0.228975	0.02202	0.0794251	0.15308	0.100262	0.0349964	0.0944966	0.194744
CDH13	9.46891	7.44316	7.28963	11.564	4.99688	8.56316	8.22431	6.70551	4.6857	6.69336	9.75423	3.78904	10.6361	5.93198	9.64627
CDH15	0.0161896	0.0117006	0.0200898	0.0417097	0.150888	0.0689262	0	0.014388	0.0788685	0.0914383	0.0548282	0.0695046	0	0.11846	0.0348755
CDH16	0.00783448	0.0264234	0	0.0888102	0	0	0	0	0.0572491	1.02264	0.00884415	0.128933	0.085931	0.110555	0
CDH17	0.0304194	0.00586261	0.020132	0	0	0.015541	0.00694637	0.0108137	0	0.0305435	0.0412076	0.00870635	0.0117759	0.0286173	0
CDH18	0	0.0131273	0.00321991	0.0120331	0.00604594	0	0	0.0138363	0.0237013	0	0.00439381	0.00278508	0.0100449	0.0101712	0.0111794
CDH18-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDH19	0.56365	0.0750406	0.156453	0.0382144	0.0115203	0.451524	0.444563	0.26035	0.0316134	0.0279252	0.0544196	0.0371467	0.0167477	0	0.010651
CDH2	0.0623942	0.00501041	0.0172056	0.021433	0.0403832	0.097401	0	0.0323463	0.00633243	0.123993	0.217175	0.00372039	0.0603846	0.0244575	0.0672045
CDH20	0.137118	0.267134	0.438937	0.196596	0.0555628	0.0355338	0.0816816	0.254314	0.0871271	0.0299298	0.0201898	0.072517	0	0.0218107	0.0684932
CDH22	0.0830138	0.199986	0.240362	0.0305529	0.396058	0.0302936	0.494223	0.142282	0.151652	0.0223266	0.0468561	0.0127283	0.0114772	0.00619809	0.0170312
CDH23	0.482569	0.405068	0.46176	0.288643	1.18319	0.424548	0.589511	0.29091	0.0637033	0.279284	0.449522	0.351327	0.37558	0.520678	1.48299
CDH23-AS1	0	0	0	0	0	0	0	0.0483944	0	0	0	0	0	0	0
CDH24	1.08778	1.48446	0.829838	1.67142	4.61379	1.73044	1.07838	0.914631	1.05508	1.21812	1.03679	1.36093	0.865731	1.24598	3.03083
CDH26	0.421365	0.255982	0.0985127	1.48677	0.633183	0.717574	0.146422	0.264575	3.22967	1.61532	1.24088	2.11048	1.22043	0.787539	0.29599
CDH3	6.95084	9.2193	8.85967	141.717	30.5369	61.568	6.03738	8.39703	49.1824	66.3851	50.1247	51.3931	131.431	45.0171	18.4683

CDH4	0.0611531	0.0556552	0.0590219	0.0175056	0.248034	0.0954636	0.143524	0.0603864	0.0124129	0.0298486	0.00767047	0.0413258	0.0569915	0.0106538	0.0585491
CDH5	8.9377	3.67383	4.24225	8.8594	8.35603	17.2897	5.68278	3.47013	3.00021	8.73581	16.2631	2.9098	12.0016	9.82418	23.377
CDH6	0.675169	0.209449	0.231453	0.200156	0.36276	0.458737	0.541204	0.297962	0.225282	0.478843	0.600349	0.281258	0.499765	0.656198	1.5441
CDH7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDH8	0.0514082	0.0765596	0.0657259	0.0096323	0.123412	0.111423	0.0800404	0.0332272	0.0512259	0.0234628	0.0158273	0.0735679	0.0482448	0.0830471	0.308738
CDH9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CDHR1	12.382	49.7308	64.2744	9.10932	12.7341	4.54772	49.404	28.6784	9.72241	5.90616	2.17268	8.36666	4.22693	6.15931	1.37066
CDHR2	0.0740408	0.114666	0.140004	0.0708511	0.164301	0.0765544	0.108691	0.0611012	0.0837325	0.0862911	0.0238808	0.185424	0.0750684	0.0856862	0.0455709
CDHR3	0.0856001	0.118369	0.138437	0.0293533	0.0442451	0.0666972	0.134153	0.0791062	0.0086725	0.017875	0.0321546	0.0152857	0.0183776	0.026052	0.0613594
CDHR4	0.0837168	0.103081	0.123123	0.0383434	0.0577961	0.0158408	0.244273	0.0744005	0.0226573	0.0466992	0.0210013	0.186361	0.0360091	0.0534772	0.0667933
CDHR5	0.457687	0.798989	0.724337	0.20507	1.34977	0.197681	1.12845	0.990359	0.00807843	0.116554	0.029952	0.270533	0.0342374	0.176805	0.438198
CDIP1	3.7837	3.87784	4.25752	6.2453	7.272	9.37861	4.08212	3.16315	2.31382	3.33029	4.22606	2.36892	4.99625	3.90476	3.18894
CDIPT	11.8022	11.0043	11.7225	15.4159	28.1975	26.5915	12.4495	8.158	17.2573	13.3957	24.577	11.251	15.7543	11.1501	11.5089
CDIPTOSP	0.0285717	0	0	0.117776	0.0887633	0.0243284	0	0	0.139188	0	0	0	0.0368686	0.0149328	0
CDK1	0.557832	0.477071	0.398025	3.37013	0.0866506	2.07807	0.573223	0.470967	0.526517	2.94058	5.17948	0.858159	2.35741	2.56926	0.91127
CDK10	3.01194	5.28384	4.20607	7.74649	13.7559	8.74606	3.70348	2.57381	3.33901	3.79646	4.15569	5.54436	4.85824	6.49851	5.58252
CDK11A	1.44013	1.87633	1.39927	1.9924	3.64603	2.07762	1.34393	1.2204	1.56025	1.08516	0.626241	1.65718	1.37481	1.39876	3.62387
CDK11B	5.61942	5.9135	6.05817	7.30195	9.5297	11.3501	4.11225	3.85629	6.96444	3.87732	2.95609	5.10297	6.76951	6.40373	5.74513
CDK12	7.11643	7.04609	7.08912	7.84335	5.45117	9.0453	6.63231	6.56535	6.16935	5.15854	3.80705	5.9276	9.31273	6.41952	6.07914
CDK13	6.43029	6.42181	6.82103	7.85767	6.25176	6.88509	5.03097	5.19573	5.82297	5.68449	4.81689	5.45808	7.29994	6.41455	5.84197
CDK14	1.63288	0.742023	0.813293	0.63483	0.904463	1.30056	1.06467	1.18119	0.287766	2.33011	2.57683	0.649094	2.6134	1.60539	3.40543
CDK15	0.183637	0.20257	0.27585	0.144422	0.142626	0.0370336	0.176565	0.219033	0.047084	0.115241	0.130928	0.0484094	0.0436511	0.0782966	0.166563
CDK16	4.89824	4.93836	5.34521	10.4667	7.43711	12.4482	6.60099	3.69732	4.92526	7.45319	10.0293	4.91839	11.8802	8.32692	7.01779
CDK17	4.92032	3.94404	3.99323	4.7011	3.87486	5.18889	3.25744	4.37713	4.13245	5.6701	8.01562	3.95276	5.46205	6.7728	6.79816
CDK18	1.20875	1.31125	1.40346	2.18536	3.11837	6.55465	2.27598	1.00514	0.525144	1.59696	2.29018	1.41114	1.84253	2.13909	2.59881
CDK19	2.07096	2.38991	2.2002	2.81474	1.45514	2.70773	1.49577	2.07015	5.01812	3.62636	3.61416	2.92512	3.62414	2.34669	2.35046

CDK2	2.78601	4.04156	4.77598	8.24009	3.37462	9.36904	5.38585	2.88715	3.08682	5.8826	5.96087	3.31044	9.44843	5.83485	5.21441
CDK20	0.447255	0.751937	0.653405	0.558975	0.931248	1.19111	0.40201	0.456682	0.139074	0.238873	0.870138	0.251933	0.466618	0.377987	0.669647
CDK2AP1	6.53714	5.09952	5.47906	13.938	5.80254	15.1452	6.37314	6.24851	7.51703	15.5743	35.3599	7.27358	17.4871	8.99329	10.6678
CDK2AP2	2.40078	1.7973	1.87932	9.27114	6.59635	9.23204	3.21274	1.34211	4.77882	4.45505	7.72259	3.44489	7.71986	4.81666	3.81856
CDK3	0.116035	0.524821	0.0372988	0.495924	0.00028809 2	0.670399	0.122582	0.0737373	0.134883	0.17827	0.361986	0.359763	0.274683	0.489879	1.09858
CDK4	9.35473	8.61596	9.0352	24.2605	14.7369	27.7861	12.4459	7.22787	7.29427	13.9071	35.0258	8.10641	16.9407	12.8949	12.3521
CDK5	1.43553	1.61699	1.78136	3.35853	4.09815	5.31882	2.14847	1.0689	3.473	2.31304	7.77416	2.09596	2.19033	2.34205	1.9223
CDK5R1	1.44719	1.59419	1.15748	5.40236	4.02959	3.72236	1.04901	1.23278	9.85839	7.3484	7.34148	4.95839	8.22139	5.67431	1.69028
CDK5R2	0	0	0	0.00943417	0	0.0155902	0	0	0	0	0.0103345	0	0.0118131	0	0
CDK5RAP1	4.6612	3.91582	3.64035	3.48226	3.9831	5.25493	3.82093	3.34103	3.10968	2.41376	3.83912	2.63552	2.91626	2.86772	1.84126
CDK5RAP2	6.03416	4.67563	4.67731	6.25166	5.72313	6.89451	3.64962	3.89291	4.06772	2.78717	2.55141	3.35503	4.03443	3.71059	4.85846
CDK5RAP3	8.60537	10.6283	10.1717	9.44189	23.2739	10.9435	7.66357	6.47312	5.97712	5.97338	4.90327	8.09648	4.85269	6.78698	7.93322
CDK6	4.27147	3.4241	3.98975	4.62236	2.11213	4.5527	3.25735	5.0604	1.26411	3.66195	3.79868	2.24771	6.53605	5.39013	4.09713
CDK7	5.59818	5.13043	5.56225	11.107	2.80152	8.46473	3.26181	4.37255	16.6232	10.3584	13.4537	6.67953	11.5898	7.63135	3.00453
CDK8	2.21089	2.26407	2.18859	2.71087	3.50411	2.87168	1.52314	1.79167	2.53744	3.3769	3.80715	2.26299	4.00372	3.02782	2.28177
CDK9	6.83432	8.33143	8.74407	11.2784	14.9934	15.5288	7.707	6.16529	13.785	9.85856	10.2833	9.17068	16.0976	9.93774	8.25531
CDKAL1	4.28758	3.94756	4.27863	3.82789	2.09914	4.05446	3.86949	3.4206	2.29208	2.29107	3.27469	1.88325	2.56091	2.24088	3.12956
CDKL1	1.80121	1.5048	1.83185	0.91107	0.654554	1.30857	1.52827	1.37313	0.654076	0.922947	1.08196	0.874974	0.948896	0.980255	1.19845
CDKL2	0.0233815	0.0270374	0.0154743	0.067467	0	0.0199091	0.00533926	0.0249355	0.00569522	0.046954	0.0422318	0.0267682	0.0211199	0.0122202	0.0940208
CDKL3	0.205467	0.206994	0.169977	0.134743	0.0290147	0.19881	0.0639806	0.232402	0.0113743	0.0703315	0.284662	0.0868737	0.114489	0.112267	0.107301
CDKL4	0.0461385	0.0844748	0.122141	0.0285282	0.0286676	0.0628581	0.0526794	0.0328032	0.0224766	0.0579085	0.0833353	0.0132053	0.0297683	0.0385824	0
CDKL5	1.15025	1.03769	1.25245	1.39761	0.612596	1.38612	1.24578	0.961886	1.75843	1.85067	1.89208	1.35605	2.32959	1.66381	1.77776
CDKN1A	14.7267	21.3165	15.0144	49.3539	49.8281	56.2812	15.3885	15.8848	135.279	115.242	128.116	87.7887	180.031	71.835	30.7154
CDKN1B	8.34141	7.73296	8.07727	7.46127	10.9615	10.8453	7.28179	7.61703	9.86832	7.07169	11.9647	4.99017	6.82054	4.13417	5.82493
CDKN1C	3.18967	1.53683	1.52768	1.00094	6.91042	7.51483	2.75193	1.56655	9.81385	4.80102	7.45867	4.06694	3.6904	2.29378	4.89073

CDS1	3.85038	4.9291	4.51005	5.22399	5.48189	3.72147	4.21573	4.06095	20.8815	11.7839	9.83309	9.36716	13.994	5.96516	1.95551
CDS2	5.26757	3.95052	4.39672	3.62745	3.11562	7.63468	4.53485	3.15033	1.44511	3.30879	4.86755	1.87033	4.0841	3.45884	4.5917
CDSN	11.218	20.6809	22.326	42.4095	33.6041	13.6401	51.1584	16.2131	277.589	83.8389	110.061	83.3663	151.05	22.6615	14.4275
CDT1	0.960328	1.07964	1.16663	4.34538	1.34389	5.34825	2.31148	1.00066	0.621664	1.14016	1.95332	1.22571	3.70085	1.84938	1.10581
CDV3	14.746	10.201	10.5258	29.2794	7.4682	24.0752	8.22529	9.84704	26.8445	21.7338	19.8889	14.9438	39.1277	25.8079	15.3093
CDX1	0.104483	0.0125854	0.129654	0	0.202873	0.200174	0.014912	0.0812491	0	0.131137	0.280128	0.0186901	0.109545	0.0341297	0.225077
CDX2	0.00661041	0	0	0	0	0.016886	0	0	0	0	0	0	0.004265	0	0
CDX4	0	0.234751	0.335887	0	0.168183	0	0.0309052	0.0721671	0.0329657	0	0	0	0	0	0
CDY1	4.84E-06	0.00301219	0.0101824	0	0	0	0	0	0	0	0	0	0	2.53E-06	0
CDY1B	4.84E-06	0.00301219	0.0101824	0	0	0	0	0	0	0	0	0	0	2.53E-06	0
CDY2A	0.00294533	0.00443188	0.00567056	0	0	0	0	0	0	0	0	0	0	0.00153936	0
CDY2B	0.00294533	0.00443188	0.00567056	0	0	0	0	0	0	0	0	0	0	0.00153936	0
CDYL	5.54467	5.65388	6.04914	5.78892	4.88156	7.1915	4.77992	5.33164	10.6276	7.2758	7.99481	5.74621	9.13847	6.21493	4.72271
CDYL2	0.99816	0.649941	0.445904	1.76925	1.34228	2.16365	0.517734	0.707131	0.972517	2.2085	1.88336	1.21416	3.73892	1.94066	2.39187
CEACAM1	1.18177	0.662776	0.964699	2.07875	0.577256	1.66399	0.851457	1.04787	0.249707	1.66342	0.636505	1.71922	3.81973	0.954386	0.764382
CEACAM16	0.0136779	0.0131805	0	0.0422865	0	0.151405	0.015617	0.0121558	0	0.0171672	0	0.0195738	0.00882493	0	0.0196432
CEACAM18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEACAM19	2.34725	3.92358	2.99787	7.2249	8.39557	5.14567	4.02002	2.43371	18.5436	11.0993	9.72741	9.73835	14.3007	4.56276	1.9516
CEACAM20	0	0.006164	0	0	0	0.0326799	0	0.0227392	0	0	0	0	0	0	0
CEACAM21	0.112466	0.0782715	0.0310133	0.180288	0.135877	0.138325	0.142678	0.111056	0.015219	0.125473	0.507841	0.0268242	0.282188	0.0718419	0.412762
CEACAM22P	0.130772	0.0674816	0.057683	0.0322118	0.145085	0.0326691	0.0389453	0.0409431	0	0.00972166	0.0547518	0.0275114	0	0.0721884	0.088364
CEACAM3	0.0138581	0.022096	0	0.892325	0.129159	0.0590001	0	0.0381979	0	0.454876	0.625763	0.00991585	0.286118	0.0362143	0.119412
CEACAM4	0.0782389	0.0150787	0.0129449	0.49989	0.145838	0.572926	0.0178661	0.0556257	0	0.157116	0.900884	0	0.272588	0.0817821	0.651693
CEACAM5	1.40011	1.17509	0.894906	1.48638	0.407356	1.69148	1.09746	0.74507	4.13601	1.93372	2.54595	1.11047	2.28842	1.20613	0.301293
CEACAM6	7.19828	2.08352	3.30502	4.93949	0.787813	3.48511	3.47443	5.219	0.628515	34.586	1.96871	5.22059	55.72	3.3436	1.18749
CEACAM7	0.530583	0.371844	0.391052	0.417542	0	0.156071	0.242321	0.32579	0.0822424	0.0242158	0.0217804	0.13115	0.14938	0.0756288	0

CEACAM8	0.0905209	0.0775766	0.0581932	0.144982	0.0936582	0.0171133	0.0462375	0.0625156	0.0244773	0.0630632	0	0.209653	0	0.0262605	0.0432953
CEBPA	13.9333	17.0079	18.4979	14.5763	28.9397	15.0622	16.5715	11.2024	56.157	19.5854	22.7792	23.508	9.46644	10.1417	3.72661
CEBPA-DT	0.206912	0.857361	0.761714	0.692992	1.60703	0.986622	0.401616	0.220663	0.50399	0.311634	0.350366	0.310906	0.240297	0.178433	0.193148
CEBPB	16.9285	19.2363	18.639	58.4762	64.4636	50.1534	15.329	11.0066	95.6865	45.3348	52.4752	24.0346	55.0558	23.9506	20.3293
CEBPB-AS1	0.343069	0.230417	0.281821	0.0285071	0.253729	0.159909	0.258794	0.255429	0.102257	0.0575317	0.0527233	0.0130753	0.0770318	0.0528092	0.208359
CEBPD	24.6785	11.0437	10.9578	60.9489	32.0985	76.6187	16.1163	12.9883	41.4786	27.6073	54.5693	16.6521	39.4361	23.8431	25.2129
CEBPE	0.0299199	0	0.0371278	0.0154167	0.046476	0.0382146	0	0	0	0.0751051	0.0844396	0	0	0.0156375	0
CEBPG	6.12153	7.3143	7.22175	8.58206	3.39003	7.51995	4.28537	6.94296	17.6051	10.1439	9.75322	8.01381	12.6415	7.50793	5.29544
CEBPZ	8.41692	5.17482	4.73028	8.72406	1.8477	8.39889	2.75597	5.19909	4.57476	6.96707	8.81848	4.14111	10.4437	7.5002	5.09484
CEBPZOS	2.43704	2.83835	2.74614	3.09563	0.962275	2.95589	2.02183	3.27212	1.89328	2.9047	5.06677	1.20861	3.32195	2.40728	1.94718
CECR2	0.0910201	0.0865556	0.101058	0.0740517	0.21952	0.181519	0.142211	0.155396	0.571765	0.0420883	0.0459672	0.116544	0.0339991	0.142713	0.120397
CECR3	0.0120915	0.0407809	0.0400116	0.0124606	0.0187822	0	0.124251	0.0429835	0	0.015176	0	0	0	0	0
CECR7	1.68198	1.93549	1.78832	0.482472	1.64303	1.40265	1.1549	1.69513	0.323811	0.311942	0.495891	0.363945	0.257316	0.55584	0.614258
CEL	0.523774	0.149483	0.149275	0.189917	0.301334	0.280806	0.376583	0.206883	0.0708775	0.0973911	0.0437982	0.180447	0.0563227	0.163778	0.0948932
CELA1	0	0	0	0	0	0	0	0.0216046	0	0	0.0274429	0.0347888	0	0	0
CELA2A	0.0251555	0	0	2.70E-17	0.0210926	0.0428391	0.0574434	7.38E-37	0.0306366	0	0	0	0.035044	0	0
CELA2B	0.0250737	0.0120809	0	0.0516784	0.0179241	1.62E-17	0.0572567	0.111417	0.030537	0	0	0	0.0297797	0	0.108027
CELA3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0133358	0
CELA3B	0	0	0	0	0.0347671	0	0	0	0	0	0	0	0	0	0
CELF1	6.65927	6.98065	7.41974	8.63362	6.60556	9.39104	7.48955	6.61212	4.24349	6.47992	4.95818	5.00764	9.69227	8.43917	7.27124
CELF2	3.1721	1.25225	1.62259	1.91312	1.00303	4.03261	2.46292	2.88366	0.368632	2.12489	2.50572	1.30379	3.84458	2.08501	4.43673
CELF2-AS1	1.3312	0.632724	0.758977	0.44492	0.433122	0.444208	1.55073	1.08713	0	0.327385	0.121845	0.534177	0.156688	0.88378	1.02047
CELF2-AS2	0.84434	0.426421	0.605926	0.272567	0.474055	0.381127	0.801431	0.515321	0.0495572	0.24259	0.0689027	0.567753	0.0918879	1.19627	0.71586
CELF3	0.0790405	0.0799741	0.0719266	0.0488721	0.042972	0.0269208	0.0496352	0.0491712	0	0.0148806	0.00446134	0.0141389	0	0.0309825	0.0397292
CELF4	0.0645499	0.0987918	0.106801	0.0313038	0.0353888	0.0387977	0.0997132	0.0742391	0.00462439	0.0381256	0.0257184	0.0135845	0.0367476	0.0575507	0.103608
CELF5	0.0220075	0.0402934	0.0364123	0.00453587	0.00683704	0.0374781	0.0351784	0.0391168	0	0.00552433	0.0149062	0	0.0113593	0.0184033	0.0505688

CELF6	0.692673	0.524003	0.40701	0.286862	1.00557	0.815802	0.546958	0.477514	0.0394205	0.11375	0.116926	0.120433	0.100241	0.233453	0.641485
CELP	1.62E-26	0.00015765 1	0.14377	1.08E-22	2.16E-17	3.53E-09	0.0535406	1.05E-06	5.96E-22	4.93E-28	0	2.01E-08	7.46E-16	0.0207861	0.107562
CELSR1	5.23457	10.3194	10.125	13.3519	17.7489	12.2589	9.73528	6.85888	4.14778	7.48043	3.18628	9.33751	15.0891	8.5834	4.78307
CELSR2	7.61701	17.0973	16.1902	18.0297	33.9198	14.8543	15.0196	10.0262	32.9724	17.6624	8.27394	25.1016	26.3587	11.6365	6.69142
CELSR3	0.224427	0.344905	0.396932	0.265173	0.546961	0.515631	0.459471	0.185697	0.212064	0.216116	0.117939	0.243644	0.200971	0.279082	0.394546
CEMIP	0.958062	1.01523	1.02956	31.8395	4.31134	105.191	1.45367	1.19089	4.82619	6.85529	10.3196	3.44811	38.2724	24.8284	21.5618
CEMIP2	2.4658	1.69577	1.89021	5.9012	2.2265	14.7632	1.72568	2.17564	2.07838	7.73928	8.99969	2.76202	8.90666	7.79904	14.6945
CEMP1	1.94977	4.4217	3.40546	2.56919	13.4606	5.2537	2.96799	2.14294	1.25943	1.89553	1.7103	2.89567	1.38043	2.60379	1.93675
CEND1	0.210903	0.697764	0.453631	0.159384	1.41962	0.706351	0.337123	0.337379	0.13699	0.229411	0.14285	0.46278	0.23586	0.426211	0.46442
CENPA	0.259124	0.39796	0.44213	1.80249	0.427667	2.15125	0.610211	0.259074	0.256412	1.91071	2.94347	0.857524	1.83905	1.79444	0.488428
CENPB	22.7519	16.7731	18.1546	29.8876	30.177	52.9009	16.3103	11.2543	18.0626	15.9042	18.2695	12.0289	29.0434	16.0351	15.2255
CENPBD1	1.02501	1.21361	0.973924	1.23512	1.23488	2.5604	1.04284	0.692761	1.25114	1.21544	1.40234	0.938285	1.53047	1.024	0.684725
CENPBD1P1	2.52822	2.32101	2.62802	3.71291	4.73319	4.80006	2.2556	1.80984	3.33233	2.69677	3.91767	2.5875	3.9106	3.07291	3.34254
CENPC	3.98207	3.31322	3.91396	1.93668	0.775735	1.96949	2.34831	3.67902	1.08837	1.80203	2.27726	1.09785	1.4351	1.53341	2.78856
CENPE	0.311618	0.267927	0.22668	0.824979	0.0667657	0.780005	0.073613	0.162345	0.346799	1.49366	1.31007	0.430566	1.95164	1.57248	0.72144
CENPF	0.824932	0.775435	0.680582	2.85843	0.247901	3.55803	0.490189	0.517387	0.678908	2.44315	2.86732	1.28185	2.44947	3.97899	1.44295
CENPH	1.7828	1.30854	0.978643	2.88462	0.750558	4.75271	1.76921	1.51037	0.466717	1.46385	3.32918	0.858374	2.0855	1.48038	1.00499
CENPI	0.234955	0.302823	0.194371	0.829288	0.0729932	0.490149	0.268264	0.219249	0.19315	0.523434	0.682979	0.340436	0.572259	0.724506	0.388039
CENPJ	0.866979	0.861023	0.812369	1.17607	0.329809	1.10356	0.484844	0.609324	0.290907	0.838319	0.968726	0.689978	0.973194	1.26227	1.41026
CENPK	0.393972	0.35795	0.195553	1.0788	0.06994	0.431309	0.282747	0.430159	0.0822538	0.819417	1.47401	0.402711	1.30726	0.853044	0.75978
CENPL	0.830393	0.46011	0.67322	1.00978	0.322472	1.13131	0.625756	0.487069	0.343851	1.01096	1.94044	0.463451	1.44121	1.0199	0.870561
CENPM	0.341746	0.388594	0.271408	1.35237	2.22957	0.931176	1.04572	0.303716	2.98005	0.651968	2.43819	0.635774	0.6262	0.507257	0.451527
CENPN	0.476849	0.410914	0.489461	1.45025	0.566704	1.71148	0.416907	0.391432	1.01249	1.4182	2.71137	0.857834	1.919	1.53343	0.724727
CENPO	1.67623	1.3801	1.31118	2.62395	1.59306	3.55115	1.78811	1.09632	0.87393	1.52595	1.85392	1.27613	2.57883	2.27338	2.06758
CENPP	1.11978	2.38317	2.18509	2.73808	2.74615	2.59651	1.58642	1.6279	1.68295	1.21911	2.92662	1.86841	0.603481	0.792643	0.826089

CENPQ	0.830364	0.600123	0.465344	1.07654	0.208039	0.741256	0.27525	0.571323	0.685067	1.49605	3.06916	0.431236	1.33073	0.692975	0.519318
CENPS	0.510158	0.305744	0.382269	0.998512	0.312055	1.49561	0.410454	0.408218	0.145294	0.715579	1.51191	0.397125	1.08259	0.633557	0.542631
CENPS-CORT	0.148047	0.0951898	0.00266227	0.0566044	0.014315	0.105887	0.0895435	0.00642828	0.0541155	0.125586	0.196295	0.00854345	0.0435466	0.0494296	0.00047275
															9
CENPT	6.53335	8.73509	8.82574	10.4552	26.4598	12.0169	11.257	6.46411	23.0052	17.0318	9.25816	16.9267	15.7405	11.6365	7.73861
CENPU	3.50179	1.53644	1.50745	2.75832	0.483693	3.54737	1.927	2.33478	1.76303	3.70108	5.52567	1.95238	2.41058	1.91026	1.01799
CENPV	0.795294	0.74721	0.93754	0.389297	0.617683	1.10042	0.499422	0.918828	0.121072	0.274498	0.583562	0.241848	0.487464	0.405264	0.428303
CENPVL1	0	0	0	0	0	0.00304293	0	0	0	0	0.00403422	0	0	0	0
CENPVL2	0	0	0	0	0	0.00304293	0	0	0	0	0.00403422	0	0	0	0
CENPVL3	0	0	0	0	0	0.0311639	0	0	0	0	0	0	0	0	0
CENPW	0.347319	0.167344	0.210707	0.847084	0.15286	0.788635	0.264372	0.113178	0.155099	0.726536	1.55525	0.314787	0.661061	0.925775	0.423975
CENPX	5.36543	4.1815	4.33639	8.35755	8.60323	13.369	6.57777	3.03241	8.70264	9.46506	15.4632	5.85597	10.0981	7.72773	4.65167
CEP104	2.35946	2.87486	2.76679	3.17601	3.56348	4.69002	2.20541	1.92364	2.23024	2.6717	2.62955	2.5597	3.73872	2.89533	2.79972
CEP112	1.82723	0.932947	1.06941	1.0736	0.55919	1.98778	0.491986	0.717419	0.239143	1.24594	2.27822	0.573708	0.756619	1.3826	2.3813
CEP120	2.88857	1.66634	1.91821	1.74151	0.702042	2.83188	1.39103	1.82494	0.496584	1.95454	2.64529	0.840099	1.85102	1.74592	2.30701
CEP126	1.05901	0.637759	0.89481	0.185168	0.111643	0.640036	0.519726	0.734558	0.0510609	0.199209	0.253548	0.164995	0.154573	0.299056	0.683822
CEP128	1.59482	1.36118	1.5606	0.85462	0.509616	0.958334	0.733566	1.10147	0.416208	0.606217	0.689276	0.404287	0.608559	0.745404	0.700194
CEP131	0.927994	1.20145	1.21683	1.2751	2.74571	3.18758	1.18209	0.746179	0.422861	0.768562	0.776785	1.24219	1.69438	1.25707	1.79509
CEP135	0.899895	0.804948	0.877992	1.10203	0.319687	0.883076	0.377815	0.717266	0.422662	0.911673	1.03409	0.649674	1.42418	1.15367	1.30975
CEP152	0.648679	0.662673	0.475497	0.863102	0.389019	0.964852	0.393758	0.357571	0.255006	0.973899	0.889856	0.575776	0.863538	0.892626	0.86083
CEP162	1.37936	1.18602	1.02002	0.959836	0.316915	1.30668	0.410185	0.638551	0.658997	0.990866	0.991352	0.533152	0.867059	0.785817	1.28028
CEP164	2.1571	2.73237	2.41293	3.64213	5.23115	4.50715	2.69944	1.77624	1.43971	2.2332	1.26569	3.1538	3.27097	3.40979	2.99868
CEP170	3.3515	2.72802	2.86101	2.51511	1.49497	4.07126	1.84828	2.82597	1.03537	4.48509	5.69996	1.47828	3.66488	3.36342	5.58254
CEP170B	9.0873	14.1392	16.4864	17.1743	28.5112	24.4343	16.8982	9.80058	15.9553	12.6212	4.92206	19.222	26.0459	14.0369	9.22907
CEP170P1	0.11445	0.02163	0.267871	0.0497453	4.07E-15	0.0472821	0.0840227	0.073084	4.88E-08	0.0569549	0.0506729	1.19E-11	0.187042	0.101526	0.195588
CEP19	0.17867	0.334216	0.286923	1.45134	0.0979541	1.29763	0.144	0.0560426	0.1152	0.369352	0.806786	0.157924	0.461109	0.390002	0.422624

CEP192	4.36399	3.72714	3.72302	3.95898	2.12287	3.19704	2.95514	3.58438	1.83405	3.35773	4.77245	2.38966	2.73887	3.28018	3.10028
CEP250	1.58399	2.43685	2.22076	2.21943	4.5325	3.43104	1.93548	1.55097	0.599046	0.854525	0.655649	1.57084	1.51684	1.71238	1.64825
CEP290	1.31298	1.24002	1.08154	0.908337	0.262106	1.51202	0.350959	0.862122	0.261903	1.05415	1.1475	0.586263	0.870584	0.986168	1.74756
CEP295	1.72385	1.3469	1.28346	1.56801	0.321773	1.29086	0.71283	1.07952	0.625234	1.17051	1.2801	0.976831	1.14066	1.54862	1.52051
CEP295NL	0.555348	0.457965	0.406413	0.34118	0.895826	0.827525	1.573	0.683372	0.0650338	0.067021	0.132617	0.168116	0.0826864	0.597243	1.70246
CEP350	6.9553	6.67831	7.47127	5.82415	2.86396	5.53572	4.2397	5.49346	6.44315	6.26011	5.07718	5.45296	7.16961	5.45002	4.87331
CEP41	0.185927	0.215705	0.18417	0.405897	0.167205	0.554101	0.117316	0.200023	0.131096	0.297838	0.502628	0.127784	0.255703	0.311979	0.372416
CEP44	1.80446	1.55816	1.62533	1.09262	0.416189	1.23374	1.24256	1.51569	1.09725	0.941984	1.50408	0.657848	0.841336	0.852725	0.818068
CEP55	0.330864	0.297855	0.259308	2.87127	0.135249	2.20933	0.258474	0.263092	0.392351	1.75943	3.08633	0.778757	3.32567	3.12626	0.812777
CEP57	4.80535	3.0692	3.5204	2.62446	1.16949	3.70707	1.89117	3.31642	1.89765	3.41003	5.01078	1.8363	2.80895	2.82971	2.91464
CEP57L1	0.717614	0.543333	0.645489	0.431388	0.269829	0.594065	0.390166	0.617509	0.211557	0.46821	0.665437	0.252661	0.330715	0.501563	0.53574
CEP63	1.58583	1.87517	1.59928	1.66663	0.832402	1.99325	0.972704	1.18919	1.03527	1.25455	1.56992	0.86037	1.3838	1.11719	1.17967
CEP68	6.91521	5.34998	6.05869	4.02084	4.67697	5.40969	4.59347	5.43121	1.63378	1.90977	2.77248	1.70039	1.7724	2.50835	3.48261
CEP70	1.18058	0.990168	1.08517	1.178	0.242572	1.13821	0.513502	0.915967	0.532522	0.893751	1.70645	0.505053	0.749612	0.976133	0.744566
CEP72	0.651917	1.21484	1.01517	1.2646	1.89128	1.39591	0.996099	0.656051	0.467036	0.866354	0.303031	0.439025	0.915453	0.93197	0.647104
CEP76	1.55214	1.84493	1.62322	1.10156	0.79609	1.67697	1.47125	1.49654	5.36785	1.22216	1.7935	1.78639	0.991989	0.761473	0.53624
CEP78	0.763399	0.653897	0.648157	1.02594	0.454219	1.10808	0.519916	0.599095	0.380593	0.680787	0.942418	0.420056	0.949079	0.723306	0.900792
CEP83	1.62677	1.34216	1.21524	1.32795	0.49585	1.39637	0.678085	1.00287	0.427644	1.03894	1.45699	1.17813	0.892437	1.68222	1.30041
CEP83-DT	0.0450956	0.0304188	0.0746125	0.0464723	0.0840588	0.115195	0.0205955	0.0240463	0	0.0226398	0.0814517	0.0258137	0.0349145	0.00471378	0
CEP85	1.73516	2.33265	2.16494	2.46235	1.95299	3.57012	1.96816	1.43083	0.942292	1.6994	1.11747	1.8318	2.26105	1.86132	1.38076
CEP85L	1.40723	0.569874	0.776107	0.450776	0.295031	1.00711	0.791866	0.849099	0.0876201	0.733216	1.09479	0.218267	0.43076	0.621172	1.30184
CEP89	1.59428	1.95377	1.86366	2.52693	2.05924	2.92159	1.63233	1.26286	1.20298	1.73999	1.82909	1.10975	2.5995	1.82498	1.9785
CEP95	5.57097	5.63775	5.72356	3.28459	1.88729	3.33781	2.58079	3.85693	1.82634	2.50945	3.10433	2.28412	2.61837	2.6791	2.72485
CEP97	0.779155	0.789115	0.846159	0.889749	0.450173	0.991317	0.652613	0.796718	0.571553	0.977922	1.38897	0.721101	0.873429	0.88834	1.0196
CEPT1	3.86936	3.72733	3.84815	5.07277	1.24366	3.51934	2.53514	4.00582	4.97511	4.1644	4.83631	3.56	4.29176	2.75676	2.86564
CER1	0	0.0370147	0.0317769	0	0.0298333	0	0	0.0170686	0	0	0	0.0137423	0	0	0

CERCAM	3.19783	2.58117	3.20456	3.31245	12.3798	9.08797	4.64868	2.96648	1.03387	11.4408	26.3392	1.9225	4.64759	9.09336	21.4119
CERK	4.91497	5.6092	5.52185	6.30981	7.40819	6.55685	5.43341	3.57215	11.2235	10.2399	11.279	6.10223	12.3653	9.16216	5.03966
CERKL	1.68E-29	3.04E-27	2.33E-28	4.12E-17	1.33E-28	0.0105996	0.0137887	0.00959587	1.62E-21	1.55E-17	6.56E-14	0	7.67E-22	0.00582456	1.43E-24
CERNA1	0.192765	0.145303	0.241407	0.0993258	0.295901	0.12826	0.183781	0.277378	0.106085	0.224385	0.389536	0.139676	0.0851746	0.0670683	0.141273
CERNA2	0.635593	0.564439	0.175269	5.11154	0.522686	2.38764	0.0569176	0.221514	1.108	4.08252	2.41982	2.23825	1.85743	2.19505	0.59063
CERNA3	0	0.0200192	0.0687453	0	0	0	0	0	0	0	0	0	0	0.0217156	0
CERS1	0.0400932	0.079059	0.0523809	0.0494477	0.287471	0.246677	0.0753593	0.0533269	0.0112682	0.00774171	0	0.0239357	0.00397969	0.0096713	0.0841539
CERS2	11.0621	7.3197	8.82773	18.2244	7.37639	23.9278	11.9344	7.69667	4.70866	16.0307	24.4004	7.08858	28.5178	16.2846	17.611
CERS3	10.4886	13.1326	11.9731	19.473	11.4236	11.8227	10.754	16.2945	45.8775	20.6624	19.5385	21.145	23.3207	12.0786	3.76377
CERS3-AS1	0.522024	0.628797	0.611794	0.31381	0.405442	0.370414	0.447022	0.81188	0.900669	0.327597	0.0491083	0.622537	0.140336	0.363777	0
CERS4	10.6285	12.5752	10.4478	12.8047	32.1484	15.6585	17.7809	6.41039	61.7725	16.8267	24.4712	15.0731	24.4039	8.21913	2.50737
CERS5	3.23569	3.46273	4.10263	3.16692	2.38258	3.44279	3.05701	2.81781	1.15515	2.44892	3.9525	1.20997	3.10527	2.52959	3.10569
CERS6	3.76389	3.74491	4.6494	3.60076	1.43251	3.91822	2.85789	4.22762	2.08654	3.67413	4.16517	1.8665	3.95324	2.73068	2.41026
CERS6-AS1	0.0680516	0.16851	0.219807	0.0531343	4.03E-18	0.031625	0.106497	0.315584	0.0833814	0.208503	0.19042	0.0321256	0.39109	0.244521	0.26918
CES1	3.80637	4.50759	6.81002	1.46678	4.62515	8.15758	9.45915	1.97249	0.308193	0.981705	2.10355	0.23045	2.11509	0.323808	1.49926
CES1P1	0.0214642	0.0527193	0.0621044	0.0664386	0.0822262	0.0534753	0.220504	0.00954994	0	0	0	0	0	0.0115039	0.0627244
CES1P2	0	0.00723731	0.0126013	0	0	0	0	0	0	0	0	0	0	0	0
CES2	8.56225	8.65667	8.79607	16.1099	12.4791	17.1415	7.73925	6.15126	10.3476	22.1907	6.81892	12.4422	24.7693	10.3976	6.75321
CES3	0.572861	0.237942	0.200374	0.105708	0.191396	0.241963	0.2202	0.37136	0.0860601	0.251971	0.030238	0.072831	0.0172822	0.19137	0.154778
CES4A	1.92859	5.82873	6.99102	1.45266	8.18116	2.03032	8.70391	3.33445	9.08777	1.31151	1.42503	2.60435	0.868758	0.773383	0.684871
CES5A	0.0279956	0.116902	0.2316	0.00961677	0.173947	0	0.0532742	0.124401	0.0340955	0.0351374	0	0.033386	0.0180626	0	0
CES5AP1	0.0262989	0	0.0217563	0	0	0	0	0.0467446	0.0320291	0	0	0	0	0	0
CETN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CETN2	6.49291	4.68741	4.00639	13.5368	5.82509	11.4222	3.13173	4.41823	6.15908	11.6994	17.4655	9.06171	11.9731	7.67173	5.66249
CETN3	1.42419	1.84025	1.82084	3.0354	0.729039	2.21865	0.776089	1.32323	1.7345	2.78282	4.38471	1.58647	1.96306	2.01311	0.906446
CETN4P	0.0367934	0.0531829	0	0	0	0.0939873	0.168038	0	0	0	0.0415352	0.0263267	0	0	0.10568

CETP	0.0539151	0.0844256	0.0223012	0.333366	0.125623	0.401695	0.107727	0.0239576	0.0656625	0.118421	0.319533	0.0578665	0.130447	0.246561	0.271001
CFAP100	0.0998502	0.197783	0.183562	0.0114332	0.189569	0.047234	0.101338	0.108458	0.0135118	0.0417741	0	0.00793839	0	0.0405892	0
CFAP126	1.33006	1.12504	1.73606	0.913777	0.964153	1.00669	1.55237	1.20831	1.07991	1.2242	0.300294	0.867099	0.934428	1.035	0.806501
CFAP157	0.21748	0.294277	0.317363	0.170716	0.611208	0.195298	0.357553	0.137882	0.357782	0.0962402	0.0574661	0.248805	0.158282	0.267288	0.204992
CFAP161	0.0782741	0.081713	0.0755462	0.0403319	0.0607934	0.0444329	0.119161	0.0695635	0	0	0.0589078	0.0373382	0.0925871	0.102274	0.074941
CFAP20	4.11011	3.8159	4.40715	5.39221	2.30821	7.47048	3.23081	2.93622	4.35107	4.74196	9.60078	2.98614	5.66062	3.73443	3.04212
CFAP206	0.031345	0.0704783	0.0259308	0.0861385	0.0162299	0.0533797	0.0238591	0.0371424	0.0890742	0.0262275	0.082564	0.0373803	0.101118	0.0273038	0
CFAP221	0.0438039	0.0281405	0.0362377	0.0376176	0.0113404	0.136761	0.00833564	0.0194646	0.0355655	0	0.016483	0.026119	0	0.0190782	0
CFAP298	1.78572	2.02198	2.06945	2.69598	1.68299	2.88618	1.29731	1.3917	1.55174	1.53212	2.40158	1.91052	2.84573	2.15597	1.38171
CFAP299	0.0489282	0	0	0	0	0	0	0.0217417	0	0.0921149	0	0	0	0	0
CFAP300	0.184	0.118244	0.160674	0.136946	0.0317572	0.261122	0.128385	0.0908464	0.0124495	0.243768	0.438504	0.0365713	0.0989296	0.18699	0.190845
CFAP36	4.85285	3.59596	3.66853	3.74213	3.69109	5.77074	2.1399	1.99282	3.54613	4.57861	8.2363	2.38274	3.46572	3.52458	4.3498
CFAP410	3.1299	2.74877	2.99343	1.97111	5.24768	5.30193	3.35617	1.8544	1.61349	1.47573	3.86042	1.28565	1.19668	1.85653	2.62799
CFAP43	0.10324	0.120212	0.0960837	0.017732	0.020046	0.0659309	0.0933189	0.0611676	0.0104779	0.0161972	0.0242803	0.0215458	0.00555085	0.0247307	0.0432443
CFAP44	1.22065	1.35324	1.32795	0.797121	0.705943	0.679804	0.688253	0.921529	0.220715	0.273781	0.348166	0.415076	0.175823	0.463689	1.12744
CFAP44-AS1	0.0674725	0.0162546	0.027909	0	0	0.028726	0	0	0	0	0.114252	0.0482783	0	0	0.096899
CFAP45	0.438364	0.335452	0.447974	0.106293	0.0600821	0.450109	0.529952	0.33229	0.329748	0.404553	0.116437	0.212183	0.266193	0.30997	0.0740643
CFAP46	0.0391402	0.0350227	0.0208154	0.0547405	0.0130282	0.0285663	0.0255366	0.00745384	0.00680977	0.00701786	0.00946809	0.0100021	0.0667403	0.0336069	0.0240901
CFAP47	0.00652162	0.00418962	0.0089919	0.00224024	0	0.00925512	0	0.0135237	0	0	0.0122702	0	0	0	0
CFAP52	0.0211063	0.030508	0.00873031	0	0	0.0359435	0.0120492	0.0281363	0	0	0.0238264	0.00755106	0	0.0110311	0
CFAP53	0.100078	0.216986	0.19663	0.103133	0.155456	0.191734	0.0428497	0.122294	0.0609419	0.109907	0.14122	0.0537064	0.0161425	0.130763	0
CFAP54	0.0567812	0.0227984	0.0293584	0.134096	0.0367503	0.058421	0.0162077	0.0378468	0.0432207	0.118777	0.125527	0.0812569	0.0595317	0.114996	0.285407
CFAP57	0.0541675	0.080471	0.0896223	0.0186071	0.0350587	0.0768715	0.0257694	0.0481395	0.0404362	0.0169964	0.0101914	0.045218	0.00582476	0.0259511	0.0583435
CFAP58	0.0768408	0.0605832	0.0404524	0.0791867	0.0651056	0.202235	0.0398792	0.0682897	0.0510455	0.0964431	0.189259	0.08997	0.184788	0.131434	0.110353
CFAP58-DT	0.27729	0.441916	0.476433	0.417643	0.364461	0.32692	0.389662	0.417039	1.11703	0.669284	1.44473	0.48839	0.509194	0.479364	0.214428
CFAP61	0.11886	0.0859029	0.20895	0.0153111	0	0.0674719	0.508915	0.162851	0.0241264	0	0.022363	0.00354365	0.00958599	0.00517679	0.0355621

CFAP65	0.00260884	0.00502792	0	0	0	0.0022214	0	0	0.00953183	0	0	0	0.00818097	0	
CFAP69	0.66428	0.411506	0.500474	0.757906	0.175047	1.08075	0.433402	0.442768	0.057787	0.334985	0.810149	0.203704	0.317616	0.812157	1.78021
CFAP70	0.746552	1.01158	0.920292	0.27133	0.288879	0.411308	0.533733	0.81833	0.176677	0.212169	0.0228687	0.316959	0.0796574	0.297312	0.319154
CFAP73	0.186591	0.401894	0.582171	0.133528	0.266385	0.0553228	0.269626	0.387726	0.168786	0.220513	0.0961242	0.294046	0.0502357	0.172281	5.63E-26
CFAP74	0.00427625	0.00412072	0.0141505	0	0.00664249	0.0254882	0	0	0	0	0.0144821	0	0.0110361	0.00893981	0
CFAP77	0.0626165	0.0543052	0.0310805	0	0.155624	0.0106634	0.0857922	0.0556483	0.015252	0.031436	0	0.0627253	0	0	0.0359701
CFAP97	3.98674	2.92111	3.32543	3.93083	0.529837	3.84439	2.32832	4.20482	3.05084	2.83104	4.40535	2.17819	3.94234	3.33536	3.49218
CFAP97D1	0	0.0230386	0.0197785	0	0.0371376	0.0610723	0.0272975	0.0212475	0	0	0	0	0	0	0
CFAP99	0.0107943	0.0260044	0.00892983	0.0111239	0.0670693	0.0183825	0.0369739	0	0	0.013548	0	0	0	0.00564159	0
CFB	0.293707	0.155288	0.172018	1.75042	0.302806	4.42079	0.210703	0.189414	0.0458998	0.158218	0.503206	0.0567233	1.64092	0.207162	1.93356
CFC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CFC1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CFD	50.4493	56.4464	88.1234	11.477	40.6586	29.0689	129.832	22.5078	1.32928	3.34864	9.90265	2.83463	1.79964	3.06351	11.5529
CFDP1	4.46938	6.31203	5.7781	8.46576	8.60081	5.33094	2.8304	4.0685	7.55877	5.79121	8.74259	5.95571	6.2459	6.74288	5.43112
CFH	19.9847	12.229	18.6685	9.08553	2.73624	26.6917	18.85	11.2998	0.992134	9.01682	14.3768	1.3399	8.60412	6.21777	26.552
CFHR1	2.31E-43	2.58E-39	8.53E-41	0.0428388	0	0.352794	2.97E-43	0.0538409	1.56E-43	0.132186	0.0492032	1.04E-41	9.90E-36	2.71E-40	0.149901
CFHR2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CFHR3	0	0	0	0.0436273	0	0.0720951	0	0	0	0	0	0	0	0	0.10133
CFHR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CFHR5	0	0	0	0	0	0	0	0	0	0	0.0092382	0	0	0	0
CFI	2.48962	0.909646	0.883905	1.79593	0.950695	3.78929	0.627733	1.03253	0.27794	3.18983	6.06592	0.794201	3.46692	2.45599	4.51395
CFL1	80.7153	68.1992	67.6416	288.358	164.502	285.369	101.092	65.7771	179.967	249.29	378.749	180.758	376.122	189.064	127.472
CFL1P1	0	0.063117	0.0632165	0.0337494	0.0169571	0.0929529	0	0.00970171	0.0531804	0	0.0246468	0	0	0	0
CFL2	1.89017	0.980522	1.26402	1.49993	0.184145	1.77208	1.71448	1.14134	1.10689	2.14091	3.90323	0.805825	2.1841	1.66598	2.61048
CFLAR	9.8786	8.86578	9.56432	8.41323	8.332	7.90779	7.41977	8.13181	7.09883	8.51682	4.52298	6.759	9.01505	7.98612	9.04504
CFLAR-AS1	1.39309	1.32321	1.40239	1.06142	0.448933	0.256667	1.53025	1.46944	0.24368	0.48829	0.0985767	0.886859	0.218248	1.17193	1.55179

CFP	0.664955	0.326668	0.291228	1.39739	0.526579	1.34334	0.937866	0.405559	0.0793962	0.834587	1.89871	0.121281	1.37961	0.381607	1.47925
CFTR	2.55929	0.571083	0.530867	0.08947	0.111407	0.392127	0.728373	0.573652	0.487307	0.0189508	0.0383511	0.0972339	0.0292255	0.0552399	0.0216841
CFTR-AS1	0.0964294	0	0	0	0	0	0	0.0856984	0	0	0	0	0	0	0
CGA	0	0.0132117	0.0453686	0.0282578	0	0	0	0.0974769	0.0667906	0	0	0	0	0	0
CGAS	0.693521	0.457908	0.478108	3.50729	1.37652	1.97935	0.293274	0.51362	0.782065	1.69252	3.50855	0.90976	2.56044	1.65123	1.0882
CGB1	4.16E-33	0.000146919	2.55E-17	3.24E-23	7.68E-19	1.12E-44	1.21E-22	2.17E-09	1.41E-28	6.67E-11	0.0178388	3.14E-15	1.22E-13	5.94E-08	0
CGB2	3.39E-33	0.0444074	2.08E-17	8.06E-16	2.10E-16	9.81E-45	0.04444	7.54E-05	1.15E-28	5.44E-11	0.014547	2.56E-15	9.94E-14	1.59E-05	0
CGB3	4.77E-38	1.69E-09	2.93E-22	3.72E-28	0.0611291	0	1.39E-27	0.0553665	1.62E-33	7.66E-16	2.05E-07	0.0380628	1.40E-18	0.00253772	0
CGB5	4.17E-37	1.48E-07	0.0797732	3.25E-27	3.39E-14	0	0.0266543	2.18E-13	1.42E-32	6.69E-15	1.79E-06	3.94E-15	0.0353226	0.0221864	0
CGB7	0.262989	0.410726	0.398866	0.433629	0.916593	0.582223	0.0900818	0.52641	0.128117	0.297071	1.79E-06	0.167244	0.178271	0.180019	0
CGB8	2.81E-37	9.95E-08	4.13E-09	2.19E-27	2.28E-14	0	0.0179358	1.46E-13	9.53E-33	4.50E-15	1.20E-06	2.12E-19	0.0237687	0.0149293	0
CGGBP1	5.35884	4.57281	5.05822	7.22837	2.01447	6.52224	4.10974	5.74129	4.89314	5.36313	8.17381	3.65041	7.1121	5.48135	6.39964
CGN	2.53616	2.81554	3.62193	1.6972	2.24814	1.86205	4.23219	2.70149	4.76852	0.79721	0.901413	1.66536	1.35823	0.535895	0.130313
CGNL1	7.2215	4.10991	5.48101	1.64436	4.02645	6.22953	5.09107	4.06088	0.495428	0.312673	0.590932	0.532503	1.01322	0.583435	1.2137
CGREF1	0.502084	0.379194	0.2018	0.617945	0.718985	0.884008	0.31731	0.421414	0.0556324	0.290955	0.537054	0.0245507	0.216862	0.191161	1.07872
CGRRF1	1.52188	0.800691	0.897222	1.24386	0.461932	1.56397	0.818884	1.0105	1.91739	2.15162	3.13981	0.876163	2.12182	1.18853	1.78366
CH17-340M24.3	0.50311	0.354286	0.096048	0.159529	0.601156	1.74652	0.574435	0.275152	0.188533	0.437161	1.39803	0.470754	0.249695	0.262947	0.444633
CH25H	0.470251	0.186114	0.2223	4.11916	1.33048	4.01842	0.287634	0.62688	1.08406	1.3069	4.00037	0.288409	1.48451	0.649544	1.76071
CHAC1	0.151559	0.116837	0.0250761	16.337	1.55379	0.554917	0.0865225	0.148162	10.0782	4.67947	12.9174	9.39125	4.23408	1.78226	0.631208
CHAC2	0.502733	0.317398	0.258142	0.464486	0.134641	0.398548	0.197932	0.585445	1.35122	0.957351	1.54601	0.793862	1.34218	0.833553	0.672196
CHAD	0.95576	1.40092	1.35544	0.126635	1.48463	0.360405	1.54335	1.04355	0.0665148	0.0514105	0.0154133	0.097696	0	0.0856323	0.50982
CHADL	0.493377	0.755875	0.856972	0.367206	1.4239	0.414672	0.471661	0.632303	0.133864	0.115138	0.17534	0.143825	0.0530541	0.115419	0.104971
CHAF1A	2.35377	2.73513	2.68599	4.10929	3.64546	5.00461	3.04315	2.10414	1.93075	1.564	1.0941	1.34735	3.72513	2.63042	1.77963
CHAF1B	1.42169	0.748597	0.924095	2.18717	0.709834	3.45006	1.14786	1.00176	0.519437	1.19807	2.04053	0.871934	2.86318	1.32154	1.10836
CHAMP1	3.17466	2.96377	3.17085	4.48418	1.72824	5.59482	2.85323	3.57202	2.39078	1.98861	2.82101	2.43828	3.8034	2.47513	2.41764

CHAT	0.00848352	0.00408749	0.0210545	0	0	0	0	0.00753945	0	0	0.00957684	0	0	0	0
CHCHD1	4.38731	3.75212	3.15312	10.964	4.60013	8.38206	3.63173	3.24111	9.15031	10.6689	19.2228	5.27784	9.1466	7.02231	3.8592
CHCHD10	23.1751	7.74823	10.303	10.6513	12.116	18.9134	15.4659	9.78458	4.1438	4.51214	14.2042	2.38861	4.97035	6.66013	6.96073
CHCHD2	38.2366	27.8541	30.5422	83.2517	41.0472	87.7817	41.7699	25.2092	47.7922	63.6271	123.597	39.8729	67.2722	49.549	29.6238
CHCHD3	4.30307	2.62811	3.07275	4.7735	3.60434	6.17794	2.81737	2.75466	2.83649	4.81398	7.00788	2.91789	6.39052	4.26716	4.40167
CHCHD4	2.64038	1.84222	1.62331	4.32684	1.61368	4.84049	1.51559	1.42332	2.19651	2.48094	3.7299	2.33319	3.87257	2.81275	1.55407
CHCHD5	4.0859	3.14082	3.53496	7.81058	6.00767	11.3137	4.95004	3.04911	6.7995	6.49836	13.9783	5.28922	5.21204	4.45025	4.83764
CHCHD6	2.53374	2.5288	2.39554	1.49206	3.72494	5.02764	2.71214	1.60842	1.68067	1.64684	3.6775	1.21404	1.45961	2.76674	1.4945
CHCHD7	2.4859	2.22589	2.2203	2.7885	0.956822	4.97333	1.39404	1.5934	2.26396	1.988	3.24087	1.50326	2.42712	1.60393	1.51649
CHD1	4.33964	3.56327	4.06829	4.94995	1.67525	5.17852	2.0398	3.32304	3.58933	5.87714	4.90291	3.54276	7.21583	5.15283	4.89659
CHD1L	3.63545	3.20785	3.21037	4.92154	3.19971	6.11277	3.37387	2.5117	4.62169	4.32434	4.76143	3.5707	4.44987	3.96991	3.4601
CHD2	12.0079	12.0609	12.3829	10.4532	7.97824	13.418	8.30664	9.6541	5.63949	7.78873	5.14775	7.46671	8.03903	8.55862	7.60652
CHD3	8.04396	10.4777	9.88485	13.6311	17.5392	19.5529	8.41987	7.39771	3.98099	9.24439	7.33193	7.73993	14.8643	11.8074	15.7218
CHD4	17.9696	18.1862	18.4698	22.793	27.013	35.6483	22.2262	15.1391	26.8098	14.7675	10.8552	13.6856	25.9634	16.0007	16.575
CHD5	0.0191601	0.0103856	0.0138693	0.00493627	0.0223217	0.0305899	0.0437528	0.00851397	0.00291686	0.012024	0.0108147	0.0034274	0	0.0062587	0.0412746
CHD6	6.99256	6.11658	6.1246	3.4663	5.16171	5.9486	5.12795	5.1324	2.47041	2.19947	2.18599	2.55374	2.08874	2.53743	3.33408
CHD7	3.58139	3.83057	3.76133	4.15202	3.82155	3.63831	3.37715	3.705	4.19623	3.52926	1.77555	4.07126	4.37892	3.88355	2.89312
CHD8	9.56605	9.93314	10.2457	8.93016	8.17778	11.0273	10.6127	8.34157	12.7937	6.37894	5.17954	7.42539	10.2067	7.01631	7.12058
CHD9	9.11232	8.05903	7.99733	5.91421	2.46342	4.88036	4.0962	7.8435	5.2787	5.92729	5.68381	5.15782	5.01111	5.84937	5.31156
CHDH	0.843042	0.40619	0.54244	0.283158	0.795421	1.80257	0.691615	0.527233	0.0532378	0.0548646	0.0845946	0.0491512	0.112814	0.0783307	0.376667
CHEK1	0.66931	0.481455	0.456218	1.96723	0.446619	1.59334	0.565075	0.54456	0.275542	1.23642	1.97405	0.644167	2.01017	1.50517	1.05598
CHEK2	0.540978	1.08431	0.769761	2.88781	0.857133	2.03601	0.877093	0.509623	0.606143	0.869099	1.4901	0.990937	1.16578	1.74167	0.994449
CHEK2P2	0	0	0	0	0	0.0684236	0	0	0	0.0336191	0.120952	0	0	0	0
CHERP	3.63747	4.55125	4.36655	7.44338	6.94904	10.3508	5.96779	3.87468	4.64065	3.05639	3.87453	4.3802	9.03295	4.85215	4.80091
CHFR	4.15669	4.40208	4.59062	5.78923	8.83282	7.25978	5.12189	3.53562	7.51006	7.39516	8.2698	5.06012	8.95731	7.66452	5.15194
CHGA	0.113114	0.0599499	0.0467878	0.0466268	0.0351409	0.0288944	0.116235	0.120631	0	0.0141969	0.0127691	0.0323743	0	0.0236473	0

CHGB	0.00873323	0	0.00722474	0.0269995	0	0.104107	0.00997132	0.0155227	0	0.0219222	0.0394349	0.0124977	0.0338078	0.0547724	0
CHI3L1	4.4472	2.59798	3.95001	22.2397	2.77887	112.143	7.32162	3.87392	11.0625	17.4408	52.5499	1.84795	4.47872	3.57534	13.262
CHI3L2	4.82684	4.0353	5.07459	62.3718	9.75159	38.5926	1.26297	9.07737	2.48439	1.09985	3.76234	0.688693	9.28716	0.442978	0.845866
CHIA	0	0	0	0	0	0.0107273	0	0	0	0	0	0	0	0	0
CHIAP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHIC1	0.910194	0.704574	0.728064	0.400022	0.265097	0.618306	0.894046	1.30555	0.175243	0.634193	0.955722	0.380705	0.636912	0.459966	0.740082
CHIC2	6.80204	6.41891	7.19207	9.35319	8.4715	8.39647	8.06506	6.09875	21.5436	8.51201	15.6527	6.85418	7.33605	5.84794	5.11551
CHID1	3.44386	3.74513	3.45593	6.4919	8.18435	7.33619	4.83205	2.87204	3.98011	3.25703	5.50984	3.77435	4.41265	3.37799	3.57005
CHIT1	1.04988	0.0263921	0.00755249	0.0376325	0	0.00777357	0.0416947	0.194723	0.0111186	0.1375	0.597746	0.0261293	0	0	0.0786659
CHKA	2.65757	1.15734	1.25429	0.956792	1.33635	2.53125	1.19623	1.7411	0.30084	0.919408	1.21157	0.475391	1.15409	1.20199	1.68812
CHKB	5.144	6.24384	5.51718	7.98005	13.6442	8.14675	4.78934	4.43533	5.66814	5.63426	7.89205	6.62821	2.90278	6.01521	6.55802
CHKB-CPT1B	0.293148	0.200617	0.130376	0.243074	0.212723	0.208654	0.177572	0.235477	0.0936656	0.170396	0.179262	0.240728	0.0561602	0.0807987	0.243488
CHKB-DT	0.113558	0.251684	0.338194	0.585122	0.564462	0.986267	0.259313	0.222025	0.331921	0.513095	0.640962	0.520023	0.17584	0.284881	0
CHL1	4.74139	5.15996	4.69866	4.21247	3.54287	2.54783	3.30036	3.66974	5.31623	0.804861	0.502511	1.71871	0.484835	0.118629	0.386101
CHL1-AS1	0.671148	1.31313	1.54865	0.473793	0.0790091	0.0904554	0.763735	0.547045	0.470347	0.0638394	0	0.236564	0	0.0531673	0.255664
CHL1-AS2	0.414407	0.337899	0.158228	0.0328507	1.53502	0.0814298	0.0727933	0.11332	0.0388232	0	0	0.159664	0	0	0
CHM	1.1828	1.19784	1.12939	1.6323	0.451504	1.27967	0.881177	1.16209	1.42294	1.86293	2.21872	0.805422	1.79256	1.17368	1.5165
CHML	1.75882	1.22459	1.13259	1.19822	0.228943	1.44462	1.18545	1.80178	1.77506	1.46344	2.01137	1.01944	1.40527	1.34034	1.34996
CHMP1A	11.0133	11.4992	11.2466	22.1748	28.4567	25.0376	12.9826	8.72391	23.4538	18.2622	18.9764	15.6904	33.2586	15.6435	10.8265
CHMP1B	9.85745	8.12349	8.07743	10.7947	8.20017	11.946	8.2467	9.70243	32.3214	15.6056	19.4662	12.9391	17.1715	10.9769	7.41844
CHMP1B2P	0.11286	0.24717	0.178243	0.0775367	0.0531242	0.104835	0.0624773	0.249231	0.0624774	0.0386319	0.0463289	0.0244709	0.019859	0.094734	0.103142
CHMP2A	20.5517	17.555	18.6464	36.9944	31.334	48.1426	21.2974	15.3065	35.8576	27.1964	49.5016	22.6333	33.7982	19.8948	12.7043
CHMP2B	5.6801	4.46796	4.55329	6.90624	2.53067	6.28368	3.72027	6.57418	10.8001	8.82012	9.52365	6.48388	12.7672	5.38957	5.43821
CHMP3	18.0253	13.3035	13.1758	20.5217	14.0683	25.2794	13.0304	13.6923	14.0562	18.2454	26.6788	11.2973	18.3479	13.19	13.7438
CHMP4A	6.55378	7.17886	7.11605	9.40968	11.0817	9.22811	5.12501	4.70204	9.66543	8.88972	12.4463	6.44794	7.35577	5.97642	4.11778
CHMP4B	19.869	17.3116	16.4022	30.8148	25.3194	39.7231	16.2202	14.9855	44.9396	29.4878	36.6901	22.9138	30.8064	17.3906	14.5901

CHMP4C	5.95824	7.02281	7.19126	6.76061	4.67631	1.97594	7.10368	5.18371	36.267	10.5797	13.2681	9.30741	11.6379	2.62235	1.83746
CHMP5	6.13796	6.52876	6.46509	11.1182	4.84532	9.60542	4.55717	5.71322	18.1914	14.5796	25.8104	7.59173	12.3567	7.5203	4.83291
CHMP6	3.29622	3.85985	4.14207	6.90835	10.6076	9.36746	4.68454	2.57095	6.50438	6.24927	9.5302	5.30421	10.5079	5.29181	4.57399
CHMP7	2.62573	3.09903	2.80643	5.29991	5.17475	6.25088	3.0522	2.2069	3.81758	3.30408	4.82534	2.50503	5.20491	3.59215	3.84883
CHN1	1.08374	0.515424	0.468517	1.088	1.11866	1.91702	0.447052	0.602736	0.246944	4.69491	8.15346	0.660378	3.39236	3.41305	6.27575
CHN2	0.364343	0.320664	0.425993	0.210261	0.22638	0.475691	0.349436	0.341067	0.0946621	0.28047	0.477105	0.152942	0.191192	0.17011	0.383711
CHODL	0.173511	0.175162	0.252905	0.076632	0.0770064	0.126636	0.188675	0.132173	0.11069	0.0311106	0.0932725	0.0827678	0.00533087	0.0302281	0.0118659
CHODL-AS1	0.0502018	0.072564	0	0	0	0.128239	0	0.0892304	0	0	0	0.107762	0	0.0262377	0
CHORDC1	1.67415	2.0411	2.00133	3.18989	1.12573	2.35192	1.21447	1.81602	2.76378	3.67203	3.91199	3.03817	5.24036	4.28022	2.49396
CHP1	20.3685	17.5964	15.6759	30.307	15.3909	28.7471	19.7934	18.465	82.1295	41.3657	42.5067	35.7814	51.6691	23.0745	14.1059
CHP2	2.89531	14.6475	18.0364	1.16144	10.7606	0.364007	14.9203	6.62274	8.29476	0.463385	0.899371	1.73103	0.0877602	0.126948	0.320922
CHPF	3.96407	3.92868	4.08108	11.0311	17.3976	15.5983	4.76732	3.64581	9.87741	15.6026	27.771	6.79899	15.5566	12.4272	14.1381
CHPF2	4.49748	5.28453	5.64577	7.61896	11.0336	12.986	6.26143	3.89384	5.39964	6.4168	9.06011	5.73434	9.21436	8.43465	11.1176
CHPT1	8.12296	3.23775	5.14377	2.06991	2.43179	7.40704	4.55295	4.25265	0.503636	2.02049	4.20144	0.40157	1.27687	1.92973	2.88458
CHRAC1	3.44239	3.05026	2.98305	4.88597	1.52375	6.4501	4.57336	3.65664	4.11502	3.21477	6.24432	2.81407	5.87774	2.49221	3.39146
CHRD	0.693054	0.736422	1.01871	0.561167	2.88362	4.19412	1.07392	0.577433	0.158262	0.893153	1.07576	0.571169	0.786514	1.38743	3.32364
CHRD1	5.19178	2.97067	4.82435	0.625055	0.587772	12.229	3.43722	3.08093	0.0271081	0.328253	0.496255	0.059724	0.348253	0.0930652	2.38944
CHRD2	0.217227	0.0241531	0.0207353	0.232469	6.9692	7.32748	0.0858541	0.371257	0.0203506	0.199239	0.782825	0	2.12387	0.266365	8.903
CHRFAM7A	0.20633	0.0533332	0.0620466	0.103681	0.00147417	0.112	0.184718	0.0789011	0.0172687	0.0140507	0.0865744	0.020439	0.0598237	0.0786481	0.16328
CHRM1	0.721427	0.774188	1.06477	0.0337932	0.267422	0.495617	0.823702	0.969002	0.0599057	0	0	0	0	0	0
CHRM2	0	0	0	0	0	0	0.017776	0	0	0	0	0	0	0	0
CHRM3	1.88815	1.38323	1.57724	0.667549	2.29418	0.892811	1.42934	1.2455	0.377628	0.548047	0.33685	0.765819	0.139979	0.893721	0.723987
CHRM3-AS1	0	0.0461726	0.0396388	0	0	0	0	0.0425831	0	0	0	0	0	0	0
CHRM3-AS2	0.259161	0.049947	0.128638	0.0267073	0	0.0220672	0.0591803	0.253353	0	0.0650547	0	0	0	0.0948141	0
CHRM4	0.178317	0.19638	0.27396	0.118132	0.296773	0.0433814	0.756218	0.135835	0.0465365	0	0.0718922	0.0637954	0.0575247	0.0199707	0.0731675
CHRM5	0.28761	0.194005	0.195633	0.0922105	0.0992796	0.130611	0.131354	0.272644	0.0389197	0.40109	0.137086	0.160061	0.0618549	0.230487	0.156039

CHRNA1	0.0112563	0	0	0.0116	0	0.0287539	0	0	0.013709	0	0.038121	0	0	0	0.0161655
CHRNA10	0.0922493	0.28335	0.200327	0.237664	0.358238	0.206191	0.171157	0.102479	0.0983057	0.159201	0.117155	0.173268	0.0297594	0.427895	0.149042
CHRNA2	0.112154	0.1432	0.199481	0.0231157	0.139372	0.0143247	0.102443	0.159478	0	0.00703826	0	0.00802494	0	0.0381009	0.0563737
CHRNA3	0.16275	0.163104	0.188494	0.05367	0.0505614	0.521059	0.0743291	0.474415	1.49055	0.318658	0.771643	0.493756	0.0504026	0.360656	0.0280475
CHRNA4	0.0165722	0.0139733	0.0274194	0	0.0321779	0	0.0141912	0.00368199	0	0.0103999	0.00935396	0	0.00267307	0	0
CHRNA5	0.121368	0.0523217	0.0581289	0.250147	0.019845	0.271957	0.109401	0.0794774	0.147813	0.176382	0.259598	0.146261	0.358561	0.250391	0.165127
CHRNA6	0.00971173	0	0.00803423	0.0500411	0.0301713	0.00826941	0	0.0431549	0	0.0121892	0.0219267	0.006949	0.0125319	0.0101515	0
CHRNA7	0.18533	0.158151	0.102584	0.0908827	0.124925	0.126915	0.223528	0.105019	0.0298707	0.0837368	0.158531	0.0360441	0.0384746	0.0841803	0.332116
CHRNA9	0.437237	0.220466	0.117767	0.146702	0.347487	0.727287	0.174148	0.189772	4.42103	0.701924	1.44632	0.334682	0.0131211	0.116917	0.0292059
CHRNA1	1.02563	1.27335	1.24855	1.4484	1.29812	1.89216	0.932484	0.831315	4.3834	2.46726	2.14408	1.68517	6.95428	1.81161	1.36382
CHRNA2	0.764959	0.77029	0.666311	0.771629	0.553257	0.754742	0.499089	0.597101	0.147878	0.187957	0.182761	0.25485	0.0940091	0.234804	0.406881
CHRNA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00489699	0
CHRNA4	0.0263889	0.0508583	0.0291077	0.0815835	0.0273274	0.0748993	0.0100433	0.117261	0	0.0662415	0.109229	0.0314699	0.0283766	0.0459733	0.0252652
CHRNA5	0.11716	0.203219	0.329539	0.0321965	0.109194	0.0665069	0.374555	0.18742	0	0	0	0.022355	0.00503941	0.0326576	0.0336514
CHRNA6	0.243015	1.33299	1.60631	0.555881	0.535299	0.602431	0.974581	0.315306	1.60804	0.482452	0.623204	0.606882	0.238495	0.430292	0.328548
CHRNA7	0.634926	0.800483	0.779129	0.130862	0.789007	0.234273	0.73702	0.611292	0	0.132816	0.0716752	0.159007	0.0614477	0.215696	0.288747
CHST1	0.276072	0.113205	0.116623	3.48059	1.68797	2.66581	0.187785	0.114845	0.343378	0.530806	1.51847	1.20624	1.25442	0.801255	1.4931
CHST10	1.00551	0.336005	0.496416	0.935933	0.667591	1.84355	0.592549	0.720659	0.207393	0.793854	1.60196	0.272703	0.978361	0.580621	1.24607
CHST11	1.25184	0.537428	0.643939	2.54703	1.15302	2.55891	0.710076	0.6989	0.224781	2.70426	4.55204	0.447864	3.52325	1.73212	4.63857
CHST12	2.46295	2.81772	3.45571	2.33688	6.06738	4.32367	3.95183	2.13101	2.31247	1.72947	4.60537	1.28874	2.31712	1.71255	3.03848
CHST13	0.181616	0.0312519	0.0643909	0.0534744	0.0403017	0.209873	0.0148117	0.0807025	0.0315982	0.227947	0.790798	0.0185644	0	0.0813603	0.186302
CHST14	2.08477	1.74515	1.86404	2.60414	4.05614	5.39719	2.68087	1.46912	0.692459	2.53731	6.0619	0.768456	2.5543	2.5864	5.1412
CHST15	2.32353	1.99119	1.66394	4.4965	2.25922	5.82961	3.04176	1.98299	1.87933	5.4808	5.55426	2.33518	6.16592	4.27161	4.53407
CHST2	0.676894	0.822083	0.356347	8.486	8.28994	6.06852	0.568464	0.561794	23.2802	14.2321	9.59266	10.3592	26.8606	9.94369	7.00558
CHST3	5.23399	4.03938	3.54741	7.26467	6.08862	10.9905	3.48252	3.89938	1.24093	3.14505	2.75007	2.52204	4.7517	4.15791	2.77406
CHST4	0.0100317	0.00966682	0	0.0413517	0	0.0683347	0.0114538	0	0	0	0.0339735	0	0	0	0.0144067

CHST5	0.0427256	0.116953	0.100146	0.0589691	0.0909841	0.0727606	0.0740011	0.0719242	0.03469	0.017875	0.0884252	0.0407618	0	0.0418409	0
CHST6	0.03871	0.0199833	0.0388859	0.19376	0.312567	0.190703	0.0662967	0.0172011	0.0101024	0.298451	0.561841	0.0613314	0.3782	0.218212	1.25083
CHST7	1.07577	0.423672	0.379197	0.838688	1.35136	1.58508	0.619479	0.448929	0.307604	0.669229	1.45729	0.321283	0.494909	0.596467	0.63141
CHST8	0.0399294	0.0461726	0.0594583	0.0164593	0.198477	0.00679986	0.0638261	0.0141944	0	0	0.00901505	0	0.0257622	0.0125213	0.217906
CHST9	0.0204896	0.0345528	0.00847524	0.0211152	0	0.0348933	0	0.0728379	0.012477	0	0	0	0	0	0
CHSY1	6.60721	5.99686	6.63993	8.67496	6.13111	15.7518	4.37302	5.85838	2.83095	7.7884	12.5346	3.28642	10.4129	9.5143	20.5773
CHSY3	0.636235	0.558811	0.542787	0.498574	1.82216	1.69296	0.401051	0.365175	0.16143	1.93812	3.71086	0.260816	1.34694	1.44094	4.99687
CHTF18	0.981146	1.24859	1.64813	2.36952	2.90851	4.69373	1.56492	0.92521	0.538172	0.723823	0.963858	1.18435	1.80244	1.97287	1.9361
CHTF8	10.6317	11.2775	11.0123	21.9567	16.5319	26.6505	13.7866	8.0828	22.6226	16.4171	23.4313	12.4655	23.7946	13.146	10.1027
CHTOP	7.67159	8.39642	8.03475	11.0748	9.19473	11.9492	7.46604	6.17219	7.70214	7.89872	11.6602	6.1026	12.2762	8.21273	5.78491
CHUK	2.64327	2.04142	2.50438	3.97055	1.0737	3.61315	1.92919	2.47995	2.93081	3.88792	4.7613	2.39509	6.01243	3.67616	2.72986
CHURC1	7.49854	6.26851	6.92524	8.87092	1.30166	6.28715	3.3199	6.86709	6.1761	6.5729	8.41265	3.92434	5.3286	3.8448	5.37093
CHURC1-FNTB	2.24965	2.73097	1.86694	3.31576	4.03148	2.88515	2.36223	0.893929	7.02743	1.86452	5.51278	2.13922	2.11708	1.84424	0.19356
CIAO1	7.55188	6.71224	6.57951	8.10744	6.58236	9.77976	6.41613	5.25911	5.098	5.00188	7.33408	4.67526	7.3105	6.08025	5.56684
CIAO2A	1.64318	0.955512	1.14582	2.53677	1.0464	2.32119	0.934472	1.30366	1.11178	2.37843	5.70699	1.15322	2.04723	1.994	1.46471
CIAO2B	7.28126	6.05137	5.3518	13.1382	5.76028	15.1426	5.47023	4.18569	12.3951	15.2879	23.681	9.62581	14.111	13.0716	5.32559
CIAO3	2.42025	2.89779	2.70685	4.13194	6.71226	5.96136	2.68035	1.88321	2.75783	2.58137	2.89634	2.33378	3.31074	3.03477	1.89453
CIAPIN1	5.14407	4.2824	4.1678	10.0667	8.03998	9.39237	4.92877	3.4782	11.1348	7.44144	9.57866	7.1034	10.3332	7.23409	4.00603
CIART	2.2448	4.21102	5.50518	0.880708	0.283204	2.02784	7.75416	1.38738	5.73148	2.07376	1.85233	3.26135	2.55847	0.61937	0.785497
CIB1	8.72288	6.80292	6.16231	23.0288	16.3805	28.0222	5.71712	4.70162	6.89557	14.7455	27.5635	8.02655	17.4433	12.9924	7.8771
CIB2	1.48353	1.43607	1.11571	4.68374	4.04324	4.19154	0.846923	1.15064	12.4175	6.90626	12.3016	5.72249	5.06429	4.0248	1.7238
CIB3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0170121	0
CIB4	0	0	0.0247679	0	0.093012	0.0509858	0.0341837	0	0	0	0	0	0	0	0
CIC	5.14015	8.06144	9.01932	8.97435	15.8135	23.5198	9.80675	5.46389	5.03921	5.25584	4.66775	5.72258	8.36372	7.30598	10.9551
CIDEA	2.59922	2.26988	0.237769	0.347699	2.98929	1.33005	0.998747	0.921767	14.0319	1.36451	3.54078	1.4038	0.411188	0.953538	0.179462
CIDEB	3.34348	5.15775	3.35895	6.64764	8.53585	5.94292	3.22184	2.69191	8.55681	2.75311	4.18543	3.82383	3.75242	2.41873	1.07547

CIDEC	2.13602	0.00810369	0.0417418	0	0	1.10273	0.748936	0.328843	0	0	0	0	0	0	0
CIDCEP	1.29693	1.40251	1.23981	1.30683	2.14889	1.59513	1.77696	1.12699	0.87751	1.3384	1.8545	0.72177	1.4876	1.38579	1.20032
CIITA	3.81371	2.60332	3.08577	2.80435	5.41948	4.58395	2.84298	3.12254	0.389553	1.25378	2.3387	0.950682	2.60981	2.52044	7.09534
CILP	10.1834	5.62775	8.91717	0.389664	8.66545	1.57013	17.9728	4.83348	0.258642	0.0910154	0.169571	0.0444749	0.0735226	0.070386	1.94151
CILP2	0.70548	0.0823222	0.0683933	0.0567983	1.40406	0.159563	0.176202	0.0783715	0.0134249	0.0276703	0.0373312	0.011831	0.138685	0.0316864	7.26625
CINP	4.23146	3.32584	3.18766	9.4765	5.14084	7.30673	4.45348	3.40343	6.70812	9.46472	15.2378	5.73408	8.70893	6.01692	4.31156
CIP2A	0.541087	0.423412	0.498278	1.01214	0.236008	0.827052	0.280978	0.482242	0.185041	0.930359	1.08423	0.454269	1.15155	1.08857	0.69356
CIPC	5.87625	4.87265	4.62787	3.95482	3.46428	5.42504	4.4121	3.84105	9.86627	4.19537	5.51594	4.18176	3.97334	3.24366	1.98745
CIR1	6.71187	5.47272	5.36033	5.91917	2.56636	7.0779	2.16638	3.95752	8.92886	6.07506	8.9611	4.4331	5.69623	3.76427	3.72588
CIRBP	33.6873	33.3818	34.3489	20.7722	49.8654	42.7997	24.2933	27.8776	15.8706	13.7873	21.5057	15.6819	13.831	13.1686	19.4901
CIRBP-AS1	0.665619	1.48018	1.22837	0.861821	1.98834	1.17713	1.94867	0.925239	0.644362	0.471263	0.693601	1.6242	0.869919	0.892004	0.784339
CISD1	1.24059	1.01562	1.04447	2.98686	0.579825	2.13139	0.58915	1.405	1.14989	2.12202	4.37493	1.31187	2.23127	1.57219	1.38748
CISD2	1.22409	0.931047	0.99124	1.40002	0.366143	1.11937	0.910039	1.11724	1.61653	2.11035	3.6543	1.20589	2.01726	1.22573	1.30328
CISD3	2.55018	2.03856	2.14531	4.38049	4.39735	7.02495	4.06089	1.4957	2.12722	3.09707	6.82821	1.62968	4.00333	3.08858	3.30464
CISH	1.62246	1.8437	1.59546	3.56482	2.6312	6.04735	1.80587	1.93162	1.60315	2.79199	3.83591	1.51138	4.99045	2.15993	2.76969
CISTR	0	0	0.0417115	0	0	0	0	0	0	0	0	0	0	0	0
CIT	0.975365	0.738854	0.912422	1.56661	0.668783	2.57077	1.40191	0.819586	0.385174	0.82057	1.03506	0.770164	1.25004	1.90848	0.820605
CITED1	0.100186	0.0344795	0.0473607	0.0294986	0.066696	0.194988	0.0163414	0.0508785	0	0.0179635	0.0969411	0	0.073874	0.0374013	0.0205543
CITED2	11.872	11.4195	13.9814	21.4948	13.4831	18.9057	24.0899	12.7758	57.0638	14.2286	26.8785	18.4292	27.3164	6.26776	5.19662
CITED4	13.2118	14.6574	16.0609	41.2703	65.6887	41.3811	14.7983	9.94128	46.7868	35.2118	32.2371	23.6271	62.4914	27.0487	10.787
CIZ1	8.64404	11.0999	12.0978	11.9655	12.4258	22.7588	12.7764	8.06221	9.04542	9.38778	8.80017	8.36916	17.5844	9.20073	7.68083
CKAP2	2.65944	2.69937	1.81939	6.34151	0.723139	4.92993	0.934768	2.38252	2.48946	4.55348	4.07742	2.17475	4.71605	4.05516	2.13635
CKAP2L	0.202924	0.221151	0.127904	1.36923	0.0600403	1.0285	0.209627	0.163167	0.229486	1.15217	1.67989	0.45288	2.17275	1.46966	0.617544
CKAP4	12.8827	12.932	12.1709	35.0517	28.7617	35.1476	11.6541	9.57925	38.3235	33.1322	31.5728	21.8502	56.8795	28.3943	23.2195
CKAP5	6.25626	6.19802	6.31632	13.0861	5.60067	11.7576	4.80932	5.4865	6.98124	9.85545	7.89124	8.01324	14.1586	9.89255	7.1977
CKB	15.0353	15.1735	19.1832	8.01221	14.685	19.062	29.2222	8.32117	14.1482	10.157	12.9944	18.8542	16.6689	7.20983	2.54161

CKLF	2.16314	2.07192	2.54412	5.2641	1.4574	5.97472	2.64835	1.69081	1.90443	5.92952	13.9562	1.49184	3.8395	2.32922	3.06912
CKLF-CMTM1	6.75E-06	2.74E-08	2.83E-14	7.00E-12	2.63E-07	0.192071	5.08E-13	6.41E-15	2.31E-14	0.0563725	0.154312	7.45E-13	0.102295	3.21E-14	3.36E-13
CKM	0.0279168	0.0874299	0.0923791	0.0143846	0.173458	0.0118854	0.143435	0.0992406	0	0.070077	0.0315146	0.0499381	0	0.0364764	0.0601381
CKMT1A	6.44728	7.34541	6.57916	17.4182	8.74726	12.231	7.95272	5.00779	12.7408	9.50392	9.95331	14.8013	21.9722	10.841	1.87504
CKMT1B	6.55673	6.08405	3.8691	12.6762	5.57608	9.14329	5.65654	5.36941	12.9516	10.3215	6.06482	13.4907	10.934	8.35804	3.17491
CKMT2	1.53256	0.63002	0.709526	0.376725	0.764411	0.419022	0.786619	0.349874	0.0684949	0.0705879	0.14285	0.171027	0.0544293	0.323332	0.363459
CKMT2-AS1	0.754233	1.3465	1.10342	1.03907	0.838608	0.97347	0.888353	0.656188	0.744526	0.418514	0.779736	0.431739	0.368812	0.70955	0.501681
CKS1B	8.8665	6.49247	5.86384	13.5508	3.11248	14.225	6.89199	4.18476	5.36869	9.39937	17.0778	4.89258	8.2254	10.0404	4.10059
CKS2	2.10391	1.50244	1.18106	9.56306	0.408513	5.27839	1.15819	1.33556	2.83687	12.5901	24.4292	3.92481	8.77484	8.1488	3.50708
CLASP1	6.96159	7.32796	7.49653	6.42264	6.52865	7.78576	7.61914	6.6641	13.9067	8.22293	6.56338	7.98064	9.13798	6.3506	5.87765
CLASP2	5.55506	4.67006	4.97973	4.11793	2.17831	4.41934	3.93226	4.30972	3.73898	4.26581	4.27599	3.53891	5.6543	4.28249	3.41286
CLASRP	5.73923	7.48366	7.68218	7.03342	10.8586	10.8128	7.16685	5.39463	5.49105	4.58158	2.33473	6.89609	6.13149	6.51799	5.98492
CLBA1	0.835898	1.2492	1.07829	1.59873	2.33279	2.81686	0.96249	0.824719	0.845483	1.10248	1.10356	1.02895	0.950661	1.28101	1.19028
CLC	0.0365609	0	0	0	0	0	0	0.0974769	0	0.367102	0.866727	0	0	0	0
CLCA1	0	0.00357393	0	0	0	0	0.00846923	0	0	0.00930991	0	0	0	0	0
CLCA2	34.2519	36.3063	24.377	130.087	26.9682	104.12	17.4847	36.4738	123.025	140.905	113.508	100.591	159.502	91.6654	27.7166
CLCA3P	0.0203485	0.00980423	0.0112225	0.0489294	0	0.034653	0.0309777	0.0421962	0.0413037	0.0170263	0.0689128	0.00970661	0.00875251	0.017725	0
CLCA4	0.396779	1.9187	1.70091	0.50554	0.77322	0.0859988	0.733085	0.602667	0.852246	0.507053	0.342044	0.609109	0.837819	0.177211	0.0207209
CLCC1	4.55112	5.16292	4.82665	3.39288	2.36779	4.69318	3.21224	4.03764	1.7374	2.86936	3.57022	2.40242	3.54031	2.72577	3.11718
CLCF1	0.516115	0.825138	0.902451	0.773631	1.80383	3.1262	1.12499	0.89651	0.585713	2.2525	2.01272	2.10665	4.70731	2.7097	3.92502
CLCN1	0.0373757	0.0108049	0	0.200287	0.104503	0.133665	0.00853488	0.00664329	0.0637272	0.27208	0.388171	0.032092	0.482293	0.0859504	0.107353
CLCN2	0.485371	0.718523	0.727415	0.48569	0.874144	1.19793	0.65056	0.531382	0.394085	0.388469	0.547923	0.609026	0.413007	0.647058	0.737463
CLCN3	7.63446	9.21073	9.22674	13.7862	4.93227	9.97549	7.46093	9.18751	30.0582	14.7563	14.8359	14.5729	13.0402	9.77393	5.41232
CLCN4	1.016	0.34004	0.307434	0.158107	0.879132	1.07414	0.712373	0.721139	1.12942	0.282424	0.554226	0.0414719	0.16718	0.115824	0.523908
CLCN5	1.54983	1.51549	1.67111	1.22478	0.701268	1.29557	1.93856	1.71396	2.16324	1.39607	1.4891	1.82384	1.62352	1.24459	1.33483
CLCN6	2.19864	2.268	2.27667	1.92032	2.72857	3.56498	2.95355	2.01298	0.663118	1.23197	1.31016	1.52034	1.10555	1.48359	2.52375

CLCN7	5.61325	6.68611	7.36641	9.32325	19.8126	16.3114	9.44791	5.52399	12.8591	8.81164	8.27782	10.7482	12.1403	7.81381	8.65119
CLCNKA	0.0982906	0.0359971	0.0981437	0.0282132	0.249334	0.0899238	0.141951	0.175999	0	0	0	0	0	0.00476955	0
CLCNKB	0.00953477	0.017986	0.0320804	0.00799249	0.0290452	0.0490507	0.0653206	0.0227402	0	0	0	0	0	0	0
CLDN1	14.5013	35.5484	48.9399	13.3066	15.5065	9.56186	42.3917	40.2058	100.756	31.1842	26.5797	31.1042	40.9672	15.617	5.64209
CLDN10	2.77211	0.633422	1.14265	0.0841814	0.496505	1.55734	1.0543	1.77714	0	0	0.00971527	6.44E-42	0.0423306	0.0240019	0.208739
CLDN10-AS1	0.543021	0.348848	0.492009	0	0.401666	0.0440358	0.206668	0.436631	0	0	0	0	0	0	0
CLDN11	1.33564	0.897044	1.41298	0.692381	1.00592	1.94372	5.62859	0.863279	0.0887271	0.53847	0.804146	0.411235	0.151459	0.397686	0.883513
CLDN12	2.09702	1.7925	2.01175	3.88597	0.686801	3.16243	1.59381	2.38571	3.34628	3.72599	4.09281	2.10157	6.88722	3.04702	2.27683
CLDN14	0.0630846	0.026053	0.0223663	0.0557233	0.0419967	0.0690631	0.072028	0.040046	0	0.0565555	0.101735	0.0193452	0.0755892	0.0471011	0.0905975
CLDN15	1.30979	1.44104	1.68078	0.97779	2.61128	2.09881	1.28352	0.907395	0.376813	0.647213	1.1526	0.760083	0.572252	1.70869	3.88053
CLDN16	0.0777799	0.166936	0.233982	0.0801544	0.0329506	0.108374	0.0888066	0.175953	0.0861156	0.0709976	0.0239465	0.0860101	0.0912422	0.0221734	0.0101547
CLDN17	0.0316594	0.030508	0.0261909	6.10106	0.786849	0.242618	0.108443	0.0281363	0.886826	9.5366	2.8949	2.89961	8.57913	1.22445	0.636537
CLDN18	0.242135	0.752181	0.574578	0.28236	0.237549	0.119365	0.283738	0.271819	0.0155207	0.0719775	0.0287727	0.369306	0.0164447	0.259762	0.228774
CLDN19	0	0.00619138	0.00531526	0.00662121	0.00998033	0.00547085	0	0.0285503	0.007825	0	0	0.0137919	0	0.0235061	0
CLDN2	0.417356	0.638942	0.729514	0.0693705	0.250954	0.097441	0.622555	0.352964	0.0491896	0.158138	0.0455945	0.178214	0.0390884	0.0422184	0.0432607
CLDN20	1.03368	0.949975	0.886809	0.690435	0.564958	0.440084	1.18023	1.02073	0.139879	0.168179	0.237702	0.493086	0.0617526	0.650299	0.742251
CLDN22	1.78E-31	5.00E-30	8.75E-29	1.71E-41	1.45E-36	0	3.45E-32	1.39E-32	5.48E-41	1.60E-30	4.09E-33	1.87E-36	1.25E-42	3.44E-39	5.17E-41
CLDN23	0.829925	0.811166	0.794462	1.19737	3.57282	3.27087	1.75979	1.00099	2.48357	1.27973	1.72654	0.415683	1.43045	0.848921	0.936475
CLDN24	0.440277	0.255005	0.458487	0.320698	0.188277	0.226286	0.0617491	0.0365648	0.056322	0.053847	0.0941317	0.236714	0.119798	0.351081	0.487912
CLDN25	0	0	0	0	0	0	0.0382956	0	0	0	0	0	0	0	0
CLDN3	0.781123	0.38511	0.841563	0.074881	0.761874	0.959005	0.87112	0.758774	0.0221237	0	0	0.012998	0	0.0379767	0.0782645
CLDN34	0.717614	0.345757	0.148415	0.221857	0	0.122208	0.368707	0.28699	0	0.135102	0.121515	0.154042	0.277801	0.0750113	0.0515292
CLDN4	9.50496	18.1785	23.8927	12.309	34.084	12.4629	21.3585	12.3001	97.6722	37.9942	44.6176	53.2689	114.308	34.2785	8.98525
CLDN5	9.02124	2.92017	3.37572	3.89591	10.2846	22.5926	4.54483	2.15098	0.548122	2.05864	6.42412	0.780027	3.40063	2.59265	5.74529
CLDN6	0.067571	0.0569743	0.0279497	0	0.0524805	0.0575358	0.0964379	0.0300257	0	0.0424042	0	0.0483488	0	0.0264866	0
CLDN7	2.12861	1.00378	0.992872	1.12014	1.05526	2.23669	1.48667	0.794932	0.234421	3.55271	1.06087	0.834455	10.3515	1.01783	0.975627

CLDN8	1.46666	0.374114	0.615584	0.044454	0.301531	0.505047	0.554091	1.00634	0.013134	0.0135354	0.0121741	0	0	0.033818	0
CLDN9	0	0.0217574	0.0373572	0	0.0175362	0.00961269	0.0128897	0.010033	0	0.0850153	0.0382326	0	0.0145676	0	0
CLDND1	6.74626	7.87386	7.32833	12.1594	3.62037	9.14756	4.05403	6.6185	18.9272	16.0888	20.9458	10.2862	16.218	10.3683	8.10644
CLDND2	0.118804	0.103035	0.0786265	0.0979449	0.184544	0.0809281	0.0271294	0.1267	0.028938	0	0.107292	0.034003	0.0153304	0.0993476	0.238865
CLEC10A	1.71715	1.25954	1.71737	1.3866	1.59243	0.872912	1.49238	1.27551	0.171673	0.643342	2.53156	0.275074	2.14138	0.823785	1.85873
CLEC11A	1.99027	2.25867	2.80312	2.05103	14.2059	6.82077	3.30535	1.72493	2.42392	6.70948	19.4967	1.9184	2.58945	4.83135	9.23626
CLEC12A	0.170391	0.0820968	0.0331668	0.10329	0.124553	0.563273	0.0457756	0.204874	0.0122069	0.842851	1.45959	0.0286868	0.504408	0.130961	0.287885
CLEC12A-AS1	0.356767	0.459328	0.48384	0.289305	1.09928	0.308762	0.474123	0.181922	0.0783528	0.198197	0.132048	0.338973	0.0905642	0.537988	0.369573
CLEC12B	0.0528229	0.212209	0.245806	0.0884578	0.0205131	0.0562226	0.158318	0.199515	0.0241247	0.0331491	0.0223614	0.00472453	0.00852027	0.0129607	0.0379302
CLEC14A	7.4866	2.58192	2.43862	5.19038	9.1427	18.6671	4.31298	2.51565	1.68805	5.69667	13.2556	2.72383	7.43755	6.2901	9.06956
CLEC16A	2.99695	3.81126	4.21042	3.99343	5.45652	4.88411	4.67798	3.28144	5.86057	2.98294	2.48394	4.15332	4.00416	3.28966	3.60541
CLEC17A	0	0	0	0.0107189	0.0323138	0	0.0118759	0	0	0.0261096	0.0587093	0	0.127507	0.0434897	0.164314
CLEC18A	0.168423	0.207408	0.190582	0.0879042	0.253365	0.0914649	0.207856	0.0691166	0.00021838	0.0694745	0.0961196	0.127891	0.0468425	0.0466299	0.104795
CLEC18B	2.44E-26	0.0377906	3.38E-12	0.0587849	0.0556464	0.16034	4.63E-17	0.0306762	0.130285	0.0333713	4.77E-22	0.0472482	0.0198599	0.0541922	0.0923372
CLEC18C	0.0946803	0.0340832	1.49E-12	0.0435163	1.74E-13	1.41E-11	0.058513	2.56E-35	3.54E-24	1.75E-05	0.00185855	0.062127	0.0315697	5.35E-27	3.18E-13
CLEC19A	0	0.008942	0.0153533	0.0286884	0	0	0	0.0247405	0	0	0	0	0	0	0
CLEC1A	1.25873	0.568089	0.560197	0.829194	0.494997	1.10571	0.318361	0.601806	0.174644	0.859908	1.49289	0.302118	0.508863	0.507972	0.915287
CLEC1B	0	0.0114955	0	0	0	0	0	0.0212037	0	0	0	0	0	0	0
CLEC2A	0.303515	7.32106	10.7027	0.781954	0.383065	0.161525	14.4682	4.92274	0.300339	0.0714268	0.235559	0.08144	0.0122392	0.168545	0
CLEC2B	6.93837	7.742	9.03731	10.3918	2.09909	6.19801	3.57852	5.17723	4.31497	3.69144	8.47352	1.33256	2.24196	1.31164	2.31578
CLEC2D	1.26178	0.981025	1.08528	0.884721	0.303926	0.723429	0.477199	1.09462	0.103677	0.425391	0.509112	0.268145	0.34052	0.596483	1.4227
CLEC2L	0	0	0.0887739	0.0184309	0.0833442	0.060915	0.0612612	0.0158946	0	0.0673421	0.565315	0	0	0	0.231165
CLEC3A	0	0	0	0	0.0360032	0	0	0.0205985	0	0	0	0	0	0	0
CLEC3B	25.9095	18.1634	25.7333	2.77667	10.3513	7.08761	54.4404	9.64239	1.40635	6.3408	15.3984	2.68532	3.94248	4.84075	8.53364
CLEC4A	0.758789	0.435233	0.836965	1.06122	0.25257	0.999914	0.495063	0.867019	0.198026	2.22217	4.48683	0.25854	2.09814	0.623191	1.7643
CLEC4C	0.0352253	0.00848605	0.0145704	0.0363007	0.0273586	0	0.0603287	0.0313054	0	0.0442114	0.0596475	0	0	0	0.177058

CLEC4D	0.0119664	0	0.0197989	0.431611	0	0.397381	0	0.0319043	0	0.255324	0.553852	0	0.424637	0.0500334	0.120297
CLEC4E	0.0643458	0.00516713	0	2.12193	0.0666342	0.73966	0.0122447	0.0476543	0	0.632625	0.956406	0.0230206	0.768039	0.16815	0.462044
CLEC4F	0.149672	0.207329	0.340503	0.0964009	0.174369	0.0637219	0.288378	0.108076	0.0113927	0	0.0105601	0.0535472	0	0.0146672	0
CLEC4G	0.0510508	0.0491942	0.0422329	0.736531	0.713696	7.54914	0.097147	0.136109	0	0.640741	1.44075	0.0487043	0.845403	0.391327	0.659839
CLEC4GP1	0.0837216	0.0749141	0.0692604	0.110928	0.873184	0.886006	0.16387	0.127551	0	0.0150113	0.0675081	0.00855787	0.02315	0.137521	0.360705
CLEC4M	0	0.00463838	0.0159281	0	0	0.0409859	0.0109917	0.00855558	0	0	0	0	0	0.0201257	0
CLEC5A	0.294608	0.71604	1.0832	0.79611	0.142373	0.18396	0.179399	0.70983	0.358799	3.06492	3.79875	0.159271	0.98419	0.633007	0.526516
CLEC6A	0.0286957	0	0	0.0443576	0	0.024434	0.0327638	0	0	0.054024	0.129575	0.0102663	0.111086	0.0149976	0.164842
CLEC7A	3.03758	2.20719	2.5061	9.63634	2.90756	8.6052	0.92798	2.5974	3.91939	7.51161	10.0462	4.55253	4.85191	4.14912	4.04401
CLEC9A	0.173206	0.025678	0.0991998	0.151034	0	0.0340346	0.0152124	0.118409	0	0.0167225	0.0752033	0.00953337	0.0945593	0.0348174	0.13394
CLECL1	0.201361	0.0646791	0.155474	0.0830032	0	0.160026	0	0.071581	0.0326979	0.101091	0.0606163	0.038421	0	0.021048	0.0578359
CLGN	0.0164019	0.0395134	0.0407064	0	0	0.041898	0.0187271	0.0291533	0	0.113223	0.259219	0	0.0793681	0.00428617	0.0942207
CLHC1	0.368566	0.501094	0.428677	0.270762	0.102032	0.124289	0.17916	0.502678	0.164438	0.247325	0.197734	0.206275	0.0729873	0.343299	0.508345
CLIC1	4.69459	4.80754	5.63993	11.9343	6.13145	13.0947	7.43032	3.48979	8.64998	12.8435	22.9158	5.06743	16.0554	9.21187	6.59481
CLIC2	2.95516	1.3659	1.77669	1.62007	0.453701	4.38155	1.68705	2.12242	0.324334	2.08094	3.74331	0.442569	2.35561	1.19429	3.3187
CLIC3	10.3332	17.1443	16.979	35.8477	60.4901	19.7545	22.0687	10.8783	137.6	69.7412	116.167	58.722	68.598	33.7129	10.6291
CLIC4	15.1051	6.94842	8.28605	24.409	3.75382	30.7945	8.87355	11.7682	8.14294	24.8019	33.7736	7.3386	35.7501	22.0197	31.5948
CLIC5	0.299107	0.223579	0.210442	0.126752	0.37343	0.802142	0.325552	0.146574	0.0204268	0.0491191	0.0473347	0.0320028	0.0486965	0.0525958	0.461672
CLIC6	2.06169	0.671335	0.848103	2.66747	2.00598	6.3082	0.918309	1.19298	0.068981	0.305682	0.460364	0.190479	1.88201	0.790388	1.00051
CLINT1	8.84468	11.3966	10.4258	11.1102	7.88393	11.8383	7.56096	9.6678	26.7904	12.9347	12.3581	11.8787	14.6586	10.5268	7.85665
CLIP1	17.5229	21.442	22.3166	36.832	21.3876	30.0064	11.1272	16.2545	55.4344	45.1034	23.3823	43.5958	71.5482	37.1216	19.5445
CLIP1-AS1	0.774879	1.02049	1.00429	0.958242	1.80548	0.417873	0.943714	1.14775	0.408943	2.07478	0.14579	2.56894	0.116655	2.8079	1.74342
CLIP2	1.8388	2.95855	3.83733	3.82414	6.66252	6.79775	3.10647	1.64525	1.58585	2.29744	2.93989	0.934687	3.70943	3.78979	6.21346
CLIP3	1.35873	0.792965	1.12404	1.05837	2.18985	6.28981	2.20686	1.47965	0.201992	1.49718	3.22611	0.424485	1.15651	1.57696	3.12392
CLIP4	5.15137	6.65119	7.62187	4.26447	3.39853	3.57319	7.54022	6.89299	8.76368	5.1375	4.32729	6.43514	7.91145	3.46791	2.19558
CLK1	9.47919	9.81634	9.50722	9.19029	5.83676	10.3828	5.20262	8.97194	13.0082	11.1702	16.0238	11.4311	9.10709	10.6833	8.03314

CLK2	4.47141	6.24314	6.77434	7.42081	5.84029	7.21677	4.54748	4.69118	4.2298	4.519	5.2515	5.67688	4.73512	6.36143	7.07741
CLK2P1	0	0.00615379	0	0	0	0	0	0	0	0	0	0	0	0	0
CLK3	3.23885	4.22356	4.04347	5.41842	6.93895	8.03718	4.00538	2.78123	8.12472	5.20545	7.30297	4.99616	7.21351	5.79498	4.05939
CLK4	3.13867	3.41147	2.7569	2.49246	2.13659	2.50747	1.63371	3.0109	3.71012	2.82706	4.37685	2.64212	1.9774	2.54745	2.74429
CLLU1	0.00817487	0	0	0.0168489	0	0.00696079	0	0.00726514	0.0199121	0	0	0	0.0158232	0	0.0704409
CLLU1OS	0	0	0	0.368808	0	0.0507887	0	0.0530093	0.0363217	0.0374316	0.134668	0.0213395	0	0	0
CLMAT3	0.458263	0.260456	0.388919	0.169535	0.620904	0.370147	0.402529	0.261045	0.0143105	0.0589965	0.106106	0.142899	0.0682201	0.399155	1.77178
CLMN	2.53031	0.857072	0.843906	1.6199	0.561089	1.66921	1.6414	1.21147	0.141481	1.17099	0.651604	1.08059	1.35967	0.898392	2.234
CLMP	2.93694	1.35468	2.20935	4.64885	2.70075	7.10216	2.2713	1.74703	0.352917	5.7504	10.3707	0.930244	8.16068	7.73625	9.51538
CLN3	3.69485	4.55602	4.31766	4.47116	8.86857	8.16955	6.15978	2.97955	7.26657	3.77473	8.21505	3.88057	5.36322	3.12825	3.29956
CLN5	3.75248	2.71997	3.22056	3.126	1.39945	4.9265	2.65184	3.65075	2.90916	3.59974	6.2235	1.65003	4.61285	2.8295	3.44234
CLN6	5.34706	4.88402	5.23471	9.39303	5.80446	13.193	6.3526	3.9539	3.08005	4.14586	7.59764	3.82596	6.79989	4.40231	5.54433
CLN8	3.37994	4.2898	4.53736	2.78783	6.17288	2.80101	5.30396	3.15873	12.8642	4.1976	4.79948	5.62916	6.21724	3.88057	2.3366
CLNK	0.0372674	0.0837947	0.0856395	0.110948	0.0128643	0.0105776	0.033095	0.0993605	0.0201722	0.00519716	0.0280468	0.0296287	0.0480895	0.0259701	0.101095
CLNS1A	10.7423	9.76505	9.83081	19.4279	7.39782	17.3998	7.97411	8.1405	7.37534	12.4896	22.6044	8.13274	14.0581	11.9445	8.78438
CLOCK	4.2707	3.62252	3.19354	5.3673	1.12614	3.92908	2.52607	4.45635	3.03956	4.20976	4.75064	3.30179	5.30532	4.71333	3.32694
CLP1	2.382	1.72757	2.40615	3.82421	1.92793	4.40878	2.13281	1.72697	3.3896	3.03686	4.359	1.93762	3.99583	2.64714	2.7907
CLPB	1.62179	1.49028	1.5681	3.60354	2.90187	4.04959	2.56271	1.56903	1.71681	1.63185	1.73811	1.8802	3.5674	2.88621	1.98514
CLPP	6.65539	6.33583	5.18976	12.5775	8.93263	19.7574	7.73665	3.91339	18.9292	8.45414	18.4763	9.76879	10.4042	9.07956	5.5442
CLPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLPSL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLPSL2	0	0	0	0.0390337	0	0	0	0	0	0	0	0	0	0	0
CLPTM1	15.0461	14.1257	14.4553	20.9451	17.4746	34.9396	23.5592	14.5879	39.5263	21.2355	33.8048	20.9426	37.7489	17.1878	14.2725
CLPTM1L	8.23259	8.04599	8.91032	14.6128	13.2536	17.3773	10.2338	6.20941	12.5016	10.7912	13.2901	8.19597	17.8807	10.8424	8.31245
CLPX	6.78794	6.63094	6.59697	12.1514	6.79151	9.6372	4.60424	5.88378	16.3649	10.7111	8.70479	6.92079	15.5962	6.2203	4.51349
CLRN1	0.00686737	0.0132352	0.0113624	0.0141541	0.0106674	0	0	0.0122063	0	0	0	0	0	0	0

CLRN1-AS1	0	0.00758291	0	0	0	0	0	0.0139868	0	0	0	0.00563056	0	0	0
CLRN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLRN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLSPN	0.225249	0.151939	0.101453	1.22769	0.0855284	0.632928	0.151451	0.0956426	0.198125	0.534008	0.41532	0.266828	1.42746	0.708965	0.409748
CLSTN1	28.2922	31.6332	29.9079	45.5568	41.131	60.3215	32.8621	26.9822	21.2287	33.6537	20.4064	31.123	70.3341	31.7753	27.2897
CLSTN2	5.73599	0.931888	0.949043	0.210064	1.20027	2.55508	1.99722	2.17388	0.0808273	0.107096	0.246165	0.0644469	0.0948147	0.156088	0.878224
CLSTN2-AS1	0.344647	0.0996337	0.0356395	0.00887922	0.0133839	0.0366828	0.118052	0.0918881	0	0	0	0	0	0.0135096	0.0247478
CLSTN3	2.99553	2.42963	3.09525	4.66622	7.02455	9.07993	3.04384	3.00651	0.521174	2.30082	3.4795	1.70064	2.20507	3.93816	7.13394
CLTA	20.9523	16.789	17.2404	48.3357	43.7733	53.4742	19.818	14.81	40.0668	43.2883	75.7127	29.1398	58.8812	33.0671	22.561
CLTB	25.2957	26.9069	25.3625	46.6745	63.9055	26.4288	29.1399	18.5742	105.863	51.5675	62.2651	45.2777	71.1329	33.1337	12.2607
CLTC	21.2836	18.3282	19.2478	35.652	11.5587	34.0567	20.1557	19.6825	34.8502	41.5443	39.7484	24.0718	49.4886	27.7476	27.974
CLTCL1	1.13742	1.10617	0.840266	1.37976	1.27784	2.14071	0.958433	0.846726	0.230024	0.974553	0.895493	1.02708	0.915294	1.56843	2.21213
CLTRN	0.102533	0.0846887	0.205997	0.0905681	0.0455053	0.0498886	0.133792	0.117157	0	0.0735365	0.0330704	0.0524034	0.018901	0.0459325	0
CLU	30.3385	9.17926	11.5234	19.0552	16.2819	124.063	24.6635	9.61441	0.426667	2.26009	4.61134	0.596602	6.4284	2.79775	9.71034
CLUAP1	1.59068	1.51204	1.73524	1.61146	0.871089	2.30486	0.843449	1.02072	0.453124	0.73091	1.24784	0.474561	0.946283	0.81163	1.54876
CLUH	10.5437	11.0162	10.7052	16.408	23.1701	24.4514	13.7735	8.11444	12.2422	7.01151	4.23091	13.7827	18.9363	11.9034	5.8978
CLUHP3	1.64191	2.36701	1.81107	1.46374	4.35195	1.25382	1.77053	1.2739	1.31723	0.932249	0.720808	1.68765	0.554897	1.23271	1.53456
CLUL1	0.0508415	0.0293955	0.0504716	0	0.0315898	0.0259745	0	0.036147	0	0.0382868	0.0229575	0.00727569	0	0	0.0876178
CLVS1	0.25067	0.332108	0.144233	0.0922026	0.371374	0.0579027	0.184874	0.33698	1.32672	0.313602	0.382681	0.326316	0.0135619	0.0326521	0.0301188
CLVS2	0.0241977	0.022346	0.0250225	0.00207803	0.00313228	0.020604	0.0207211	0.0286732	0	0	0	0	0	0.0010539	0
CLYBL	0.715846	0.667069	0.878534	0.834979	0.574307	0.917649	0.736495	0.433444	0.335315	0.0987318	0.204245	0.146345	0.121809	0.291905	0.316321
CLYBL-AS1	0.172548	0.0727444	0.107058	0.066681	0.134014	0.055096	0.19701	0.191683	0.0262681	0	0	0	0	0.0225453	0.0619503
CLYBL-AS2	0.170671	0.115125	0.141191	0.140706	0	0	0.194867	0.303357	0	0	0	0.073272	0	0.10704	0.343148
CMA1	4.33159	1.14488	1.26955	4.00469	3.19121	0.590126	3.1087	2.99166	0.994787	0.65239	1.36915	1.06264	1.50116	0.931424	2.02617
CMAHP	2.30065	2.62814	2.95373	1.5548	1.38919	4.08653	2.33841	1.82014	0.673462	1.15674	1.91125	1.11862	0.638675	1.2381	2.83342
CMAS	5.34766	5.1656	4.54121	11.1812	6.20503	10.5771	4.39909	5.62288	16.8235	13.731	13.8339	8.66704	16.9108	9.37478	5.90334

CMBL	0.87647	0.591529	0.615005	0.604112	0.675443	1.2368	1.24709	0.544017	0.0905395	0.474135	1.2201	0.110478	0.335753	0.391869	0.715665
CMC1	1.7429	1.40314	1.51485	3.27392	1.3708	3.56924	1.23429	1.07838	1.80023	2.13214	4.45805	2.09953	2.43406	2.29458	1.67924
CMC2	1.86724	1.47697	1.41139	4.07341	1.00212	2.8846	1.16294	1.17886	2.97178	2.99455	7.19164	2.18947	3.40277	2.85626	2.06813
CMC4	2.96549	2.16304	3.12452	2.9308	1.75837	5.6627	1.45116	1.36538	1.90033	2.92302	6.99386	1.40371	1.82167	2.64189	2.33804
CMIP	7.19004	10.9676	11.2077	24.9415	18.1936	24.6301	12.9566	10.3045	23.4045	20.1643	20.1905	19.1925	43.6749	18.0125	16.6219
CMKLR1	2.84444	0.417107	0.586576	2.29404	1.55605	5.16699	3.03118	1.29693	0.16568	1.88852	3.22964	0.244823	1.28199	1.87229	2.33258
CMPK1	13.7816	9.42783	10.4898	17.4045	5.91297	17.4988	8.24806	13.5318	15.6595	14.9374	21.0987	9.69102	23.2157	11.7056	12.1464
CMPK2	0.574394	0.18271	0.239896	2.52863	0.606371	7.96785	0.331096	0.287451	0.169793	0.384959	0.843574	0.111727	0.611663	0.160303	0.552604
CMSS1	4.06642	2.24863	2.45441	7.31936	1.60663	7.08034	1.87347	2.26048	1.60123	3.97622	6.30977	1.85683	6.10147	4.00057	2.5125
CMTM1	0.55891	0.428872	0.684993	0.490644	1.12542	1.39405	0.259986	0.331142	0.151265	0.623547	1.13045	0.0888702	0.394873	0.551766	0.683753
CMTM2	0.435839	0.241493	0.162251	0.606345	0.372355	0.148444	0.622034	0.251769	0	0.738481	2.73065	0.0155927	0.210901	0.0683366	0.187776
CMTM3	5.051	2.95939	3.46512	4.18954	5.87762	11.6511	5.16425	3.65212	1.8326	5.38968	15.2879	1.28446	4.76342	4.44733	10.4638
CMTM4	4.49059	4.26546	4.25746	2.84713	4.5706	3.87467	4.38501	3.57279	2.17721	3.32801	3.01262	2.37875	4.75897	2.73295	3.36171
CMTM5	0.016519	0.0159182	0.0409969	0.0170233	0.0513193	0.0703283	0.0754432	0.0587227	0.0402365	0.020733	0.130535	0	0	0.00863353	0
CMTM6	9.52262	9.56056	11.3588	17.3168	5.66044	13.4301	8.81585	18.5023	22.1985	14.5407	23.9291	8.84549	16.7328	9.86403	9.28169
CMTM7	1.62388	0.590909	0.789121	1.48621	1.14656	3.78069	1.2447	1.05967	0.235111	1.12596	3.23045	0.195009	0.989102	1.0683	2.46256
CMTM8	1.22221	0.81683	1.09263	0.812592	1.62292	3.27314	0.922814	0.981079	4.29747	0.816481	1.9138	0.874521	0.903029	0.803624	1.38721
CMTR1	4.83176	5.08324	5.97486	6.67372	7.47924	11.0237	5.58722	4.07462	3.73166	3.61326	3.31322	3.69014	4.35208	3.63688	4.72272
CMTR2	2.15487	2.44355	1.99423	4.00953	1.25945	3.14611	1.6216	2.67433	4.49326	5.75749	6.3394	3.6989	7.5554	4.88034	2.56325
CMYA5	0.569062	0.670321	0.723231	0.266393	0.437792	0.35768	0.606694	0.539238	0.42414	0.157717	0.0952454	0.199094	0.0613857	0.134166	0.337726
CNBD1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNBD2	0.0614615	0.0619183	0.0785791	0.0460639	0.0781126	0.0381997	0.0701748	0.0993125	0	0.0420766	0.012615	0.0399949	0.018025	0.0380585	0.0481454
CNBP	45.0554	36.1465	34.8741	47.7427	29.1183	56.7735	30.9371	32.243	80.3934	57.715	80.457	43.4289	73.7541	37.8946	22.0394
CNDP1	0.157937	0.0304386	0.00871045	0	0.0490662	0.0537926	0.0841528	0.0748594	0	0.0528606	0	0.00753388	0	0.011006	0
CNDP2	3.9628	4.65608	4.17725	13.198	10.3285	16.7763	4.07169	3.37618	8.09278	15.8195	9.73575	11.6416	21.9792	11.4148	7.45608
CNEP1R1	2.06997	2.02553	2.40975	2.86987	0.563518	2.9073	1.47409	2.19046	3.30068	3.77651	5.02278	1.99263	3.39391	2.30312	1.82348

CNFN	49.6173	50.4315	43.3676	683.146	334.64	159.514	94.1355	70.818	1262.05	635.071	1157.05	731.941	799.529	337.256	78.3698
CNGA1	0.436661	0.837868	0.823874	0.323679	0.202296	0.437041	0.314884	0.585507	0.205258	0.490365	0.25944	0.405628	0.499209	0.34433	0.154025
CNGA2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNGA3	0.0360858	0.00289778	0	0.0247917	0.0093423	0.179239	0.0343347	0.0213801	0	0	0.033947	0	0.131934	0	0.0345492
CNGA4	0.121104	0.040845	0.0400744	0.0249603	0.0376234	0.0103119	0.0276546	0.0645765	0.0294983	0.0151998	0	0.0606574	0	0.0189883	0.0173921
CNGB1	0.0438177	0.0334274	0.00906227	11.2738	1.1344	1.36804	0.00833827	0.0421867	0.324637	1.132	0.527624	1.70089	2.02609	1.9275	0.555862
CNGB3	0.117126	0.0436074	0.00880863	0.0164593	0	0.00453324	0.018236	0.127749	0	0.0133641	0	0.0076188	0	0.0139125	0.00764581
CNIH1	7.51377	5.14044	4.96466	14.3969	1.79367	11.3001	5.45935	7.76164	17.9057	16.2687	24.6569	8.8674	18.4995	10.1066	8.058
CNIH2	0.368413	0.403425	0.263217	0.44869	0.598285	0.827025	0.592723	0.53577	0.244738	0.504433	0.378084	0.215681	0.205285	0.23631	0.240495
CNIH3	0.325397	0.191977	0.120862	0.164244	0.495139	0.520216	0.242631	0.182954	0.242631	0.416742	0.757156	0.128294	0.424174	0.190891	0.343331
CNIH4	4.36367	4.36922	4.56882	7.10669	1.73996	4.5201	3.80345	4.12045	7.16502	7.72626	13.9645	4.62773	7.00083	4.37293	2.93756
CNKS1	1.96327	2.94678	3.34561	7.10453	5.31228	5.82399	2.16929	2.2031	1.31122	6.23409	1.57285	3.63168	8.14874	4.41645	0.831559
CNKS2	0.192618	0.131476	0.156691	0.00661661	0	0.051937	0.212594	0.0741792	0.00781957	0.00402926	0.00362403	0	0.00414254	0	0.0184416
CNKS3	4.766	4.39135	3.94277	5.18152	7.18323	6.78374	3.63855	3.03983	6.69279	5.32408	3.22173	5.70055	6.05861	4.64873	3.95622
CNMD	0.0320098	0.0462684	0.0662018	0.032987	0	0.0136279	0.0365477	0.156462	0	0.0200878	0.0180675	0.0801634	0	0.0585539	0.0689551
CNN1	8.39356	1.6539	2.69923	0.374994	5.31323	15.4712	16.9927	1.78943	0.324992	2.98386	9.14668	0.347159	1.97995	2.79566	6.61941
CNN2	14.9593	19.6491	20.2276	66.5082	26.6229	71.0236	21.4464	14.6264	45.3102	42.5452	71.6827	37.3761	86.7811	46.6013	34.4365
CNN3	24.4476	9.23048	10.2171	18.3249	12.821	54.806	14.6673	13.9604	20.2892	29.5928	66.3452	9.35086	35.1954	22.5836	55.7816
CNNM1	0.307447	0.316633	0.397409	0.138614	0.196998	0.595565	0.491446	0.331295	0.0374436	0.0482347	0.0347069	0.0522467	0.0719066	0.0702997	0.0993448
CNNM2	1.64051	1.68557	1.49842	1.02395	2.86982	1.43653	2.04443	1.28318	1.48113	1.14966	1.35535	0.877594	1.31555	0.862812	1.99181
CNNM3	2.02431	2.77858	2.88586	1.95997	3.59785	2.79395	2.38653	1.76556	1.82324	0.862664	0.951279	1.14528	0.996262	1.07522	1.30485
CNNM3-DT	0.836496	0.214953	0.184536	0.114938	0.346498	0.427359	0.0636723	0.247803	0.339586	0.0699925	0.18886	0	0.0359802	0.0874379	0
CNNM4	3.37985	3.14077	2.74819	2.12659	4.28394	4.36816	4.89945	2.32243	42.2432	3.15885	6.6076	4.07432	1.8167	1.51699	1.59257
CNOT1	14.1326	16.1638	16.1774	19.6291	8.7239	22.6407	14.4957	14.4256	18.9584	12.9309	12.6726	13.6686	17.917	12.7461	11.1603
CNOT10	3.19561	3.08284	3.1356	3.7362	1.9811	3.73986	2.52787	2.94824	3.2985	2.65289	3.4295	2.65054	3.65204	2.79358	2.07856
CNOT11	4.67824	5.47348	5.41368	9.52847	6.1105	8.65562	5.69826	4.93361	11.4287	8.08653	9.21348	6.22789	12.5835	6.67706	4.79142

CNOT2	6.77512	7.76132	9.18272	9.33576	3.11513	7.96807	4.96928	7.70757	9.01342	9.53561	10.462	6.64256	9.91654	6.80223	4.80274
CNOT3	4.09633	6.00985	5.48437	9.25235	9.71262	11.6516	6.85541	4.78747	6.59975	6.12732	6.72371	6.21769	11.6423	7.66709	7.48307
CNOT4	3.16134	3.01324	3.07011	3.19588	1.38112	3.33189	2.84935	3.17217	2.54759	2.58231	3.07417	2.46793	3.60268	2.60634	3.15831
CNOT6	3.56805	3.33447	2.70703	6.36792	1.4239	5.39217	2.31841	3.52476	5.58197	5.61045	4.3206	4.25681	7.75218	4.97986	3.63465
CNOT6L	5.83493	5.36608	5.72301	4.7338	2.52143	5.35475	4.02471	6.76697	4.57383	4.12889	4.6461	3.32976	3.73216	3.40973	4.1347
CNOT7	6.15072	4.42716	4.61766	7.22345	1.41729	6.65396	3.58489	6.17218	5.29461	5.37555	7.57956	3.63679	7.18543	4.94536	3.79229
CNOT8	8.82747	5.48342	6.47199	8.14244	3.22853	8.66982	4.45289	7.15334	6.28557	7.7771	10.51	4.0605	9.44713	5.63074	4.8295
CNOT9	6.64054	5.71707	5.52831	8.88957	3.35452	9.85314	6.25326	4.94729	5.55237	7.18264	11.8303	5.55413	10.4226	7.17965	5.63414
CNP	5.5779	6.46962	6.35307	14.6013	11.375	17.5598	6.49224	4.6284	6.66871	6.83691	9.56578	5.50265	9.18029	5.7098	6.80991
CNPPD1	8.32555	10.0346	10.959	14.1127	18.5879	21.8197	11.5192	6.71293	21.3369	17.3203	15.2118	12.8307	26.3715	9.79848	5.68219
CNPY1	0.0103595	0	0.00857008	0.0106757	0	0	0	0	0	0	0	0	0	0	0
CNPY2	4.53557	4.02977	3.94456	9.48971	7.4723	8.31809	4.61122	3.45769	4.3006	7.60342	17.8666	3.82781	5.10231	6.44286	5.73931
CNPY3	2.38335	1.85989	2.1008	3.53878	5.49263	4.69264	2.72808	1.87269	0.979574	1.69535	4.37122	0.88489	2.34337	2.1932	3.16413
CNPY3-GNMT	4.65E-06	1.71E-09	3.83E-07	6.55E-12	5.90E-10	3.21E-08	1.88E-07	3.85E-07	0.00282894	3.44E-05	0.00011361 6	1.56E-06	9.83E-07	2.14E-06	1.62E-06
CNPY4	1.69682	1.87051	1.64258	1.7063	5.92355	2.58779	1.17295	0.976061	3.25175	2.55882	5.79942	1.41412	1.48907	1.50631	4.16394
CNR1	0.586835	0.127329	0.080376	0.0760944	0.0965888	2.34288	0.173054	0.348838	0.00946621	0.0195109	0.136002	0.0583961	0.0451338	0.0528102	0.167438
CNR2	0	0.0251283	0.0323587	0.0537455	0	0.0444079	0	0.0231748	0	0	0.103031	0.00932928	0.0168245	0	0
CNRIP1	2.68267	1.05623	1.49057	1.74333	1.67928	5.4379	2.43439	1.61908	0.304775	2.50014	7.09641	0.558667	1.97626	1.62181	4.34143
CNST	4.01802	4.05222	4.52832	4.59502	2.50042	3.07065	4.4879	3.6522	15.1212	4.8133	7.40944	4.74704	4.50049	3.82169	3.16593
CNTD1	0.684152	0.405461	0.387178	0.285656	0.25148	0.199212	0.410097	0.696227	0.130833	0.0737519	0.0575555	0.270097	0.177575	0.376792	0.555137
CNTD2	0.0254739	0.0490949	0.0210738	0.0131258	0.0989245	0.0325361	0.0872559	0	0.0155122	0.0479586	0.0287569	0.0729091	0.164356	0.0399413	0.0731675
CNTF	0.315694	0.238328	0.117725	1.07E-08	0.0452133	0.0614109	0.0679796	0.45801	0.0388873	0.354866	0.141624	0.385591	0.0296601	0.301102	0.311275
CNTFR	1.28268	0.892687	1.58715	0.259849	0.170294	0.522755	1.86508	0.769702	0.0267036	0.151358	0.594046	0.0392219	0.0424399	0.200542	0.377865
CNTFR-AS1	0.209439	0.252278	0.151605	0.0269792	0	0	0.298914	0.0697996	0	0	0	0	0	0	0
CNTLN	0.836521	0.498241	0.636388	0.651959	0.205685	0.830405	0.32877	0.622016	0.158706	0.601462	0.906364	0.216562	0.419028	0.647015	1.42774

CNTN1	0.639696	1.66467	0.935272	2.13105	2.21854	2.09788	1.9489	1.42128	5.57307	8.68872	5.20867	3.69123	3.37948	3.7637	0.909588
CNTN2	0.225911	0.0840469	0.175061	0.0589388	0.0666301	0.21671	0.254673	0.14486	0.0174136	0.0861393	0.00645635	0.069569	0.0147602	0.0388589	0.061602
CNTN3	0.411682	0.389947	0.468286	0.255514	0.203472	0.601497	0.443338	0.320135	0.0284876	0	0.0316866	0	0.0573487	0.0195602	0.315769
CNTN4	0.421985	0.199154	0.154566	0.115454	0.154644	0.374621	0.526851	0.143326	0.0431587	0.0495442	0.0535555	0.0656772	0.0050788	0.0734249	0.413948
CNTN4-AS1	0.0264981	0.0115575	0	0	0	1.36E-38	0	0	0	0	0	0	0	0	8.13E-37
CNTN4-AS2	0	0.0261753	0	0	0	0	0.0620281	0	0	0	0	0	0	0	0.0780196
CNTN5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNTN6	0.0159828	0.030803	0.0528883	0	0.0413779	0.0317546	0.00608287	0.0142042	0	0	0.00601419	0	0	0.00835329	0.00765109
CNTNAP1	0.99718	0.56837	0.638888	1.19379	1.89831	2.85437	1.60366	0.663715	0.222219	1.03853	1.74362	0.418997	1.34698	1.28407	4.36935
CNTNAP2	0.121658	0.137523	0.0154837	0.376116	0.276196	0.0577713	0.0747949	0.110199	0.683841	1.01306	1.17264	1.55517	1.00079	0.602822	1.01134
CNTNAP3	2.77289	5.58988	7.94251	2.24893	2.59974	1.41113	4.763	6.62592	0.497016	2.01851	1.42614	7.9658	1.32118	2.34126	1.62601
CNTNAP3B	0.979269	1.97742	2.53934	1.31986	1.45413	1.67714	1.90834	0.929086	0.146832	0.302828	0.474414	2.4257	0.370357	1.42832	1.24482
CNTNAP3P2	0.585227	1.18211	1.44245	0.541785	0.0600561	0.343924	0.416732	1.796	0.06098	0.82786	0.401821	1.11025	0.343569	0.576024	0.500429
CNTNAP4	0.0129689	0.00156216	0.00536441	0	0.0352541	0.380979	0.0111056	0.00576285	0	0	0.0146403	0	0	0.00338906	0.0791563
CNTNAP5	0.0344519	0	0.00712526	0	0.0133789	0	0	0.00382725	0	0	0	0	0	0	0
CNTRL	1.72927	1.76595	1.83787	1.54404	0.91112	2.08058	0.704408	1.24243	0.247989	0.797217	0.936611	0.737185	1.14317	1.20558	1.54943
CNTROB	2.2977	3.26187	3.15031	3.15713	5.79879	6.1704	2.83136	1.97061	2.83095	1.97635	1.52969	2.44119	2.5226	3.01479	2.60753
COA1	3.2643	3.12174	2.99002	2.51709	1.82612	2.23527	2.31096	2.66097	1.49662	2.01031	2.78307	2.17236	1.5759	2.8514	2.36037
COA3	7.7048	7.9352	7.74827	19.4811	12.5911	19.5597	10.0725	6.1601	16.5346	15.2784	34.403	12.1122	12.4924	14.0416	9.0495
COA4	5.61559	6.29958	5.41988	16.192	7.66563	15.3591	7.09173	4.91506	9.36067	10.2163	22.0275	6.43303	12.3883	9.96106	7.61666
COA5	4.70196	3.41399	3.72726	3.46879	1.42413	3.07802	2.84129	2.99144	2.7755	2.33427	4.27295	1.8087	1.64782	1.97828	2.59571
COA6	0.997545	1.39433	1.04888	3.77556	2.59195	4.463	1.13701	1.37007	2.18571	3.27802	6.01953	1.88176	3.88507	3.06181	1.82331
COA7	2.39751	2.49492	2.26414	5.11063	2.5848	5.06167	2.43741	1.83883	3.99985	2.51447	2.97837	2.30297	5.53761	3.82206	2.16964
COASY	5.98265	6.57182	6.46176	12.6104	13.7357	16.3845	9.35229	4.18271	11.7064	6.94078	9.75747	8.43845	14.2602	9.56473	5.96619
COBL	2.57736	4.37623	4.50965	2.60643	3.47602	1.68101	4.53709	2.96622	3.26858	3.35573	0.760996	3.60311	5.07207	1.32718	0.946282
COBL1	4.66941	4.29169	4.37884	3.41896	1.91552	3.62056	2.83492	4.07813	5.03978	4.35744	4.51092	3.75176	5.56486	4.4136	3.30693

COCH	0.248665	0.159211	0.194097	0.22159	0.0460348	0.151703	0.595983	0.534058	0.0795348	0.0930959	0.0950086	0.00679343	0.0619973	0.143922	0.145191
COG1	5.33387	4.72607	4.50372	3.9993	5.18282	7.46622	5.9771	3.80935	2.94448	3.05212	3.51994	2.52017	3.65931	3.66794	3.27771
COG2	3.66692	3.05513	3.29873	4.75378	2.08894	5.09958	3.74935	2.8489	3.33276	2.65936	5.11039	1.75105	4.09109	2.62751	3.17766
COG3	4.13413	3.92797	4.04906	4.2292	2.33091	4.55348	3.33462	3.78595	4.40324	5.06867	5.13872	3.19588	4.56141	3.90027	3.61579
COG4	5.24038	5.37785	4.5252	7.23428	10.5223	7.52764	5.91777	4.38757	9.94782	7.12276	6.26754	7.30566	9.35475	5.34486	3.75705
COG5	4.14177	3.55355	3.83827	3.31359	1.48992	3.25049	3.33788	3.93744	1.92981	3.18076	3.43596	2.25901	2.83688	2.52632	3.31329
COG6	1.60233	1.46287	1.64262	1.50145	0.482401	2.27581	1.12033	1.28309	1.34792	2.08988	3.33426	0.895936	1.2619	1.39863	1.30478
COG7	3.05737	3.5954	3.59183	3.15071	3.88011	5.17308	3.24789	2.34598	2.91741	2.61096	3.13116	2.43571	3.26394	2.60691	3.58731
COG8	3.79886	4.67685	4.43989	5.31269	6.53537	6.31697	4.5148	3.3746	3.65668	3.37135	5.68574	3.35409	4.43873	3.66044	3.76362
COIL	3.16426	2.87554	2.69768	3.49637	1.54282	3.20325	2.11753	2.72621	2.40857	2.50423	3.17516	1.93079	3.50469	2.61849	2.20902
COL10A1	1.71638	1.12862	1.26861	0.724911	1.00526	0.610946	1.16458	1.30658	0.214177	11.4775	24.2595	0.679492	1.08925	1.13603	3.54588
COL11A1	0.505673	0.13602	0.169384	0.310109	1.55169	0.8136	0.109805	0.242621	0.230472	2.05977	3.15537	0.0488349	0.156123	0.338871	15.4952
COL11A2	0.0166236	0.0235431	0.0258375	0.0140163	0.0469494	0.0201598	0.0155293	0.0116399	0.00368103	0.010116	0.00909864	0.0122551	0.00130005	0.0136905	0.0361721
COL12A1	8.75219	5.89939	7.44067	21.3694	14.1977	26.7712	15.4361	7.5954	4.5325	49.913	90.3579	8.80658	37.7573	63.3491	226.339
COL13A1	0.599788	0.771808	0.786639	1.38695	4.01075	3.20752	0.801739	0.708556	0.311788	1.14755	1.0982	1.40264	2.00569	4.18604	3.44549
COL14A1	10.405	5.09825	5.53679	3.50072	24.7759	6.51369	13.6659	10.8606	1.35207	11.3865	20.4501	3.54772	4.12606	6.78591	59.2608
COL15A1	14.7856	4.28176	4.79522	24.9976	22.682	48.7707	9.45454	8.004	3.99756	30.0059	49.4999	6.30372	48.3837	26.0807	89.8338
COL16A1	7.56377	12.9878	16.2278	10.084	56.4538	10.4988	15.6679	7.63551	2.59445	8.71823	11.2381	8.58519	9.17459	12.466	43.9858
COL17A1	92.9805	132.991	153.175	206.266	158.703	207.865	147.955	79.5987	95.7669	113.046	39.7983	97.1054	210.216	107.714	43.7308
COL18A1	17.6679	14.2274	13.3236	25.2358	60.7976	55.7547	21.4752	11.3524	12.9826	27.5415	35.5951	18.7212	40.0844	38.6697	92.2172
COL18A1-AS1	0.21435	0.742303	0.421147	0.358952	2.44516	0.952505	1.13956	0.601253	0.106053	0.243809	0.0831785	0.987339	0.0561832	1.01176	2.90517
COL18A1-AS2	0.125777	0.343408	0.17342	0.129617	1.36763	0.642587	0.382956	0.111781	0.0510609	0.0526212	0	0.449986	0.081151	0.657368	2.52885
COL19A1	0.02122	0.0293943	0.039498	0	0.016481	0.0112928	0.00908561	0.0424318	0.00323045	0.0332916	0.0538981	0.00948967	0.0102683	0.0249536	0
COL1A1	124.138	168.933	182.75	206.812	2666.14	588.417	164.108	237.39	94.2343	611.254	999.385	289.636	379.436	633.929	3954.7
COL1A2	112.358	150.787	186.686	137.839	1329.99	411.954	145.193	148.881	69.6072	435.73	661.126	151.147	245.396	415.505	2206.04
COL1A2-AS1	0	0.0598426	0.0684993	0	0	0.0352522	0	0	0	0	0	0.0296234	0.0801348	0	0

COL20A1	0	0.00534548	0	0	0	0	0	0	0	0.0139247	0	0	0	0	0
COL21A1	1.59659	1.24975	1.59998	0.342562	1.11094	1.80978	1.23638	1.18616	0.325101	0.638463	1.05185	0.115322	0.0779897	0.321145	0.940311
COL22A1	0.00727883	0.0280564	0.0180647	0.0262537	0.00565327	0.0123957	0.0207768	0.0161721	0.0132972	0.0730855	0.123253	0.0911435	0.253598	0.152169	0.397226
COL23A1	0.755568	0.527864	0.725069	2.35926	2.8872	2.25818	1.23364	0.503615	0.294463	1.08108	1.04912	0.448722	3.14918	3.1394	2.17018
COL24A1	0.257145	0.312036	0.346668	0.12759	0.290947	0.216252	0.188484	0.177745	0.131456	0.557828	1.02854	0.111305	0.454712	0.275427	0.961986
COL25A1	0.156692	0.161528	0.25021	0.0225315	0.152831	0.127216	0.178906	0.165163	0.013314	0	0.0370226	0.0130369	0.00705327	0	0.0941984
COL26A1	0.0228988	0.0882639	0.151548	0.0471957	0.889243	0.207979	0.10458	0.0407011	0.204513	0.201182	0.00861663	0.0764619	0.0590967	0.0159572	0
COL27A1	2.37357	4.69014	4.16741	5.76238	16.0689	6.09095	3.86717	2.74674	1.18012	3.45885	2.12752	6.1022	4.50056	8.91603	10.3284
COL28A1	0.237027	0.323576	0.397618	0.0203553	0.327275	0.235463	0.466085	0.321826	0.144336	0.0165274	0.00743261	0.127199	0.00849603	0.0240879	0.0283667
COL2A1	0.0227472	0.0197279	0.0376363	0.0187534	0.0424012	0.019369	0.0259721	0.024259	0.0110814	0.0114201	0.0462219	0.00976576	0.0528351	0.0427993	0.0392015
COL3A1	142.366	125.024	140.784	215.663	1292.32	383.219	109.546	155.37	90.8306	725.167	1116.25	177.998	322.812	516.855	2319.16
COL4A1	14.4809	4.8842	4.57704	65.8757	47.2504	54.2817	8.32352	8.62554	19.5565	69.4123	102.163	28.0947	98.372	95.2691	168.224
COL4A2	20.1351	6.79427	6.91112	59.4339	59.6167	88.5993	15.1724	9.80168	18.7439	57.4601	81.0327	28.4532	94.9137	82.7432	163.883
COL4A2-AS1	0.472307	0.0827508	0.0710411	0.221239	0.466872	0.109681	0.490241	0.114477	0.0522925	0.161671	0.145412	0.337948	0.0277027	0.762986	0.863282
COL4A2-AS2	0.608627	0.197941	0.15105	0.125442	0.354528	0.259119	0.260592	0.121702	0.018531	0.0572917	0.137413	0.130647	0.00981708	0.739571	1.72628
COL4A3	0.251524	0.0771196	0.113497	0.0824736	0.0887962	0.608435	0.287182	0.190511	0.027848	0.0107621	0.00967974	0.0163611	0.112491	0.008963	0.238077
COL4A3BP	4.39541	4.20969	4.40981	4.57667	2.75794	4.97384	2.76092	4.2285	6.12081	6.18381	5.45017	3.95566	7.83573	4.22634	2.99353
COL4A4	0.642303	0.21566	0.179588	0.654993	0.271157	1.53974	0.319408	0.354031	0.0272562	0.10393	0.141479	0.0224188	0.720526	0.0877253	1.35632
COL4A5	3.95552	6.48303	7.44712	5.34346	8.92648	4.33036	4.43103	4.06173	2.61859	2.74768	2.2908	2.88621	2.42135	3.72966	1.69959
COL4A6	1.01761	1.57607	1.84759	1.09367	1.38246	1.19248	1.51849	1.21776	0.490825	0.547975	0.246432	0.425342	0.58505	0.953113	0.342444
COL5A1	12.0066	10.761	12.6891	23.4251	69.0823	35.178	18.0671	11.0022	6.94369	37.4993	54.4848	15.8621	30.7749	45.7972	175.129
COL5A1-AS1	0.0688781	0.199119	0.113962	0.141962	0.106992	0.234595	0.0786428	0.489705	0.167772	0.0864491	0	0.197137	0	0.971965	1.97835
COL5A2	10.6064	6.36377	6.05862	23.5123	54.0327	27.1107	5.91394	8.80579	7.24367	58.4333	83.1458	16.1509	34.0845	43.1845	156.518
COL5A3	7.23829	5.61327	4.9585	8.14301	26.0681	11.6755	8.20025	5.11359	5.00347	15.041	15.1447	12.7938	17.6211	18.2668	36.8001
COL6A1	70.2782	38.7225	47.6623	67.0385	208.922	269.592	75.0504	52.142	29.8868	121.674	205.252	67.9781	111.439	171.508	473.876
COL6A2	84.9422	44.9947	59.5997	79.0045	204.568	273.287	106.734	51.169	26.9644	129.486	187.326	60.1364	148.671	181.922	455.165

COL6A3	36.7381	11.4302	13.3802	44.6615	90.6955	123.341	32.6311	32.9118	9.99275	91.8699	168.604	27.6614	49.7905	80.2252	325.447
COL6A4P1	0	0.0148742	0.00851292	0	0	0	0	0.0457261	0.0125325	0	0	0	0.0132786	0	0
COL6A4P2	0.0126299	0.0146047	0.0104484	0.00780929	0.0196186	0.0107542	0	0.00448977	0	0	0.00855456	0	0	0	0.0362763
COL6A5	0.0451425	0.224753	0.361002	0.661625	0.128557	0.72392	0.0257711	0.343239	0.0397067	0.0157385	0.022649	0.0143558	0.0161809	0.00655373	0.0360168
COL6A6	0.205705	0.264687	0.28429	0.371598	3.21411	0.416251	0.320525	1.09043	0.0206315	0.021262	0.0628348	0.0103897	0.0140527	0.0240318	0.392733
COL7A1	8.0164	25.3563	22.0459	28.6903	90.6002	17.6213	21.6977	11.7295	9.72925	19.7521	12.9075	32.7234	32.3063	42.0502	57.3308
COL8A1	1.87929	0.847755	0.953872	1.3657	2.68659	4.31607	2.2312	0.692019	0.255321	2.0486	3.1104	0.605376	4.00467	2.93488	10.1612
COL8A2	1.65891	1.57889	2.13245	2.61956	5.48669	3.27274	3.11798	1.26563	1.38628	4.04887	3.45729	1.26735	11.0953	3.16398	8.78197
COL9A1	0.051942	0.03893	0.0477445	0	0.116543	0.0147426	0	0.0153872	0	0	0	0	0	0	0.0248651
COL9A2	1.68402	0.890163	1.16997	0.345402	3.06031	0.988433	0.6627	0.661128	0.109517	0.307809	0.286081	0.157932	0.152957	0.303351	0.516566
COL9A3	0.481954	0.651648	0.668725	0.970073	3.2681	1.46226	0.571444	0.314282	0.815758	0.537394	1.24507	0.497381	0.869141	0.290642	0.545731
COLCA1	0.213436	0.0706076	0.0526008	0.0801735	0.207407	0.175294	0.10993	0.0996441	0.00897918	0.0277607	0.0166458	0.026377	0	0.0443132	0.127058
COLCA2	0.247934	0.145383	0.201353	0.239374	0.418959	0.266956	0.131632	0.133637	0.0790399	0.0325821	0.117221	0.120736	0	0.0949736	0.167766
COLEC10	0.00630429	0.00911251	0.00521535	0	0.00979274	0.0322081	0.0215941	0.0112055	0.00767792	0.0158251	0.028467	0.00451089	0.0528774	0	0.0814838
COLEC11	0.212499	0.00465387	0.0399532	0.0199078	0.19505	0.0822454	0.0551419	0.10301	0	0.181846	0.490673	0.0069113	0.0810155	0.0100965	0.180331
COLEC12	6.71252	2.54751	3.58598	2.53411	5.13887	10.3435	4.95766	4.54141	0.548604	5.36636	11.5956	0.988073	3.0683	2.70549	9.43853
COLGALT1	7.59157	6.99523	7.36487	17.1457	13.887	19.8336	9.86534	6.36392	6.74417	17.1131	25.6464	6.47727	20.1762	15.2736	17.1606
COLGALT2	0.193815	0.112441	0.130887	0.0815231	0.165891	0.148191	0.302582	0.165216	0.0144517	0.0148933	0.0625122	0.0254718	0.0331761	0.0475471	0.147692
COLQ	0.419408	0.397529	0.392467	0.368443	0.854406	1.14747	0.400363	0.29941	0.0753626	0.103554	0.302703	0.172187	0.0443606	0.244355	0.720812
COMMD1	6.49299	6.56837	5.05943	11.6888	5.2731	12.3879	6.49065	4.40563	12.1077	12.1733	20.9858	8.57855	9.8734	6.78701	4.44957
COMMD10	1.07912	1.05003	1.00613	1.22073	0.316685	0.75424	0.874913	1.18083	0.483745	1.02793	1.15073	0.787229	0.950243	1.03246	1.13581
COMMD2	3.60655	2.59769	2.95326	4.28992	0.864071	3.49253	2.19153	3.13999	2.91833	4.01256	6.34159	2.15195	3.74278	2.69961	3.3096
COMMD3	7.58931	8.05155	8.05991	9.21205	4.00707	7.35259	5.78495	6.65401	10.9786	8.89462	21.3439	5.68459	5.97692	5.86121	5.71727
COMMD3-BMI1	0.703335	0.276596	0.288403	1.26139	3.50E-09	0.453857	0.0682863	1.0673	0.450718	0.363809	0.317574	0.119167	0.628999	0.319752	0.875812
COMMD4	3.57179	2.67758	2.64197	5.95427	6.49468	8.19368	3.65834	2.10064	2.39252	3.92918	9.55843	2.20993	3.11107	3.2339	3.60576
COMMD5	2.84898	2.83311	3.18555	4.63854	6.40577	4.82959	3.52023	1.84981	3.51726	3.9513	7.10781	2.9135	4.70028	3.40634	3.60574

COMMD6	6.35408	3.43941	3.64856	8.98463	1.80099	5.2556	2.80333	4.556	5.9943	7.83242	17.6952	3.9772	4.83303	4.78833	3.06897
COMMD7	4.98952	6.03342	5.68056	6.06533	7.07321	8.53824	6.44354	3.97146	15.1032	7.69112	15.6261	6.45571	5.76643	4.88632	5.32201
COMMD8	2.22559	2.00217	1.99567	4.08987	0.628566	3.47207	1.65261	2.37904	4.0563	6.83688	9.43473	3.18495	4.39821	3.31064	2.27983
COMMD9	3.41088	2.53949	2.63659	4.6522	2.80497	5.27644	3.58604	2.27005	3.20484	3.40931	7.09985	2.60071	3.91343	3.02492	2.54897
COMP	38.9147	7.41711	8.46403	14.444	62.7791	85.2534	41.1231	3.84175	1.86218	5.56772	3.56937	14.2295	33.0241	17.6698	106.378
COMT	8.21022	8.78439	8.13699	14.8018	18.0565	18.7488	9.90322	6.12623	9.98918	9.64998	18.4908	9.88794	13.0174	8.0377	6.26901
COMTD1	2.73994	3.62003	3.10777	8.98577	17.3723	7.38058	2.7152	1.85308	7.68127	5.81803	10.7576	6.30074	5.16998	5.17867	2.17781
COP1	9.35178	8.25994	9.61738	9.38926	6.54792	8.70487	7.28581	7.22707	9.45915	8.82128	10.5476	5.45054	8.35194	7.92787	6.85222
COPA	14.6133	12.7581	13.2982	22.4249	14.3593	27.354	15.341	10.7922	22.5641	23.1366	22.3031	15.6636	30.4584	17.0275	22.5902
COPB1	10.3346	9.16852	10.1454	16.4587	4.36242	14.1635	6.88512	8.54887	12.0351	20.4489	22.8365	8.65775	23.534	14.8355	12.7688
COPB2	11.8028	10.7889	10.4337	24.3192	9.53177	25.9896	9.94415	9.34606	20.9326	25.9264	28.778	12.5673	30.0443	19.0148	18.5589
COPE	17.0488	15.0564	15.3761	33.5141	35.7133	51.6983	20.4629	11.6926	30.9604	31.4297	60.9953	23.0663	34.8856	23.8837	20.1217
COPG1	12.8138	10.9874	11.08	21.8789	17.1793	29.527	13.7621	9.93589	17.9346	18.9457	19.199	14.9434	31.4665	15.6251	23.127
COPG2	4.5512	3.72331	3.58841	5.35034	1.78295	7.81878	2.52963	3.00092	4.77888	3.11575	4.48987	3.76265	4.09031	1.2835	2.24259
COPRS	3.89409	3.3612	3.8169	7.24615	5.47551	9.28725	6.25831	2.34543	6.47325	6.16147	10.4378	4.0012	6.81101	4.79387	4.21418
COPS2	6.6083	4.71216	4.73044	8.55162	1.12888	5.13755	2.99104	7.10954	10.5936	10.2032	12.8658	5.10733	10.6063	6.75442	5.64727
COPS3	7.14923	5.52428	5.75751	11.5513	2.80663	9.56334	5.08105	5.77876	9.71211	9.22498	12.5403	6.35249	13.4063	7.77611	5.28578
COPS4	4.4919	3.9051	3.97856	6.45295	1.21347	5.62288	2.84309	3.47134	8.02753	8.05833	12.7322	3.67698	6.60742	5.07812	3.52348
COPS5	6.34141	6.65745	6.24899	12.9899	6.22893	9.99196	4.43653	4.66881	12.039	13.8895	21.09	8.14072	13.598	9.62609	7.96869
COPS6	11.1411	9.08487	9.01521	18.4604	10.4189	23.0249	11.8491	6.92804	14.795	17.4281	30.1224	12.3644	22.0466	13.3094	11.5919
COPS7A	6.9881	6.07119	6.05514	12.6853	11.0109	15.9356	6.58022	5.45198	9.72127	10.1947	14.9614	7.0117	10.6952	7.83981	7.15198
COPS7B	2.96581	3.35379	3.15742	4.40917	4.88385	5.22317	2.8589	2.46293	1.35204	2.32904	3.38463	2.26707	2.91212	3.60832	2.42058
COPS8	5.17056	3.95051	4.16207	7.06345	1.48563	10.3154	3.65137	4.23215	3.87052	7.69002	12.5062	3.7068	6.44711	4.96741	5.83745
COPS9	7.23074	6.24618	5.09129	16.6875	8.9055	15.0435	7.29398	4.47122	16.672	14.7144	27.3144	13.4954	11.0516	10.6891	5.88105
COPZ1	13.2099	11.2501	13.0226	27.2379	10.6068	21.4427	15.2265	10.8133	15.3906	20.1028	33.8857	13.0263	25.5245	14.6106	11.4023
COPZ2	6.62309	5.6178	7.22906	6.20245	10.1706	18.5052	10.4373	6.22176	3.18967	12.6744	27.4618	5.13542	7.34403	5.85694	12.5857

COQ10A	1.11548	0.982247	0.922806	0.845637	1.01574	1.50661	1.03939	0.809031	0.515305	0.933363	1.33161	0.65137	0.926514	0.884551	1.2337
COQ10B	3.37414	2.61671	2.91788	2.95163	0.884537	3.73423	2.13488	3.04398	6.16917	5.39761	7.42611	2.88863	7.08483	2.92284	2.97821
COQ2	3.12138	2.37873	2.35591	3.61396	1.91239	2.99667	3.19474	2.91771	6.16422	3.46503	5.08193	3.01648	3.72291	3.55522	1.66092
COQ3	2.21368	1.46325	1.33187	2.28126	0.937804	2.4613	1.19065	1.18691	0.891245	1.60734	2.49897	1.13887	2.28993	2.33306	1.15605
COQ4	7.74145	9.79395	8.8566	10.9111	15.274	14.6147	10.1074	5.79417	11.4812	5.94384	11.2012	6.62426	6.49166	6.25232	5.21287
COQ5	2.14714	2.32768	2.20764	4.61503	2.64437	4.23111	2.18887	1.89457	3.10061	3.52259	7.46199	1.54731	3.41383	2.84554	2.09241
COQ6	1.67231	1.43154	1.42077	1.87702	1.59256	3.00107	1.57278	1.03656	1.58807	1.29451	2.97057	1.40409	1.34464	1.92997	1.94039
COQ7	2.34541	2.18721	2.10024	2.46899	1.68451	4.11584	1.90045	2.03958	1.44358	1.56155	3.38788	1.55189	2.16952	1.96393	1.78677
COQ8A	5.20798	4.40459	5.46735	3.8988	5.72924	9.65756	4.53654	3.91094	1.0025	1.23181	2.03716	0.906127	1.45028	1.34855	3.18269
COQ8B	2.65075	2.90268	3.11298	4.22166	8.1631	6.71596	2.96304	1.70504	2.81066	2.629	3.08653	2.57975	3.28895	2.73204	3.56722
COQ9	5.02872	4.88544	4.81756	8.48644	7.49207	9.04213	4.56827	3.76281	6.34135	5.17651	8.05888	4.89235	6.4448	5.5071	2.87301
CORIN	0.265362	1.725	2.404	0.201735	0.864942	0.559325	0.521526	1.13663	0.529805	0.163798	0.279917	0.249015	0.224538	0.263738	0.26864
CORO1A	3.38589	2.59727	4.01061	7.16691	8.66535	10.3273	2.3177	2.96567	1.40633	5.74869	13.5614	1.27269	9.33158	2.66802	6.56902
CORO1B	8.33808	8.31642	8.9682	18.9808	23.0879	23.2006	9.34659	5.15489	15.3106	15.2499	21.6371	10.5264	22.4462	14.2287	10.2782
CORO1C	17.5386	14.7463	16.2711	26.0213	11.3572	28.8345	18.5403	11.9839	26.5747	31.7881	30.0667	19.2504	64.1493	24.4471	22.4562
CORO2A	2.82105	3.46	3.84307	4.24063	3.20228	3.93163	2.5419	2.84284	4.45371	2.93546	2.07772	2.67703	3.42241	2.2305	1.04459
CORO2B	0.789088	0.602188	0.889371	0.327454	0.904898	2.1645	1.85029	0.809526	0.0773976	0.152878	0.388596	0.0227361	0.143509	0.0636609	0.524784
CORO6	0.798036	1.56021	1.05377	0.4112	4.88699	0.692585	1.90996	0.845618	0.616794	1.20387	0.571715	0.977317	0.277248	0.51334	0.727321
CORO7	1.48959	1.3915	1.84106	2.48499	2.7789	4.5133	1.90805	1.08684	1.07119	2.1538	2.4013	1.21209	4.2235	1.87699	2.7079
CORO7-PAM16	0.671506	0.309711	0.132671	0.965855	1.6088	1.61045	0.827308	0.501664	0.331215	0.296769	0.422605	0.803926	0.728548	0.539478	1.01908
CORT	0.120341	0.0869194	0.199147	0.0664764	0.253133	0.246384	0.155163	0.127932	0.0477651	0.0694263	1.24E-30	0.126084	0.0499439	0.223968	0.215505
COTL1	6.50198	3.36681	3.87445	17.5727	9.42262	23.7045	4.03897	4.59395	3.74696	19.5731	47.2877	3.85021	28.7545	14.309	19.5876
COX10	2.50188	2.16314	1.95714	3.31749	1.81086	3.59312	2.08223	1.67817	1.85104	1.84524	2.98416	1.9042	3.54107	2.62655	1.84991
COX10-AS1	1.66668	2.37468	2.48183	1.9752	1.86773	1.77395	2.22918	2.31703	1.75435	1.4643	1.80084	2.1466	1.40561	1.91015	1.77808
COX11	2.91356	2.37047	2.75234	2.8996	1.09839	3.25438	2.04134	3.04877	2.24596	2.31373	3.6461	1.75532	3.25157	2.2538	1.8493
COX14	6.41705	3.73922	3.67962	7.35302	4.57011	10.1588	5.05203	2.92352	6.03775	6.54211	16.2925	4.19373	3.97584	3.487	2.96099

COX15	2.02925	2.64975	2.75098	2.85898	1.81886	3.51911	2.08336	2.1332	1.41739	1.64931	2.35934	1.66009	2.16355	2.06932	2.08573
COX16	5.35003	3.83786	3.46778	7.55629	3.78963	6.31198	2.46231	3.48052	4.9411	7.44783	13.5885	4.27211	5.79137	4.40985	3.23261
COX17	6.94839	6.85384	5.70293	15.6178	7.05385	14.3486	5.24732	5.25131	20.856	16.3432	34.1548	10.609	15.0377	13.4681	8.25016
COX18	1.36196	1.12318	1.28706	1.00928	0.87159	1.52454	1.10658	1.11519	0.646089	1.04996	2.2803	0.748224	1.01366	1.06373	0.974307
COX19	1.817	2.19092	2.25864	1.37022	2.66072	1.75666	2.3177	1.78721	1.00848	1.16995	1.11105	1.09697	1.40434	1.37995	1.50858
COX20	6.17091	6.17452	6.57888	4.70074	1.48396	4.99797	4.26478	7.36579	3.2913	4.02919	5.64485	3.33775	4.18134	5.07842	4.33841
COX41	74.911	46.2506	50.7901	84.7084	73.79	110.007	51.8166	42.1301	68.4775	67.0703	138.943	45.0107	60.6019	50.7434	32.9541
COX42	1.28573	0.309741	0.251915	0.906563	1.99718	2.65052	0.965789	0.390905	0.70052	0.552061	2.75007	0.653663	0.327451	0.990281	2.42956
COX5A	20.8257	14.4567	11.8508	37.9608	10.4715	43.2815	19.7579	13.8276	45.3389	30.0668	65.4669	30.1688	37.3392	25.2607	15.3432
COX5B	67.2294	35.6601	39.6939	73.1072	41.7864	94.901	57.0863	36.6552	55.5341	76.4423	175.43	43.9072	43.5535	46.3224	25.9967
COX6A1	68.0535	47.2149	45.6213	93.3553	72.0868	139.079	69.0165	41.7106	127.87	104.406	259.612	77.0942	95.4903	76.8449	43.8115
COX6A2	0	0.0253424	0	0	0	0	0	0	0	0	0	0	0	0	0
COX6B1	67.3899	45.7452	47.04	106.297	64.1633	134.106	68.0634	41.3038	99.285	102.617	206.81	81.1007	80.9621	68.5581	43.9292
COX6B2	0.250496	0.452879	0.391431	0.157754	0.499318	0.154046	0.0635574	0.284459	0.0169487	0.349756	0.0157099	0.179443	0.0448941	0.1091	0.179872
COX6C	31.3348	15.7151	15.4453	36.7713	8.66527	38.8985	14.0871	16.1236	26.1658	47.0238	97.7229	21.7736	25.2916	25.6883	16.2032
COX7A1	5.40612	1.99015	2.18591	2.91078	3.77419	5.06874	4.8548	1.67348	0.887736	3.43074	9.80568	1.04312	1.46966	2.5715	5.01598
COX7A2	31.2157	18.4712	18.8156	45.0104	9.77397	43.3848	22.9195	17.5671	38.0547	50.6206	108.381	28.2655	37.7051	36.3666	17.3676
COX7A2L	5.21556	4.48529	4.65271	7.73297	3.70456	7.34461	4.5977	3.98806	4.97661	7.7676	13.9978	4.09867	7.3005	6.10023	4.08652
COX7B	9.74394	5.21034	4.86473	11.6028	2.01515	7.78887	3.3949	4.40134	14.3811	15.9853	34.5705	8.44235	10.4107	9.04198	6.20122
COX7B2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COX7C	94.733	52.8767	52.9208	114.56	17.4004	79.7924	54.9905	49.3219	100.346	117.258	244.823	65.1394	79.9419	84.0449	48.0988
COX8A	60.8932	43.3271	41.3121	90.8354	57.1499	140.546	68.0665	39.8371	82.6667	83.5313	190.815	72.2476	82.0512	67.7781	35.8585
COX8C	0	0.013786	0	0	0.0677008	0	0	0	0	0	0	0	0	0	0
CP	1.55156	1.0673	1.80247	0.801282	0.126604	7.04401	1.48825	1.82875	0.0500137	0.103969	0.103571	0.0300639	0.226944	0.0621824	0.323564
CPA1	0	0	0	0	0	0.0392289	0	0	0	0.0192747	0.0520085	0.0109884	0	0	0
CPA2	0.0174139	0.0251708	0.028812	0	0.0270498	0.0148277	0	0	0.127249	0	0	0.0498404	0	0.0182025	0

CPN2	0.0382151	0.00368252	0	0.00787635	0.0237445	0.0130159	0	0.00679248	0	0	0.017256	0	0.0641061	0.0319566	0.065858
CPNE1	7.75855	8.37337	8.23771	15.4653	15.6428	6.00793	10.3486	6.55242	5.53883	10.8662	15.0904	10.4644	14.4025	13.024	10.5011
CPNE2	4.31218	3.14889	3.03694	7.02273	5.75058	11.9134	4.48665	2.4354	2.12841	5.6718	11.3468	2.17537	5.90466	5.67486	6.5047
CPNE3	9.59219	9.18601	9.68693	15.1806	3.3998	14.034	9.34944	11.1211	8.79063	12.2243	14.8192	9.39301	17.9157	10.2405	7.49594
CPNE4	0.0256234	0.0222223	0.016958	0.121466	0.0875644	0.00872719	0.00585119	0	0	0.038592	0.0289256	0.00366684	0.122337	0.0455325	0.0735969
CPNE5	0.250559	0.212001	0.141557	0.932068	0.417682	0.962665	0.307012	0.217244	0.0967555	0.47555	0.841649	0.35419	0.753094	0.651571	1.30769
CPNE6	0.0191661	0.0323208	0.0237833	0	0.0744289	0.0815984	0.0765913	0.0170332	0	0	0	0	0	0.0200341	0
CPNE7	0.296147	0.369311	0.518811	0.430854	0.18942	0.660081	0.507198	0.25545	0.0424323	0.185848	0.0589965	0.112183	0.0393385	0.109256	0
CPNE8	1.93918	1.20496	1.4438	2.30847	0.415477	2.67605	1.51932	1.71743	0.23617	2.13173	3.11001	0.861226	3.23141	2.04097	3.34188
CPNE9	0.0106601	0.0770429	0.0881878	0	0.0165588	0.0363077	0.0486854	0.0852642	0.0259656	0	0.0240678	0.0152552	0	0.0222857	0.0765462
CPO	0.0574269	0.0461153	0.0475076	0.0197267	0.0594692	0	0.0218561	0.0170121	0.0233132	0.0240256	0	0	0	0.0300138	0
CPOX	1.60609	1.79053	1.79512	2.5179	2.65405	2.997	1.01443	1.26033	0.74912	2.70204	3.7033	1.50985	2.2654	2.37982	2.23293
CPPED1	2.34708	1.81154	1.63624	2.77593	1.55665	3.06672	1.42379	1.49328	1.62424	2.64319	5.42668	1.67131	3.40058	2.08713	2.54833
CPQ	6.54275	4.65136	5.70732	4.52763	4.26078	10.7883	5.58578	5.0654	1.54739	6.00611	14.0212	1.21498	1.76975	3.5995	11.2209
CPS1	0.829486	0.866227	0.540274	1.67867	1.08442	0.885269	0.548536	0.673801	0.571392	0.928031	1.07197	0.921163	0.973495	0.749354	1.00798
CPS1-IT1	0.0100404	0.0290256	0.0415305	0.0206938	0.0467885	0.0256477	0.0229275	0.0178461	0.0244561	0.0126017	0.0113343	0.0359208	0	0.00524754	0
CPSF1	8.05938	5.12872	5.44034	6.88847	15.6228	10.8747	8.47872	6.68654	4.4091	4.072	2.90672	6.70633	6.67179	6.8337	7.69154
CPSF2	3.69327	4.42871	4.31364	7.621	2.95332	6.50547	3.54815	3.97756	5.62111	6.72548	7.0853	4.46904	8.99856	6.10133	4.50055
CPSF3	3.178	3.0408	2.94179	5.94258	1.91092	6.43225	2.31174	2.84143	3.01208	4.22999	5.02693	3.19085	6.2918	3.91466	3.28498
CPSF4	3.76879	3.70784	3.88326	4.62806	5.29334	6.89856	2.43498	2.41677	3.7929	3.51226	5.1971	3.06806	4.67392	4.02791	3.12755
CPSF4L	0.0357698	0.0344689	0.0591826	0	0	0.152288	0	0	0	0.0897895	0	0	0	0	0
CPSF6	5.61807	5.2945	5.769	5.84985	2.43153	7.9034	5.12609	7.18512	3.17596	3.40686	4.8391	3.05488	4.77445	4.64628	4.10575
CPSF7	9.77453	11.1652	11.71	14.0174	11.3373	15.5579	12.5352	10.5597	10.9916	8.2352	10.5835	9.34559	14.452	10.6251	9.68762
CPT1A	9.14262	2.49821	3.0795	4.00547	4.84581	8.73351	4.29017	4.29668	3.04696	4.90457	5.77956	2.92671	8.05407	5.06296	8.61748
CPT1B	0.899923	2.70519	1.86452	1.77044	4.20049	3.01032	1.42296	1.0408	0.885632	0.9379	0.385372	1.70368	0.521387	0.836461	1.06592
CPT1C	0.161685	0.283282	0.291835	0.446848	0.936116	0.581981	0.34404	0.195944	0.966672	0.581123	0.978985	0.446985	0.516851	0.568481	0.770484

CPT2	2.51328	2.02542	2.06678	4.40916	2.83503	5.00608	2.28883	2.15382	4.12673	3.33279	5.08325	2.36029	3.40717	2.75611	2.39551
CPTP	4.6856	4.79993	4.70564	9.77692	17.1795	10.3337	6.73553	3.51703	19.8957	9.85449	11.937	9.74842	21.2708	8.15748	3.47064
CPVL	2.95373	3.1842	4.27963	3.69012	1.84552	6.96199	3.0145	4.12821	0.884255	3.90398	11.8661	0.619873	3.91791	1.42732	6.04298
CPXCR1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CPXM1	3.11466	2.01177	2.68836	4.5811	18.3788	39.0272	2.10291	7.61862	0.716384	11.7155	29.0977	0.648579	5.76747	8.27543	40.0076
CPXM2	4.13269	1.62888	1.72228	5.28354	7.47171	8.5883	3.17883	1.33104	2.49008	1.75498	2.5396	2.41455	7.63028	4.70636	12.2093
CPZ	0.783583	2.98963	4.54519	0.394363	2.75988	6.58677	1.26918	1.27131	0.0221934	0.537482	1.39885	0.215143	0.417384	0.542872	3.07501
CR1	0.19248	0.0581813	0.0557159	1.1694	0.404227	2.7836	0.141024	0.157375	0.00848454	0.74624	1.43638	0.00830798	0.357451	0.101984	0.940098
CR1L	0.0417762	0.0121401	0.0208444	0.108299	4.55E-40	0.0345913	0	0.0221972	0	1.09E-42	0.0152573	0	0.0279999	7.79E-18	0.0200746
CR2	0.0332994	0.00534805	0.00459126	0	0.0086209	0.00472566	0.00633669	0.00493228	0	0.00696569	0	0	0.0286461	0.0116025	0
CRABP1	0.239824	0.823301	0.917598	3.86166	2.79398	2.29733	1.50603	0.239778	0.0730198	0.0752511	0.169207	0.171601	0.909059	0.517039	0.861045
CRABP2	44.4172	60.9739	37.2545	86.0954	220.516	48.6724	47.3087	44.7389	246.872	92.6303	200.514	147.518	72.8373	40.7351	60.0195
CRACR2A	2.03201	0.850922	1.07743	0.365403	2.13958	1.69539	2.25001	1.92708	0.0249136	0.196841	0.246323	0.0731856	0.334359	0.281541	0.979268
CRACR2B	2.74429	1.36489	2.17611	0.195488	4.22353	1.71216	1.63165	1.78702	0.0770099	0.190472	0.513947	0.0723911	0.155029	0.125582	0.581182
CRADD	1.10205	0.933128	0.992137	1.47807	1.19579	1.47657	1.101	0.820976	0.91781	1.17978	2.90894	0.898711	0.873112	0.965614	1.17537
CRAMP1	2.9287	4.19404	4.19191	3.68327	7.07926	4.87706	4.16351	2.89764	2.54931	2.08208	1.37898	3.21132	3.11946	3.14173	3.71218
CRAT	2.96631	4.45389	1.97408	2.6407	13.1273	7.40848	3.58804	2.30342	19.0644	2.77384	5.24669	4.50234	4.09768	3.40381	5.3988
CRAT37	0	0	0	0	0	0.0276511	0.0247184	0.00962003	0	0	0	0	0	0.0169723	0
CRB1	0.058013	0.0199654	0.0239962	0	0	0.0246987	0.0141937	0.0257786	0	0.00520088	0.00467782	0	0	0	0
CRB2	0.101012	0.141022	0.120808	0.0771083	0.174341	0.0573405	0.187949	0.136319	0.0182254	0.0140868	0.00844669	0.0535385	0.00761753	0.0508382	0.166558
CRB3	2.41259	4.13305	5.33464	3.95959	9.25333	3.58867	4.8631	2.475	11.5899	4.76638	4.84181	4.73128	6.46658	2.5452	0.834117
CRBN	6.64548	5.4742	5.74883	4.72202	1.59558	4.22107	3.93657	6.05675	4.81909	4.47307	7.29018	2.63955	3.4347	2.73562	3.9509
CRCP	5.66103	5.91292	6.17661	6.20101	6.93651	8.16427	5.60483	5.11554	4.55135	4.73017	6.62303	3.79573	7.64721	4.99469	4.20713
CRCT1	32.034	38.4738	40.798	432.964	182.177	64.3635	97.9779	29.9784	876.431	580.186	718.549	313.82	1016.95	185.541	42.5138
CREB1	2.64417	2.86545	3.15905	2.60227	0.82146	2.86875	2.10325	3.42692	2.03416	3.33528	3.49239	2.17262	3.4106	2.88829	2.58853
CREB3	4.24603	2.94166	3.26775	6.14612	7.01703	9.84835	5.16149	2.77265	3.3583	4.36481	10.1839	2.47232	6.93242	4.3153	5.04063

CREB3L1	1.40908	1.65409	2.32431	1.63691	9.03372	7.54791	3.12018	2.10989	0.52003	3.56923	12.1662	0.788255	1.86234	3.07076	13.221
CREB3L2	7.13984	3.7924	3.64763	6.4496	5.89447	10.0154	7.56355	4.739	4.57778	6.75282	8.29021	5.60211	7.58676	6.45914	10.5548
CREB3L3	0	0	0.0146261	0	0	0.0451627	0	0	0	0	0	0	0.011407	0.00462016	0
CREB3L4	1.87614	1.77358	1.66013	1.34605	2.10272	3.5388	1.32866	1.40354	0.795387	0.953824	1.67558	0.467302	0.574594	0.558544	0.90381
CREB5	1.06607	0.997377	1.31861	1.12528	0.273317	0.839444	1.33538	1.19119	0.482156	0.88011	1.44883	0.58321	0.732898	1.29421	2.56407
CREBBP	8.07372	9.91986	10.4682	8.52354	8.58202	13.6817	10.9419	8.34918	6.10112	5.3359	5.48351	6.10502	9.67301	6.64468	8.70026
CREBL2	5.76604	5.337	6.07557	5.22902	3.77122	7.79351	4.76089	5.40487	4.53129	5.52295	9.68834	2.5102	4.76579	3.15633	4.35829
CREBRF	3.01542	2.00971	2.35611	1.28132	1.00283	2.35495	1.99598	2.90416	1.18424	1.56722	2.15339	0.825028	1.44844	1.02891	1.88102
CREBZF	3.64181	4.58092	4.97658	3.11697	5.88948	3.58222	3.01041	3.53517	2.09113	2.3736	2.87985	2.21448	1.46854	3.96166	3.77776
CREG1	25.9888	20.3465	21.7078	45.6734	19.5634	39.0033	20.8391	24.6304	129.668	40.4792	88.6465	34.2393	28.6985	20.3624	16.4787
CREG2	0.0132701	0.00319687	0.010978	0.0615385	0.0412261	0.0112993	0	0.00589668	0.177776	0.599592	0.277135	0.379804	0.552236	0.235808	0.133403
CRELD1	1.32132	1.67067	1.81518	2.88836	3.89345	2.4411	1.6915	1.31661	1.97982	1.10559	1.18424	1.55854	2.21652	1.50671	2.5071
CRELD2	3.52848	3.44539	3.09658	8.25406	10.0033	10.567	3.72234	2.01503	4.52605	7.51008	9.61728	5.33742	10.1105	5.32205	4.33517
CREM	0.566083	0.381847	0.387562	0.97764	0.333536	1.44271	0.383344	0.350427	0.413656	1.35729	2.43716	0.326832	1.07555	1.03041	1.05966
CRH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRHBP	0.113323	0.0910012	0.0729156	0.0129758	0.117353	0.139379	0.057506	0.145473	0.0306699	0.0158035	0.0426425	0.018019	0.00812393	0.00658083	0.0723315
CRHR1	0.0952378	0.0632255	0.0571493	3.50E-06	0.0602202	0.0443688	0.128817	0.00360687	0	0	0	0	0	9.22E-07	0.053488
CRHR2	0.0709119	0.152196	0.106661	0.0332167	0.200274	0.120761	0.0809649	0.0687497	0.102065	0.0728195	0.0727733	0.156831	0.0540705	0.13477	0.296257
CRIM1	14.1391	8.7242	10.6493	10.2055	10.2767	17.3389	10.5395	8.52982	3.53639	9.49421	9.81049	4.80169	20.4218	10.0822	12.4037
CRIP1	51.1762	47.2621	69.1323	24.4483	36.7012	11.8318	129.688	33.0028	6.60417	76.6279	112.701	92.9132	104.023	65.4122	64.8039
CRIP2	10.8234	7.18369	9.78331	10.8328	11.5858	13.0315	18.0813	5.77813	3.59836	20.4389	28.7241	15.9781	25.5367	16.1367	18.9688
CRIP3	0.0484164	0.186622	0.280374	0	0.225622	0.0618389	0.0276402	0.0215142	0.0294829	0.0303838	0.0273281	0	0	0	0
CRIPAK	3.53162	2.38423	2.31401	1.59427	3.1232	2.29748	2.44435	3.5969	0.767603	0.876049	0.67034	1.75546	1.03175	1.42925	1.97488
CRIPT	2.50844	2.14921	1.86764	1.74208	0.615529	1.9997	2.3369	2.95946	1.51864	1.40079	1.72365	1.14454	1.13056	1.22172	1.79077
CRISP1	0.0117657	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRISP2	0.0327573	0.00789149	0.0270992	0	0	0.0418387	0.0374013	0.058224	0	0	0	0	0	0	0

CRISP3	0.123594	0.133987	0.204492	0.180437	0.0479962	1.57859	0.811418	0.137301	0.865514	0.168051	0.313926	0.309523	0.0531617	0.0538299	0.0739572
CRISPLD1	1.75655	0.589541	0.638882	0.327704	0.933031	1.0315	0.875997	1.00483	0.1168	0.614514	1.53278	0.115573	0.319152	0.403626	1.16708
CRISPLD2	12.2952	4.24255	5.86591	19.3749	10.5364	44.7626	7.64678	14.2436	1.43723	20.6158	20.6318	6.3979	15.114	20.2058	44.1799
CRK	10.2762	9.36327	9.95559	14.6204	6.97802	14.3535	7.25123	7.34056	12.4104	15.1674	17.0524	7.78937	21.923	14.2446	11.6456
CRKL	7.82306	10.0053	10.574	13.7502	10.248	13.8593	9.52757	7.55485	17.8746	13.7515	12.5156	9.78651	18.7331	11.8752	7.7707
CRLF1	6.3374	1.86051	2.15441	3.04069	12.375	19.3783	9.53549	2.47404	1.51552	6.73038	5.19906	3.45142	14.402	4.67999	8.34593
CRLF2	0.0481745	0.0324957	0.0637654	0.0595743	0.0598654	0.016408	0.0110008	0.0171254	0	0.120928	0.130519	0.00689404	0.0808131	0.181282	0.0138369
CRLF3	2.81715	3.30049	3.34159	4.21519	1.63444	4.10852	2.62154	3.21762	7.15948	5.34714	5.33956	3.17049	7.5644	4.43775	3.26698
CRLS1	1.69013	1.45045	1.56819	2.50937	1.74758	2.02527	1.3432	1.27834	1.47028	1.94076	4.21608	0.955706	2.24061	1.93314	1.63046
CRMP1	0.63067	0.751156	0.826428	0.618727	0.91695	0.927947	0.933221	0.520132	0.153617	1.6781	0.558167	0.444041	0.628262	0.833267	1.01441
CRNDE	3.04771	2.24584	1.84714	3.42628	1.99999	2.99754	1.45146	1.89744	2.26279	2.65922	4.70997	1.36441	1.66142	1.62694	0.748988
CRNKL1	2.97875	2.67836	2.91543	3.95602	1.45817	4.11717	1.99393	2.38628	2.6889	3.37004	4.16776	1.9325	4.14486	2.53535	2.75652
CRNN	0.677476	0.285616	0.350285	0.0498684	0.432217	0.195721	0.48345	0.387054	0.810355	0.015184	0.163883	0.0865628	0.0312217	0.0316141	0
CROCC	1.6191	2.27936	2.20275	1.34997	6.40796	1.68117	1.69517	1.18829	0.404166	0.727158	0.495804	0.729733	0.827798	1.77153	1.818
CROCC2	0.0106758	0.00859066	0.0184376	0.0551223	0.0484677	0.105704	0	0.00792281	0	0.050351	0	0.060599	0.0287592	0.0256262	0.0576131
CROCCP2	4.13608	3.64918	4.03521	2.18903	13.8243	5.63313	3.0584	3.29163	0.718614	1.89257	1.07588	1.23844	0.685254	3.78565	2.41034
CROCCP3	1.03806	1.18151	1.24131	0.35413	1.28081	0.436434	0.882902	0.942896	0.155901	0.43506	0.177036	0.371758	0.147625	0.58916	1.13634
CROT	3.91835	3.69964	3.30224	3.30483	2.45567	3.88927	1.57293	4.0543	2.7161	1.58026	2.43474	3.06628	1.92338	1.55215	1.62979
CRP	0.114854	0.00553383	0	0.0473441	0.0178408	0.107576	0.0131136	0.0102073	0	0	0.0388967	0	0.0296412	0.0360166	0
CRSP8P	0	0.0614441	0	0	0	0	6.29E-42	0.0328456	0	0	0	0	0	0	0
CRTAC1	2.85898	0.64009	0.652669	3.37106	1.47192	2.83969	1.88742	0.794153	0.202245	0.389127	0.23859	0.270788	1.7176	0.763223	1.93966
CRTAM	0.132296	0.042495	0.0510743	0.0363561	0.0274003	0.105139	0.0201402	0.0235148	0.0322244	0.121767	0.0497821	0.00631077	0.0967379	0.0276576	0.126663
CRTAP	15.4148	11.2664	13.0343	10.4743	9.38861	24.5592	15.4428	9.91736	3.86488	9.08398	19.7189	3.65996	9.7345	8.00734	12.443
CRTC1	1.39348	1.51346	1.5553	1.0881	2.49875	3.78792	2.05965	1.26489	0.858629	0.618992	1.12842	0.729448	0.77307	0.961828	2.59064
CRTC2	5.51354	5.8793	5.87664	6.59916	7.00727	11.4204	6.60106	5.33775	5.65186	5.02193	6.95578	4.66856	6.41765	5.45159	5.34909
CRTC3	5.46955	4.16215	5.11183	4.2149	4.31995	10.3465	5.88769	4.54749	2.51207	3.32452	4.98532	2.80669	4.61799	3.7684	5.89912

CRTC3-AS1	0.141548	0.1023	0	0.0364673	0	0.0903945	0.242422	0.0316664	0.0430973	0.0444142	0	0.0253203	0.0456629	0.22297	0
CRX	0.336051	0.407897	0.27746	0.242415	0.464655	0.181064	0.335783	0.285872	0.0955626	0.171749	0.0175546	0.2754	0.0367613	0.319431	0.278887
CRY1	3.59722	3.09402	4.06277	3.08437	2.61925	3.03307	2.96006	2.57876	3.15741	3.68598	4.46531	3.06657	4.91833	4.52023	6.18515
CRY2	6.77127	11.12	16.4853	2.48979	4.18913	7.03339	15.0693	6.31438	7.28509	4.08306	2.81711	5.61844	4.2115	2.89648	6.85577
CRYAA	0	0.0338412	0.0189536	0	0	0.00719456	0	0.0203614	0	0	0	0	0.014782	0	0
CRYAA2	0	9.70E-17	0.0253562	0	0	0.0387778	0	0.0272395	0	0	0	0	0.0197755	0	0
CRYAB	17.2482	8.91289	13.2673	14.4406	12.5483	17.0863	25.087	10.9541	16.8002	16.0431	15.6172	23.7882	27.5711	15.3424	7.12615
CRYBA1	0.087885	0.155263	0.290819	0.0905681	0	0.0997772	0.133792	0.0781049	0	0.183841	0.0330704	0.0419227	0	0.0153108	0
CRYBA2	0.0261503	0	0	0	0	0.0890667	0	0	0	0.262571	0	0.0374225	0.523034	0.0410019	0.187776
CRYBA4	0	0	0	0	0	0	0.032582	0	0	0	0	0	0	0	0
CRYBB1	0.175897	0.0363214	0.0415756	0.129477	0.117098	0.299548	0.143453	0.178655	0.0306033	0.0946153	0.397132	0	0.113488	0	0.108262
CRYBB2	0.207568	0.276415	0.455287	1.14613	0.297092	1.20245	0.356349	0.114393	0.281107	0.819306	0.0731626	0.166164	0.15373	0.560526	0.0603412
CRYBB2P1	3.05526	2.60073	2.23032	1.62598	3.03435	2.90722	2.86439	2.57275	1.04011	1.78962	1.98184	2.96045	2.2795	2.0117	1.98432
CRYBB3	0.26817	0.103367	0.0665547	0.0276357	0.291592	0	0.0918563	0.119163	0.13064	0.100974	0.0908191	0.11513	0.0692087	0.252283	0.15405
CRYBG1	16.1007	29.8061	22.1639	45.7038	41.9359	23.7376	20.8848	17.8624	93.0328	24.4792	20.3269	39.0713	30.901	19.3366	8.08213
CRYBG2	2.98278	8.09779	7.76773	13.1639	15.8259	8.48354	6.63496	4.72134	10.135	11.3474	3.87028	13.8253	16.9844	10.2784	2.465
CRYBG3	6.50244	7.22042	8.20578	8.87704	3.57393	6.70286	4.52153	6.35315	10.4141	7.7901	9.26321	5.98901	6.94827	7.22959	7.52894
CRYGA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRYGB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRYGC	0	0	0	0	0	0	0	0	0	0	0	0.0263267	0	0	0
CRYGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRYGN	0	0	0	0.00902027	0	0.0670779	0	0	0	0	0.0296433	0	0.0169423	0	0
CRYGS	0.579206	0.76441	1.02082	0.389275	0.938824	0.643286	0.345036	0.402848	0.214689	0.252857	0.540138	0.288304	0.0162479	0.71073	1.04881
CRYL1	4.07046	2.01321	1.93879	5.4182	3.73622	8.37603	4.01377	2.1102	4.22503	6.52151	8.33719	1.89756	9.77877	2.90906	2.81213
CRYM	0.460189	0.421995	0.417543	0.168278	0.345887	0.619368	0.457632	0.633256	0.0542379	0.186318	0.351917	0.0637311	0.0670445	0.0698269	0.469018
CRYM-AS1	0.793533	0.871844	0.889139	0.351947	0.63972	0.427648	0.607843	0.919473	0.0978668	0.340393	0.181428	0.754663	0.103693	0.524981	0.360637

CRYZ	1.89635	2.60176	2.43265	5.15024	2.10843	4.4646	3.57529	2.09904	3.32043	3.64268	4.29202	1.85281	4.94307	2.18108	3.25516
CRYZL1	3.91131	3.45606	3.82911	2.74758	1.17728	2.45461	2.07065	2.82654	1.54939	2.53099	3.52925	1.25891	2.03456	2.39789	2.7211
CRYZL2P	1.60692	1.2896	1.51785	0.984082	0.548883	2.02958	1.03448	1.26233	0.614823	1.00393	1.44054	0.756933	0.616787	0.80469	1.49104
CRYZL2P-SEC16B	0.130871	0.118666	0.083506	0.0563089	0.0795053	0.217053	0.228319	0.22845	0.00334242	0.106742	0.273081	0.0174357	0.104733	0.0473718	0.548909
CS	23.3841	21.9079	23.6039	32.8493	16.6096	36.4786	29.2031	21.4039	36.075	27.1729	27.0035	24.8169	48.9798	21.9639	18.2822
CSAD	4.92533	5.88124	3.77724	2.90829	12.2127	3.34728	3.63265	2.71878	2.74777	1.75664	1.4332	4.62418	0.478646	2.9939	3.14131
CSAG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSAG3	0	0.0514805	0.0441957	0.0110109	0	0.00909788	0	0.00949567	0	0	0	0	0	0	0
CSAG4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSDC2	0.493962	0.237999	0.26486	0.150827	0.397856	0.841205	0.626656	0.219496	0.0445623	0.045924	0.103263	0.0785429	0.0118038	0.10996	0.302149
CSDE1	58.8623	49.2159	49.794	71.4841	29.4821	78.4933	37.5134	51.2181	99.8407	73.2706	71.5794	50.5058	91.0021	51.4221	42.0374
CSE1L	8.03312	8.16929	8.49449	18.5146	2.11911	11.58	6.8355	8.16755	10.347	12.1615	14.4582	8.26238	17.2899	12.4772	6.31491
CSE1L-AS1	0.0814896	0	0	0.0419887	0	0.0346937	0	0.0362106	0	0	0	0	0	0	0
CSF1	3.41848	2.49558	2.92151	2.54752	5.01754	9.1976	5.00523	2.37689	0.613604	1.9207	2.76406	0.828814	2.65519	1.75713	3.94237
CSF1R	4.33322	4.39464	6.01489	9.88438	9.2099	16.7024	8.31998	6.44721	1.08052	5.73743	12.1468	1.43996	8.08376	3.83392	11.1799
CSF2	0	0.0142047	0.0487785	0.0303816	0	0	0.0336611	0.0262008	0	0.222015	1.13156	0.0843795	0.741834	0.215717	0.59275
CSF2RA	0.417945	0.329959	0.549872	1.01708	0.289408	0.535955	0.385206	0.550439	0.0613264	0.821606	1.61438	0.180151	0.737492	0.460558	1.31615
CSF2RB	2.24936	1.67743	1.84502	6.80151	3.55337	8.42568	2.17019	1.86747	0.476934	5.24475	7.06783	0.88504	9.71829	3.05509	7.70897
CSF3	0.0654498	0.0378417	0.0541447	6.15125	0.345665	0.60188	0.0597828	0	0	1.90579	5.76301	0.084296	6.72264	1.46406	3.271
CSF3R	0.198937	0.108631	0.126174	6.79949	0.772546	2.16258	0.16657	0.247519	0.0484567	3.9201	8.35421	0.085407	4.03032	0.73821	3.72361
CSGALNACT1	3.55905	1.37684	1.44912	2.96781	2.28286	6.91734	1.26272	1.73486	0.800009	4.59273	8.42086	0.953312	5.5551	8.19294	12.5195
CSGALNACT2	3.66283	2.82883	3.22502	4.20555	2.10389	6.35309	2.15829	3.59017	2.68947	5.72067	6.12922	2.45232	7.72414	4.66277	9.55656
CSH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSHL1	0	0	0	0	0	0	0.028753	0	0	0	0	0	0	0	0
CSK	6.20477	7.56888	6.80903	13.0187	17.8647	16.4969	8.61516	5.3157	24.0583	10.639	14.2191	10.6488	16.7245	9.75583	6.81415

CSKMT	0.485636	0.70196	0.900479	1.10447	1.14455	0.884061	0.650084	0.788773	0.285527	0.504433	1.11535	0.754882	0.864358	1.15529	1.05818
CSMD1	0.0339459	0.0140191	0.0173844	0.00999494	0.0652845	0.0192697	0.0239933	0.024422	0.00196868	0.00811536	0.0419703	0.00578315	0.00312882	0.0135174	0.0580365
CSMD2	0.0498773	0.175431	0.279206	0.1542	0.449364	0.799852	0.222098	0.118205	0.012149	0.269185	0.454195	0.0761356	0.30357	0.527445	1.61885
CSMD2-AS1	0	0.00817498	0.0561453	0	0.105423	0	0	0	0	0.0212954	0	0	0	0	0.0243668
CSMD3	0.00346609	0	0	0.00178595	0	0.00885398	0.00395746	0	0.00211065	0.0217515	0.00391278	0.00868027	0.059262	0.049817	0.0348442
CSN1S1	0	0	0	0	0	0	0	0.020966	0	0	0	0	0	0	0
CSN1S2AP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSN1S2BP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSN3	0	0.0138003	0	0	0	0.0243886	0	0	0	0	0	0	0	0	0
CSNK1A1	54.7463	55.5543	52.0602	120.558	61.081	76.6733	48.4616	48.8784	162.252	111.7	124.877	91.3047	153.297	86.6347	44.7474
CSNK1A1L	0.00962289	0.0139094	0.00796073	0.0396667	0.0149477	0.0245813	0	0.00855202	0	0.0241554	0.0869044	0.00688544	0.0310432	0	0.110557
CSNK1A1P1	0.191718	0.356294	0.385177	0.0846731	0.0638151	0.0699621	0.297074	0.194723	0.0667116	0	0.0309179	0.156776	0.0530122	0.1503	0
CSNK1D	6.07444	8.21632	7.80639	12.9584	13.1804	20.011	8.5925	5.42139	9.26326	10.0493	7.92591	9.2863	16.6949	10.2595	10.0393
CSNK1E	11.2281	11.6348	14.1398	22.5509	20.4194	25.9638	14.673	8.7514	32.0822	22.8584	23.1303	16.3641	29.8359	21.3718	14.9652
CSNK1G1	2.62139	3.1138	3.21249	4.60593	2.18558	4.0767	2.73485	2.69935	2.60096	3.86124	2.89619	2.6807	3.85993	3.32663	3.01092
CSNK1G2	8.60692	9.41126	9.21018	16.8606	16.2539	22.4	7.40672	5.82183	8.94874	11.2727	9.52722	9.84787	15.9961	12.2039	8.744
CSNK1G2-AS1	0.105757	0.23779	0.218723	0.199806	0.684485	0.360201	0.503122	0.297627	0	0.110613	0	0.504477	0.0796058	0.294789	0.734085
CSNK1G3	3.41619	2.52246	2.62285	3.87593	1.36516	3.32726	1.93676	2.73367	3.39516	4.30545	5.85667	2.09952	5.10934	3.15849	4.01713
CSNK2A1	7.56758	7.40495	7.61282	11.4013	5.33094	11.3692	7.33943	7.51916	13.8545	9.10406	9.76736	7.51192	14.6574	8.22358	7.63218
CSNK2A2	13.0171	17.5402	17.6633	11.0086	15.1387	13.5573	28.0668	13.571	68.8523	11.5677	18.5408	13.3447	13.6006	8.54848	5.965
CSNK2A3	0.335517	0.226689	0.15639	0.0784494	0.15176	0.06243	0.404999	0.31982	0.114972	0.260887	0.0647742	0.296354	0.146004	0.341202	0.401404
CSNK2B	4.55271	4.93434	4.92353	6.39495	5.08502	9.08877	7.84558	4.40164	17.4977	5.57852	9.29953	6.73434	7.59693	4.29332	3.3383
CSPG4	2.66885	3.40573	4.09932	5.49778	9.12389	6.51796	6.28247	2.13864	1.95157	6.52066	3.64309	5.52315	9.39135	8.17946	10.1233
CSPG4P1Y	0.0582215	0.035065	0.0481649	0.0299995	0.0226095	0.086756	0.0498566	0.064678	0	0.0182685	0.0492936	0.0104148	0.0657374	0	0.18813
CSPG5	0.0893554	0.124853	0.118274	0.147333	0.16656	0.174995	0.122428	0.0794117	0.206767	0.17944	0.100871	0.127872	0.299789	0.0747217	0.0128326

CSPP1	1.9939	2.08738	2.1162	1.57548	0.729151	1.62811	1.17025	1.50028	0.833925	1.19993	1.3758	1.46059	1.17254	1.93565	1.45958
CSRNP1	4.25694	3.82944	5.03771	5.53995	3.97549	6.51023	5.69006	3.49175	10.0557	7.58658	10.1992	8.88017	13.6413	7.25265	5.15307
CSRNP2	3.08606	2.90535	3.05558	2.69719	4.36269	4.30181	2.56249	2.33948	4.22519	4.0734	4.65409	2.67289	4.19252	3.64777	4.22276
CSRNP3	0.778485	0.507522	0.454785	0.279302	0.244836	0.381355	0.364317	0.655975	0.11705	0.255728	0.388412	0.145789	0.095494	0.120554	0.869553
CSRP1	34.735	17.5083	21.9303	23.7367	23.9607	76.7001	43.7078	15.0187	25.9537	27.0474	52.2847	14.0089	35.8259	26.9913	26.8148
CSRP2	19.6829	18.9792	6.36804	53.7457	21.3436	44.4507	7.35749	6.12795	42.3245	52.9956	125.418	88.9325	72.574	59.7962	27.5469
CSRP3	0	0.0228497	0.0523103	0.0325814	0.0245554	0	0	0.0561957	0.0192525	0.0595223	0.0178454	0.0339333	0.0101993	0.033048	0.0681073
CST1	0	0	0	0.125524	0	0	0	0	0	0	0.00590868	0	0	0	0
CST11	0	0	0	0	0	0	0	0	0	0	0	0	0.0270014	0	0
CST13P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CST2	0	0	0	0	0	0	0	0.0296363	0	0	0	0	0	0	0
CST3	38.1132	36.9738	29.3221	113.433	176.702	180.527	67.6877	31.1147	134.875	68.6137	135.359	125.961	92.4068	45.6522	44.1475
CST4	0	0	0	0	0	0.0267745	0	0	0	0	0.0293954	0	0.0202877	0	0
CST5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CST6	11.4765	34.3309	46.182	28.2357	43.7411	11.0664	47.9884	31.949	134.912	45.5974	69.1106	41.4395	26.4064	14.4392	3.65654
CST7	0.84609	0.647459	0.926398	3.61591	1.58486	1.16541	0.653496	1.2606	0.121229	1.15563	2.92157	0.551982	3.03452	0.715329	1.71542
CST8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CST9	0	0.00660194	0	0	0	0	0	0	0	0	0	0	0	0	0
CST9L	0	0	0.0199849	0	0	0	0	0	0	0	0	0	0	0.0126259	0.0693869
CSTA	131.778	115.875	55.5615	397.657	64.552	166.512	41.1856	80.6539	2051.79	1376.48	2003.71	987.741	969.302	497.337	112.328
CSTB	22.6999	25.5398	24.543	188.995	31.2069	105.197	19.3401	25.622	100.029	481.653	578.488	313.573	516.735	261.612	90.4099
CSTF1	3.59024	3.20384	2.83611	4.85895	2.1385	4.48977	2.45542	2.96679	3.35334	3.4784	5.83052	2.82645	4.71409	3.35309	2.51986
CSTF2	1.97351	1.64203	1.59666	3.80769	2.6604	5.04124	1.76689	1.51437	2.53057	2.26963	3.04244	2.04038	3.85914	2.87166	1.61063
CSTF2T	3.08011	2.44989	2.68783	4.65966	3.14883	7.74815	2.32737	2.23692	1.20698	2.27569	3.10202	1.32959	3.85465	2.88704	3.75223
CSTF3	2.6919	2.80783	2.7325	4.79841	1.06231	4.50989	1.7112	2.70269	1.85187	2.53852	2.81707	1.91571	2.79296	3.23208	2.31954
CSTF3-DT	0.0112345	0	0	0.0231549	0	0	0	0.00998428	0	0	0.0126823	0	0	0	0

CSTL1	0	0	0.026013	0	0	0	0	0.0558903	0	0	0	0.0224993	0	0	0
CT45A1	8.70E-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT45A10	2.23E-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT45A2	2.21E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT45A3	2.32E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT45A5	4.73E-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT45A6	2.32E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT45A7	0.00705543	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT45A8	2.21E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT45A9	1.97E-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CT47A1	0	0	0	0	0.00076599	0	0.00020383	0.00015749	0	0	0	0.00012680	0.00034644	0	0
				8			1	4				2	5		
CT47A10	0	0	0	0	0.00085110	0	0.00020383	0.00015749	0	0	0	0.00012680	0.00034644	0	0
				9			1	4				2	5		
CT47A11	0	0	0	0	0.00085110	0	0.00020383	0.00015749	0	0	0	0.00012680	0.00034644	0	0
				9			1	4				2	5		
CT47A12	0	0	0	0	0.00085110	0	0.00020383	0.00015749	0	0	0	0.00012680	0.00034644	0	0
				9			1	4				2	5		
CT47A2	0	0	0	0	0.00085110	0	0.00020383	0.00015749	0	0	0	0.00012680	0.00034644	0	0
				9			1	4				2	5		
CT47A3	0	0	0	0	0.00085110	0	0.00020383	0.00015749	0	0	0	0.00012680	0.00034644	0	0
				9			1	4				2	5		
CT47A4	0	0	0	0	0.00085110	0	0.00020383	0.00015749	0	0	0	0.00012680	0.00034644	0	0
				9			1	4				2	5		
CT47A5	0	0	0	0	0.00085110	0	0.00020383	0.00015749	0	0	0	0.00012680	0.00034644	0	0
				9			1	4				2	5		

CT47A6	0	0	0	0	0.00068088 7	0	0.00018344 8	0.00015749 4	0	0	0	0.00011412 2	0.0003118	0	0
CT47A7	0	0	0	0	1.34E-12	0	0	0	0	0	0	0.00012680 2	5.41E-13	0	0
CT47A8	0	0	0	0	0.00085110 9	0	0.00020383 1	0.00015749 4	0	0	0	0.00012680 2	0.00034644 5	0	0
CT47A9	0	0	0	0	0.00085110 9	0	0.00020383 1	0.00015749 4	0	0	0	0.00012680 2	0.00034644 5	0	0
CT47B1	0	0.0167805	0	0	0	0.0296554	5.16E-05	0	0	0	0	0	0	0	0
CT55	0.0642565	0.0103199	0.0177192	0.0110364	0	0.0364757	0.146732	0.0571058	0	0.0134414	0	0.0153257	0	0.00559721	0.0307602
CT62	0.0126396	0.0608994	0.0209127	0.0521018	0.0392672	0.0645746	0.0432944	0.044932	0	0	0.0142685	0	0	0	0.018152
CT83	0.0403189	0	0.0333546	0.290849	0	0	0	0.0358321	0	0.0506044	0	0	0.0780407	0.0210724	0.057903
CTAG1A	0	0.0149073	0	0	0	0	3.89E-31	0	0	0	0	0	0	0	0
CTAG1B	0	0.0149073	0	0	0	0	3.89E-31	0	0	0	0	0	0	0	0
CTAG2	0	1.63E-09	0	0	0.14481	0	0.585426	0	0	0	0	0	0	0	0
CTAGE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CTAGE10P	0	0.0112557	0.00644198	0	0	0	0	0	0	0	0	0	0	0.0122095	0.0894653
CTAGE11P	0.105636	0.0339756	0.0655961	0	0	0.030069	0.0100753	0.0312934	0	0	0	0	0	0	0.0126422
CTAGE15	0.00593567	0.428638	0.662696	0.708178	0.182918	0.423578	0.00250358	0.0902197	0.415315	0.433846	0.00083320 4	0.858647	0.192058	0.57364	0.00037021 2
CTAGE4	0.843371	1.12012	1.58472	1.896	0.661787	0.14207	0.37526	0.794423	0.614575	0.584029	0.224346	0.781625	0.518712	0.267298	0.236516
CTAGE6	0.526898	0.407382	0.393531	0.116614	0.0855527	0.181127	0.294494	0.478139	0.183729	0.122998	0.142023	0.00127349	0.223893	0.380217	0.242125
CTAGE7P	0.2536	0.260143	0.203028	0.0758736	0.203318	0.125383	0.168127	0.298081	0.0797049	0.0410702	0.0369397	0.122923	0.0105562	0.11544	0.234969
CTAGE8	2.12483	3.6027	4.42295	4.74583	2.42455	1.76616	3.16292	2.75786	3.49507	3.50427	1.17147	3.85837	5.79014	3.44808	0.931649
CTAGE9	0.159035	0.201471	0.52244	0.532929	1.76E-16	0.101131	0.226763	0.229569	0.254198	0.385171	0.150539	0.121354	1.57E-08	0.209893	6.34E-15
CTB-178M22.2	0.178711	0.430528	0.147842	0.322292	0.0693999	0.114127	0.0510116	0.238235	0.21765	0.616826	0.403484	0.319681	0.144129	0.490361	0.256651

CTBP1	13.4741	14.288	14.7541	22.1718	28.3278	34.3648	14.9419	8.93964	14.7828	16.1702	19.6924	13.5243	25.3569	16.0762	15.7921
CTBP1-AS	0.835966	1.30367	1.323	0.470591	2.71425	0.821115	1.70641	1.07854	0.099509	0.521176	0.238273	0.993427	0.0975253	0.952083	1.44719
CTBP1-DT	1.80879	2.08552	2.21514	1.88843	2.17167	4.76845	1.64135	1.46711	1.1255	1.49696	2.18457	1.27163	2.1302	1.53568	2.37078
CTBP2	2.50845	2.12748	2.27984	4.82657	3.25597	4.97988	2.03623	1.78039	1.69909	3.88153	3.79373	2.31365	5.08587	4.1827	3.82945
CTBS	2.58223	2.17188	2.56838	3.57628	0.660787	3.92722	1.32929	2.85201	1.54517	1.94833	3.55531	1.51657	2.59537	1.80985	2.06856
CTC-338M12.4	1.6671	1.79819	1.60337	0.897955	1.91092	1.68779	2.16806	0.983961	0.611058	0.721605	0.497251	0.743187	0.429393	0.97183	0.917509
CTC1	1.54984	2.801	2.87803	2.06554	3.44354	2.31638	2.77753	1.90334	1.68843	1.15728	1.02982	1.93016	1.74674	1.67642	2.13654
CTCF	6.24613	6.36673	6.38505	8.2156	5.41613	9.62935	4.81815	6.07948	7.43131	5.61519	4.64644	5.24169	9.2705	5.4911	4.87477
CTCFL	0.00582288	0.00140278	0	0	0	0	0	0.00517489	0	0	0	0	0	0	0
CTD-2194D22.4	0.0141721	0.020485	0.0117242	0	0	0	0	0	0	0.0177875	0	0	0	0	0
CTD-2201I18.1	0.309588	0.148615	0.127363	0.131953	0.20187	0.029262	0.204859	0.130341	0	0.0641684	0.0384766	0.146328	0.00549771	0.0578948	0.0749765
CTD-2270F17.1	0.269271	0.148632	0.0630307	0	0	0.0324379	0.0652444	0.0846404	0	0	0.0215026	0	0	0.0201344	0.10942
CTD-2297D10.2	0	0	0	0	0.0226952	0.0124407	0	0	0	0	0	0	0	0	0
CTD-2350J17.1	0.360671	0.0289628	0.198915	0.061947	0.0933744	0.204738	0.274535	0.106845	0	0	0.0678588	0.0430116	0	0.0628341	0
CTD-3080P12.3	0.0770579	0.0123759	0.0424985	0	0.0997479	0.0109356	0	0.0228275	0	0	0	0.0275685	0	0	0.0922207
CTDNEP1	16.659	16.4345	16.5299	34.8432	33.4881	40.0547	24.1959	14.5136	32.9749	27.69	42.0881	23.0859	43.1806	22.4871	21.032
CTDP1	4.8443	4.63908	5.488	5.29646	8.69478	6.71573	4.45787	3.91433	7.8664	3.75848	2.94517	4.53976	6.86519	4.08748	3.78139
CTDSP1	18.0898	17.315	19.6547	23.97	31.9018	39.0213	23.2779	14.2938	8.50634	13.7817	27.319	8.14864	15.5498	13.8488	19.4278
CTDSP2	22.5253	24.7203	26.144	33.5034	32.032	47.2591	28.6979	18.5969	24.48	21.8083	26.7345	14.5473	26.2169	18.2903	29.2771
CTDSPL	8.10394	9.1683	9.26989	7.67679	5.85035	10.7753	9.72144	7.54372	6.5166	5.80938	7.38907	4.60913	7.89658	4.25722	3.93166
CTDSPL2	4.99992	3.11139	3.27604	3.22953	0.73757	3.42449	2.65107	4.88238	1.34162	3.30756	4.49721	1.55606	3.4802	2.38239	3.17771
CTF1	0.347702	0.41547	0.598299	0.329652	1.03699	0.959247	0.238197	0.34609	0.406524	0.244385	1.06763	0.149274	0.206389	0.254414	0.439423
CTGF	33.3268	12.7831	19.0067	12.3676	8.66892	13.9363	28.2623	12.4038	18.3333	51.3373	121.552	12.6157	76.5453	26.9788	79.6935
CTH	0.389322	0.203213	0.277342	0.278617	0.0839933	0.884008	0.271648	0.259498	2.56832	0.502213	1.01328	0.363689	0.509355	0.214781	0.543585
CTHRC1	9.7032	5.57167	8.21793	8.27207	5.56554	28.0598	6.9352	6.57343	0.74912	24.8398	67.8754	1.32036	13.0367	6.63044	22.1944
CTIF	3.77892	2.65255	3.19201	2.75061	6.21604	5.99851	5.07769	2.03273	3.25552	3.22522	2.30812	3.1992	5.41784	3.3534	5.90121

CTLA4	0.243367	0.0837557	0.105459	0.298568	0.0720063	0.167753	0.0396955	0.267781	0.028228	0.130907	0.379391	0.0829217	0.493489	0.357355	0.549224
CTNNA1	24.012	22.5142	24.1908	40.3012	24.2923	51.1879	26.546	19.396	31.8861	39.747	24.0798	25.5741	69.4126	28.4567	27.6795
CTNNA2	0.0146044	0	0	0.0250837	0.0151237	0.0207257	0	0	0	0	0.0054955	0	0	0	0
CTNNA3	0.0708138	0.0152638	0.0369992	0.00384082	0.0115788	0.0460161	0.0702143	0.0215298	0	0.00935564	0.0231405	0	0.00961867	0.00973957	0.0401437
CTNNAL1	3.04231	3.25408	3.33607	3.32828	0.997817	5.16577	2.2003	1.93466	2.43391	3.53848	5.07605	1.2193	3.98909	3.34795	3.19038
CTNNB1	40.2966	32.4494	32.9226	58.2761	29.4518	75.9653	32.724	29.2778	34.3389	62.7444	95.6748	28.5099	70.573	51.2464	45.5931
CTNNBIP1	39.6947	45.8085	51.5594	33.4919	51.5272	54.2343	57.0389	35.8611	87.0099	49.8001	71.3152	43.171	51.8422	23.9126	11.7075
CTNNBL1	5.45986	4.98212	5.1067	8.5661	6.94056	11.1195	4.41461	3.15892	5.03462	5.55208	5.87416	3.6276	8.00147	5.15387	5.21668
CTNND1	40.0519	57.5379	57.6897	55.9734	41.3635	51.7761	47.9622	44.5248	61.5551	56.3231	34.4972	55.2617	78.5094	45.1218	32.0931
CTNND2	0.0695451	0.0353694	0.0191775	0.00796313	0.0120031	0.148042	0.136752	0.0446376	0	0	0.00436154	0	0.00747835	0.00605788	0.0166459
CTNS	2.06032	2.21318	2.34682	3.13929	3.75517	4.15971	3.42557	1.85732	4.1536	3.73924	4.63689	3.43313	6.54259	3.51848	2.74918
CTPS1	3.69675	3.00828	3.14116	7.70878	3.02173	7.00125	3.70179	2.54867	8.93925	6.08287	5.53152	6.88308	13.4178	9.47508	5.06896
CTPS2	1.71047	1.94033	2.14586	1.24938	1.073	1.78054	1.39497	1.45748	0.377716	0.849291	1.27313	0.497625	0.870138	1.0536	1.35645
CTR9	4.79676	4.82122	4.71764	7.16318	2.96319	8.63147	2.72975	3.90062	7.49691	6.55101	4.58536	6.09722	11.4701	5.65588	4.32985
CTRB1	0.0368683	0.0764618	0.0656419	0.0272532	0.205424	0.0675634	0.0210475	0.0940234	0	0.0231367	0	0.0378454	0.0341298	0.193529	0.113953
CTRB2	0.01576	8.16E-11	0	3.38E-06	1.20E-12	0	0.0089971	6.20E-36	0	0.00989018	0	4.69E-06	0	1.01E-32	0
CTRC	0.0257431	0.136438	0.042593	0	0	0.131519	0.0587853	0.0457567	0.0313522	0.0323102	0	0.0184199	0	0.0269089	0
CTRL	0.729329	0.745851	0.949724	0.525871	1.00366	0.662777	1.07994	0.701247	0.241138	0.323831	0.486264	0.663444	0.520775	0.823054	1.20911
CTSA	10.1703	11.3653	11.7059	18.5642	17.6709	28.2554	20.9155	11.4147	66.2365	20.1448	42.9978	19.5957	22.4097	12.3547	17.2933
CTSB	54.614	28.1052	25.4933	219.666	67.2978	204.944	35.0537	37.1035	89.631	149.514	275.1	48.2362	214.44	89.1502	99.6428
CTSC	5.98646	3.75873	2.7093	17.4275	5.14367	13.9637	3.05092	4.11406	13.9287	11.1412	20.2638	10.8236	14.052	9.10134	5.62133
CTSD	97.9574	71.0796	72.7676	97.8473	179.627	202.379	109.89	68.7557	235.562	99.2767	189.734	100.16	111.872	63.355	70.2769
CTSE	0.0103874	0.0150144	0.0257795	0.021409	0	0.0530682	0.0474398	0.0276943	0	0.0260744	0.0234521	0.0371622	0.0201056	0.0271445	0
CTSF	7.10149	7.61834	9.43969	3.93151	10.1207	8.24834	7.83273	4.87128	3.00889	2.46625	5.72065	1.38133	2.98784	3.20707	4.93429
CTSG	11.7969	5.49086	8.1638	8.41446	11.9052	0.938381	7.92148	7.01169	3.75198	4.24387	11.1119	3.67391	5.97918	4.52929	8.81267
CTSH	12.7192	9.0568	11.5857	11.64	11.0423	14.9829	12.8724	9.37724	11.8799	8.05524	20.5477	1.21649	10.1465	4.57613	11.7045

CTSK	42.1817	26.1825	38.6613	41.3612	39.8817	128.252	41.2419	48.3737	5.02981	81.5239	207.071	5.75465	28.4529	23.7234	85.5882
CTSL	10.6939	3.96845	5.50686	55.0598	14.3042	68.8103	5.14913	5.6759	2.3351	53.1107	102.275	11.1878	67.4551	33.4845	27.2055
CTSL3P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CTSLP2	0.0628318	0.0302733	0.0173263	0.0215833	0	0	0	0.0372265	0	0	0	0	0	0.0109462	0
CTSLP8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CTSO	4.30036	2.06818	2.85911	4.1877	1.78949	7.22934	2.85592	3.58338	1.53757	3.7138	8.30177	1.04449	3.22258	2.34241	7.9323
CTSS	3.68531	2.12044	2.67116	8.96035	2.13577	10.2151	2.76013	3.70586	0.720596	13.1621	32.964	0.846721	11.2342	3.13065	11.3459
CTSV	1.05472	2.81946	4.32077	4.76574	1.32328	4.80133	2.16533	2.07749	4.31678	19.2517	10.2178	5.03971	3.46137	2.17052	1.17973
CTSW	0.285717	0.774352	0.886369	0.496866	0.859895	0.790673	0.468944	0.412622	0.173985	0.156889	0.725712	0.153328	0.0921715	0.074664	0.359035
CTSZ	22.8499	8.14743	10.7853	29.2237	19.0291	42.854	13.3353	10.0233	3.138	32.1065	68.571	5.05616	40.1665	24.9249	35.4521
CTTN	24.3143	25.2108	25.4072	49.8148	45.2628	68.3697	26.6177	17.496	45.4698	49.3296	32.0977	42.0463	77.689	39.5858	33.4595
CTTNBP2	1.46671	0.862935	0.548758	0.520286	0.732722	0.3891	1.19918	0.828599	0.556532	0.323771	0.544977	0.408713	0.164059	0.23883	0.428685
CTTNBP2NL	6.66049	7.41992	7.0222	8.56564	3.8691	7.515	6.54777	7.70066	14.3842	8.80269	8.6923	6.59011	10.6775	8.13478	6.00508
CTU1	0.889695	1.06373	0.999531	2.12801	4.12895	1.7583	0.765004	0.458794	1.92631	1.11666	1.57473	0.927393	1.22601	1.39498	0.599422
CTU2	1.54997	1.4822	1.63462	3.10923	5.23799	4.92649	2.02638	1.18821	1.51303	1.60382	4.34092	1.40535	3.08407	2.19526	2.24294
CTXN1	0.403125	1.11242	0.924687	1.73726	8.65284	1.18579	2.25953	0.569966	4.46328	2.8058	3.55788	3.46136	4.00782	2.07818	1.28945
CTXN2	0.042937	0.0165502	0	0.0176991	0.0133392	0.0219362	0.0294145	0.0381588	0	0	0	0	0	0.00448815	0.061663
CTXN3	0.04977	0	0.0514666	0.0769342	0	0.0211893	0	0	0	0	0	0.00890294	0.0160557	0	0
CTXND1	0.136665	0.142937	0.170967	0.0309155	0.0362443	0.0965007	0.20171	0.216252	0.00405958	0.0167345	0	0.0262357	0	0.0156791	0.0143611
CTXND2	0.069708	0.0335864	0	0	0	0.118711	0	0	0	0	0	0	0	0	0
CUBN	0.552734	0.357891	0.441216	0.213853	0.310296	0.264222	0.569091	0.39815	0.0401538	0.279929	0.3087	0.0902008	0.180187	0.343618	0.73809
CUEDC1	2.66791	1.80073	2.11671	2.97452	4.6265	5.75275	2.93455	1.44612	0.490185	2.05674	2.84298	1.38235	2.68587	2.5904	4.98751
CUEDC2	5.28265	4.10225	4.32216	8.65445	12.2035	14.5324	4.70594	3.09546	4.38338	5.07592	12.757	3.44758	5.50578	4.58135	6.03034
CUL1	9.87312	7.75578	8.13194	14.0912	4.23458	14.5231	7.22975	7.03106	17.0484	13.0073	11.2188	9.74269	20.4783	11.6056	9.57008
CUL2	3.29036	2.87863	2.90506	4.03027	0.85184	3.42836	1.6642	2.766	3.56203	4.0633	5.01225	2.06177	5.07762	3.39916	2.37649
CUL3	5.41568	5.2929	5.70752	6.36272	2.24714	6.0937	3.29966	4.79818	12.6384	6.227	6.58896	4.81224	8.22578	5.35535	4.40467

CUL4A	6.48917	6.42146	6.59208	6.9923	4.84343	8.30887	5.62435	5.23914	5.46262	5.42987	5.18277	5.1215	7.25996	5.8869	5.38436
CUL4B	5.25447	4.69018	4.97099	5.71602	1.69988	6.88608	3.16203	5.53346	5.37438	5.04776	6.55145	3.70599	5.36052	4.25561	4.41977
CUL5	4.32179	3.74849	3.8888	4.2209	1.64717	3.65822	3.07052	4.40758	3.78116	4.26259	4.94458	2.89158	4.64576	3.75761	3.33881
CUL7	1.86104	2.68603	2.53176	3.7249	5.58893	6.06752	2.54514	1.8377	1.87367	2.02954	2.43703	2.31702	1.83844	2.44245	4.15157
CUL9	3.18064	4.74381	4.88802	3.22864	7.09176	5.3633	5.1175	3.11783	1.9586	1.38675	1.01531	2.84266	1.27778	2.03746	2.934
CUTA	5.80023	6.13803	5.92412	9.24944	11.4234	13.3784	9.71887	4.79455	7.35791	6.86804	15.8411	5.73849	6.13954	6.19409	5.5856
CUTALP	2.71381	1.37636	1.15654	0.909916	1.43205	2.18179	1.58633	2.181	0.590386	0.798559	1.03584	0.569841	0.653458	0.549696	1.42965
CUTC	4.92066	2.69383	3.17536	4.22956	1.79219	3.56994	3.13967	2.8934	2.12243	3.18497	4.42504	2.42748	3.16006	2.25608	2.06512
CUX1	3.3244	4.59847	4.91567	8.00856	7.95924	7.7739	4.64501	3.77521	7.05407	6.93235	5.25966	9.24067	11.7826	6.06448	6.02806
CUX2	0.142023	0.068429	0.117492	0.00348474	0.0315159	0.0547069	0.077218	0.102177	0.0041183	0.00424414	0.00763461	0.00483912	0	0.00176732	0.00971255
CUZD1	0.131126	0.00890666	3.44E-06	0.10266	0.0234537	0.0425205	0.0347686	0.07133	0.0494198	0.0381974	0.111603	0.00722328	0.019655	0.0689051	0.058333
CWC15	6.1072	4.80101	5.17992	8.99662	4.07424	10.0719	2.73048	3.40508	8.70623	8.66565	16.9963	4.94947	8.00504	6.30316	5.52094
CWC22	3.64191	3.30201	3.54418	4.16768	1.20598	4.14673	1.39413	2.785	3.22343	3.46366	4.62118	2.31297	5.52826	3.74044	3.15233
CWC25	4.13518	4.48641	4.79253	4.32495	5.57382	4.65716	3.20286	3.5857	4.07595	3.41198	2.49253	3.93836	3.28052	4.03175	3.64555
CWC27	1.69414	1.44787	1.28262	1.70547	0.541199	1.98024	0.795604	1.26951	1.88824	1.72729	2.15337	1.10937	2.20295	1.51365	1.24464
CWF19L1	4.01399	3.06528	3.4849	4.49237	1.91747	3.98383	2.98637	2.83083	2.75444	2.8386	5.10624	2.89065	3.71485	3.75816	3.34718
CWF19L2	5.25112	3.91413	3.78357	2.82937	1.30465	3.51571	1.85347	3.27426	1.65039	2.42722	2.56555	1.5504	1.9991	2.32763	3.12193
CWH43	6.87028	11.5134	7.84426	16.5049	19.2122	8.54138	8.05662	8.26173	46.8507	27.6801	23.8267	23.7314	29.973	14.4506	4.01787
CX3CL1	6.45304	3.20987	3.82219	1.89591	4.91446	13.2029	3.03148	3.0842	0.712916	0.384843	0.527075	0.329095	1.47924	0.4407	2.53201
CX3CR1	0.246809	0.362847	0.544473	0.515209	0.324398	0.652016	0.289024	0.545545	0.131024	0.198571	0.550088	0.0724505	0.992184	0.162068	0.508952
CXADR	12.1536	21.276	19.6757	32.5096	5.31723	26.4676	10.1721	19.9537	19.6002	10.5557	15.695	12.143	8.12788	7.60517	1.93896
CXADRP2	0	0	2.25E-11	0	0	0.0161139	0	0.0168275	0	0	0.0213572	0	0.225023	0.0738859	0.221926
CXADRP3	0	0	0.0118917	0	0	0	0	0	0	0	0	0	0	5.30E-13	0.0532767
CXCL1	0.601875	0.046773	0.128494	23.8896	1.53809	5.22407	0.133007	0.431368	0.0472913	14.8646	40.7443	0.263951	18.5771	2.0396	8.44853
CXCL10	0.36161	0.843637	0.377873	2.3928	0.206944	4.68342	0.173842	1.11633	0.208611	0.310534	0.623062	0.013618	7.9939	0.547086	1.28463
CXCL11	0.130098	0.125367	0.0597925	0.208554	0.0449084	1.32933	0	0.141314	0	0.108858	0.146865	0.0103432	0.457	0.0528851	0.228357

CXCL12	20.9165	11.8758	17.4625	9.60292	17.7504	23.2705	16.6587	14.8484	0.468872	6.49574	17.1619	0.795105	6.0913	3.1508	58.9847
CXCL13	0.0577133	0.0834215	0.0636594	7.13703	0.119532	0.68799	0	0.0341939	0	5.04639	15.1585	0	2.13488	0.231254	2.98381
CXCL14	167.89	177.495	182.402	138.226	203.031	153.853	193.124	136.833	152.614	149.843	230.854	132.09	61.7781	113.188	45.8032
CXCL16	4.22972	4.74435	6.01785	18.6665	6.82465	22.5198	5.24739	5.29174	9.83327	12.0444	19.2082	6.4735	22.3103	7.07508	8.9802
CXCL17	0.345051	0.225626	0.0611679	2.59069	0.535983	0.81846	0.225124	0.197134	0.63035	0.433074	0.333874	1.00521	0.27033	0.528135	0.106186
CXCL2	0.904176	0.148305	0.286467	3.09271	0.448244	6.04449	0.461267	0.530005	0	3.42865	8.25248	0.50931	6.41707	1.5685	3.75739
CXCL3	0.20072	0.0580261	0.09963	2.0478	0.124715	1.84584	0.0687528	0.0891917	0	3.45137	6.95626	0.186707	3.4448	0.692374	1.41247
CXCL5	0.0372075	0.00896357	0	8.55058	0.245633	0.56235	0	0.0165335	0.0113286	24.7739	35.2612	0.173049	9.17032	1.97866	1.29579
CXCL6	0.01395	0	0	1.63885	0.0650075	0.320713	0	0.0123976	0	1.80339	6.92904	0	2.30412	0.160399	0.280475
CXCL8	0.228544	0.0289778	0.0696564	7.10281	0	0.389204	0.137339	0.245871	0.336938	99.7035	113.028	3.23615	29.0794	17.2381	21.3169
CXCL9	0.461494	0.609416	0.24745	0.942358	0.424805	4.22064	0.400068	2.23297	0.0416331	1.08336	2.5759	0.0489202	2.20007	0.848655	7.67087
CXCR1	0.0651655	0.0542364	0.0704123	3.72854	0.202466	0.389551	0.140058	0.0165468	0.207447	4.69057	8.82343	0.419622	4.95008	1.06944	2.36073
CXCR2	0.472307	0.50788	0.383283	4.78898	0.917056	0.642498	0.591602	0.419747	2.35555	4.7577	10.0184	0.771672	3.50875	1.12398	2.5823
CXCR2P1	0	0.0313221	0.0268898	0.0446621	0.0504904	0.0369026	0	0.0288871	0.0131955	0	0.0611555	0	0.0559243	0.00566272	0.0155601
CXCR3	0.235395	0.17311	0.256231	0.242581	0.769789	0.369224	0.198038	0.132126	0.0301773	0.0777487	0.293703	0.168431	0.351712	0.110077	0.658322
CXCR4	4.73201	0.723261	0.814181	2.91972	0.463262	4.33398	0.90804	2.84483	0.290574	4.20482	7.44046	0.519262	4.17553	1.45479	2.7697
CXCR5	0.67656	0.648308	0.560233	0.178111	0.659512	0.184992	0.789818	0.679449	0.00915546	0.11311	0.050759	0.144996	0.145333	0.137266	0.55776
CXCR6	1.41015	1.05626	0.90189	1.02579	0.809914	0.312794	1.16358	1.23216	0.404095	0.862632	0.548464	0.83942	0.718683	1.13338	1.17425
CXXC1	4.97816	6.61666	6.08063	7.88815	15.8049	11.2348	5.43445	3.55739	9.50298	8.2949	4.03424	8.02294	10.1188	8.31517	4.20216
CXXC1P1	0.0121998	0	0	0	0	0	0	0	0	0	0.0137721	0	0	0	0.0175205
CXXC4	0.10233	0.0591652	0.0711102	0.0126545	0.0381491	0.146383	0.0841231	0.138233	0	0.0154122	0.00462073	0.0351457	0.0184865	0.0128358	0.0117568
CXXC4-AS1	0.00779752	0.0450836	0.0322533	0	0	0.00663949	0	0.00692979	0	0	0	0.00557934	0	0	0
CXXC5	3.21956	2.50329	3.51471	2.60875	5.53065	4.95068	3.53906	2.89495	4.59766	4.29443	6.72742	2.05977	4.64736	2.39536	3.3998
CXXC5-AS1	0.240656	0.173927	0.398175	0.289336	0.436125	0.239068	0.549546	0.213875	0.0488486	0.302048	0.0905567	0.229594	0.0776349	0.188666	0.345612
CXorf21	0.216178	0.185169	0.278192	0.569321	0.205211	0.32724	0.123412	0.234815	0.0585068	0.618019	0.827018	0.0171868	0.984087	0.194584	0.672661
CXorf36	2.11572	1.12927	1.01881	2.11522	2.54522	4.03023	1.94695	1.01965	0.380309	1.46644	2.51909	0.647717	1.72046	2.10701	4.39389

CXorf38	2.15687	1.7295	1.87549	1.8063	1.05157	2.50682	1.44403	1.67432	0.901173	1.3239	1.83057	0.837362	2.00445	1.24796	1.92937
CXorf40A	0.787112	0.85109	0.928133	0.569355	0.840345	1.04568	0.675385	0.638633	0.286343	0.425354	0.715519	0.474137	0.705843	0.67327	0.7159
CXorf40B	5.24877	5.19028	4.61489	5.62274	7.46845	7.46013	3.65768	2.88497	4.02931	5.50321	10.6355	4.65681	6.77672	4.30033	5.26293
CXorf49	0	0.0045181	0	0	0.00485537	0.0079846	0.00356888	0	0	0.0313851	0.0458716	0.0111828	0.00403344	0.0114356	0.0179559
CXorf49B	0	0.0045181	0	0	0.00485537	0.0079846	0.00356888	0	0	0.0313851	0.0458716	0.0111828	0.00403344	0.0114356	0.0179559
CXorf51A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CXorf51B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CXorf56	3.39582	2.46021	2.54172	3.56813	2.7335	4.26842	2.42193	2.50227	3.13945	2.38774	6.0777	1.58584	3.15452	2.37635	2.29499
CXorf57	0.54538	0.391301	0.397231	0.323778	0.101291	0.615812	0.318117	0.405662	0.202151	0.193448	0.254297	0.0975584	0.164464	0.0712598	0.0681073
CXorf58	0.01496	0.00720793	0.0247519	0.0308333	0	0	0	0	0	0	0	0	0.0193042	0	0.0214844
CXorf65	0.314871	0.139067	0.325605	0.0270403	0.122276	0.0446848	0.0898775	0.209874	0	0.032933	0.0592418	0.0375498	0	0.068569	0
CXorf66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CXorf67	0.0240697	0.0115972	0.0199122	0	0.0373886	0.0307426	0.0687051	0.0106956	0	0	0	0	0	0	0
CYB561	7.89516	8.99179	10.0947	9.64613	15.2214	15.3149	9.93475	5.85116	10.8767	10.352	10.2062	8.25553	16.7829	6.8934	6.46799
CYB561A3	4.19006	6.08394	6.84378	6.12649	7.81389	8.75685	8.31712	4.05444	5.02226	4.65973	9.19817	3.38981	5.30973	3.97558	3.62634
CYB561D1	2.43682	3.73202	4.56642	2.66844	4.9215	4.48229	4.10423	2.60037	9.15463	2.38256	3.68301	2.08719	2.49008	2.12968	1.47588
CYB561D2	1.33424	1.33062	1.6848	1.88825	2.27504	2.17222	1.71772	1.02405	1.6075	1.28623	3.61212	1.02758	2.04255	1.51666	1.19959
CYB5A	8.61822	10.0511	11.6606	16.1303	8.21577	17.0312	9.50285	10.5462	14.7795	13.0408	24.7316	12.3908	8.7131	5.33216	4.89677
CYB5B	4.38994	3.58507	3.81482	7.49543	2.65047	9.14954	3.86557	3.81984	3.15	5.66571	9.24089	3.50044	7.99195	5.74017	4.62951
CYB5D1	2.41831	2.69868	2.50441	2.64164	2.03323	3.14717	1.96605	2.20722	0.868172	1.55801	1.24176	1.88295	1.84765	2.11378	1.25465
CYB5D2	3.39862	2.82944	2.70639	3.20456	2.6935	5.71887	3.14131	2.11635	3.22403	2.98884	6.08119	1.63775	2.55824	3.19004	1.95899
CYB5R1	9.97278	24.5071	29.7613	24.0528	21.727	21.2172	20.0713	9.95207	70.404	28.269	32.9472	24.9753	34.2077	20.5985	8.05117
CYB5R2	4.10658	3.60511	3.52201	5.35569	3.02729	8.47509	5.35103	3.5465	6.96515	7.97878	9.99193	5.90997	14.5725	8.74883	2.3657
CYB5R3	39.6791	34.7668	37.8292	36.0329	48.4827	53.5659	45.7976	26.5693	20.0931	31.0507	51.2864	29.652	28.5303	29.3945	44.7443
CYB5R4	3.04866	1.94033	1.89155	4.23497	0.639949	3.10455	1.71691	2.30665	3.83836	6.01104	8.42949	2.48355	6.05378	3.29439	2.17434
CYB5RL	0.502987	0.735208	0.649874	0.384389	1.05345	0.928756	1.09051	0.49724	0.392327	0.262451	0.56781	0.323506	0.142207	0.342634	0.543794

CYBA	11.0754	6.21538	8.1031	31.1727	28.8886	60.6171	11.2932	6.96966	2.92382	24.2258	82.0626	5.70305	25.4233	16.2613	27.0304
CYBB	3.77857	1.59332	2.19921	10.9803	2.38939	11.6374	4.73037	3.71055	0.359011	8.17323	15.9791	0.594423	9.32977	1.98325	10.1833
CYBC1	3.02779	3.56332	3.69729	10.2863	11.3417	16.2891	4.48257	2.60072	3.1582	5.03661	7.2939	3.86647	8.92168	5.42505	6.58485
CYBRD1	33.3048	23.8014	35.9606	11.524	6.13306	33.3986	36.5987	30.5925	4.57166	12.8473	25.1108	1.84329	9.3688	9.56212	26.6299
CYC1	18.9233	14.6386	16.3063	27.5604	25.4616	36.2501	20.1071	11.4672	24.5768	18.7604	37.6217	13.0302	30.0572	18.7413	10.8274
CYCS	4.82251	3.90213	3.30156	7.92833	1.9539	6.39787	3.38292	4.20786	11.7567	12.2629	13.2232	12.3613	12.1142	8.15545	4.27307
CYCSP52	0.223965	0.719398	0.926398	0.461605	0.46386	0.254271	0.767148	0.729819	0.545528	0.0936997	0.0842762	0.320506	0.048167	0.39018	0.107214
CYFIP1	8.18862	8.42338	9.45479	16.2728	9.51291	16.8529	5.39905	6.94199	12.38	14.3774	11.9049	10.1	21.9405	10.1148	9.65212
CYFIP2	0.899782	0.498966	0.589872	0.682317	1.87763	1.11598	0.899409	0.772494	5.88028	0.933286	1.13073	2.0602	0.690069	0.628202	1.23856
CYGB	3.97587	1.50204	1.52478	5.40634	5.55917	14.4694	5.91606	2.07006	0.676663	3.87468	9.70672	0.894276	3.84542	2.02699	6.42938
CYHR1	1.87934	3.11003	3.12042	3.18222	8.37611	3.84507	2.71443	1.62889	3.10568	2.69215	3.11858	2.11448	2.35224	1.85338	1.70712
CYLC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CYLC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CYLD	4.48928	5.13642	6.2014	4.05212	2.59667	4.80952	3.2021	5.67633	4.01419	4.12696	3.66737	2.76648	5.14677	2.46174	3.81624
CYMP	0	0	0	0	0	0	0	0.0165734	0	0	0	0	0	0	0
CYMP-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CYP11A1	0.142976	0.0551104	0.110395	0.10805	0.162867	0.795382	0.0326491	0.127065	0.0116086	0.0239266	0.0538007	0.0136404	0.0614983	0.0398536	0.0821327
CYP11B1	0	0	0.005416	0	0.0101695	0.0111491	0.00747496	0	0	0	0	0	0	0	0
CYP11B2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CYP17A1	0.0742558	0.137147	0.0921444	0	0.0768966	0.0316139	0.0423914	0.0549936	0	0.0621324	0.0139709	0	0.00798491	0.0129364	0
CYP19A1	0.499009	0.123055	0.146273	0.465654	0.207516	24.4874	0.331982	0.502842	0.00478534	0.172605	0.319362	0.0140573	0.0912638	0.104732	0.253928
CYP1A1	0.767126	0.0290707	0.0285223	0.648424	0.0133889	0.388983	1.09239	0.367689	0.0104974	0.0108182	0.0583813	0.0061674	0	0.0270292	0
CYP1A2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CYP1B1	3.30551	0.383014	0.274941	1.94388	1.10924	8.71531	2.887	1.13755	0.00546975	1.49378	3.00143	0.208881	1.10981	0.387302	2.86376
CYP1B1-AS1	0.369655	0.0445264	0.0982944	0.02721	0.0410144	0.134896	0.452207	0.234656	0	0	0.0596135	0	0.0340714	0.0344996	0.189597
CYP20A1	2.23754	2.24198	2.31468	1.84511	2.2963	1.87462	1.98729	2.15581	1.17451	1.27941	2.16301	1.13889	1.69335	1.58725	2.58772

CYP21A1P	0.0235583	0.016069	0.028907	0.0129855	0.028551	0.0745016	0.0391177	0.0262549	0	0	1.52E-37	0.00180642	1.01E-06	0.00649888	0.0334632
CYP21A2	0.00302538	0.00755567	0.0224913	0.00374602	0.0222759	0.0419405	0.0226974	0.00908304	0	0.00172047	2.91E-33	0.00333775	0.00530277	0.00238729	0.0405937
CYP24A1	0.0566884	0.119496	0.0879313	2.28565	2.02531	0.337886	0.153722	0.27709	1.79504	0.613667	1.23189	1.3639	1.12011	0.862912	0.376529
CYP26A1	0.140035	0.0494786	0.0540617	0.14431	0.10151	0.58029	0.0106591	0.0165935	0.0909581	0.0234344	0.0843102	0.0133598	0.74689	0	0
CYP26B1	3.98753	5.69511	6.86656	6.35497	10.4392	8.63744	8.39819	2.59579	18.6586	4.7115	4.89713	7.86186	10.92	6.19642	4.80745
CYP26C1	0.0147502	0.0142137	0.0366072	0	0.0458243	0.0376788	0	0	0	0	0	0.0105542	0	0.0231273	0.0423663
CYP27A1	4.81432	2.10564	2.22099	3.57796	6.23976	4.90716	3.21513	1.77601	0.688354	2.40685	6.4602	0.447748	2.2466	1.36622	3.31929
CYP27B1	0.241946	0.264531	0.169362	2.06179	0.477009	1.14892	0.286871	0.289452	0.271996	1.17963	1.20806	0.87891	4.60502	2.79652	1.30968
CYP27C1	0.459403	0.761626	0.788707	1.39992	1.6344	0.929568	0.580933	0.825339	1.65444	2.96359	1.24912	3.02206	3.07878	2.7186	1.958
CYP2A13	0.0262989	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CYP2A6	0.499466	0.215077	0.227013	0.0540807	0.200246	0.115836	0.353447	0.336561	0	0	0.0740522	0.0513876	0.0507884	0.102853	0.25404
CYP2A7	0.120513	0.0874897	0.134411	0.0104101	0.0811885	0.074238	0.316082	0.153827	0	0	1.91E-17	0.0182575	9.92E-12	0.0316776	0.0800367
CYP2B6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CYP2B7P	0.0874823	0.0651414	0.08553	0	0.0494146	0.0677182	0.0272412	0.0706791	0	0	0	0	0.025656	0.00415655	0.0456857
CYP2C18	0.236432	0.648448	1.11338	0.0749692	0.409637	0.108402	0.571049	1.0991	0.310097	0.10272	0.0615928	0.208213	0.0352026	0.104559	0.0914163
CYP2C19	5.73E-20	0.129542	0.134274	0.0104841	0.0316175	0.0190626	0.019171	0.290881	0	0	0	0.0440518	0	0.00726027	0
CYP2C8	0.0914745	0.0275461	0.0472964	0.106051	0.106569	0.0389447	0	0.101619	0.0278514	0.0143512	0.0903554	0.130905	0	0.101593	0.0656845
CYP2C9	0.0124358	0.0836567	0.205756	0.0023361	0.0263338	0.0211779	0.0283976	0.315201	0.0151454	0.0156082	0.028077	0	0.00802352	0.0228652	0
CYP2D6	0.706862	1.11251	0.870019	0.396212	1.7496	0.672657	1.04195	0.766856	0.0365383	0.179877	0.0857292	0.647024	0.0801318	0.275513	0.260401
CYP2D7	0.815542	1.25402	1.57092	0.480184	1.6074	0.89027	1.56733	1.06009	0.202175	0.341723	0.0946217	0.718563	0.0891049	0.521958	0.829373
CYP2E1	1.45772	0.86289	1.44712	1.05871	0.646955	0.508313	1.93385	2.2332	0.659412	0.575014	0.485839	0.208608	0.313505	0.166885	0.63801
CYP2F1	0.112649	0.0723678	0.0724818	0.103189	0.0777699	0.031973	0.171492	0.100113	0	0.031419	0	0.0268677	0.0161512	0.0523335	0.215704
CYP2G1P	0.0737333	0.0444073	0.0686221	0	0.0572667	0.0470872	0.073663	0.0901011	0	0.0115679	0	0	0.00594655	0.0626214	0.145599
CYP2J2	1.10366	2.13246	2.08691	0.615099	2.02925	0.594537	2.85456	1.46125	1.92019	0.240291	0.394109	0.701058	0.108991	0.123604	0.0161734
CYP2R1	3.30411	3.053	3.04104	2.25525	0.955385	2.46021	1.78011	2.84743	7.2119	2.80057	2.19597	2.85543	1.67037	2.16793	1.43791
CYP2S1	0.573284	0.92214	0.744225	1.71782	1.13711	1.22412	0.604207	0.658415	0.397435	3.57551	1.41381	1.62818	6.07742	1.5396	1.03864

CYP2T1P	1.10806	1.19363	1.30419	0.482748	1.41334	1.08157	2.38628	1.52116	0.318172	0.316588	0.274578	0.644588	0.133683	1.04053	2.13468
CYP2U1	1.05196	0.537132	0.57614	0.547055	0.353114	1.55078	1.17885	0.740123	0.22539	0.69072	1.38452	0.13242	0.51218	0.354117	1.10508
CYP2W1	0.0904025	0.648692	0.84759	0.0414055	2.38725	0.0769766	1.49094	0.169611	0.0489334	0.0378215	0.0680355	0.344989	0.0583273	0.173244	0
CYP39A1	0.814362	2.44547	2.1621	1.89313	0.882549	0.572474	1.70826	1.54005	1.89134	1.41431	1.63552	1.84973	0.98975	0.564195	0.421574
CYP3A4	0.133483	0.269968	0.263491	0.0795118	0.0772546	0.0141893	0.124039	0.141801	0.183035	0.0104036	0.0467866	0.0239102	0	0.00437936	0.0238083
CYP3A43	0.0114456	0.0330881	0.0284059	0.011795	0	0.0292374	0.0653412	0.0406877	0	0	0	0	0	0	0
CYP3A5	2.52887	4.52068	4.56741	0.793948	1.66498	0.761043	2.69848	3.38528	3.5736	0.567766	0.472216	1.79142	0.113406	0.338386	0.421785
CYP3A7	0.0948777	0.0411514	0.0551745	0.0175382	0	0.0378598	1.51E-24	0.204515	0.0135378	0	0	0.0238609	0	6.62E-22	0.0884366
CYP3A7-CYP3A51P	0.0661407	0.0508554	4.03E-19	0.0154881	0.0158926	0	0.0350451	0.0208906	0	0.0128412	0	2.68E-28	0	0.0427783	0.0508409
CYP46A1	0.111425	0.0858983	0.0921789	0.0574135	0.207699	0.275144	0.139944	0.0693179	0	0.0419551	0.213835	0.0637823	0.0862693	0.0349415	0.192025
CYP4A11	0.384199	0.246658	0.251803	0.0274659	0.124201	0.0529528	0.268623	0.210664	0.0216396	0.0111504	0.010029	0.031784	0	0.0232161	0.076552
CYP4A22	0.34627	0.136288	0.230016	0.0389954	0.0235115	0.0708849	0.263703	0.177013	0	0.028496	0.00854337	0.0541513	0	0.0158215	0
CYP4B1	1.984	2.08753	2.03167	0.232086	2.36551	0.0913161	2.4122	1.80133	0.91427	0	0.0726384	0.115103	0	0.00560499	0
CYP4F11	0.0068168	0.262755	0.327082	0.105374	0.751808	1.3118	0.241279	0.0908731	0.481522	0.983917	0.80801	0.941377	2.40141	0.630609	0.127267
CYP4F12	4.35657	9.91201	9.88	2.06291	5.28575	2.83114	9.33156	4.83217	5.53936	0.669991	1.26781	3.73205	0.165032	0.552176	0.223599
CYP4F2	0	0.0294965	0.0167555	0.0100641	0.0336976	0.0423087	0.0464104	0.0357908	0	0.0125118	0.023257	0	0	0.0212358	0
CYP4F22	7.5399	10.2745	10.4937	13.9587	20.627	17.6516	17.3999	10.8317	77.7725	24.1371	36.6199	30.2818	30.0982	14.4136	4.10199
CYP4F24P	0.311638	0.0594262	0.0628031	0	0.0294331	0.00817762	0.0759636	0.0506848	0.0116083	0	0.0213075	0	0	0	0
CYP4F29P	0.148451	0.129877	0.425739	0.0323597	0.0332411	0.0715856	0.0619796	0.0860065	0.0220372	0.204396	0.102133	0.0776832	0	0.00945705	1.39E-20
CYP4F3	0.413664	1.12694	0.738778	0.616487	0.97239	0.445535	1.12826	0.694646	1.56537	1.29764	1.38307	1.15224	0.652938	0.520329	0.371296
CYP4F30P	0	0.00495806	0.016491	0	0.0309647	0	0	0	0	0	0	0	0	0.00520924	4.53E-07
CYP4F35P	0.977857	0.349342	0.3166	0.0414631	1.42268	0.248323	0.101065	0.169144	0.068602	0.0100998	0.0726721	0.0575781	0	0.00841138	0.19646
CYP4F62P	0	0.004623	0.00049871	0	0.00093642	0	0	0	0	0.0120427	0	0	0	0.00015753	0.0551179
			7		9									7	
CYP4F8	0.0485943	0.00585337	0	0.112675	0.0377419	0.0103444	0.0277417	0	0.0295912	0	0.0411427	0.00869264	0	0	0
CYP4V2	2.21212	1.33566	1.41559	1.64086	0.937058	2.61825	1.73576	1.49841	0.233544	0.790392	1.78281	0.225862	0.726908	0.759176	1.65334

D2HGDH	2.62147	6.2898	5.77581	2.82884	12.5589	4.55448	3.58769	3.20829	1.37596	1.52878	1.40492	3.33464	1.19591	2.19122	2.80139
DAAM1	9.95867	12.6017	15.0874	11.3734	5.13817	10.0856	9.06495	13.6053	22.7631	18.381	12.2249	15.143	20.4288	11.2323	5.92271
DAAM2	3.72413	1.72028	2.18037	1.27771	3.09082	6.92955	4.56009	2.04452	0.575404	1.62032	1.86188	1.14206	1.55208	3.63587	7.45727
DAB1	0.0357192	0.0143417	0.00738736	0.190183	0.0508605	0.0735015	0.0679717	0.00264535	0	0.0336234	0.0201613	0.00212984	0.113309	0.0871192	0.0299234
DAB1-AS1	0	0.0290887	0.0166483	0	0	0	0	0	0	0	0	0	0	0	0
DAB2	9.67257	4.44952	6.5247	8.07599	4.85989	20.5844	10.8084	8.65448	1.2497	8.92057	19.0109	1.96512	7.21104	5.77047	18.0304
DAB2IP	8.31055	7.45269	7.10164	8.99548	18.7549	16.3592	9.77962	5.81988	9.9822	6.49998	4.94419	7.48481	11.2513	8.70481	10.2518
DACH1	0.459942	0.470915	0.559769	0.396506	0.68697	0.429292	0.504949	0.514879	0.118495	0.432956	0.883669	0.139235	0.393767	0.450723	1.16864
DACH2	0.0369108	0.0133381	0	0	0.0143338	0.0157145	0.0316076	0.0082008	0	0	0	0	0	0	0
DACT1	1.15584	0.217698	0.478096	0.530592	0.865065	1.95047	0.557873	0.340848	0.0319928	0.975922	1.73776	0.1015	1.50843	0.540937	3.31986
DACT2	0.827516	0.921521	0.965666	0.513927	0.834245	0.979933	1.49546	0.472427	0.00667432	0.11693	0.0618651	0.0666614	0.0530373	0.0143211	0.24398
DACT3	1.43795	0.304074	0.462613	0.26344	1.78691	3.55756	1.58708	0.37628	0.26269	1.03273	2.41687	0.108605	0.788596	0.647156	1.65207
DACT3-AS1	0.0277828	0.0535447	0.0229839	0.0143155	0.0863125	0.118283	0.0158607	0.11111	0	0	0.0470449	0.029819	0.00896265	0.0508217	0.119699
DAD1	25.8658	16.494	19.3653	41.8822	14.4931	41.1366	21.6093	16.2888	26.285	44.383	96.8934	20.5033	42.1175	27.8701	21.6012
DAG1	10.1376	8.76265	9.31586	9.99492	9.40577	13.8687	13.8191	8.02362	11.269	8.98763	9.95795	7.98979	15.0943	7.1513	7.8591
DAGLA	0.490353	0.238196	0.40898	0.302365	0.717984	0.773456	0.770967	0.332197	0.0244752	0.232052	0.362982	0.0834013	0.290441	0.291991	0.813881
DAGLB	3.67425	3.95067	4.26336	4.27817	5.99152	5.54611	5.13041	3.1947	5.76302	4.22227	3.7707	4.31344	3.2378	3.83234	3.67771
DALRD3	3.26865	3.5637	3.37246	5.09818	5.84977	6.67284	3.61009	2.11237	3.19044	3.74516	6.81428	3.11101	3.52435	2.51658	2.30274
DANCR	5.92514	4.67266	3.02468	5.54486	2.15494	5.11142	5.98055	2.81148	5.54239	4.13329	5.98621	4.14683	4.64265	5.48875	2.10404
DAND5	0	0.0257521	0.011054	0.01377	0.0622676	0.0341328	0	0	0	0.0335415	0	0.0191218	0.00862112	0.0349179	0
DANT1	1.11167	1.07124	0.856952	0.31244	0.313966	0.387236	0.663485	1.10023	0.0307703	0.0634212	0	0.216936	0.0163011	0.290505	0.326558
DANT2	1.57932	1.10726	0.963141	0.479913	0.204435	0.206887	0.751338	1.58351	0.0123297	0.190597	0.0342856	0.470851	0	0.497368	0.494329
DAO	0	0	0	0.0298867	0	0	0	0	0	0	0	0	0	0	0
DAOA	0	0.00997377	0	0	0.0321549	0	0	0	0	0	0	0	0	0	0
DAOA-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAP	10.5143	7.40361	7.49641	12.149	10.1308	25.8563	12.0611	7.7019	6.87186	10.8027	22.8463	6.06659	12.9233	10.2209	16.6465

DAP3	11.347	8.87724	10.4839	15.1358	8.44814	16.826	9.43966	8.59997	10.2089	11.9096	13.6815	7.78302	14.9452	9.34588	8.20041
DAPK1	2.61119	1.27233	1.88556	1.33786	1.87909	3.83128	2.46765	1.31436	0.260521	0.768412	1.40724	0.282369	0.944688	1.09101	2.42055
DAPK1-IT1	0.0669842	0.145233	0.193949	0.0690292	0.0520248	0.171109	0.229441	0.208355	0	0.0840721	0.113425	0	0	0.0175044	0.384791
DAPK2	2.31224	3.55775	4.23559	1.99988	0.844479	2.19737	1.81503	2.28122	1.52536	0.820534	0.924457	1.77265	1.08336	0.870393	0.780753
DAPK3	4.87908	6.08701	7.28526	10.3864	13.726	14.0245	5.71948	2.93823	19.1077	14.0708	8.99129	8.036	22.0809	12.97	9.56804
DAPL1	54.0005	33.0002	20.3091	19.3256	22.3772	75.8119	24.7208	31.3249	84.6607	18.2947	54.7531	42.8473	1.48493	8.42012	1.22417
DAPP1	2.16073	2.76629	3.17283	3.1333	1.05486	2.16839	1.67408	2.98331	5.5356	4.8428	4.00726	3.38479	7.37889	3.4121	1.85077
DARS	9.04895	8.97353	9.55646	14.5987	4.12671	14.5747	6.52015	8.87282	12.142	10.8378	12.9866	7.55783	12.5093	8.94242	5.90507
DARS-AS1	0.672703	0.893194	0.819535	1.04912	0.753449	0.438853	0.364593	0.552276	1.17649	0.672698	1.29201	0.777087	0.492559	0.805655	0.240872
DARS2	1.97006	1.84845	2.14444	3.83246	2.02939	2.99004	1.90998	1.8184	1.59954	2.49866	3.08232	1.77564	3.93364	3.04196	3.2462
DAW1	0.0209914	0.0657409	0.0347312	0.0324484	0	0	0.0239673	0.0373109	0.102261	0.0395196	0	0.0375498	0	0.010971	0
DAXX	0.989145	1.21575	1.20474	2.1481	2.25937	2.66384	1.07683	0.809872	2.44812	1.54129	1.29839	1.3826	2.39979	1.86996	1.25535
DAZ1	2.79E-09	2.20E-07	5.81E-08	1.52E-09	1.30E-08	2.52E-11	4.02E-08	7.53E-09	0	0	0	0	0	7.70E-10	0
DAZ2	0.147225	0.0389363	0.0109236	0.0040188	3.73E-05	0.0485513	0.00011511	0.13008	0	0	0	0	0	0.00203818	0
DAZ3	0.111134	6.27E-05	0.00037446	0.00013974	0.00119869	2.32E-06	0.00123429	0.22581	0	0	0	0	0	7.09E-05	0
DAZ4	0.150878	0.0137515	0.0306353	0.00104338	0.00894991	1.73E-05	0.0207346	0.0723818	0	0	0	0	0	0.00052916	0
DAZAP1	12.586	12.2449	12.3741	29.3514	21.4628	30.595	14.1973	11.0149	14.5046	21.5223	20.5199	18.2059	40.1461	23.0884	15.147
DAZAP2	26.3481	18.2922	20.5492	32.1887	8.20096	46.4685	21.8564	24.494	20.9773	23.7374	39.137	13.9493	36.0273	17.8451	21.3924
DAZL	0	0	0.00563271	0	0	0.00579759	0	0	0.00829233	0.128186	0.307451	0	0.00439299	0.00355857	0.244457
DBET	0.00688167	0.0132628	0	0.028367	0.203103	0.0410176	0	0.0122317	0	0	0	0.0196961	0	0.00359666	0
DBF4	0.712487	0.59215	0.563537	1.25749	0.138018	1.07104	0.312226	0.710681	0.62763	0.780632	1.21032	0.699338	1.27211	1.08975	0.748605
DBF4B	0.242195	0.430036	0.371038	0.494555	0.613086	0.763799	0.522335	0.28699	0.131096	0.202653	0.177209	0.381895	0.399338	0.564929	0.772938
DBH	0.0251555	0.038156	0.0208104	0.0518469	0.117225	0.0856783	0.0861652	0.0298081	0	0.0105242	0	0.029999	0	0	0.108379
DBH-AS1	0.0518205	0.047717	0.0600174	0.0106805	0.257585	0.114724	0.142001	0.0644753	0.0126223	0.026016	0.0818985	0.0519106	0.00668687	0.0108335	0.089305

DCN	104.397	90.7946	128.216	94.1332	52.0669	145.679	112.986	91.2815	24.4353	77.1771	193.345	16.0783	35.6784	32.358	120.042
DCP1A	3.78787	3.03993	3.3103	3.20772	1.51097	4.06981	3.1228	3.24094	2.10451	2.55663	3.19518	1.99521	4.03383	2.65358	2.98563
DCP1B	1.02894	1.11743	1.00885	0.869605	0.668074	1.88669	0.926176	0.94347	0.702818	0.662797	1.46269	0.557047	0.446091	0.793851	1.04768
DCP2	1.95167	2.36071	2.30728	3.69037	1.19149	2.47918	1.34218	2.74285	1.97061	2.7714	3.4764	1.58644	2.69117	2.4433	2.4313
DCPS	1.8455	1.75126	1.81279	1.8894	1.79246	3.99188	2.2127	1.57937	0.817756	0.893208	1.69299	0.822795	1.5876	1.1978	1.31075
DCST1	0.28099	0.520627	0.32758	0.0874622	0.382467	0.122763	0.30388	0.335253	0.112943	0.015032	3.87E-27	0.181983	0.00723049	0.0419406	0.0993609
DCST1-AS1	1.01363	1.73013	1.75817	0.881804	1.78252	1.49865	1.5533	0.940877	0.921069	0.679364	0.713381	0.794475	0.397593	0.449082	0.527384
DCST2	0.602733	1.10631	1.1872	0.13803	1.12945	0.309561	0.797417	0.960786	0.151473	0.144094	0.0432007	0.273823	0.0185181	0.100005	0.370972
DCSTAMP	0.0116707	0	0	0.0481081	0	0.0496874	0	0.010372	0	0.0585918	0.105398	0	0.0301196	0.00609963	0
DCT	3.08308	7.75059	9.38864	3.74538	2.11022	7.00062	10.1071	9.32929	2.43879	0.132862	0.149375	0.561766	0.150826	0.0230524	0.126687
DCTD	7.31463	5.41164	6.28928	12.8598	5.46377	17.3302	6.36183	5.47757	5.64688	9.2007	16.9297	6.75533	12.0329	8.99119	8.6793
DCTN1	12.0675	11.8083	10.5026	18.4389	23.9475	24.2735	12.5405	8.11861	18.6638	16.986	10.273	16.3244	25.6734	13.6413	11.1271
DCTN1-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DCTN2	11.247	11.7929	11.4524	21.4086	16.0396	24.8302	15.1553	8.25671	30.8677	24.0592	33.0081	18.6691	31.0282	15.9469	13.3551
DCTN3	12.6534	11.5699	12.3941	17.1359	17.2073	26.5552	16.5419	10.2211	23.0585	16.7669	28.701	13.4293	15.3414	12.7101	8.27531
DCTN4	7.49072	6.86686	6.86273	10.5229	3.50074	10.1292	6.95376	7.51072	9.96601	8.80907	10.0069	7.00318	12.6568	7.49352	6.6273
DCTN5	4.68876	4.60487	4.6931	7.51342	3.8545	6.97346	4.43152	3.84476	7.62689	6.51728	6.22132	4.27004	9.95605	6.70305	4.53705
DCTN6	8.40631	5.37728	6.07013	10.8869	1.75595	10.693	4.22408	5.66249	14.4933	13.8012	25.824	8.69152	13.3007	9.36708	5.6673
DCTPP1	4.72412	3.51694	3.92222	10.4221	4.02672	11.2979	4.26443	2.36444	2.24322	5.30848	12.572	2.96533	8.12056	6.06116	3.67388
DCUN1D1	2.62507	2.23825	2.47226	3.05871	0.406409	2.2253	1.78572	3.47229	2.98817	2.91893	3.38999	1.84295	3.25419	2.41119	2.2127
DCUN1D2	3.32361	2.17355	2.22217	1.19519	1.75879	2.02509	1.77682	1.99293	1.14455	1.38386	1.38003	1.48702	0.985921	1.67233	2.10676
DCUN1D3	3.60573	2.67136	3.04844	7.2023	2.68916	3.42029	3.60014	2.45028	11.277	8.13749	7.4085	6.2071	14.9099	4.91826	4.14913
DCUN1D4	1.82604	2.14382	2.30057	2.12019	0.359339	2.15836	1.38807	1.90279	1.14493	2.92816	3.61714	1.28546	2.18484	1.78527	2.3821
DCUN1D5	1.63724	1.27884	1.24256	1.41035	0.943892	1.35263	1.04996	1.82201	0.90695	1.40539	2.0823	0.936672	1.76715	1.50029	1.02545
DCX	0.0358362	0.00805768	0.0158113	0.00738606	0.00371107	0.0122056	0.0436444	0.0297251	0	0	0	0	0	0	0.0308792
DCXR	12.7301	9.96701	6.76677	15.2475	25.9319	21.7028	10.4548	7.76558	19.0057	7.7435	16.8918	11.2061	6.48427	8.47712	4.32995

DDA1	3.32642	3.84817	3.85071	4.41074	5.93421	6.6315	4.97759	2.93102	8.73153	4.59535	6.31193	4.47191	6.61071	4.14163	3.45651
DDAH1	0.919725	0.869415	1.19504	1.02507	0.411513	1.66415	0.856069	0.804048	0.706163	1.24845	2.52229	0.525754	1.37708	1.1756	3.1011
DDAH2	1.45734	1.20024	1.27518	1.32691	3.04525	1.7943	1.47188	0.758339	4.17368	1.2322	2.07671	1.01541	2.18639	0.986255	0.913595
DDB1	18.5739	19.7927	20.4993	29.4123	19.7654	37.2858	23.4637	15.9923	22.7892	20.6182	21.8253	15.8904	30.3743	17.9379	17.4346
DDB2	8.37807	9.60602	10.3187	7.58848	7.33376	13.9264	8.03583	8.22483	2.3488	5.07693	10.1506	3.45885	5.69639	5.31474	5.34156
DDC	0	0	0.00769826	0	0	0	0	0.00827005	0	0	0	0	0	0.00486352	0
DDC-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DDHD1	2.61165	1.46018	1.54557	1.128	0.827977	1.98092	1.53676	2.10873	2.8572	1.14783	1.75485	1.36487	0.740725	1.18886	1.55404
DDHD2	4.60655	3.73461	4.20205	2.84262	1.26706	5.2008	3.27994	3.54758	1.64132	3.15545	3.98135	1.76225	3.90267	3.41058	4.1425
DDI1	0.362855	0.0980748	0.175715	0.0547218	0.123726	0.286359	0.293038	0.196631	0	0.0111078	0.00999068	0.012665	0.0171301	0.10176	0.660914
DDI2	6.05559	6.32677	6.01117	8.61581	8.45783	8.60122	5.29513	4.33185	8.13072	5.35712	5.75184	7.4152	7.33912	5.34345	3.11392
DDIAS	0.25332	0.14396	0.295539	1.03752	0.0504479	0.774302	0.163157	0.24822	0.189855	0.489142	0.909226	0.274209	1.29495	0.614453	0.531707
DDIT3	2.96656	2.37591	2.74669	2.10557	3.3874	5.65419	1.83936	1.519	1.45953	3.35346	6.12112	1.22298	2.07879	1.6634	1.7775
DDIT4	26.0806	13.4331	9.80813	70.7306	32.3727	70.5653	8.03749	14.97	23.5605	46.7673	90.4463	46.9895	44.0441	37.3863	13.7012
DDIT4L	0.641398	0.232835	0.218059	0.126763	0.0818887	1.14465	0.441403	0.171787	0	0.0771938	0.366989	0.0125736	0.14739	0.123986	0.656147
DDN	0.0556323	0.0387176	0.0664776	0.121032	0.0489374	0.137027	0.129138	0.0494414	0.0225846	0.0775826	0.055824	0.0690568	0.165994	0.118597	0.124281
DDN-AS1	0.224975	0.293969	0.247926	0.211657	0.432795	0.125481	0.254566	0.235541	0.207729	0.244606	0.18844	0.147889	0.242942	0.216247	0.080157
DDO	0.243754	0.0652468	0.123231	0.0558211	0.210352	0.368983	0.108232	0.0962791	0	0.0849822	0.214019	0.00968957	0.0698972	0.0424654	0.0972392
DDOST	24.696	17.0379	18.4977	34.7626	21.7501	54.9264	24.3804	16.5912	25.1016	29.1508	53.2301	17.4073	34.4605	24.2217	26.9917
DDR1	3.55612	5.7902	5.23587	6.43016	9.61796	6.88786	3.63905	2.96459	4.99021	3.07512	2.02421	4.61822	5.75915	3.04515	1.38693
DDR2	6.69383	2.81881	4.3831	5.66747	2.37772	11.408	5.80855	4.30011	0.409784	5.1985	7.56465	0.803644	8.1623	4.03589	14.3601
DDRKG1	7.95433	8.10497	8.585	13.6438	21.4113	17.6128	7.97932	5.08729	14.3281	8.6171	10.9815	8.6064	6.54823	8.22278	6.2791
DDT	11.0583	9.59925	9.17427	20.8789	18.3038	18.0507	12.9113	6.83732	17.6189	12.6549	29.9962	12.1219	12.8199	12.8071	3.66248
DDTL	1.13994	1.44988	1.17741	0.832297	1.20666	1.09358	1.45009	1.06488	0.242204	0.479836	0.797039	0.463321	0.239803	1.00952	0.921448
DDX1	16.5573	13.3475	12.482	22.0485	6.72817	25.1268	9.27394	11.0379	23.4246	23.8225	26.3448	14.5054	33.094	16.7864	13.0714
DDX10	3.2474	3.00289	3.19093	4.1576	2.41203	4.14164	1.96723	2.08575	2.03793	2.1269	2.92152	2.36926	3.30292	3.67981	2.34202

DDX11	0.782215	2.04298	1.1989	3.53552	5.71934	3.57792	2.64301	1.0031	0.629743	1.24176	1.32121	2.45452	2.21029	3.21401	2.27093
DDX11-AS1	0.182318	0.164707	0.179107	0.164399	0.123902	0.310484	0.286227	0.162029	0.0416331	0.0429053	0.0643171	0.0733802	0.117631	0.101243	0.0163645
DDX11L1	0.261625	0.286088	0.247234	1.63E-13	0.0144165	0.0280807	0.24162	0.025995	0.284589	0.0176439	2.57E-08	0.127958	1.10E-20	0.0763937	0.332682
DDX11L10	3.23E-05	0.155288	0.134099	2.25E-12	0.288448	0.0018703	0.152626	0.0503247	1.43E-19	7.91E-05	0.121441	1.01E-06	3.65E-29	1.33E-07	1.78E-20
DDX11L16	0.0583569	0.115184	0.0848036	8.63E-10	0.0265999	0.0413936	0.0710011	0.117088	8.10E-19	1.77E-15	3.54E-26	5.40E-12	0.0300596	0.0159019	0.0137075
DDX11L2	0.960258	1.08012	1.07946	0.242009	0.609183	0.985137	1.36983	0.948087	0.346252	0.273163	0.0321138	0.317246	0.573285	0.715414	0.396027
DDX11L5	0.109363	0.0553146	1.23E-08	0.0618621	0.0729755	0.122497	0.282356	0.169875	2.86E-15	0.04291	2.46E-26	0.166064	0.0106008	0.146286	1.80E-36
DDX11L9	0.477901	0.29688	0.520476	0.0759532	0.229502	0.173599	0.180172	0.501702	5.99E-05	0.043949	0.0545599	0.0672385	0.00337875	0.0293062	0.428326
DDX12P	1.08742	1.723	1.6749	1.77142	1.92277	1.31336	1.61189	0.964668	0.218891	0.457653	0.312645	0.951242	0.330989	1.19104	0.574085
DDX17	51.0943	72.7162	72.6222	59.725	51.87	47.4184	57.7916	52.7142	56.6168	40.7176	41.8033	45.2367	39.8918	54.0843	48.696
DDX18	8.84538	6.53048	7.21073	11.8076	2.32977	13.0745	5.20058	7.61521	5.71948	7.32923	9.35387	5.18995	11.2078	7.96733	7.14162
DDX19A	5.83717	5.04633	4.99011	8.69183	6.76114	10.1718	5.72743	3.88372	4.57717	4.21888	5.43886	4.20042	7.5283	5.52796	5.35783
DDX19B	3.96686	3.62775	3.60529	3.63132	3.26075	6.23393	4.5414	3.15685	5.8118	3.0595	4.21432	2.77328	4.09366	2.15405	2.68421
DDX20	2.2154	1.63607	1.69637	3.05764	1.30072	3.54259	1.4153	1.86925	1.30088	1.54751	2.41904	1.14171	2.89702	2.32262	1.94115
DDX21	10.6382	9.2072	10.227	23.0606	4.21708	20.4082	7.47833	10.0319	17.104	13.3807	11.4994	13.6339	35.841	21.3608	10.8494
DDX23	7.67893	8.12323	8.64393	13.9871	13.1604	18.2161	7.40066	6.12559	8.43757	7.36175	5.66175	7.71964	16.1658	9.76309	8.18955
DDX24	15.2534	12.9322	14.4566	16.164	14.1577	28.2154	14.1083	12.342	13.2993	11.9912	11.9019	9.48743	18.8116	12.6659	13.856
DDX25	0.0106112	0.352772	0.737381	0.0874813	0.0164829	0.117459	0.121155	0.216898	0	0	0	0.0911113	0	0	0
DDX27	5.15492	6.10735	5.37697	8.60577	8.70359	12.5673	4.89999	4.26402	6.64201	4.7717	3.62649	5.10804	9.43143	6.73763	4.42276
DDX28	1.83447	1.698	1.87833	3.98887	3.32036	4.0843	2.08748	1.51749	3.1481	1.92018	3.9533	2.19085	3.5568	2.27326	1.65475
DDX31	1.95435	2.1116	2.34697	2.08853	1.64194	2.45162	2.18434	1.70245	1.55147	1.01824	1.36263	1.53814	1.5308	1.64342	1.23205
DDX39A	5.36497	4.79331	4.52531	14.8983	8.19359	14.1269	6.48589	3.79298	7.41246	11.2604	15.1663	8.17225	19.0136	12.2763	7.48898
DDX39B	3.83616	3.69775	3.59805	5.49124	3.76702	6.74578	3.98054	3.01835	2.25454	3.25875	4.72852	3.01912	3.61818	4.40507	3.5946
DDX39B-AS1	0.0250941	0.00302268	0	0	0	0.0213673	0	0	0.00764045	0	0	0	0.0080953	0	0
DDX3X	20.377	21.7104	20.1133	30.0833	13.2289	29.0193	20.3569	21.7354	60.6461	31.3377	30.1725	28.7162	55.037	28.023	18.1635
DDX3Y	6.66298	5.24072	6.10258	6.05597	2.08459	7.21643	0.317185	6.1266	2.84198	6.25461	5.4905	3.46481	9.24859	6.41747	6.32198

DDX4	0.00781332	0	0	0.00805185	0	0	0.017842	0.00694383	0	0	0	0	0	0	0
DDX41	7.11767	7.55025	6.47501	11.7813	13.089	15.8742	6.48792	5.41015	13.9538	12.8862	11.0088	11.4363	12.8125	10.6969	6.18404
DDX42	15.3535	13.4745	14.5587	15.3999	10.8896	21.3415	9.73675	10.4968	10.3439	11.92	8.91711	8.5832	16.1076	11.0853	11.2364
DDX43	0.309032	0.612129	0.447393	0.398083	0.18668	0.358158	0.196024	0.221239	0.846824	0.463285	1.0175	0.7125	0.210463	0.264703	0.0493121
DDX46	6.99309	5.66973	5.63473	6.33026	3.33625	7.93824	3.54518	4.91783	5.53977	4.50769	4.40712	4.03587	6.98474	5.96404	4.91926
DDX47	7.00537	6.23511	5.70048	12.2725	5.18364	10.444	4.78453	5.35413	7.50793	7.03394	10.1943	5.11272	9.95992	8.62739	6.51191
DDX49	6.25217	5.75147	5.57889	9.82047	11.9634	13.5021	6.57721	4.05526	7.87543	6.05933	10.8857	5.45666	9.13311	5.73158	3.98256
DDX5	48.8683	41.8662	44.812	63.3709	31.5475	59.5703	37.6309	37.7357	70.0783	53.6287	63.3754	43.8461	59.8232	56.0247	55.2032
DDX50	6.09124	5.56655	5.40119	7.89348	2.74789	7.40722	3.32122	4.1816	5.48609	7.21023	9.61439	3.64073	8.33073	6.19076	5.48701
DDX51	2.70828	2.45613	2.63419	2.60894	3.8274	3.97295	2.41097	1.85299	1.39823	0.837477	0.653556	1.46743	1.73154	2.22577	1.70515
DDX52	2.68047	2.47337	2.18514	3.19829	1.45232	2.59721	1.70883	2.33477	6.20433	3.68997	3.18645	3.33734	3.2799	2.75912	1.89411
DDX53	0	0	0	0	0	0	0	0.00966069	0	0	0	0	0.014027	0	0
DDX54	5.45584	4.76323	5.22218	8.59871	10.8872	12.6384	5.30499	3.6218	4.72827	4.25993	2.84113	4.7026	9.22604	6.02	4.3774
DDX55	3.0633	3.14245	3.01456	3.79859	2.94129	3.83371	2.36374	2.52047	1.93712	1.86957	2.47006	2.75188	3.21441	3.38236	2.38093
DDX56	4.93967	5.5481	5.9196	9.80723	8.99977	9.98325	6.39439	4.01037	7.01696	5.69407	6.9135	7.02281	8.71878	8.43588	5.54326
DDX58	2.57902	4.02325	3.6069	9.84874	2.26761	8.84616	1.57233	2.80664	5.5589	2.37579	3.49916	1.91499	2.99829	2.16937	2.82327
DDX59	3.65256	3.33234	3.48215	3.15113	1.52799	3.39579	2.65546	2.82593	2.82321	2.72764	3.85644	1.7678	3.35535	2.4231	3.1539
DDX6	15.27	15.909	14.8343	21.0986	8.6459	21.8013	12.6854	16.1322	28.9796	22.3234	24.3644	17.8561	27.8201	16.0121	14.2624
DDX60	1.94351	2.82944	3.35749	9.14241	1.03591	5.37023	1.70562	2.68906	1.73114	1.08573	1.68205	0.550801	1.47277	0.78672	2.28216
DDX60L	1.6556	0.936821	1.00598	3.85532	0.553217	3.21282	0.710697	1.53694	1.02379	1.92895	2.15148	0.876988	1.50705	1.16713	2.16568
DEAF1	4.11827	5.10924	4.80827	4.92887	10.6294	8.15805	4.84961	3.16008	10.025	5.80571	6.47454	5.71767	7.21066	4.13581	3.25646
1-Dec	0.0369993	0.00891341	0	0.0190644	0.0287363	0.0157522	0.0211223	0	0	0.023219	0.0208838	0	0.0835511	0	0
DECR1	4.45133	3.40372	3.48152	4.02565	2.03967	6.7476	2.47373	3.85095	4.06194	3.601	6.95198	2.07639	2.53312	2.85831	2.71548
DECR2	2.73389	1.66239	2.05606	4.89647	3.02036	6.47323	2.05316	1.45519	1.47783	2.69734	6.13944	2.79304	2.60339	3.91979	1.78464
DEDD	5.65177	5.73672	5.7736	8.17962	6.42205	9.19244	6.15157	4.38691	10.3366	7.13977	8.01441	6.46263	9.39883	5.75125	5.89464
DEDD2	3.67495	3.87786	3.80231	6.34319	7.57984	7.87032	4.36932	3.03206	13.5626	8.25917	15.4398	7.07725	9.02697	4.83083	2.83512

DEF6	5.33218	6.09013	5.75368	6.17015	9.50398	6.40273	3.57921	3.9684	2.52885	3.22603	2.12783	2.53152	4.0256	3.05023	1.67919
DEF8	2.94498	3.92388	4.42344	4.83208	9.32805	7.76563	4.44575	2.39306	5.44342	5.37575	6.61808	4.20657	5.64007	5.0475	3.93008
DEFA1	0	0.00278752	0	0.0358318	0	0.00329671	0.00877411	0	0	0.0363141	0.0130621	0	0.0337273	0.0200817	0
DEFA10P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFA11P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFA1B	0	0.00266016	0	0.0338386	0	0.00311333	0.00841685	0	0	0.0345091	0.0124653	0	0.0318512	0.0192641	0
DEFA3	0	0.00565732	0	0.0733851	0	0.0200722	0	0	0	0.133268	0.0265098	0	0.06845	3.24E-13	0
DEFA4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFA5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFA6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFA8P	0	0.0391252	0	0	0	0	0	0	0	0	0.0916689	0	0	0	0
DEFA9P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFB1	37.5887	24.6375	18.4839	65.9856	16.2276	9.53379	17.8062	14.615	73.0513	82.8119	74.4834	36.5167	18.7373	28.0575	5.81457
DEFB103A	0.248607	0.185119	0.215014	30.1031	1.15852	0.221308	0.129023	0.461968	12.2762	70.3763	52.9656	20.2789	128.932	17.3283	6.18313
DEFB103B	0.248607	0.185119	0.215014	30.1031	1.15852	0.221308	0.129023	0.461968	12.2762	70.3763	52.9656	20.2789	128.932	17.3283	6.18313
DEFB104A	0	0	0	0	0	0	0	0	0	0	0	0.0147326	0	0	0
DEFB104B	0	0	0	0	0	0	0	0	0	0	0	0.0147326	0	0	0
DEFB105A	0	0	0	0	0	0	0	0	0	0	0	0	0.0338333	0.0182713	0
DEFB105B	0	0	0	0	0	0	0	0	0	0	0	0	0.0338333	0.0182713	0
DEFB106A	0	0	0	0	0	0	0	0	0	0	0	0.0136629	0	0	0
DEFB106B	0	0	0	0	0	0	0	0	0	0	0	0.0136629	0	0	0
DEFB107A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFB107B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFB108B	0	0.0502283	0	0	0.161933	0	0	0	0	0.261684	0	0	0	0	0
DEFB109A	0.12245	0.117997	0.101299	0	0	0	0.279619	0.108823	0	0.153687	0	0	0	0	0.351707
DEFB109B	0.131495	0.232306	0.0725211	0.0903393	0	0.037322	0.250227	0.155815	0	0	0	0.0313626	0	0	0.0629476

DEFB4A	23.5851	0.382985	0.116031	718.54	53.2692	5.7421	0.174993	1.56103	77.8097	126.146	7.60928	39.1538	674.916	3.13073	22.2283
DEFB4B	9.66274	0.470667	1.3671	799.116	42.7861	5.56573	0.623047	2.89341	38.5389	61.0274	3.52656	20.6929	582.851	4.29368	13.5747
DEFT1P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFT1P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEGS1	48.9888	92.5429	102.539	33.9292	29.6372	36.7417	79.856	76.4627	127.318	29.0942	57.9285	33.9984	16.7486	17.3651	13.0287
DEGS2	6.63819	12.4522	12.0733	8.23278	32.3159	11.3888	22.2488	8.84188	68.9294	11.1639	37.0221	17.632	8.71463	9.18575	1.82149
DEK	11.8739	8.87464	9.59618	15.3016	5.14633	17.0771	4.46382	9.00508	6.6071	13.294	18.0081	6.06781	20.2568	11.5647	8.97192
DELE1	4.98057	4.77701	4.6377	4.11764	4.64045	6.78463	5.3189	3.11125	2.0295	2.88829	4.24712	2.70534	2.56292	4.17901	5.79191
DENND1A	1.93084	1.46732	1.59444	2.83014	2.73754	4.27234	2.95865	1.69799	1.1573	1.16306	1.44931	1.13081	2.13028	1.75763	2.52612
DENND1B	1.22786	0.862921	0.767082	1.53368	0.50313	0.858036	0.652624	1.19469	1.61399	2.49496	2.23688	1.28604	2.96939	1.39521	1.04282
DENND1C	1.23966	1.48333	1.7862	1.18444	3.31564	1.99926	1.39665	1.17467	2.78958	1.14374	0.63947	1.21597	1.61554	0.815239	1.21438
DENND2A	1.06537	0.422206	0.602829	0.294674	0.852521	1.17419	1.44284	0.598421	0.0505522	0.642528	0.54667	0.333301	0.717129	1.44145	1.43066
DENND2C	6.03444	7.6874	7.82541	10.7785	3.72712	5.19499	7.51046	6.08287	21.7353	11.6534	7.23468	12.0767	13.7508	10.3381	3.20288
DENND2D	2.30188	4.10867	4.04658	5.75515	6.41985	4.19289	4.16632	2.3828	15.9204	4.07921	5.35945	6.03137	5.37108	4.07059	2.31029
DENND3	2.04417	1.00242	1.25265	0.964345	1.50533	2.1016	1.46262	1.28918	0.188101	1.41016	1.16577	0.264362	0.81869	1.04622	3.42714
DENND4A	3.67954	3.0508	3.59072	2.79998	0.711905	2.66535	2.4691	3.51879	1.08762	2.22527	2.71694	1.55694	2.12856	2.71643	3.29091
DENND4B	2.58366	2.87981	3.07985	3.56402	6.71835	7.15417	3.69323	2.52394	1.49154	2.06821	2.57674	2.38727	2.68551	3.59592	6.22889
DENND4C	7.9605	9.96077	10.5995	7.06543	2.53206	6.27865	6.82535	8.92926	4.45669	5.11825	5.54846	3.90491	4.6599	4.62661	4.54357
DENND5A	5.67933	3.70428	4.61409	6.11984	4.27795	13.7077	5.02585	3.4348	2.41833	6.45422	8.32884	1.7851	5.6621	6.50735	13.534
DENND5B	0.776644	0.486001	0.748271	0.366016	0.194936	0.816547	0.619101	0.477681	0.126884	0.526018	0.732396	0.106737	0.357483	0.481398	1.06095
DENND5B-AS1	0	0.111283	0.191268	0.0977761	0.422969	0.119465	0.107978	0.2433	0	0.0620421	2.49E-27	2.80E-45	0.062828	0.156601	0.368513
DENND6A	4.28498	2.74847	2.78819	4.47959	2.3092	3.96405	2.48803	3.76769	2.6927	3.79995	4.36923	2.59832	4.93024	3.72026	3.84871
DENND6A-DT	0.0233454	0.0112482	0.0257506	0.00801936	0	0.0198783	0.008885	0.0207474	0	0.00976695	0	0.0111362	0.00502077	0.0040671	0.0111756
DENND6B	0.542235	0.900503	0.66809	1.03435	1.82792	1.63071	0.619106	0.625436	0.63228	0.897761	1.17214	0.718183	0.937888	0.78386	1.92194
DENR	5.80702	6.33729	5.77462	13.4318	3.27531	11.7498	4.77612	6.50577	9.50566	10.1376	10.8841	7.11169	16.5171	10.1137	5.44578
DEPDC1	0.16172	0.129182	0.105621	0.723644	0.00661073	0.405861	0.121478	0.215586	0.0932956	0.790537	0.984875	0.167483	0.788052	1.17664	0.348376

DEPDC1-AS1	0	0	0	0	0	0	0	0	0	0	0.0209508	0.0132794	0.0119742	0	0
DEPDC1B	0.286515	0.293908	0.137628	1.27629	0.100497	1.12538	0.358792	0.172492	0.292662	0.696012	1.53373	0.495991	1.07337	1.40567	0.292013
DEPDC4	0.0791847	0.0839353	0.0655072	0.0979226	0.0656006	0.0674247	0.0542463	0.0656813	0.0064292	0.019877	0.0238372	0.0377725	0.0442776	0.0303493	0.0833941
DEPDC5	1.73758	1.83469	1.79528	1.63823	2.02716	2.06819	2.00502	1.48507	0.999556	0.890895	0.959887	1.38877	1.00658	1.54189	1.49192
DEPDC7	0.996898	0.991632	0.806968	2.01048	0.149858	1.47864	0.257019	0.514429	1.35771	1.23776	1.70621	0.728647	0.926753	1.42861	0.692745
DEPP1	14.8745	5.6024	6.55224	10.8018	10.4008	88.5048	11.8523	5.99057	0.547294	4.18783	10.0064	1.63183	5.1029	3.29986	24.9918
DEPTOR	3.63475	1.93318	1.89567	3.04906	2.25023	3.67057	2.1051	3.13665	0.609477	0.396695	0.891998	0.709871	0.362532	0.243196	0.83217
DERA	5.81142	4.95724	3.61897	10.1798	1.99275	11.5352	4.10129	4.61746	8.15568	11.0455	14.4822	5.96654	11.7535	7.29494	4.99282
DERL1	5.99396	5.55236	5.95832	9.53979	3.91305	10.5681	5.30818	5.29053	11.0164	7.97724	11.4213	5.26586	11.5841	7.64621	7.67667
DERL2	2.84846	2.19336	2.55534	2.96775	0.876808	3.93851	1.83202	2.52683	2.73072	2.86009	5.45758	1.64548	3.83412	2.42295	2.31183
DERL3	0.59304	0.466935	0.478639	0.253402	1.20205	0.166269	0.611055	0.700585	0.0792721	0.172466	0.32657	0.232868	0.181981	0.234352	0.311591
DES	15.1439	0.496026	0.476936	0.445588	11.7059	62.4842	39.6242	0.576406	0.0752286	2.41627	6.19438	0.191524	0.597803	1.20525	6.12093
DESI1	3.85514	5.66584	5.59127	7.00904	6.06417	8.27403	6.9407	3.65924	11.6858	6.61479	11.1485	6.70846	8.48915	7.36765	4.3626
DESI2	4.14158	2.95098	3.30468	4.63482	1.19362	5.57114	3.45782	4.03215	5.45682	6.50299	10.9707	3.42027	8.25338	5.77308	5.5502
DET1	0.923491	0.985463	1.10751	0.613165	0.558396	0.907722	1.07564	0.974951	0.173613	0.350056	0.678679	0.235043	0.227936	0.37252	0.765486
DEUP1	0	0	0	0.00894583	0	0.0591328	0	0	0	0	0	0	0.0168025	0.00907395	0
DEXI	4.50218	4.68759	5.31892	8.05579	12.3407	10.8573	4.85877	3.87784	5.5207	5.07015	8.92901	4.40189	7.7494	5.54414	5.15927
DFFA	2.23666	2.92153	2.65896	5.44049	4.2754	5.39216	2.40643	2.15956	3.55539	3.39866	4.29652	3.22308	5.35575	4.20091	3.03663
DFFB	0.433566	0.336211	0.376563	0.448981	0.575752	0.697656	0.4232	0.36408	0.0475172	0.326461	0.565235	0.195419	0.444723	0.574361	0.532305
DGAT1	2.26322	2.88325	3.09103	3.84723	6.22808	4.60933	3.36666	1.97065	2.70454	2.64767	3.89745	2.89956	3.8556	3.69657	3.30738
DGAT2	13.7405	22.0069	24.9975	11.303	29.7812	7.44403	36.1785	15.1031	77.2279	8.51049	20.0257	15.6352	6.80876	3.43052	1.62525
DGAT2L6	0.148786	0.0847217	0.234984	0.125451	0.0420212	0.0230345	0.247097	0.156271	0	0	0.0305384	0	0.0174539	0.0141386	0.174826
DGCR10	0.124828	0.144345	0.103266	0.0771831	0	0	0.0855145	0.133124	0.0304052	0.125337	0	0	0.0322153	0	0
DGCR11	1.12893	1.98436	1.60843	0.937179	1.9647	0.827759	2.17216	1.29128	1.03118	1.36444	0.719812	1.63052	0.930707	1.51878	1.30604
DGCR2	11.5717	16.3535	17.4276	17.1761	28.138	19.1977	17.5236	10.9522	20.863	10.7212	9.17768	13.3445	19.3484	9.86318	8.54581
DGCR5	0.0940297	0.336955	0.408387	0.466333	0.328636	0.45537	0.30866	0.177577	0.100203	0.0885127	0.152587	0.180817	0.140294	0.104431	0.0759591

DGCR6	4.14118	3.39843	3.81182	2.31362	9.30509	6.05615	4.18742	3.15826	2.3743	2.67085	3.62284	0.904693	0.813851	1.05329	0.638318
DGCR6L	8.36287	7.42161	6.92663	9.50912	16.476	17.0165	9.00232	4.86025	8.42408	7.74201	25.238	5.27503	5.5682	5.78721	5.42609
DGCR8	4.53134	5.88111	6.11641	5.99405	8.64519	7.26777	5.78752	4.47302	3.72898	4.04861	2.79174	4.59417	6.74576	5.82308	4.99284
DGCR9	0.0670813	0.115431	0.190266	0.0296268	0.0446573	0.0734385	0.229774	0.187365	0.0350132	0.144332	0.0108181	0.0754262	0.0618293	0.0450767	0.0963372
DGKA	5.77751	12.0541	12.3667	11.6016	14.2874	10.0301	8.73012	6.93607	9.53723	14.6685	8.065	13.0255	18.118	12.0128	5.09213
DGKB	0.0845433	0.0144541	0.0248175	0.00281046	0.0169452	0.0116109	0.0217968	0.0315083	0	0	0	0	0	0	0.0783322
DGKD	1.60992	1.12779	1.5174	1.1744	1.75896	3.02198	1.7225	1.3118	0.281989	0.685647	0.763716	0.54879	1.06439	1.47106	2.55625
DGKE	1.62967	0.723473	0.791159	0.503519	0.444274	0.56571	0.636108	1.13853	0.431783	0.37393	0.649105	0.326158	0.247966	0.546543	0.654629
DGKG	0.773827	0.251765	0.277185	0.102765	0.297408	0.451723	0.801554	0.397031	0.0680108	0.160204	0.265669	0.148413	0.118384	0.141761	0.532744
DGKH	2.73075	2.74488	2.83616	2.22815	0.915455	1.86748	1.61048	2.38893	1.22895	1.79025	1.61435	1.60993	2.12953	2.68095	2.78618
DGKI	0.265212	0.148548	0.153581	0.140071	0.128739	0.197596	0.162761	0.120795	0.0565247	0.303742	0.520192	0.0545578	0.181808	0.252966	0.53799
DGKK	0	0	0.00258444	0	0	0.0106404	0	0	0	0	0	0	0	0	0
DGKQ	1.55018	2.81709	3.00606	2.86113	7.30132	3.62882	2.46427	1.45741	1.85152	3.18434	1.85124	2.814	3.5022	2.8005	2.82756
DGKZ	4.14534	4.42449	4.46058	7.35152	11.499	12.1048	4.75251	3.61194	3.81112	5.84583	4.46752	4.93947	10.2604	6.41043	5.42595
DGLUCY	3.47806	4.42087	4.61701	2.66418	4.33324	4.13805	4.21703	3.20157	1.13522	1.2008	2.44969	1.32126	1.03846	1.54008	2.9361
DGUOK	6.84884	5.87449	6.50638	9.15205	4.91013	16.8382	6.0367	5.36764	5.79753	8.1473	12.553	6.44877	9.14115	7.08033	6.51216
DGUOK-AS1	0.891676	1.58179	0.938837	1.54542	1.511	0.448648	0.601597	0.900509	3.40597	2.49264	2.28771	2.78408	1.88282	1.20744	0.523865
DHCR24	23.4994	53.7475	47.3904	88.1923	75.8656	59.6973	70.5914	25.4096	117.103	39.8971	38.8105	43.9912	51.9755	29.6463	7.39792
DHCR7	11.8278	11.4224	11.401	17.3437	17.0638	13.4724	12.9989	9.40013	44.3236	18.1477	15.2636	16.8327	18.63	8.8368	2.50676
DHDDS	4.71701	5.65682	5.77622	6.46948	6.82294	9.78541	6.3793	4.85496	7.25034	5.6603	5.63678	5.65328	6.35415	5.07862	5.60385
DHDH	0.107045	0	0.0531329	0.0882501	0.0665109	0.0546883	0.12222	0.0380529	0	0	0.048336	0.0153187	0.0138129	0	0
DHFR	1.63805	2.07014	1.29783	5.68652	1.14685	6.77383	2.17441	1.54109	1.53469	3.74554	5.83908	2.05418	5.18501	3.12018	2.81877
DHFR2	0.851081	1.01346	1.01638	1.39786	0.492536	1.64256	0.95388	0.820135	0.331755	0.446553	0.759946	0.373911	0.950499	0.770257	1.20555
DHFRP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DHH	0.221535	0.101995	0.0733078	0.136979	0.367062	0.259896	0.134902	0.100629	0.0119913	0.148293	0.144494	0.0669283	0.200107	0.285601	0.919108
DHODH	1.20149	0.996991	1.04129	1.60176	1.19979	2.12731	1.36094	1.11016	0.301947	0.562507	0.979576	0.539019	1.1751	1.03662	0.643638

DHPS	5.5815	8.19347	8.56746	9.13447	11.1241	7.80865	7.87474	5.1097	6.82141	5.76673	8.96601	5.96359	6.26687	6.38715	5.39619
DHRS1	11.2964	11.0797	9.94455	12.4017	12.5875	27.0859	14.2459	7.5355	21.4211	17.6135	10.0716	26.7927	28.8515	13.3647	6.95554
DHRS11	1.89721	2.2399	2.2045	2.58196	3.37445	3.56385	2.67878	2.2524	6.45553	2.99921	3.35153	2.52848	2.31732	2.23291	0.97754
DHRS12	2.59828	2.32724	2.56285	1.99104	2.0827	1.85785	2.34859	1.74666	0.77082	1.44242	1.7392	1.71613	0.940288	1.29704	1.6385
DHRS13	1.74687	1.83426	1.92353	4.58121	3.20005	4.01096	0.962873	1.30622	0.689602	1.3155	2.3256	0.862024	2.2386	1.73783	0.795873
DHRS2	0.0179334	0	0.00741789	0.0277213	0.0278568	0.0687152	0.0614273	0.0159377	0	0.0450165	0.111345	0.0128318	0.0347116	0.084355	0.0257546
DHRS3	8.85197	7.78881	8.05799	10.4844	17.6883	16.9105	10.6017	6.82697	12.6941	5.38511	11.3015	5.59736	6.3404	3.92994	2.95642
DHRS4	6.48714	6.0398	4.8962	12.5097	18.4674	16.6543	4.87271	3.88692	22.2062	8.7661	20.5024	4.83321	7.31905	4.94183	2.49679
DHRS4-AS1	1.98694	2.16755	1.55275	2.2437	1.10726	1.35176	1.19327	1.51631	2.14365	1.56461	3.40877	1.30833	1.29491	0.915577	1.4533
DHRS4L1	0.355315	0.718436	0.359843	0.220683	0.612246	0.191043	0.382885	0.454278	0.182482	0.329425	0.460141	0.40282	0.117692	0.227935	0.403263
DHRS4L2	3.67375	3.41127	2.13879	5.5818	7.5964	6.97248	3.19728	1.76339	9.21269	3.70948	7.79898	2.6742	3.48326	3.14201	2.2598
DHRS7	5.58304	4.41317	4.85952	14.3569	7.36424	16.1121	5.27054	4.12092	15.4098	17.8117	20.5978	9.8717	27.4561	9.28644	6.01718
DHRS7B	2.5432	2.03204	2.38443	2.91569	2.71593	5.58515	2.94003	1.64805	3.78131	2.60677	5.57439	2.14575	2.46811	1.77224	2.67839
DHRS7C	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0120234	0
DHRS9	0.293591	0.229257	0.276379	8.28368	0.471774	0.310331	0.497039	0.170947	0.73978	3.49427	2.82285	2.10072	3.50758	1.70375	0.130852
DHRSX	0.843348	0.771517	0.865411	1.22066	1.02852	1.81885	1.11786	0.777819	0.763291	0.955416	2.04376	0.804186	1.10932	0.998155	0.983247
DHTKD1	2.35556	2.35111	2.33769	3.8995	1.95822	3.9548	2.54262	2.13285	2.16646	2.03779	3.09982	1.73308	3.57195	2.58048	2.00042
DHX15	17.9464	16.0326	17.5517	23.7942	9.76529	19.9413	12.8132	14.2984	15.668	17.1777	18.2749	13.3739	27.3873	19.8744	13.3056
DHX16	0.456236	0.550952	0.546916	0.615409	0.856526	0.795516	0.409765	0.348648	0.430006	0.373847	0.322305	0.415859	0.725119	0.527392	0.431939
DHX29	5.02188	4.27125	3.90871	5.40359	1.96299	4.19575	2.99342	4.58874	6.27114	6.12539	5.41359	3.95094	8.21136	5.01518	3.78548
DHX30	4.4697	4.47458	4.67621	6.1136	7.14633	8.79207	5.05701	3.58709	4.69028	3.31495	3.54729	3.7829	6.63862	4.94348	5.04443
DHX32	5.96307	6.43649	6.39886	10.5922	4.06915	6.94673	5.61605	4.89708	22.3557	12.7145	10.9347	10.347	14.4463	8.35732	5.05122
DHX33	2.47578	2.00267	2.17423	2.96317	1.69571	3.87948	2.07892	1.78292	1.40978	1.59763	2.03685	1.63885	2.87843	2.75588	2.46699
DHX34	1.32866	2.46376	2.6012	2.88028	4.95	3.43909	2.26647	1.61831	1.88248	1.25569	1.26684	2.56801	2.0731	2.94643	1.53562
DHX35	2.34755	1.5248	1.39209	1.61281	1.53822	2.21708	1.68411	1.50164	0.708436	0.773541	1.3055	0.802703	1.56377	1.2595	1.98901
DHX36	6.97296	5.81153	6.26161	6.46606	1.55305	7.19814	3.68808	5.92373	5.50287	5.35731	5.33947	3.54026	7.43905	5.50352	5.0347

DHX37	2.43076	2.20759	2.14551	4.45968	4.94488	5.62905	3.26308	1.77611	1.80844	1.53181	1.40071	2.03036	4.3309	3.34349	2.29317
DHX38	6.43786	7.13753	7.47941	8.83516	11.6387	15.1534	7.61158	5.47208	6.48637	5.22375	3.2613	6.36502	10.6172	7.26983	7.29051
DHX40	6.47862	5.37191	5.72089	6.19922	2.12681	7.23154	4.20393	5.14474	6.91995	5.51121	6.64317	3.2185	5.46521	4.03242	5.46057
DHX57	2.86027	2.35857	2.16609	3.12847	1.85677	3.30386	2.00929	2.04033	3.91095	2.30399	2.09369	2.70164	2.46977	2.06261	2.26844
DHX58	1.51221	1.35069	1.68996	3.54509	2.36273	4.76649	1.29242	1.02956	0.581591	0.577164	0.978338	0.430281	0.559157	0.605472	1.42242
DHX8	4.65434	4.19988	4.16173	5.0749	4.71161	7.93448	5.69977	3.86768	5.21403	3.98865	3.25708	3.5881	6.59943	3.94386	4.24981
DHX9	14.273	10.2747	11.2585	22.1049	5.94666	20.6337	8.97393	10.3475	9.30057	13.8618	15.3744	8.53289	22.6113	14.78	12.1476
DIABLO	2.56272	2.18195	2.1781	3.41227	2.04613	3.43767	1.79215	1.82886	2.43156	3.07022	4.37822	2.06417	3.0252	2.5481	1.89849
DIAPH1	13.7798	13.2156	14.8235	28.2088	14.6739	31.1331	18.9445	12.3131	18.9095	28.7291	13.6505	19.5102	56.8847	23.8206	14.7952
DIAPH2	5.02756	3.79015	3.0279	3.88813	1.40208	3.94658	2.80317	3.34906	3.831	2.12981	2.80718	2.44129	2.43136	2.5333	3.99898
DIAPH2-AS1	0.45007	0.399461	0.391926	0.341755	0.367954	0.383228	0.243414	0.273674	0.0288492	0.237846	0.240666	0.203392	0.0916998	0.173324	0.510282
DIAPH3	0.288275	0.251747	0.234755	1.36469	0.125941	0.855282	0.308571	0.288219	0.252343	0.740589	0.747463	0.464103	0.892186	0.922822	0.491624
DIAPH3-AS1	0	0.0227565	0	0.121682	0	0.0201082	0	0	0.0575217	0.0296397	0	0	0	0.0246848	0
DIAPH3-AS2	0	0	0	0	0	0	0	0	0	0	0	0.0902424	0	0	0
DICER1	8.5577	7.76525	7.79111	11.1612	3.6144	7.37887	5.28624	7.77061	9.14854	8.65551	6.52652	9.17351	12.1321	8.05751	8.12282
DICER1-AS1	0.806981	0.638768	0.524536	0.386108	1.25352	0.858917	0.658132	0.512269	0.0702008	0.289384	0.292815	0.144354	0.130165	0.30126	0.496683
DIDO1	4.62933	5.46155	5.6871	4.59346	7.65215	6.27348	4.94656	3.95366	4.08572	3.73548	2.34637	4.09515	4.38723	4.3044	3.56602
DIMT1	2.55939	2.40095	2.42406	4.59472	1.15195	4.10446	2.17877	2.59607	2.84169	2.588	5.49262	2.12251	4.59216	3.58753	2.51968
DINOL	0.170348	0.0351756	0	0	0	0.103607	0.0635328	0.0948276	0	0.122174	0.137359	0.104476	0.109908	0.0127188	0
DIO1	0.23628	0.119835	0.174892	0.0384464	0.0965856	0.137656	0.198783	0.187883	0.0151454	0.109258	0.028077	0.0533889	0	0.116991	0.178594
DIO2	2.46008	1.69983	1.33328	10.5256	1.22629	9.02612	2.58443	2.47451	14.2622	2.4586	3.00637	2.26417	5.79726	1.80106	2.09814
DIO2-AS1	0.0435292	0.0769012	0.0360105	0	0	0.0123549	0.0331335	0.0902654	0	0.0182112	0	0	0	0.0151669	0
DIO3	1.11201	0.238716	0.191273	0.170192	0.307842	0.928113	0.175992	0.479454	0.107272	0	0.0124289	0	0.0213108	0.0115086	0.0158118
DIO3OS	1.7824	0.813588	1.03217	0.696056	2.06923	1.42184	0.963988	1.33394	0.0685504	0.0235484	0.0423601	0.0805487	0.0181578	0.088253	0.56584
DIP2A	3.6355	4.56238	4.53344	3.85189	6.42506	4.9145	4.71131	3.46945	2.51628	3.30714	1.8659	3.50529	4.5393	4.47221	3.92286
DIP2A-IT1	0.541992	0.235026	0.0448374	0.111708	0.08419	0.13845	0.247531	0.192671	0	0.0680255	0	0.0775619	0.104907	0.169961	0.0778369

DKFZp451B082	0.00938676	0.00904537	0.0155308	0	0	0.00399635	0.00535875	0.00417108	0	0	0.00529824	0	0	0.00245296	0.00674029
DKFZp779M0652	0	0.0343626	0	0.62472	0.498524	0.212545	0	0	0.738299	0.62659	0.563573	0.535823	0.276088	0.074549	0.0512116
DKK1	0.741842	0.298836	0.593583	0.112794	0.0944539	7.02085	0.902553	0.821408	0.0740558	0.0305275	0.192201	0.0261053	0.0156929	0	0.069861
DKK2	0.311798	0.564125	0.784352	0.452467	0.13838	0.579748	0.690206	0.780405	0.178243	0.079865	0.186766	0.0455306	0.262753	0.0033257	0.0731072
DKK3	11.0982	5.98728	6.0746	5.89948	8.34703	30.2361	7.94812	4.47035	2.87247	11.0745	18.8016	3.27148	13.8138	11.2019	28.2377
DKK4	0.0282922	0.0408949	0.0468107	0.495652	0	0.144543	0.0323032	0.0502876	0.0689135	0.248568	1.88437	0.384633	1.33254	0.221801	0.0812625
DKKL1	0.0426207	0.0410706	0.0528883	0.0219609	0.0662047	0.0544365	0	0.0378777	0	0.0267467	0.0721702	0	0.0274987	0.0334132	0.153022
DLAT	3.28029	2.53493	2.71317	5.27332	1.55509	5.78481	2.95467	3.20866	3.57967	3.44874	5.50434	2.75864	5.60648	3.85167	2.92426
DLC1	3.25394	1.98284	2.51426	2.52087	3.22803	4.63375	3.68022	2.05132	1.36664	3.28517	4.99204	1.60766	4.16755	3.41998	9.51489
DLD	6.04684	5.31152	5.53222	8.23152	1.41289	7.36312	3.88351	6.47821	5.39063	7.96717	9.19785	4.10204	9.56742	5.80512	3.80843
DLEC1	0.242659	0.263558	0.285806	0.10596	0.261936	0.238139	0.347499	0.204689	0.025045	0.139376	0.0650007	0.0794572	0.0583791	0.137572	0.070879
DLEU1	1.10372	1.36464	1.39618	0.824475	0.662198	0.75582	1.02015	1.3909	0.547639	0.674316	0.88338	0.818991	0.59908	0.998045	1.43412
DLEU1-AS1	0.0316594	0.045762	0	0.0652519	0.0983561	0	0	0.112545	0.115673	0	0.0357396	0.0226532	0	0	0
DLEU2	0.267115	0.55959	0.372855	0.598271	0.646213	0.282168	0.321114	0.54764	0.0637026	0.440555	0.849657	0.411139	0.280927	0.599131	1.51057
DLEU2L	0.335204	0.370119	0.473729	0.331044	0.195258	0.285422	0.398672	0.633041	0.10206	0.213133	0.583372	0.139911	0.054068	0.306587	0.461337
DLEU7	0.0452139	0.0684663	0.0641213	0.0732195	0.0501663	0.0769981	0.0442489	0.0975857	0.015733	0.0486412	0.080207	0.013865	0.0708457	0.0101275	0.00927612
DLEU7-AS1	0	0.0308541	0.0423809	0.0395953	0	0.0218107	0.0292463	0.0682931	0	0	0	0	0	0	0.0551793
DLG1	7.81984	8.4536	9.21856	7.13184	2.67122	5.66728	6.57798	7.75152	10.4219	10.0253	7.05045	8.09943	13.0916	9.6886	7.99344
DLG1-AS1	0.0136251	0.0527284	0.0913284	0.199234	0.121211	0.0581452	0.0936546	0.024255	0.102336	0.154409	0.123327	0.0489182	0.167977	0.0641668	0.137012
DLG2	0.457208	1.64616	2.21613	0.319108	0.548793	0.309676	0.90168	1.49787	0.394842	0.11216	0.152493	0.346476	0.0268171	0.0586531	0.379043
DLG3	2.27949	2.21302	2.21888	2.06775	2.86237	2.7313	2.43122	1.90148	5.05783	2.44555	2.18806	1.84101	3.31352	1.42679	1.18106
DLG3-AS1	0.239081	0.276463	0.237342	0	0.371376	0.16286	0.054595	0.127485	0.11647	0	0.161936	0	0	0.199927	0.343351
DLG4	0.66861	0.757341	0.659242	1.104	1.85055	1.51627	0.805141	0.765998	0.273273	1.04021	1.43638	0.567222	0.720582	1.35903	3.4442
DLG5	6.68701	13.3468	17.0567	10.3989	14.1461	17.4875	9.48988	11.9627	8.04981	7.02579	4.04862	7.72067	16.3473	10.0966	7.55473
DLG5-AS1	0.238034	0.258974	0.336667	0.181998	0.238548	0.516514	0.157807	0.225193	0.102867	0.192747	0.121353	0.230756	0.0842204	0.341116	0.341847
DLGAP1	0.105975	0.0540639	0.0618847	0.0449689	0.0629413	0.0557342	0.0676169	0.0692512	0.00759209	0.0156482	0.0774092	0.0066907	0.00603304	0.0293226	0.080573

DLGAP1-AS1	0.699186	0.707445	0.867624	1.39303	1.12228	1.56775	0.585426	0.47639	0.141922	0.35102	0.710364	0.13341	0.375926	0.682127	2.07518
DLGAP1-AS2	0.325958	0.241618	0.146573	0.413427	0.116844	0.341599	0.17177	0.245118	0.030537	0.377641	0.481187	0.0717637	0.226484	0.196569	0.648163
DLGAP1-AS3	0	0.00886381	0	0	0.0285764	0	0	0	0	0.0230898	0	0	0	0.0192298	0
DLGAP1-AS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DLGAP1-AS5	0.0718728	0.0311665	0.0416208	0	0.0223287	0.0611988	0.0574434	0.0766495	0	0.00902078	0	0	0	0.00375639	0
DLGAP2	0.058792	0.0505837	0.0503739	0.0173105	0.0880627	0.0303939	0.0383582	0.0709099	0.00511443	0.0764254	0.00948126	0.0886417	0.0311587	0.00877922	0.0784018
DLGAP2-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DLGAP3	0.108033	0.0433766	0.0695119	0.154626	0.0745833	0.342402	0.150759	0.0586732	0.182739	2.16195	0.271013	0.747238	0.298171	0.210167	1.29291
DLGAP4	5.99638	9.13251	10.0224	7.52289	12.524	13.9926	16.2308	6.96553	19.6433	12.9373	12.333	11.0443	22.746	9.43561	11.3872
DLGAP4-AS1	0.536873	0.683637	0.586898	0.158075	1.01265	0.163264	0.48163	0.306725	0.140111	0.842288	0.108225	0.562501	0.0618549	0.861822	1.40435
DLGAP5	0.270152	0.231402	0.204865	2.42826	0.13988	2.23002	0.17993	0.213412	0.356433	2.35464	2.80402	0.633599	2.32402	2.87485	0.58196
DLK1	0.0148226	0.00238059	0.0122623	0	0.184197	0.00841418	0	0.00439104	0	0	0	0	0	0.00258232	0.0141914
DLK2	1.31518	2.62803	2.0242	1.3133	4.4976	2.02269	1.52491	1.28661	2.30948	0.959699	0.702054	1.07965	0.86828	0.660728	0.556379
DLL1	5.02715	4.11665	3.45314	7.11164	10.5893	8.41821	2.99365	2.84591	2.96332	2.10612	2.15477	2.83162	5.34567	4.67379	4.32775
DLL3	0.00971173	0	0.00803423	0.0100082	0.0150857	0.00826941	0	0.00863098	0	0.0365677	0.0109633	0.020847	0.156649	0.0710608	0
DLL4	1.31279	0.991171	0.828521	2.24549	2.06024	5.73894	1.12032	0.408947	1.04666	1.32495	2.29936	0.813448	3.09114	2.7834	3.78039
DLST	10.2742	9.41133	10.9713	18.1361	7.48955	17.3942	9.86834	7.44161	7.80893	12.3148	13.5523	8.65907	19.5538	12.3351	9.00197
DLSTP1	1.17472	1.22999	1.17303	0.556572	0.573734	0.524957	1.01105	1.01597	0.103132	0.26186	0.296258	0.34247	0.0744823	0.583685	0.917619
DLX1	0.291474	0.210655	0.20094	0.0901118	0.543312	0.190276	0.454821	0.0518076	0.828293	0.560939	0.285166	0.236365	0.288355	0.279285	0.181391
DLX2	0.160716	0.382337	0.257601	0.134568	0.998588	0.128294	0.5505	0.107123	1.3579	0.353001	0.204106	0.359364	0.136097	0.446234	0.187531
DLX2-DT	0	0.0352127	0	0	0.0378412	0	0	0	0	0	0.082502	0	0	0	0
DLX3	5.71016	9.16652	8.12325	4.50044	11.4534	7.64914	15.3751	5.89679	31.9986	7.41243	12.3098	10.8063	6.11159	4.63927	1.46894
DLX4	0.709174	0.644981	0.388365	0.432319	0.744739	0.459268	1.49398	0.239674	0.815036	0.300874	0.270615	0.435964	0.225556	0.193153	0.100412
DLX5	9.14996	8.87982	6.02332	8.29041	7.42209	11.6243	7.64514	5.40189	26.3449	11.0558	13.9801	13.2453	10.5907	4.74819	2.10061
DLX6	1.34538	0.814743	0.827088	0.712308	0.977817	0.935378	0.718732	0.570409	1.84898	0.263359	0.376209	0.521071	0.238908	0.116117	0.0886303
DLX6-AS1	0.511706	0.678006	0.548391	0.335572	0.307103	0.19805	0.451465	0.237716	0.863982	0.189754	0.301954	0.382782	0.232606	0.188423	0.0334034

DM1-AS	0.0666254	0.249196	0.160703	0.401418	1.72592	1.00321	0.331879	0.0871849	0.164571	0.0412915	0.184799	0.3554	0.26831	0.296162	0.623572
DMAC1	3.83407	2.57734	2.29289	5.76008	3.38683	6.81249	3.12235	2.6274	4.27565	5.03248	12.4422	2.04927	2.32471	3.70835	1.75138
DMAC2	4.88058	3.88277	4.02817	9.27548	7.73992	9.44227	5.97424	3.21779	5.97164	5.3991	9.64815	4.46675	9.97405	5.98553	4.14028
DMAP1	4.69151	4.41354	4.27144	5.05082	9.60816	6.27113	4.42894	2.85338	3.38356	2.94416	3.81677	3.40379	3.16223	3.27388	2.18313
DMBT1	0.0421549	0.00290155	0.0124548	0	0.0327406	0.0128194	0.0171897	0.0267598	0	0	0.0101974	0	0	0.00786857	0.00432427
DMBT1P1	0.0803793	0.199598	0.0511503	0.00637178	0.0864393	0	0.0352979	0.0659395	0	0	0	0	0	0	0
DMBX1	0	0	0	0.0165392	0	0.0136657	0	0	0	0	0.0362353	0	0.0207098	0.00419403	0
DMC1	0.256574	0.147071	0.18365	0.333627	0.114945	0.46469	0.168978	0.156189	0.0901219	0.301846	0.302815	0.105896	0.214846	0.164368	0.106558
DMD	2.0052	1.14076	1.57475	0.437273	0.585879	1.60579	1.47697	1.42721	0.129193	0.545508	0.563826	0.296232	0.43917	0.481264	1.18067
DMGDH	0.32051	0.255603	0.26972	0.0797264	0.137342	0.451714	0.201902	0.22591	0.0403806	0.0693575	0.187146	0.0474483	0.0926997	0.0490985	0.277763
DMKN	157.945	277.641	294.014	197.828	590.35	187.884	310.29	159.615	1470.13	338.08	313.1	338.542	258.513	117.268	32.9858
DMP1	0.0172324	0	0	0.0355169	0.0401517	0	0	0	0	0	0	0	0	0.0360255	0.0618696
DMPK	3.62854	3.66177	2.94998	3.08798	9.16871	7.47731	4.51335	2.21446	1.90747	2.55552	1.7053	3.68435	3.33651	4.81576	6.85635
DMRT1	0	0	0	0	0	0.0712551	0	0	0	0	0	0	0	0	0
DMRT2	0.118278	0.0607873	0.104371	0.0568815	0.244969	0.161139	0.0810276	0.0350385	0	0.00989673	0.0890141	0	0	0.0247269	0.0339724
DMRT3	0.0636965	0.0460349	0.0790413	0.0109402	0.181395	0.244065	0.133332	0.132086	0.103434	0.199864	0.383495	0.083557	0.0684944	0.260776	0.9605
DMRTA1	0.462459	0.42142	0.523966	0.663064	0.171781	0.761874	0.172181	0.40206	0.404051	0.832796	1.55483	0.589868	1.07675	0.998331	0.231008
DMRTA2	0	0	0.00621004	0	0	0.0255673	0	0	0	0	0	0	0	0	0
DMRTB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DMRTC1	0.0157794	0.00253424	0.0217563	0	0	0.0179146	0	0.00934892	0	0	0	0	0	0	0
DMRTC1B	0.0157794	0.00253424	0.0217563	0	0	0.0179146	0	0.00934892	0	0	0	0	0	0	0
DMRTC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DMTF1	6.36448	6.73675	6.07101	4.73403	2.83256	3.8778	3.35632	5.46786	2.12711	3.70509	3.48013	3.24475	3.12429	5.08499	5.76553
DMTN	1.36304	3.13191	3.93239	2.8152	2.82896	2.7211	4.33535	2.29038	2.15525	2.31455	3.18084	2.04893	4.43409	1.39783	1.62028
DMWD	3.35113	4.37195	4.33495	6.3373	10.9217	8.9237	5.7433	3.32638	3.80864	4.44309	4.00414	5.11101	6.52701	5.72967	9.57504
DMXL1	4.13677	4.59827	4.64665	3.83916	1.82481	3.22567	3.66909	4.18883	4.90254	4.24517	3.71889	3.86217	3.88359	3.05962	3.12141

DNAJA2	9.59738	8.9959	9.51625	11.9404	6.4633	13.3507	7.30821	8.18521	22.7205	11.6645	16.4228	10.4366	16.6464	10.1074	6.69525
DNAJA3	3.846	4.43687	4.90075	8.86808	6.13036	8.74717	4.06596	3.24673	3.92884	4.52213	5.1173	4.4666	7.64438	6.80542	3.16479
DNAJA4	4.25525	6.90123	8.70981	5.94828	4.87213	3.65836	4.20809	4.64175	9.57906	4.72915	2.27786	5.49528	5.50861	4.2507	2.45429
DNAJB1	16.656	21.2481	17.4363	58.5538	35.5619	38.7765	15.8784	13.9878	79.5998	53.6368	51.4091	44.8351	68.0482	36.9481	15.5271
DNAJB11	7.19884	5.64458	6.09126	13.582	4.95337	16.1867	5.40668	4.98683	9.70079	11.5604	15.0636	7.2466	19.5853	10.572	10.3974
DNAJB12	5.19126	5.26075	5.10254	5.90225	6.2746	8.44285	6.33327	4.75036	6.81367	4.35037	5.6206	4.51208	7.28438	4.40268	5.14554
DNAJB13	0.0370289	0.0297351	0.0510548	0.0127198	0	0.0105099	0	0.0219388	0	0	0.041801	0	0	0.0129019	0.0177261
DNAJB14	2.86955	2.18322	2.57978	2.14999	0.545804	2.49326	1.93071	3.67247	2.42495	3.08247	3.58642	1.85159	3.02512	2.17886	2.70179
DNAJB2	6.8059	11.7644	12.2899	10.0206	27.6089	15.0142	9.41962	6.91727	18.4176	14.714	9.91516	13.2582	17.0819	12.0143	5.28591
DNAJB3	0.0292679	0.26808	0.412414	0.0188385	0	0	0.510894	0.29783	0	0	0	0.0261603	0	0	0
DNAJB4	2.22863	2.19545	2.59349	1.91283	1.01252	3.7953	1.39633	2.2289	1.05847	4.81519	6.04087	1.43474	2.77568	3.02714	3.63746
DNAJB5	1.73438	1.58176	1.39636	1.77934	1.2388	3.52059	1.57359	1.13538	3.03639	4.07183	4.3528	1.92797	3.95652	3.75939	2.80213
DNAJB5-DT	0.092944	0.0746364	0.0768898	0.0957815	0.192499	0.105521	0	0.110134	0.188659	0.0388847	0.0699481	0.266016	0	0.080961	0
DNAJB6	14.7879	16.0227	17.0408	49.6875	31.2783	28.2414	14.0703	16.9321	78.3174	69.9067	50.0486	45.4833	97.2345	40.5441	16.2652
DNAJB7	0.361549	0.451152	0.441979	0.19639	0.0319046	0.115559	0.419647	0.488563	0.0623999	0.137639	0.0120349	0.106225	0.0608215	0.254649	0.10189
DNAJB8	0.0374029	0.00450532	0.0154712	0	0	0	0.131308	0.0332406	0	0	0	0.0066907	0	0	0
DNAJB8-AS1	0.0257431	0.0248068	0.0319448	0	0	0.0328799	0.171963	0.102952	0	0	0	0	0	0	0
DNAJB9	1.89667	1.30047	1.68221	2.52779	0.354109	1.90227	1.32224	2.27719	2.20998	3.57078	4.22045	1.38322	3.09461	1.36778	2.8941
DNAJC1	3.59708	3.50358	3.60753	4.95013	5.53593	4.75922	3.17189	2.9017	10.2444	6.32058	10.0329	3.52413	7.3195	4.64502	5.70629
DNAJC10	6.19872	2.96873	3.26404	5.17308	1.22787	6.4978	2.74614	4.22704	1.48107	4.99878	7.23402	2.18746	5.69074	4.03427	6.19516
DNAJC11	4.98471	4.56703	4.8694	8.78489	8.5591	10.1082	5.25777	4.35647	4.99005	4.38936	3.63023	4.86044	8.81018	6.11272	4.70335
DNAJC12	0	0.0510829	0.0125298	0.0780418	0.0941077	0.103173	0.0691727	0.026921	0.75629	0.722371	1.57301	0.108374	0.0586326	0.316638	0.913564
DNAJC13	4.89554	5.23614	5.73525	7.45476	2.40417	7.85812	3.49611	3.97781	2.88113	5.22087	5.3411	3.42676	6.33859	4.45454	7.03503
DNAJC14	4.9932	4.24358	4.3076	6.51323	5.67845	8.08942	4.68435	3.66625	4.35437	3.69821	4.13406	3.00029	6.4933	4.54409	5.44783
DNAJC15	2.88454	2.02849	2.13112	4.1668	0.647499	5.24594	1.89423	2.05973	2.71094	4.69815	9.69358	1.40779	4.41068	3.58161	3.48407
DNAJC16	2.49103	2.65537	2.48932	3.39249	1.7635	3.19099	2.13103	2.40319	2.5729	2.30106	2.7125	2.38968	2.98446	2.57501	2.25305

DNAJC17	3.38004	3.28605	3.7426	5.47355	5.36765	6.11699	3.53012	2.12141	3.62703	3.30986	4.49114	2.62433	2.88386	2.93478	3.1242
DNAJC18	1.93237	0.548573	0.709234	0.556272	0.465042	0.996501	1.06172	0.733694	0.480625	0.575017	0.829547	0.259655	0.465338	0.623507	1.46573
DNAJC19	3.93714	2.86927	2.65002	3.941	1.24945	4.24159	2.70685	2.38283	3.2826	3.50688	7.93327	2.29207	2.85889	2.49287	1.80368
DNAJC2	4.11445	3.09402	2.69266	3.71912	1.43216	5.29669	0.896841	1.50482	3.43622	3.49167	4.98318	2.08112	3.99489	4.03697	2.89074
DNAJC21	3.95633	4.0289	4.06349	4.36898	1.92297	4.18415	1.6473	2.86711	2.31787	3.66128	2.72172	2.18642	4.35591	3.30284	2.82588
DNAJC22	0.0472093	0.0606564	0.0433943	0.0540562	0.0325922	0.187591	0.0598912	0.0652644	0.0255536	0.0329181	0.0769794	0.00750656	0.0236905	0.0246736	0.0979312
DNAJC24	1.67326	1.51111	1.61294	1.66851	0.967772	2.08468	1.26779	1.93605	1.44183	1.87409	2.61549	0.895659	1.65634	1.50351	1.87144
DNAJC25	1.55454	0.854625	1.16826	1.84959	0.711114	2.22909	0.900373	1.22533	1.24792	1.66619	2.40822	0.937612	1.38265	1.43023	1.05392
DNAJC25-GNG10	0.0570871	0.67834	0.00571471	0.231556	1.65566	1.92192	0.419506	0.163307	0.308039	0.135867	2.0351	0.170308	0.43025	0.411321	1.49547
DNAJC27	0.635136	0.848811	0.870602	0.515976	0.439283	0.738186	0.719884	0.922905	0.525093	0.477133	0.638487	0.335037	0.329026	0.462791	0.759003
DNAJC27-AS1	0.0495144	0.109741	0.17204	0.0204104	0.0538391	0.0674574	0.0339204	0.0660065	0.0120606	0.00621457	0.00558956	0.0106287	0.00319465	0.0207027	0.0142218
DNAJC28	0.193868	0.321093	0.230549	0.1873	0.112929	0.175394	0.110676	0.0538419	0.486977	0.410611	0.437707	0.130048	0.312707	0.189983	0.0522037
DNAJC3	6.93339	4.37162	5.18447	7.53315	2.28902	8.4837	4.91521	6.1839	6.4528	9.0606	10.64	4.87514	12.5041	6.71087	8.10251
DNAJC3-DT	0.270865	0.322429	0.276803	0.172407	0.395998	0.481627	0.309265	0.382324	0.611255	0.18998	0.395707	0.108306	0.118221	0.195694	0.183057
DNAJC30	1.80834	2.33663	2.52353	3.13414	3.29132	4.35492	2.72165	1.7532	2.14674	1.66212	4.04153	1.69908	2.8579	1.83295	2.12482
DNAJC4	5.95345	7.28027	5.89628	5.92784	10.7587	11.6094	7.25702	4.85872	5.92308	4.54648	9.57937	5.50781	3.58147	4.21592	4.88911
DNAJC5	9.39189	9.4569	9.78077	20.9974	18.6775	24.5906	9.91461	7.57345	28.4146	22.8622	14.5559	15.7492	41.2098	17.0956	10.3985
DNAJC5B	0.0185392	0	0	0.00636838	0	0.00526195	0	0	0	0	0.0558091	0	0.00797425	0.00645958	0
DNAJC5G	0	0	0.00944993	0	0.0177439	0.00972656	0.0782547	0	0	0	0	0	0	0	0
DNAJC6	0.252669	0.153498	0.160556	0.124531	0.0796342	0.311804	0.192327	0.175736	0.0981146	0.0965166	0.082676	0.0602639	0.177197	0.147367	0.315535
DNAJC7	10.454	9.7285	8.69142	18.709	11.4781	20.3495	6.94192	8.39763	23.8464	19.7345	18.8251	13.5165	21.5626	12.1485	7.71897
DNAJC8	12.28	9.85482	9.6162	21.1185	9.57829	22.7446	7.74444	8.88465	12.4151	15.6102	26.9698	9.49072	21.6189	13.419	10.8904
DNAJC9	5.33756	5.04419	4.83507	8.93067	3.77853	8.88218	3.95045	3.50812	4.24223	6.88754	9.85796	4.00102	8.79021	5.62644	4.5172
DNAJC9-AS1	0.248514	0.325442	0.291428	0.200389	0.181855	0.262765	0.108179	0.186532	0.0868762	0.214998	0.145076	0.1431	0.132069	0.116218	0.0801734
DNAL1	0.80143	0.603747	0.655401	0.685274	0.252541	0.902901	0.582914	0.846989	0.430842	0.651289	1.04868	0.389749	0.670001	0.83008	1.01609
DNAL4	2.53686	2.79704	2.98707	4.81162	5.89885	6.44056	2.68327	1.96409	2.8432	2.44174	5.85059	2.03792	2.82167	2.41586	2.19042

DNALI1	0.475542	0.386115	0.356976	0.317631	0.328303	0.374924	0.361972	0.438275	0.107251	0.30948	0.566652	0.132325	0.306817	0.524694	0.531174
DNASE1	0.306283	0.734261	0.655078	0.546585	1.52012	0.686975	0.571468	0.537759	0.327528	0.478177	0.252992	0.630735	0.163874	0.648116	0.472046
DNASE1L1	1.84749	1.23335	1.22036	2.58208	2.95718	2.82052	1.35841	1.09322	1.85252	3.46943	4.03605	2.03589	6.00291	3.14299	1.8495
DNASE1L2	1.74533	3.32166	4.21607	0.701459	12.0644	3.77476	8.11055	2.15604	22.4252	0.722887	1.75353	2.62254	0.0675646	0.191559	0.150391
DNASE1L3	1.76369	1.51301	1.47684	2.48248	0.63479	3.33317	1.08054	0.726366	2.93382	0.944834	1.79674	0.923391	0.81875	1.57377	2.16222
DNASE2	5.52068	4.12597	4.56709	5.57045	6.78522	11.2564	6.13226	3.43135	3.76183	4.20949	8.54807	2.62247	5.06401	3.80095	4.6511
DNASE2B	0.0688269	0	0	0	0	0	0	0	0	0.0215962	0.0388485	0.0246237	0	0	0
DND1	0.95823	1.61708	1.09138	1.50536	2.53378	2.07905	1.41119	0.967786	0.834433	0.906832	1.30599	1.45297	1.24203	1.61548	1.34897
DNER	3.99628	1.30523	1.43943	0.670587	2.74673	5.02286	2.12393	1.84178	3.92807	0.932129	1.40529	1.33103	1.07699	0.425119	0.304734
DNHD1	1.43463	1.42086	1.43591	0.614492	1.43521	1.11349	1.62622	0.937874	0.15459	0.322332	0.246594	0.578737	0.171411	0.909483	1.02592
DNLZ	7.03549	1.6057	2.27194	5.2787	5.84772	5.75415	3.17088	3.37309	3.57018	5.0348	14.491	1.58971	8.62058	4.09637	2.26007
DNM1	2.77831	3.00368	4.21532	1.26142	4.5633	3.37401	8.41801	3.07124	0.471494	1.472	3.00782	0.928797	1.30768	3.02016	9.77053
DNM1L	6.50437	4.7583	5.21218	10.2696	2.04696	8.11276	2.98646	4.7329	4.42105	8.57547	7.86462	4.70318	11.2998	7.59415	6.55587
DNM1P35	0.0129762	0.137547	0.230799	0.00668617	0.161252	0.082868	0.155566	0.0807252	0.00790178	0.0162865	0.0146485	0.0464241	0	0.0339096	0.0372709
DNM1P41	1.90501	2.29126	1.59057	1.17695	3.14419	0.908388	1.59478	1.83538	0.714733	1.25563	0.364362	3.35039	0.704759	1.58107	0.825134
DNM1P46	0.199353	0.148443	0.179911	0.0809305	0.15014	0.344636	0.137948	0.0697935	0.029429	0.0606566	0.0272781	0.0475474	0.00389762	0.0284156	0.0173513
DNM1P50	0.19818	0.0795719	0.118407	0.0113461	0	0.084374	0.0502835	0.0489239	0.013409	0	0.0372868	0.00787796	0	0.00575431	0
DNM2	16.7807	19.9957	23.4065	21.6997	26.8509	31.7474	24.9164	16.4705	38.1867	20.0465	17.4058	19.01	29.126	18.3677	13.8623
DNM3	0.748421	0.517615	0.532329	0.256141	0.407538	0.289241	0.466677	0.773126	0.131174	0.22877	0.20888	0.247009	0.178184	0.233829	0.539396
DNM3-IT1	0.236758	0.0855551	0.0979313	0.0609964	0	0.050399	0	0.105205	0	0	0	0	0.0763774	0.030935	0
DNM3OS	1.03543	0.919297	1.07794	0.527526	0.521507	1.10455	0.813608	1.20195	0.116894	1.01849	1.62526	0.516118	0.34341	1.07168	4.04333
DNMBP	3.72664	5.72535	6.75296	3.45727	4.94236	4.02295	6.35883	4.63634	2.7911	2.61591	1.67626	3.84102	2.38215	3.15841	2.95178
DNMBP-AS1	0.154976	0.16476	0.232171	0.0970352	0.181465	0.0604838	0.16224	0.2295	0.0728669	0.2224	0.0363967	0.246837	0.0318516	0.273955	0.291151
DNMT1	3.44584	4.05271	4.16394	10.3958	6.60201	12.6051	5.07019	3.15644	3.65532	4.38335	3.74655	5.29471	12.7686	7.23696	6.62661
DNMT3A	2.05446	2.08605	1.90103	2.28184	3.52814	4.31506	1.84182	1.54519	0.829398	1.69516	1.48602	1.2359	2.22394	2.38411	2.8084
DNMT3B	0.82975	1.20659	0.847697	1.65351	2.5079	0.978916	0.99304	1.04837	4.77269	1.63114	2.36429	2.60016	0.728851	1.41594	0.775275

DNMT3L	0.0135657	0.0130723	0	0	0	0	0	0	0	0	0	0.00970661	0	0.01418	0.019482
DNPEP	4.96981	4.8272	5.20802	6.20461	5.59502	10.9053	5.07736	3.41229	5.29366	3.27458	5.43736	3.35949	4.18786	3.45587	3.15526
DNPB1	5.28487	5.09266	4.99658	11.3113	14.6142	13.2528	5.70254	3.6645	9.33625	7.17971	19.3401	7.27203	7.23168	7.1329	4.25359
DNTT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNTTIP1	4.32362	4.30468	4.79381	6.98848	4.62601	9.97521	4.34255	2.69452	4.9598	5.42659	10.511	2.63154	6.56304	4.00373	2.88564
DNTTIP2	8.57874	6.35367	6.40061	8.86693	2.35083	9.75889	2.74724	4.56387	13.1712	10.4364	13.2356	7.21511	16.6872	9.10945	6.17839
DOC2A	0.0380026	0.101342	0.0903403	0.0882673	0.175621	0.0989475	0.0613089	0.0619038	0.0187056	0.0188316	9.04E-14	0.0176962	3.92E-20	0.0340895	0.141352
DOC2B	2.43498	0.944797	0.873494	3.95272	2.37653	4.75219	1.13175	1.70439	0.104974	0.513865	0.681115	0.539648	1.96032	1.45282	2.01151
DOC2GP	0.10665	0.205542	0.264685	0	0.579825	0.0454055	0.12177	0.142172	0.0649439	0	0	0.0381555	0.034405	0	0
DOCK1	15.4276	15.121	16.0636	12.9749	12.5717	20.7854	15.0839	15.1053	15.0045	14.8194	14.8419	11.5963	14.6898	11.9614	12.81
DOCK10	2.11112	1.75243	1.96297	1.70289	0.890622	1.59231	1.11121	2.02776	0.555046	2.22898	2.92091	0.879415	1.6201	1.51213	4.01994
DOCK11	4.4243	1.28171	1.47961	3.1294	0.644464	4.42628	2.01026	2.64299	0.768545	3.68009	4.35689	1.06272	3.8083	3.61336	4.72659
DOCK2	1.52397	0.903713	1.21694	2.13945	1.46851	2.50512	1.32983	1.44511	0.271724	1.40489	2.13446	0.319284	1.91282	0.942748	3.09555
DOCK3	0.518108	0.747624	0.903154	0.39772	0.804801	0.371387	0.742467	0.657788	1.39077	0.36827	0.182029	0.849252	0.170551	0.279075	0.277128
DOCK4	2.76731	1.65334	1.70782	2.81758	2.09342	3.86433	1.95897	1.75844	0.647093	3.03911	4.17669	1.14053	2.94603	3.71559	5.64331
DOCK4-AS1	0.700467	0.466277	0.24399	0.655365	0.1718	0.384546	0.652444	0.696236	0.078574	0.38174	0.39537	0.29017	0.0832517	0.563593	1.33687
DOCK5	3.04748	2.31141	2.62719	2.78212	1.64433	2.89843	3.209	2.36643	0.926549	3.17833	2.05383	1.70307	4.68976	3.68309	3.52436
DOCK6	4.92875	6.82282	6.08769	9.24544	16.868	12.1715	10.1732	5.58861	17.6865	8.882	6.34363	14.1997	13.1213	11.676	10.8901
DOCK7	3.32473	3.41992	4.12447	3.57831	1.23606	4.35365	2.88755	3.26079	2.61135	3.5664	4.17461	2.71439	3.23727	2.95055	3.43253
DOCK8	1.92995	1.81758	1.68763	4.00812	4.01915	4.19489	2.12527	1.63564	2.2496	3.68777	3.03447	2.2052	4.97316	1.70083	4.37032
DOCK9	17.6156	15.0913	15.9981	13.0819	9.76137	14.5685	14.3235	12.9971	24.7676	10.6448	8.29835	11.0876	12.2205	8.96008	8.48772
DOCK9-AS1	0.767499	0.398238	0.195363	0	0.183414	0.251352	0.134816	0.367279	0	0	0	0.211218	0	0.030856	0.847866
DOCK9-DT	1.66611	1.83989	1.98196	1.71697	4.04263	2.34028	2.20778	1.30777	3.33251	1.35847	2.23777	1.33137	1.34174	0.578401	0.174652
DOHH	1.65147	1.44526	1.57068	3.18381	5.54944	4.83085	1.25706	0.858648	2.49019	1.84716	1.34433	2.2508	4.61725	2.75967	1.61341
DOK1	0.735112	0.383357	0.6296	1.11405	2.40467	1.78944	0.671462	0.64562	0.23172	1.4111	2.87031	0.253714	1.1941	1.26109	2.13627
DOK2	1.20645	0.49378	0.880009	2.31277	2.31735	4.44048	1.43673	0.611033	0.17379	1.51422	3.0021	0.0928222	2.36029	1.07124	2.17974

DOK3	0.484055	0.469602	0.389621	2.28519	1.76799	2.71807	0.537741	0.401121	0.374427	2.07713	2.34082	0.819081	1.55311	1.28545	1.7567
DOK4	5.37654	8.2962	8.69699	7.09606	17.1113	6.79672	10.5626	5.04514	18.912	9.92428	6.4848	8.61286	14.157	7.85306	3.99009
DOK5	0.161045	0.0593364	0.0705322	0.136674	0.323734	0.483979	0.22714	0.117866	0.0115373	0.356695	0.791361	0.0271133	0.262819	0.103973	0.585003
DOK6	0.374618	0.186764	0.256106	0.112599	0.173765	0.28354	0.237626	0.252009	0.0443569	0.130607	0.349477	0.0297832	0.0839241	0.0938168	0.616457
DOK7	0.132452	0.275576	0.503044	0.0372262	0.121576	0.0974022	0.591171	0.214023	0.0366619	0.0453386	0	0.107697	0.0116533	0.0346127	0.129694
DOLK	1.97409	2.13502	1.89371	3.65751	3.39266	4.56886	2.81744	1.66109	2.95412	2.47769	5.68979	2.15634	4.634	2.49704	2.21676
DOLPP1	2.15902	2.48533	2.18203	3.91282	4.13019	4.41029	2.34368	1.81479	4.14495	3.27044	4.85052	2.49609	6.36801	3.05725	1.77179
DONSON	1.53247	1.68012	2.06487	2.15611	1.58222	2.35972	1.12108	1.2396	1.46404	1.8543	2.82803	1.34603	2.73532	2.10066	1.85818
DOP1A	6.09564	6.13115	7.09837	3.49097	1.50732	3.17885	3.86357	6.31121	4.55353	3.65066	3.09413	2.9712	2.46432	3.15367	2.88404
DOP1B	2.58261	3.23954	3.18402	2.88044	5.2129	2.17894	4.33716	2.97982	6.61777	4.05271	2.51227	3.67685	4.8027	2.28768	1.74214
DOT1L	2.44833	4.18918	4.26326	6.12578	8.9972	7.06777	4.85056	3.45828	5.76903	3.47678	2.7264	6.35995	7.0302	5.47847	4.58255
DPAGT1	1.38296	2.13435	2.18985	7.41542	3.80974	6.29267	2.82497	1.91081	3.73703	3.11895	6.01304	3.77265	6.22506	4.87889	3.5688
DPCD	1.14743	0.922976	0.909012	1.71356	1.17817	2.34319	1.15466	0.829618	1.23164	1.72085	2.60159	0.93234	1.42416	1.28579	0.991505
DPEP1	0.101006	0.0486663	0.0313348	0	0.294183	0	0.0432471	0.0785452	0	0	0.0427588	0.00903408	0	0	0.253851
DPEP2	0.453407	0.106905	0.111729	0.328069	0.389611	0.427141	0.286379	0.162895	0.0352467	0.58118	1.17614	0.0759292	0.398347	0.267222	0.665004
DPEP2NB	0	0	0.0161566	0	0.0303368	0.0332591	0	0.0347133	0	0	0	0	0	0.0204145	0
DPEP3	0.0133159	0.00641581	0.0330476	0	0.0620526	0.0113383	0.045611	0	0	0.0668513	0.015032	0	0.0257741	0.013919	0.0956166
DPF1	0.0552121	0.106408	0.068513	0.0379317	0.300172	0.141037	0.115572	0.0736018	0.616386	0.612122	0.446681	0.190944	1.03899	0.509793	0.343596
DPF2	3.1362	3.33478	3.29529	5.23179	5.04896	8.47164	3.54654	2.46683	4.20002	3.61202	5.14102	2.90178	5.31449	3.73043	3.44272
DPF3	0.0973761	0.17203	0.172621	0.12902	0.108042	0.217157	0.190596	0.0906607	0.0338838	0.0640184	0.0837528	0.129397	0.0837687	0.0872451	0.206437
DPH1	4.23182	5.46459	5.76853	5.56354	8.79879	7.66759	6.37494	3.94368	4.13249	3.10511	3.5897	3.54297	3.19758	3.46526	3.67482
DPH2	3.18356	2.91894	2.91052	5.98672	5.13179	7.41624	3.2038	2.37934	3.44875	2.50943	4.84345	3.26032	5.72469	4.52519	2.5756
DPH3	1.44609	1.06158	1.16334	2.40549	0.486397	1.55127	0.851549	1.10301	2.11479	3.89435	4.53742	1.16507	4.29768	2.41615	1.83147
DPH3P1	0.668957	0.686497	0.98907	0.660044	0.751704	1.16345	0.877549	0.872796	0.849383	0.786017	0.56236	0.712892	0.46834	0.736446	0.36793
DPH5	2.71518	2.36959	2.19321	3.55038	1.63134	3.22799	1.55005	1.73009	1.591	2.31475	3.93258	1.45709	1.47087	2.43652	1.94967
DPH6	1.55315	1.45539	1.45493	1.23573	0.36366	0.972415	1.16701	1.5833	0.563295	0.723844	1.18606	0.559745	0.556304	0.668495	0.656034

DPH6-DT	0.0313379	0.0301982	0.0259249	0.17762	0.243393	0	0	0	0.0381661	0.0589985	0	0	0	0.0327571	0.0225026
DPH7	1.56096	1.93487	2.09335	1.77359	3.5438	2.02967	1.71624	1.27658	0.893664	1.03261	1.39062	1.50512	0.834963	1.6944	1.45617
DPM1	7.65155	5.80235	5.6595	13.0707	2.22487	8.07177	4.4327	5.82863	10.0072	11.2355	18.0838	7.59198	14.105	8.87468	5.1695
DPM2	4.08671	4.23379	4.28484	9.13257	7.72	9.62357	5.34975	3.97783	5.23239	5.58016	11.4912	5.62337	7.57213	5.64095	5.67555
DPM3	6.13481	5.15744	5.28516	8.89453	12.4869	9.47476	7.29438	5.03851	5.66804	5.57573	13.5165	3.96579	4.80438	4.46673	3.52414
DPP10	0	0.00307817	0.00264259	0.0197512	0	0.0951981	0.0145888	0	0	0	0	0	0.00206098	0.00500852	0.00458749
DPP10-AS1	0.0317028	0	0	0.0326707	0	0.431912	0.180986	0	0	0	0	0	0	0	0
DPP10-AS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPP3	2.85584	2.4851	2.37054	6.97716	5.04539	11.1634	2.72327	1.72642	2.78818	5.03052	4.54968	4.66198	8.45164	4.93874	3.74085
DPP4	3.21629	2.49032	1.49728	5.14906	1.72372	8.66054	3.07602	4.22427	1.84291	2.18969	4.7562	0.43734	4.51016	0.691618	4.05654
DPP6	0.0126175	0.289458	0.506196	0.0338022	0.0358149	0.0142016	0.257714	0.557476	0.01003	0.0134883	0.00569745	0.0169843	1.78E-29	0.00945241	0.00362407
DPP7	10.4909	11.661	12.6453	15.8555	29.9687	19.121	16.5048	9.13268	15.13	11.5505	24.6553	10.7119	14.0361	9.79913	12.2093
DPP8	5.2837	3.93974	4.21541	3.71787	1.08245	3.90317	3.36049	4.40043	2.632	3.5649	3.87019	2.29532	4.14508	2.89519	3.98194
DPP9	4.41247	5.14656	5.43336	11.2327	9.57411	9.51584	6.96601	4.1389	5.41613	6.78077	4.89229	5.89613	14.429	7.05378	6.33874
DPP9-AS1	0.573261	1.05899	0.882104	0.562124	1.32354	0.741409	1.0978	0.883998	0.253972	0.524334	0.362286	0.663425	0.241854	0.947026	0.993822
DPPA2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPPA2P3	0	0.00973858	0	0	0	0.0516315	0.0923109	0.017963	0	0	0	0.0433873	0	0.0105638	0
DPPA3	0.0430168	0	0.0355866	0.022165	0	0.0549424	0.122788	0.0191149	0	0	0.121402	0	0	0.0112412	0
DPPA4	0	0	0.00679644	0.00846631	0	0	0	0	0	0	0.0278228	0	0	0	0.0707909
DPPA5	0.0350652	0.0337899	0.0290084	0	0	0	0	0	0	0	0	0	0	0	0
DPRX	0	0.0516235	0	0	0	0.0304105	0	0	0	0	0	0	0	0	0
DPRXP4	1.53127	2.86732	1.52589	1.18351	0.702765	0.622295	2.42385	2.2578	1.14438	1.74718	0.314293	2.46524	0.718522	1.74613	1.89922
DPT	16.3662	5.6076	7.8222	4.22336	6.11635	2.66852	12.4015	3.57077	0.636134	3.39553	5.86617	2.89407	6.2907	5.5718	27.8701
DPY19L1	1.25403	0.795843	0.959161	2.35599	0.458139	2.69236	0.915442	1.35331	0.585149	2.571	4.02759	0.894319	3.4522	2.08031	3.50976
DPY19L1P1	0.781603	0.505154	0.357404	0.372039	0.101857	0.31309	0.269782	0.388728	0.0465186	0.217365	0.388311	0.132711	0.0599479	0.324946	0.65347
DPY19L1P2	0.0396965	0.0956319	0.0328397	0.0613626	0.0924935	0.101403	0.0453242	0.0881973	0.0483459	0	0.0448124	0.0710097	0.012806	0.14523	0.0285046

DPY19L2	0.883773	0.32539	0.341773	0.0883972	0.43944	0.231788	0.324688	0.531251	0.0903163	0.272473	0.465495	0.244902	0.0041099	0.290604	1.57944
DPY19L2P1	3.41E-43	0.0046006	0	0	0	0.047157	7.67E-37	2.02E-43	0	0.0122931	1.94E-35	0	4.47E-43	0.015812	1.39E-37
DPY19L2P2	0.745828	0.898987	0.839597	0.45964	0.837572	0.538617	0.786124	0.717968	0.183421	0.322905	0.317967	0.611147	0.112987	0.785228	0.591151
DPY19L2P3	0.132549	0.10711	0.0445014	0.0525725	5.27E-17	0.0930456	0.0772946	0.100802	0.0727291	0.0336964	0.0927726	3.59E-15	1.49E-25	0.0544366	1.82E-17
DPY19L2P4	0.177847	0.027628	0.123949	0.0618721	0.071257	0.132249	0.028287	0.0980825	0	0.0169184	0.0409316	0.0164118	0.0147986	0.0119877	0.0693432
DPY19L3	2.05292	1.47739	1.46322	2.27745	0.807388	2.69369	1.27231	2.09697	1.22962	1.821	3.15331	1.37527	1.79017	1.82733	3.52287
DPY19L4	1.84135	1.76186	1.86726	2.19214	0.876527	1.90812	1.30556	2.32928	1.05346	2.12004	3.82623	0.911116	1.80839	1.7269	2.31672
DPY30	3.78166	3.51818	3.22937	6.17791	2.03026	5.68328	2.56679	3.80997	9.74188	6.43055	13.5153	4.52643	5.09344	4.36277	3.3787
DPYD	3.60529	2.58289	2.8054	5.78404	2.1188	5.43174	2.32434	3.21549	0.797991	2.24989	3.44713	1.16752	2.28656	1.76588	4.09536
DPYD-AS1	0.178986	0.107389	0.0749766	0.178984	0	0.0373805	0	0.0389779	0	0	0	0.0324989	0	0.0702929	0
DPYD-AS2	0.226615	0.0818899	0.140604	0.291917	0.0440014	0.16884	0.0323427	0.377618	0	0.0711063	0.0319775	0.0608059	0.109658	0.0592194	0.040681
DPYS	0.109011	0.0262616	0.0270545	0.0561695	0.253998	0.491954	0.0373396	0.135632	0	0.041046	0.073836	0	0.0211	0	0.250486
DPYSL2	21.9183	9.56218	12.956	16.0757	12.7679	33.8752	21.5451	14.2326	3.57367	10.5881	19.5553	5.95418	18.7297	13.4422	26.2235
DPYSL3	10.7513	5.08704	6.9725	8.15599	8.28951	15.9216	14.355	5.616	0.605873	12.6838	15.5898	4.80989	25.3546	16.0708	32.451
DPYSL4	0.085116	0.184546	0.232366	0.973632	1.58658	4.47897	0.320703	0.166417	0.103662	0.779854	1.0089	0.152257	0.483265	2.5757	0.378936
DPYSL5	0.0129677	0.00208268	0.0143037	0	0	0	0	0	0.00526441	0.00542527	0	0.00930853	0	0	0.00620776
DQX1	0.149367	0.673105	0.363431	0.633816	1.36481	0.231923	0.591881	0.390426	0.738348	0.396996	0.456256	0.729271	0.334463	0.422472	0.189273
DR1	7.48109	8.39777	8.54627	10.4007	8.11321	10.9218	6.80368	9.40545	10.7365	11.7528	17.0615	7.13379	15.1087	9.04528	6.7861
DRAIC	0.0407209	0.0850198	0.0561453	0.013988	0.0210845	0.0924622	0.139481	0.108568	0.0165312	0	0	0.0097123	0.0788188	0.0141884	0
DRAM1	1.92695	0.824577	1.26989	5.95062	0.933481	11.7802	1.49907	1.08556	0.636424	3.33675	6.8282	0.705752	5.87072	2.23954	5.95684
DRAM2	4.32204	3.0744	3.12133	4.43346	0.933567	3.74212	2.59317	3.60029	2.80335	4.8488	6.6821	2.55133	4.74326	3.17332	2.98315
DRAP1	14.4846	16.2212	15.7165	30.4705	31.3348	47.0983	19.8246	11.1331	52.473	71.1288	79.1827	39.9405	136.08	51.3309	20.3717
DRAXIN	0	0.0188675	0	1.00887	0.243311	0.0333435	0.0596142	0.0348014	0.0158971	0.0491487	0.0589411	0.0093398	0.370557	0.0341105	0.0562375
DRC1	0.0185515	0.0178768	0	0.124266	0.0432254	0.0631856	0.0211816	0.0247306	0	0	0.0628271	0.0265483	0.0299234	0.0339355	0.119891
DRC3	0.56381	0.517433	0.518248	0.193674	0.556058	0.350532	0.378069	0.302231	0.0544966	0.19095	0.0909244	0.23693	0.167448	0.318058	0.514097
DRC7	0	0	0	0	0.0236352	0.012956	0	0	0	0	0	0	0.0245427	0.0278333	0

DRD1	0.176491	0.0438895	0.0423887	0.0410694	0.0707486	0.0484773	0.0130007	0.0252984	0.00693374	0	0.0321348	0	0.0257128	0.00892662	0.163524
DRD2	0.0600227	0.0495769	0.106404	0.0441823	0.0399583	0.0438073	0.107693	0.0914455	0	0.0322863	0.0290392	0.0736249	0.016597	0.053778	0.0615716
DRD3	0	0	0	0	0	0	0	0.00978944	0	0.0138253	0	0	0	0	0
DRD4	0.16992	0.392975	0.632563	0.157596	0.765437	0.217026	0.504423	0.513435	0	0.06398	0.0575454	0.060791	0.0219263	0.0976882	0.219623
DRD5	0.0681824	0.0328513	0.0080579	0.0100377	0.0302602	0.0248813	0.0222424	0	0	0.0244503	0	0.0209084	0.100551	0.0356351	0
DRD5P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DRG1	10.151	9.35119	8.72774	17.0072	9.44595	18.4285	9.91355	7.74477	13.0431	12.1797	16.7925	8.27974	15.0965	11.0278	6.5785
DRG2	4.40379	3.95327	4.0362	7.87022	5.47249	9.40392	5.84846	3.47085	5.40568	5.13448	6.64588	4.45291	6.87898	5.46334	3.69477
DRGX	0.0727007	0.186818	0.240573	0	0.0376431	0.0619037	0	0.0430735	0	0.0912468	0	0	0.0156354	0	0
DRICH1	0.124616	0.188704	0.412366	0.0550375	0.359492	0.0606339	0.284566	0.174034	0.0216813	0.0223438	0.0602899	0.0127381	0.011486	0.186086	0.255664
DROSHA	4.10487	4.48302	4.04366	5.7878	2.96252	7.06583	4.16284	3.68549	2.54835	2.92742	2.86112	3.49746	4.05819	4.30397	4.09939
DRP2	0.0325134	0.00626618	0.0134487	0.0268048	0.00505046	0.0636749	0.0519719	0.0173371	0.00791954	0.0367269	0.0734072	0.0139585	0.00209775	0.00509788	0.0186774
DSC1	136.961	168.909	132.822	20.6479	104.344	33.9862	188.369	138.406	936.318	103.329	150.981	254.772	36.0513	25.2607	12.7365
DSC2	16.2583	10.1977	5.03249	234.884	24.6047	92.8553	4.98905	12.4565	82.8081	504.16	273.986	278.612	957.348	266.318	96.085
DSC3	76.8819	120.27	109.288	172.14	50.6714	133.574	78.45	97.6483	183.05	133.118	99.5635	155.963	165.278	86.4629	31.7822
DSCAM	0	0	0	0.00836632	0.0042036	0.00691277	0	0.00721502	0	0.56382	0.0427688	0.108434	0.797921	0.114563	0.155455
DSCAM-AS1	0	0	0	0.013482	0	0	0	0	0	0.0820998	0	0.0374437	0	0	0
DSCAM-IT1	0	0	0	0	0	0	0	0	0	0.322743	0	0.0229993	0.103693	0.0167994	0.0923232
DSCAML1	0.053665	0.0500972	0.0749174	0.0103694	0.0312601	0.0542629	0.157012	0.0298081	0.00408487	0.0042097	0.00378632	0.00239992	0.0151482	0	0.0240843
DSCAS	1.20375	3.0606	2.70143	0.5277	8.15436	0.63529	5.58812	1.86437	13.257	1.84177	3.21324	4.77382	0.980211	0.727133	0.0649685
DSCC1	0.560982	0.329262	0.396581	0.935484	0.269341	0.512408	0.279496	0.498554	0.124221	0.537669	1.51987	0.306522	1.38854	0.639695	0.571273
DSCR10	0	0	0	0	0	0	0.0307256	0	0	0	0	0	0	0.0140646	0
DSCR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSCR8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSCR9	0.183005	0.196697	0.209623	0.0725352	0.240536	0.155826	0.128584	0.150129	0.0171445	0.0706737	0.0158915	0.0805814	0.0363304	0.132433	0.464985
DSE	2.97812	2.9115	3.55172	7.19253	2.38117	3.74036	2.78719	2.26034	2.03517	5.08253	6.78496	1.68478	7.12023	3.91307	4.49447

DSEL	1.57337	0.79443	0.984121	0.904542	0.753912	2.52237	1.12745	1.24102	0.595236	2.79797	5.48072	0.378318	1.55576	1.34888	3.87119
DSG1	186.944	251.139	198.394	145.79	164.357	128.571	219.149	206.548	1066.68	517.135	381.219	537.782	577.613	226.835	83.3151
DSG1-AS1	1.6616	3.12066	2.61363	1.16242	1.91981	1.45089	2.63511	1.22403	4.46611	2.87764	1.82842	6.71476	4.14156	2.02725	1.30093
DSG2	4.60847	2.04031	2.4649	5.18479	0.776752	4.00231	1.57099	2.99615	0.437024	2.97447	2.24343	0.948029	4.88991	2.65205	2.33859
DSG2-AS1	0.0968216	0.011845	0.0712748	0.0253007	0.0215166	0	0.0275267	0.0108028	0	0	0.0134689	0	0	0.0315253	0.0509192
DSG3	31.9893	23.6046	18.55	240.398	28.7995	88.3322	10.8379	24.8004	71.8856	356.355	175.721	154.788	505.643	170.698	64.1012
DSG4	0.0246622	0.106944	0.0897703	0.23382	0.0689562	0.0209996	0.0506854	0.149041	0.0600717	0.235248	0.0668175	0.112938	0.0859246	0.121162	0.0991707
DSN1	1.96766	1.58156	1.65061	2.78577	1.11404	2.63843	1.41726	1.31561	1.51174	2.18111	3.36302	1.26976	2.42041	2.10964	1.9411
DSP	376.38	518.421	427.238	528.462	466.268	475.479	439.81	323.795	1084.49	715.065	298.757	915.073	1066.79	417.72	193.985
DSPP	0.0106872	0.0102985	0.00884117	0	0	0.01365	0.0122023	0.0142468	0	0.00670674	0	0	0	0	0.0767406
DST	20.0454	31.0326	35.628	28.7474	8.38344	23.4963	10.6794	13.7639	28.5095	20.0261	13.3978	13.6982	27.2933	31.1666	15.7867
DSTN	59.7285	42.0823	41.3392	83.1694	19.1483	76.5806	46.279	44.3412	111.786	128.635	122.865	82.4058	169.562	73.4284	51.4534
DSTNP2	0.712094	0.524738	0.433158	0.777	0.780796	1.12351	0.550002	0.483944	0.38261	0.893751	0.851151	0.734311	0.621594	1.09462	0.842188
DSTYK	4.08785	4.13661	4.41298	2.80441	2.83631	3.49318	4.09608	3.4613	2.82247	2.65898	2.65913	2.39106	2.73185	2.3231	2.57183
DTD1	4.78145	2.83325	2.82367	4.79991	3.65144	6.19065	3.4401	3.20156	4.6267	5.59929	6.57247	4.44188	6.29201	4.2753	3.28183
DTD2	1.9789	1.99358	1.75918	3.13248	0.85997	2.67332	1.50853	1.74978	2.62926	3.58751	4.84113	2.33563	4.95869	2.89499	2.2943
DTHD1	0.061225	0.0648981	0.0253248	0.0315471	0	0.0260661	0.0209714	0.0870587	0.0298261	0.084528	0.0276462	0.473128	0.019751	0.0415985	0.0967195
DTL	0.44806	0.332313	0.287371	1.85214	0.218964	1.70183	0.839222	0.46531	0.251384	0.897252	1.31282	0.511518	2.08531	0.902496	0.55671
DTNA	0.653588	0.191232	0.287299	0.195616	0.177585	1.19018	0.44824	0.35273	0.0210164	0.276147	0.379867	0.165147	0.237984	0.204054	0.489453
DTNB	1.87001	1.53462	1.40232	1.5909	1.58822	1.93881	1.48229	1.47958	1.44594	0.51078	0.774542	0.837479	0.49042	0.885942	0.792147
DTNBP1	2.21573	1.77348	1.72826	2.23677	2.05103	3.61932	1.57986	1.35831	1.1565	1.74804	2.42982	1.10655	1.62213	1.31874	1.54557
DTWD1	2.59202	1.90171	2.12342	1.92531	0.470607	2.77316	1.2107	2.38585	0.942938	1.80619	3.6291	0.782812	1.30856	0.958849	2.16338
DTWD2	1.06634	1.15888	1.19236	0.718062	0.359661	0.901321	1.15062	1.4406	0.822974	0.897146	1.62265	0.824321	1.22478	0.792635	0.381447
DTX1	0.971332	0.579916	0.885075	0.594789	1.18081	1.19267	1.28584	0.588004	1.74017	1.13961	0.707172	1.05259	0.567662	1.00429	0.454877
DTX2	4.961	9.1889	9.3017	7.72556	12.9007	7.25977	9.1445	7.38021	4.09823	4.00833	5.2575	4.18515	5.79821	4.31549	3.15366
DTX2P1-UPK3BP1-PMS2P11	4.27834	8.33634	6.46195	3.36692	7.29147	2.01963	5.3691	5.83543	0.999975	1.41178	1.50269	2.70617	1.00616	2.0902	1.84454

DUSP22	6.56326	6.23228	6.63131	8.99552	7.90779	10.03	6.55135	5.6979	6.84334	8.0221	7.26002	7.47893	9.13802	6.5706	5.52833
DUSP23	7.39212	5.86301	5.198	14.2102	15.369	25.2741	8.27778	5.0282	12.0153	8.5642	21.9532	7.93392	8.51149	8.61843	5.22635
DUSP26	0.011328	0	0	0.0116738	0.0175963	0.0482281	0	0.0100674	0	0	0	0	0.0146175	0	0
DUSP27	0.0449489	0.0270713	0.0697216	0.0463211	0.00872764	0.119604	0.0384909	0	0.0136857	0	0.0190281	0	0	0	0.0403452
DUSP28	0.928625	1.15831	1.17802	0.579998	2.56093	0.946178	1.11266	0.877253	0.673592	0.794325	1.03671	0.702501	0.284231	0.674272	0.769403
DUSP3	7.89402	6.22187	7.32938	10.5188	5.66884	18.2288	8.51311	6.23715	11.2278	12.2192	17.8291	7.89809	16.4713	10.8631	9.47421
DUSP4	1.5889	0.675936	0.688522	0.961648	1.55236	2.4213	1.17704	0.924575	0.906118	1.27409	1.54811	0.503033	2.29844	2.89825	2.14151
DUSP5	1.96826	2.50537	2.58253	4.38689	1.59268	4.36525	2.40408	1.81431	16.5345	6.94	9.15637	6.9893	15.3334	8.17216	3.73383
DUSP5P1	0.140431	0.0867201	0.131664	0.0578873	0.0436276	0.119575	0.0869973	0.0832023	0	0.0822526	0.0422745	0.00669882	0	0.0782885	0
DUSP6	4.15825	3.05782	3.49641	14.5558	4.58498	17.4998	3.88384	3.47133	7.28928	10.0702	21.0082	5.82386	18.1999	15.52	9.09474
DUSP7	9.32021	16.8657	21.6624	29.2569	17.9023	27.6238	13.2733	13.207	22.6322	26.1719	23.6529	23.1925	60.1197	32.089	9.88969
DUSP8	0.470829	1.45335	2.19149	0.831776	0.62688	0.740132	1.26419	0.634548	3.69255	1.00005	1.17399	0.977353	1.87941	1.80095	1.0254
DUSP9	0.160036	0.038554	0.0882623	0.284033	0.082864	0.567787	0	0.0711135	0.0433125	0.145067	0.100367	0.0954253	0.820302	0.339215	0
DUT	6.10434	6.02509	5.94061	10.23	6.90445	10.3534	4.37581	3.20409	4.89611	7.16562	17.0269	4.3183	7.20138	6.44266	5.24858
DUX4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DUXA	0.06937	0.0637719	0.097497	0.0429709	0.185504	0.0648402	0.0715649	0.0495781	0	0.0435882	0.0546561	0.0198821	0.0313785	0.0507039	0.0299568
DUXAP10	0.0162556	0.0105801	2.86E-07	0.0767249	0.0510287	0.16582	0.08271	0.035172	0.00702953	0.120633	0.370261	0.0355699	0.211359	0.253365	0.382101
DUXAP8	0.480642	0.266126	0.241895	0.523918	0.259798	0.593405	0.189894	0.0770512	0.110043	0.809531	1.38559	0.215424	0.950708	1.21238	0.948934
DUXAP9	0.523731	0.345434	0.423148	0.397256	0.222434	0.926177	0.31071	0.257514	0.019492	0.343852	0.7275	0.280807	0.825388	1.41274	1.72038
DUXB	0.37361	0.210013	0.394931	0	0.161207	0.0353471	0.284384	0.14757	0	0.026051	0.0468621	0.133664	0.0267835	0.130177	0.0596168
DVL1	7.74006	10.8271	11.951	12.6684	24.6456	16.0986	9.25145	5.61685	14.793	17.124	9.12078	14.5662	26.0397	17.2339	7.66912
DVL2	4.9954	6.38872	6.48765	6.66618	8.52243	10.7547	6.57971	4.67136	8.14916	4.18946	6.20224	4.82619	4.99541	4.50375	4.1876
DVL3	7.96885	10.6484	10.8512	10.8553	11.235	17.7362	11.6199	8.41476	11.0749	9.39348	9.5997	9.37563	13.1383	9.91158	11.9695
DWORF	0.145554	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DXO	0.312463	0.430124	0.387969	0.446964	0.77691	0.650769	0.374464	0.283302	0.26469	0.314206	0.495217	0.321601	0.43551	0.429532	0.426608
DYDC1	0	0.0145951	0	0	0	0	0	0	0	0	0	0.0650241	0	0.0158319	0

DYDC2	0.084498	0	0	0.0774023	0.0145838	0.111921	0.0428787	0.0166877	0.0114343	0	0	0.00671784	0.0181725	0.0147208	0
DYM	5.77112	4.43209	4.99015	4.49176	2.8927	6.1857	4.86364	4.44136	3.88955	4.03101	6.17464	2.80979	4.34165	3.79675	4.03745
DYNAP	0.0433594	0.0052228	0	0.569709	0.016838	0	0.0123766	0	0.224429	0.0408153	0.2325	0.0232686	0	0	0.0311348
DYNC1H1	26.7614	29.5275	31.3512	32.3965	35.3876	40.8961	35.4936	22.8022	36.9656	32.5228	17.6612	32.2702	46.2708	25.9186	29.1896
DYNC1I1	0.566629	0.253275	0.372746	0.0844233	0.222694	0.796379	0.522244	0.430767	0.0997722	0.128526	0.223494	0.0586176	0.0704745	0.0713603	0.539233
DYNC1I2	7.65157	7.6264	7.74027	13.309	6.25839	12.8235	6.722	7.17449	14.3522	16.0662	15.9273	9.58471	18.4806	11.0337	9.22359
DYNC1L1	7.24015	9.43481	9.97009	8.74049	4.99685	9.99191	6.92155	7.61824	19.4121	12.0328	14.321	9.09023	12.3829	8.58625	5.19237
DYNC1L2	11.7663	12.6281	12.6272	15.7553	8.39741	16.0772	10.5536	10.9097	11.9202	12.4852	10.068	10.2997	18.7156	12.6993	13.7406
DYNC2H1	3.01894	1.99504	2.01115	1.73923	0.679671	2.04988	1.38302	2.4863	0.905297	1.74506	2.00248	0.809906	0.712853	1.59109	2.16416
DYNC2L1	1.7507	1.15428	1.27044	1.41642	0.608297	1.49724	0.710134	1.37845	1.10349	1.58052	2.53108	1.0384	0.827341	1.48486	1.31225
DYNLL1	50.4494	69.8818	61.4045	131.126	48.005	108.939	80.6162	49.8922	416.504	294.341	449.166	233.295	262.349	149.885	65.7303
DYNLL2	13.3354	10.7111	10.7426	12.3949	14.1246	26.7494	11.4411	8.59462	6.44455	6.92774	6.69448	4.89603	10.9094	5.7299	6.66037
DYNLRB1	9.99148	10.1868	10.4755	13.6585	9.71121	17.7897	13.3677	8.2937	23.6171	14.7373	20.0562	11.0288	14.9978	8.16863	8.16217
DYNLRB2	0.146785	0.133588	0.256354	0.100844	0	0.0833235	0.186216	0.0289889	0.158904	0.0818799	0.202524	0.105028	0.0315682	0.017048	0
DYNLT1	11.8713	9.63406	7.53919	25.6414	8.05597	26.113	7.4617	7.40646	15.6992	25.3596	53.6392	13.5779	26.9818	15.2919	10.7631
DYNLT3	4.04168	2.82792	1.74522	7.87811	1.03824	4.99764	2.44446	4.47364	12.363	14.6939	18.5449	8.27226	12.8699	5.92224	5.81936
DYRK1A	7.61536	6.49703	6.79174	6.16934	5.65937	6.74946	5.49097	5.73676	6.20862	5.25781	4.89671	4.35504	7.42813	4.94481	5.733
DYRK1B	2.27829	3.39293	2.89045	3.76768	7.27373	6.08815	3.72197	2.4329	3.16951	2.76906	4.64569	2.74488	2.59128	1.99554	3.03912
DYRK2	3.61104	3.27689	3.06812	3.29144	3.27448	3.63469	2.90454	3.21922	2.67717	5.08877	5.18787	3.31783	5.25123	4.15363	4.44663
DYRK3	0.706267	0.734831	0.618145	3.61806	0.906281	3.18119	0.677838	0.500318	0.585902	4.41935	4.87617	3.63267	6.22766	5.14637	4.20415
DYRK4	1.2185	0.762404	0.805024	1.77891	0.998953	2.31285	0.869528	0.759535	0.906887	1.62493	4.01198	1.15644	1.15196	1.12774	1.11801
DYSF	1.5009	0.766055	0.849685	7.00941	4.34176	7.53251	2.17477	0.689544	0.724198	5.49168	4.23581	2.61202	14.2322	6.72762	9.77731
DYTN	0	0	0	0	0	0	0	0	0	0	0	0	0.00728024	0	0
DZANK1	0.701874	0.431776	0.383637	0.322903	0.379642	0.490916	0.386378	0.350869	0.129747	0.228096	0.16271	0.300429	0.121298	0.239095	0.206996
DZIP1	0.834037	0.474916	0.402779	0.622829	0.99055	2.01435	0.376502	0.469661	0.150504	0.953883	1.45401	0.291797	0.696993	1.11925	1.36451
DZIP1L	1.51564	2.99803	3.86437	1.45819	1.64618	1.40145	1.8657	1.69423	0.16584	0.787663	0.855482	1.63519	0.48512	0.987078	2.26167

DZIP3	0.970003	0.913562	1.02948	0.688548	0.337307	1.18762	0.51803	0.983475	0.274634	0.604807	0.702403	0.292824	0.210374	0.445589	1.04351
E2F1	0.96858	0.764028	0.865096	1.7048	1.43797	2.00709	1.03739	0.639881	1.95212	1.0005	1.81912	1.0549	1.6425	1.12444	0.726276
E2F2	1.21665	1.8724	0.763168	1.93809	4.48586	1.63932	2.04553	0.819853	1.02039	0.632062	1.09674	0.631384	1.12139	0.801247	0.486417
E2F3	0.999594	0.799098	0.778727	2.57758	1.05139	3.4084	0.931469	0.852504	1.30474	1.69342	2.53007	1.24445	3.14079	2.26541	1.77673
E2F4	8.0119	6.632	6.6736	16.3881	15.0644	19.584	6.12785	5.60223	8.92545	9.59931	15.128	9.75432	16.9369	12.9077	9.16374
E2F5	0.398906	0.309109	0.316006	0.391359	0.158232	0.428972	0.137759	0.272921	0.125132	0.0958468	0.21317	0.0726323	0.205453	0.244802	0.424695
E2F6	2.11306	1.33485	1.42065	1.43789	0.979485	2.15338	1.30205	1.46656	1.74016	1.43972	2.28694	1.15196	2.22895	1.62326	1.98455
E2F7	0.177372	0.172864	0.106716	0.826697	0.175331	0.748286	0.382022	0.161216	0.137467	0.511015	0.591592	0.377859	1.26664	0.924918	0.521037
E2F8	0.163226	0.463441	0.409918	1.32164	0.298822	1.18137	0.492538	0.233134	0.127794	0.841409	0.592269	0.750807	1.37282	0.630675	0.452081
E4F1	3.4134	4.18941	4.02266	3.95845	8.39405	4.75738	2.83079	2.33529	5.06088	3.24326	2.61158	3.598	3.32318	3.19385	2.60775
EAF1	5.07414	4.30573	4.26595	7.00396	3.96498	9.22511	5.22828	3.84955	17.2078	10.1548	7.21249	8.84795	17.9028	8.07719	6.82056
EAF2	0.5859	0.369156	0.354202	0.90568	0.17502	0.882645	0.283022	0.340457	0.274446	0.848498	1.22106	0.370855	0.683343	0.282662	0.2589
EAPP	8.77305	6.93196	7.81165	9.69555	3.04021	12.2066	5.42985	7.96463	7.98733	8.98554	13.4116	5.24548	6.86773	4.63006	6.5585
EARS2	3.56599	3.2072	3.29765	3.71477	4.22527	4.76879	3.57916	2.65325	2.88185	1.94988	2.52145	2.17179	2.29007	2.59768	1.98497
EBAG9	2.49525	1.70385	1.96855	2.52034	0.551879	2.39202	0.830172	1.79903	1.69054	1.50368	2.76087	1.22969	1.97775	1.58481	1.29338
EBF1	5.6386	2.20015	2.80996	1.05088	2.14891	4.89377	4.61445	2.97203	0.388106	2.21158	4.68933	0.673324	1.24573	1.787	6.92402
EBF2	1.45832	0.199119	0.282939	0.137067	0.383694	1.13657	1.12269	0.493927	0.075208	0.453113	0.6703	0.132557	0.153241	0.471707	2.06022
EBF3	1.87264	0.834026	0.807134	0.816248	0.977765	1.4382	1.78476	0.950996	0.15971	0.78345	1.84751	0.315276	0.639643	0.890993	2.56881
EBF4	0.675768	0.624376	0.631389	0.884836	1.77832	1.01542	0.925884	0.416863	0.145237	0.738396	0.87953	0.284429	0.748898	1.10111	2.29492
EBI3	0.18319	0.0686497	0.0673547	1.02782	0.189705	0.467953	0.1162	0.235162	0	0.153282	0.344665	0	0.157591	0.0531907	0.584632
EBLN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EBLN2	1.7963	1.66388	1.56666	1.24844	0.821942	0.675838	0.890339	1.63353	0.407013	1.0661	0.675934	1.15578	0.251558	1.7976	1.23986
EBLN3P	6.18382	5.99715	6.19222	4.68815	2.62121	5.8555	4.35467	5.18069	6.8934	5.20521	6.50304	4.81833	4.93517	5.05664	4.43658
EBNA1BP2	6.94852	5.86731	5.09538	21.0463	12.8515	20.1259	4.74731	4.20872	11.5805	13.0907	15.4813	8.5822	21.0336	12.9573	6.39628
EBP	8.70115	7.17036	7.34713	21.376	12.9255	21.6136	9.47792	5.61743	12.9844	16.8206	19.6224	10.1332	21.3071	13.7682	3.01626
EBPL	5.99043	5.40699	5.31913	12.3054	6.85484	10.3036	4.99297	5.46578	10.3842	8.22035	19.0927	4.91497	6.3386	7.31581	3.18312

ECD	6.44953	5.54191	5.69615	7.59591	3.124	7.28848	4.46809	5.40603	5.83985	6.19236	7.5827	4.1257	6.85857	5.44202	4.23992
ECE1	11.2951	5.58025	6.57094	13.0617	12.7643	29.0792	9.79218	6.42442	2.19609	9.44276	11.658	3.50705	19.3097	11.967	21.7252
ECE2	0.00028199	0.00012866	0	6.87E-05	0	0	0	0.0038197	0	0	0	0	0	0	0
	5	7													
ECEL1	0.0159828	0.0808578	0.198331	0.255296	2.42061	0.176919	0.0364972	0.0284083	0.00973261	0.02006	0.0360851	0	0.010312	0.00417665	1.20505
ECEL1P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ECH1	16.2533	14.5939	13.4004	26.2478	41.6987	35.0433	14.7079	12.6044	42.3119	21.6874	35.5375	26.8256	20.4056	17.0085	11.8156
ECHDC1	6.0205	4.60762	3.62733	8.0097	2.1801	8.20057	2.43132	4.73977	11.8117	7.77505	11.6806	5.02117	6.98812	5.18023	5.22663
ECHDC2	4.35789	6.78692	6.23619	5.71575	13.8976	5.48169	3.93281	3.26657	6.88895	3.56352	4.08718	7.01592	2.42118	4.33668	2.43385
ECHDC3	3.62397	4.36858	4.51437	6.71941	3.8253	5.44477	2.87565	2.15127	4.46471	3.77575	5.10192	2.61307	3.72843	2.08418	0.602836
ECHS1	10.9882	10.7396	10.5452	25.4108	18.1234	32.873	14.0371	8.80585	15.2487	14.7967	27.3837	12.1486	19.6956	14.0887	8.30283
ECI1	8.16946	5.73979	6.64903	9.82573	13.7503	12.5623	6.1346	4.16831	7.07993	7.54501	11.8323	4.3959	8.39649	5.67376	3.16236
ECI2	5.12711	3.68318	4.29649	4.26048	1.98231	9.68088	3.56721	2.64868	1.98894	4.81941	8.88387	2.29312	5.19218	5.24001	4.94293
ECM1	12.3963	14.5745	13.3701	28.2538	32.1301	30.3936	52.5629	15.0455	153.221	94.9001	71.1133	46.0764	91.3355	21.9144	36.9757
ECM2	2.79405	2.18832	3.51141	0.698395	1.08965	1.43758	2.57249	2.38274	0.275123	2.99198	5.82508	0.986847	1.02409	2.20909	7.11171
ECPAS	11.7226	10.2458	10.4682	13.5326	7.70736	14.5083	9.57683	9.07444	13.2935	11.5292	9.22952	10.3698	14.4751	10.7385	9.82238
ECRP	0.420783	0.405479	0.348101	0.197104	0.475361	0.393299	0.043676	0.237972	0.0465878	0.20018	0.13457	0.0821131	0.0740419	0.0799707	0.109872
ECSCR	7.11377	2.0655	2.33859	7.2029	2.46095	10.0249	2.90841	2.62272	0.718828	7.25199	18.6561	1.42256	7.43583	5.76366	6.24575
ECSIT	4.60571	3.84972	4.31538	5.96566	8.26097	7.0742	4.25632	2.61194	3.23848	2.84241	5.47217	2.79481	4.41633	4.12273	3.56299
ECT2	0.807097	0.775484	0.718153	3.22057	0.298847	2.14161	0.675065	0.629707	1.10868	3.38056	3.26306	1.98432	6.41527	3.60512	2.23732
ECT2L	0.382018	0.333301	0.418529	0.16492	0.120285	0.0791229	0.31829	0.59184	0.0188617	0.110149	0.0641048	0.155141	0.026646	0.145697	0.118622
EDA	0.901301	0.778466	0.931163	0.449427	0.806469	1.15647	1.30887	0.549995	0.151753	0.317994	0.248503	0.145624	0.458244	0.199712	0.495085
EDA2R	0.389012	0.178214	0.121341	0.230018	0.178309	0.71678	0.211159	0.300381	0	0.488251	1.32464	0.0593202	0.0534894	0.319971	0.302232
EDAR	1.85079	0.76737	0.654239	0.311278	1.17726	0.374105	0.583159	0.600336	0.214034	0.386005	0.21699	0.176833	0.30473	0.129165	0.0157743
EDARADD	0.836126	1.21597	0.964575	1.82607	2.02564	1.68517	0.937144	0.74308	0.476456	0.645059	1.09975	0.691578	1.06408	0.625427	0.473703
EDC3	3.33777	4.09976	4.06675	5.25894	5.07893	5.65512	4.40078	3.03697	4.29319	3.19182	3.40908	3.61084	4.981	4.11493	3.65217

EDC4	3.67518	4.91594	5.98125	5.33406	7.52459	8.1552	5.27271	4.32642	3.24565	3.58634	3.11162	3.62099	5.86284	4.66375	4.40066
EDDM13	0.602236	1.58901	1.23367	1.24124	2.71735	0.561633	1.21151	0.892028	1.15257	1.07981	0.938839	1.33379	0.555085	1.18408	0.411851
EDDM3A	0.0263288	0	0	0.0542653	0	0.0224187	0	0	0	0	0.029722	0	0	0	0
EDDM3B	0	0	0	0	0	0	0.0294911	0	0	0	0	0	0	0	0
EDEM1	5.85253	6.80675	7.81629	13.8687	5.91849	11.536	6.98284	5.90655	11.9284	10.1591	12.9418	7.23955	12.8399	8.3114	7.5353
EDEM2	2.12974	2.1961	2.07498	5.00432	4.16839	5.11503	1.8668	1.7456	2.13886	3.78209	5.85767	2.62856	4.81859	3.08291	2.96153
EDEM3	2.73266	3.04272	3.15519	5.04475	2.168	4.2477	2.00378	2.81234	5.03211	5.35928	6.18129	3.72021	4.31078	4.49762	4.68356
EDF1	29.8529	29.4985	29.9116	58.7762	41.1273	62.5754	29.4738	23.0744	62.695	57.4772	89.2067	39.5557	56.0183	33.1595	21.421
EDIL3	1.46832	1.21111	1.11012	0.661375	1.39719	2.11136	3.36962	1.2185	2.42184	5.80328	12.2286	1.38807	1.32065	2.08876	15.0262
EDN1	5.75268	3.00008	3.74706	1.99882	3.09848	2.05506	2.94438	3.27123	1.58376	4.28789	5.57345	1.31687	4.57908	2.93174	3.56104
EDN2	0.332462	0.863221	0.763989	0.247442	2.41	0.26736	0.274152	0.443197	0.427396	0.556365	0.959121	0.502203	0.0476673	0.656424	0.29178
EDN3	0.155729	0.0750326	0.17893	0.0980731	0.107511	0.0736673	0.187684	0.161465	0.0105367	0.0108587	0	0	0.00558197	0	0
EDNRA	2.22359	1.33491	1.14417	2.91017	1.57502	5.83914	1.47759	1.51767	1.3432	4.56019	10.2112	1.51784	4.24939	4.26965	8.52632
EDNRB	2.78816	1.23308	1.56801	2.06177	1.23742	7.69141	1.3591	2.7993	0.88655	2.03989	3.57645	0.57	2.16224	2.0291	4.04359
EDNRB-AS1	0.12376	0.0458687	0.0236268	0.049053	0.0295756	0.10538	0.0434784	0.076145	0	0.0477942	0.0967218	0.00681179	0.0368534	0.0398044	0.136719
EDRF1	2.98899	2.1617	2.11547	2.05627	1.13296	2.29216	1.7198	2.42224	1.2214	1.70439	1.55434	1.41457	1.57275	2.06136	2.01223
EDRF1-AS1	0.336443	0.300287	0.209241	0.435459	0	0.0353788	0.194315	0.332331	1.39E-32	0.0521488	0.0964779	0.297298	0	0.109634	0.358022
EEA1	4.89292	4.66899	4.72479	4.40754	1.52277	5.23245	1.63767	3.41551	9.03715	8.1192	6.50937	5.06116	9.12176	5.54676	4.50599
EED	2.16624	2.12708	1.8223	3.17429	1.03645	2.28814	1.17927	1.71397	1.14657	2.17967	2.39382	1.40612	2.44734	2.336	1.35203
EEF1A1	1278.24	975.925	1043.19	1661.38	984.405	1447.43	917.978	960.763	1383.88	1256.97	1899.02	854.704	1226.93	879.674	679.897
EEF1A2	0.726463	1.05562	1.71709	2.64995	0.94933	3.50525	2.30403	0.799339	9.05816	5.5865	11.312	4.21619	2.19476	6.49677	0.977053
EEF1AKMT1	1.36582	1.24303	1.31822	2.52832	1.13937	2.60593	0.750846	1.01152	0.924119	1.14283	2.59829	0.579129	1.17496	1.62596	0.835449
EEF1AKMT2	3.03516	2.57134	2.73583	2.14385	0.736663	2.30442	1.66774	2.87723	1.38618	1.46028	2.09148	1.24875	1.36262	1.63918	1.51652
EEF1AKMT3	2.11873	1.48807	1.86737	1.62917	1.62024	3.26815	1.84224	1.68017	0.694717	1.18642	2.1986	0.571418	1.33545	1.2777	1.5916
EEF1AKMT4	1.23688	1.15777	1.08298	2.47894	2.94129	3.48338	1.7616	0.664441	2.79009	2.02448	3.85287	2.29156	2.76012	2.28472	1.24217
EEF1AKMT4-ECE2	0.00696717	0.00694654	0	0.00745876	1.18E-43	0	1.02E-43	0.00231263	0	0	0	0	0	0	0

EEF1B2	134.851	107.288	96.7783	211.714	72.9668	152.794	87.0543	87.8997	285.303	189.574	349.238	146.56	150.654	124.725	57.6393
EEF1D	31.8607	25.3637	26.6513	51.0393	58.2528	54.6658	23.3816	18.0486	34.0117	39.7754	62.1776	27.8218	42.6245	32.1582	21.9348
EEF1DP3	1.28796	0.775699	1.63154	0.663641	0.0625203	0.685426	1.79224	1.21617	0.833314	0.656713	0.272615	0.345589	0.207746	0.315537	0.173407
EEF1E1	1.78154	0.991228	1.21776	3.49563	2.97E-08	1.98316	1.27955	1.09633	1.73895	2.86074	5.49552	1.07317	3.11138	2.89123	2.11494
EEF1E1-BLOC1S5	0.448015	0.631689	0.639289	0.808047	0.286356	1.56928	0.785338	0.619856	0.781465	1.14768	2.6618	0.755618	1.13403	1.17705	0.713552
EEF1G	396.201	405.223	433.514	544.012	511.212	520.902	451.905	351.95	628.349	375.4	659.12	386.607	436.255	331.205	186.668
EEF2	341.437	307.848	324.444	505.765	478.586	601.651	322.736	230.432	501.406	346.438	277.727	313.639	524.612	302.5	231.17
EEF2K	15.3184	24.6573	26.9877	7.05963	12.589	11.0042	27.8963	19.6186	4.80281	3.53093	3.91602	6.99141	4.42595	3.7713	4.77111
EEF2KMT	1.15513	1.28089	1.28696	2.87082	2.11109	2.82047	1.43264	1.09805	1.53728	1.04701	2.89567	1.83176	3.01331	1.55023	1.79174
EEFSEC	3.70082	2.96524	3.28309	4.4224	5.46493	7.07848	3.97936	2.61983	2.66345	2.82153	4.61035	2.77378	4.77495	2.99906	2.7002
EEPD1	1.6492	1.96511	1.87493	1.35862	3.93469	2.32083	2.04085	1.29892	3.63821	1.01636	1.96207	2.15517	0.876091	0.696779	1.38278
EFCAB1	0.111051	0.26111	0.121267	0.0549319	0.1035	0.215594	0.116651	0.098693	0.0486892	0.0390266	0.115334	0.0508544	0.126103	0.13001	0.076552
EFCAB10	0.285783	0.169789	0.316714	0.0755606	0.0368299	0.127941	0.154477	0.203606	0.0455068	0.0821274	0.075546	0.128317	0.0567942	0.244714	0.158388
EFCAB11	0.585834	0.434117	0.412092	0.52358	0.378497	0.609192	0.414355	0.442314	0.359897	0.396922	0.690596	0.28589	0.347873	0.276567	0.448743
EFCAB12	0.096698	0.0672975	0.0533303	0.0221445	0.0166895	0.0274457	0.061337	0.0286457	0	0.0539404	0.0121289	0.0230633	0.00693212	0.0449232	0.185161
EFCAB13	0.950545	0.797323	0.90044	0.456791	0.0918046	0.465496	0.466736	0.906043	0.149955	0.333801	0.489264	0.193822	0.14935	0.463333	0.813403
EFCAB14	13.9292	12.0459	12.4494	16.8233	12.0932	20.7345	12.9669	12.5859	21.0647	12.5314	19.1537	10.5754	17.3708	10.747	11.8895
EFCAB14-AS1	0.476358	0.229516	0.328397	0.122725	0.0616624	0.135204	0.181297	0.246953	0.145038	0.14947	0.0896248	0.0568078	0.179284	0.0829885	0.171028
EFCAB2	0.591172	0.413874	0.48059	0.445165	0.215957	0.790608	0.548359	0.554383	0.143834	0.273596	0.465228	0.163428	0.0640711	0.264696	0.527674
EFCAB3	0.224306	0.254291	0.174646	0.326334	0	0.0674094	0.0903899	0.117261	0.385664	0.0828019	0.193633	0.0472049	0.0681039	0.131024	0.303182
EFCAB5	0.0693671	0.0527718	0.0513448	0.0112871	0.00567111	0.0435217	0.0166739	0.0389354	0	0	0	0	0.025911	0.00572436	0.0471884
EFCAB6	0.385013	0.404944	0.29132	0.169352	0.175042	0.263866	0.337738	0.396414	0.10293	0.0883959	0.095407	0.0403152	0.0575581	0.0883426	0.114631
EFCAB6-AS1	0.0115889	0.0558371	0.0191743	0.0119427	0.0180016	0.0197356	0	0.0308978	0	0	0.0130824	0	0	0.0121137	0.0499294
EFCAB7	1.27181	1.23484	1.03619	0.963118	0.239461	0.968072	0.605045	1.19022	0.293356	0.773939	1.4901	0.39296	0.435148	0.609311	0.691847
EFCAB8	0.0467418	0.0619326	0.0193341	0.0120422	0.0544547	0.02985	0.0933945	0.0623104	0	0.00733323	0.0263829	0.0292644	0.0113091	0.0213757	0.0167818
EFCAB9	0.0328737	0.0475171	0.0271954	0	0	0.0839745	0	0	0.0400364	0.0412598	0	0.047044	0	0	0

EFCC1	0.526891	0.407832	0.490912	0.29247	1.21105	0.629772	0.284762	0.305725	0.136867	0.291441	0.203879	0.270467	0.277439	0.575337	0.419932
EFEMP1	11.1227	4.48691	5.74241	15.8331	4.25255	23.4255	12.6825	6.86032	3.43438	9.022	9.93015	5.85522	15.7766	6.84139	14.0937
EFEMP2	5.48363	3.24598	4.5457	4.33629	8.69177	15.8562	5.80101	3.63017	0.94043	5.28128	16.6127	2.16202	4.28168	4.5797	13.6932
EFHB	0.0219991	0.116594	0.121328	0.0680121	0.0113907	0.0686838	0.0334905	0.013034	0.00893081	0.0552223	0.0413904	0.00524698	0.0567748	0.00766513	0.168499
EFHC1	1.50798	1.90682	1.66696	0.824505	0.736474	1.09337	1.30823	1.48061	0.505248	0.727309	1.12248	0.647867	0.3845	0.973972	1.3618
EFHC2	0.298896	0.809213	1.09504	0.469365	0.143708	0.266625	0.650037	0.512293	0.130008	0.169708	0.144607	0.183315	0.339776	0.204568	0.398591
EFHD1	3.94894	0.816153	1.14733	0.403675	1.57874	3.84023	3.05822	2.29574	0.554429	0.597946	1.08757	0.242408	0.53962	0.636318	2.67593
EFHD2	6.01777	5.75742	6.22884	19.7284	12.528	26.1986	5.84408	5.3906	3.83343	10.795	15.0878	4.38118	19.4934	10.8705	10.03
EFL1	2.56265	2.61664	2.33996	5.90447	2.48683	4.59537	2.12503	2.06128	10.4378	6.86483	6.35416	5.71077	8.90854	4.79561	2.82724
EFL1P1	4.78E-42	4.20E-45	2.80E-45	0.024215	6.51E-39	1.39E-40	2.38E-43	1.16E-40	3.09E-40	0.0284584	2.11E-33	0.016677	0.01566	0	0
EFNA1	10.4041	12.5747	11.6633	17.8643	16.1151	19.5424	9.70226	9.12797	12.725	14.8573	15.999	16.3373	10.5362	7.9632	4.22352
EFNA2	0	0.0104115	0	0.044537	0.0839149	0.0183996	0	0	0.0131586	0.0542426	0.134165	0.0231925	0	0	0
EFNA3	18.8703	22.7707	23.5291	13.5576	29.2717	21.796	25.3563	15.5354	50.6139	19.169	22.7829	23.817	14.6134	7.26277	1.75321
EFNA4	5.68353	7.04242	5.91113	5.07904	11.2545	7.90217	6.2572	4.54173	8.3592	4.11023	5.77523	5.04124	3.33798	2.51023	1.40137
EFNA5	5.41812	4.79469	4.55761	4.25582	4.72359	5.54797	6.31501	4.73421	6.82055	4.49179	3.20755	5.8416	4.99312	3.53912	2.23029
EFNB1	10.7514	11.1741	11.8496	17.59	23.0917	23.3336	11.1806	7.02881	20.1616	19.5129	12.4822	14.2421	34.2893	20.8531	11.0987
EFNB2	6.86853	6.75852	7.44089	5.39293	6.2196	8.31003	5.22216	4.43045	4.57446	7.42891	4.94285	5.83941	17.0829	8.4396	8.18976
EFNB3	0.654246	1.62809	1.79025	0.903899	1.13912	1.55493	0.993259	0.964806	0.280193	0.767004	1.39596	0.200627	0.51025	0.559876	1.15641
EFR3A	5.00011	4.88789	5.24153	7.70827	3.1151	6.68705	5.10575	5.3976	7.91307	7.03159	7.47908	4.94758	7.48336	5.74544	6.48488
EFR3B	0.434952	0.244494	0.242381	0.859108	1.26212	1.39398	0.489717	0.238909	2.60079	3.66972	0.917227	2.11586	3.22724	0.809844	1.24929
EFS	8.48572	16.4717	16.5008	10.5106	23.7818	13.5792	14.2876	10.2443	13.8219	8.74197	9.24438	9.77101	12.9266	8.33893	5.67787
EFTUD2	6.86436	6.19609	6.44729	13.4278	8.77223	16.4692	8.04525	5.66208	6.18258	7.10615	7.91599	6.47688	14.4374	9.01742	6.67823
EGF	0.133986	0.101725	0.134355	0.0502097	0.0819893	0.0933442	0.115895	0.133509	0.0395588	0.0509595	0.0275007	0.0319569	0.0183373	0.0509287	0.0699712
EGFEM1P	0.0783081	0.046437	0.0249161	0.0434532	0.683053	0.0102582	0.0481437	0.058887	0.0366809	0.0756036	0.1088	0.202576	0.0233188	0.113337	0.207619
EGFL6	0.0666124	0.114625	0.0236171	0.31381	1.40426	1.57194	0.0325954	0.211427	0.614243	1.56462	3.54502	0.40854	0.804302	0.363066	4.04521
EGFL7	6.7925	2.69978	3.07045	6.94413	16.0086	16.1392	4.48456	2.65801	1.33852	3.99126	10.0984	2.72661	4.90556	8.92216	13.869

EGFL8	0.228521	0.292935	0.316701	0.0488863	0.293547	0.339995	0.235907	0.0946581	0.254638	0.223256	0.241916	0.24945	0.100874	0.212732	0.422692
EGFLAM	0.843956	0.463846	0.421013	0.808535	1.52176	2.21364	0.832862	0.625659	1.21378	1.22426	1.96768	1.28968	1.31341	1.46069	3.76398
EGFLAM-AS2	0.0731989	0.0529025	0.0302776	0	0.151604	0.0623279	0.0278587	0.108422	0.029716	0.030624	0	0.0872929	0	0.0382569	0.245287
EGFLAM-AS4	0.0588133	0.0779272	0.109473	0.0151522	0.114197	0	0.117515	0.104537	0	0	0	0.178851	0	0.253592	0.274506
EGFR	24.1926	28.4477	31.7054	21.9489	17.511	26.5564	29.6126	23.7446	14.2498	15.6892	9.80601	18.3924	29.7937	13.7949	9.80609
EGFR-AS1	2.55143	3.49126	3.64497	1.16603	2.00872	0.820978	3.93286	2.77144	0.423156	0.934616	0.143276	2.01173	0.165559	1.63668	0.685142
EGLN1	7.93392	7.56524	9.20185	7.72247	5.75936	9.65447	4.41207	7.88855	6.34246	6.10243	8.66559	3.84062	7.53427	4.42953	3.84955
EGLN2	5.12122	4.38019	5.02547	8.2547	14.5076	13.7804	4.87344	3.51453	5.07736	9.36162	9.60828	4.30614	12.1794	8.86371	8.2789
EGLN3	7.35437	18.1632	27.1284	12.1702	6.66949	25.4111	14.2799	22.1694	40.6516	18.1838	33.5359	11.1269	13.7302	15.1398	2.07575
EGOT	0.300765	0.251691	0.510723	0.130504	0.172123	0.10783	0.596437	0.22509	0	0.139075	0.125088	0.283165	0	0.322659	0.727471
EGR1	16.0068	16.0433	18.938	15.4612	12.3002	33.3042	28.0755	19.4002	37.5149	18.3951	36.181	50.349	45.5524	22.9993	19.3843
EGR2	0.41719	0.645343	1.05355	0.256447	0.318335	0.79148	0.768819	0.878123	1.09641	0.569547	1.37982	0.63368	0.538338	0.263945	0.473003
EGR3	2.74901	7.8259	9.94277	2.75349	5.69087	2.10885	13.8689	6.45711	19.994	2.05082	4.34463	6.65459	1.28299	1.54417	1.15117
EGR4	0	0.0140969	0.0322723	0.100504	0.0454477	0.0249128	0	0.0173347	0.0593882	0.0244812	0	0.181435	0.0566313	0.188595	0.014006
EHBP1	5.61576	4.87467	4.91044	5.70436	1.82255	7.2652	2.47381	3.81717	2.11191	4.8954	3.45851	2.5579	5.83205	5.37227	3.43314
EHBP1L1	7.01214	9.19595	7.15242	14.5998	32.8289	17.3726	6.44673	5.00604	9.45869	14.403	4.92282	19.6642	30.4907	18.7769	13.8971
EHD1	5.01756	5.7948	6.42077	9.20316	12.2569	10.2107	8.84824	4.25557	15.0407	9.69693	8.03197	6.61288	23.8027	7.85808	10.2518
EHD2	14.2384	11.0698	12.3987	23.5501	33.2209	41.166	24.1089	10.0313	9.42143	21.542	33.7723	15.1087	37.6128	25.099	39.0694
EHD3	1.09613	1.40168	0.921497	1.75239	3.31329	2.13406	1.16358	1.31115	1.41433	2.20864	2.99649	0.771588	1.97255	1.53285	3.72696
EHD4	7.73568	4.93359	5.39358	18.3674	8.97176	19.3586	8.26606	4.49317	16.5139	14.9602	15.0812	7.27518	25.1925	11.6817	10.6499
EHD4-AS1	0.433686	0.379921	0.521855	0.203148	0.336832	0.25178	0.540184	0.47302	0.144049	0.494837	0.0222535	0.43726	0.089031	0.875744	1.52876
EHF	18.866	14.1214	15.6186	36.6104	5.5336	13.6288	6.82744	26.6358	21.068	22.6906	19.315	18.9021	44.6738	16.3671	3.89594
EHHADH	0.972789	1.08054	0.881863	1.96896	0.705772	1.75088	0.811408	0.900771	0.659769	1.29406	1.37434	0.808591	1.59728	0.858532	0.711072
EHHADH-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EHMT1	3.58772	4.14039	3.92859	4.99723	6.21404	5.82078	3.92044	3.10494	3.20592	2.58105	2.16863	3.637	4.19516	3.61715	3.47953
EHMT2	0.521374	0.628004	0.59891	0.831147	1.36088	1.3657	0.626711	0.398131	0.233693	0.32623	0.352103	0.421741	0.524805	0.49065	0.58188

EIF24	18.2285	14.8952	14.6735	29.9643	14.603	30.013	17.7062	14.0082	27.1772	26.1911	35.4133	19.7567	30.4387	19.1257	11.7628
EIFD1	14.5986	8.83095	10.438	11.0066	10.8999	22.9951	8.63108	12.8757	5.52659	13.7108	34.6093	3.7142	10.6615	9.8338	17.1983
EIFD2	2.56037	1.80237	2.09061	3.06686	3.56392	4.02048	1.57557	1.47756	4.7381	4.21514	4.6358	2.11752	6.3932	2.40695	2.17278
EIFD2B	0.468062	0.141994	0.415896	0.232243	0.29621	0.885663	0.296899	0.415974	0.0211128	0.21758	0.469674	0.0868287	0.268436	0.181207	0.746884
EIFD3	1.2255	0.946256	1.0918	1.57054	1.87922	1.21741	0.950761	1.39631	0.880203	1.08458	1.06418	1.43898	0.598082	1.26457	1.4892
EIF1	125.681	99.1031	105.633	195.077	78.5134	194.667	132.439	97.5488	252.268	181.269	276.979	160.687	282.87	141.215	96.9519
EIF1AD	4.58114	4.40689	4.84367	4.98192	4.24016	6.18464	6.01654	4.23307	7.38125	4.72695	5.84142	4.89708	8.45875	4.97057	3.80655
EIF1AX	7.1346	6.23089	6.81826	10.6841	2.96128	8.3387	7.67494	9.63628	10.502	9.7413	10.6012	6.88763	14.6218	7.88628	4.50802
EIF1AX-AS1	0.551025	0.324491	0.405197	0.315471	0.285311	0	0.908761	0.272058	0.447391	0.307375	0.0691154	0.70093	0.118506	0.639977	0.615488
EIF1AY	2.81871	2.6606	2.26365	4.68838	1.5875	4.11244	0.150564	2.78336	8.89334	5.56526	9.35986	3.32606	5.58347	3.29958	2.46195
EIF1B	7.38657	6.12626	6.77284	7.94201	1.49196	11.294	4.83047	5.9955	6.79575	7.49135	12.8563	5.43255	7.70196	6.68125	5.02486
EIF1B-AS1	0.4164	0.179509	0.290084	0.124217	0.0851069	0.214601	0.300273	0.311631	0.0133455	0.0412598	0.197921	0.0705659	0.0494898	0.0687248	0.0157369
EIF2A	10.4516	7.31152	7.39318	10.2503	1.92907	8.02466	5.03565	7.66389	8.45293	8.66026	10.842	5.2776	10.5362	7.34586	6.37558
EIF2AK1	8.50163	8.67027	8.77046	11.5146	4.99622	13.6662	8.34363	8.04043	11.1085	7.84159	9.41869	7.37615	10.7988	7.1051	7.00573
EIF2AK2	4.77244	3.03338	3.20341	10.1052	1.24105	10.3995	2.42651	4.02358	0.849785	2.98157	3.45137	1.32628	4.6359	3.19577	6.27247
EIF2AK3	2.70096	2.28455	2.94045	2.11738	1.40258	3.37198	1.65643	2.49346	1.91286	2.44612	2.43255	1.46647	2.06382	2.18837	3.45222
EIF2AK4	4.35344	3.48383	3.31432	5.65857	4.9305	8.3325	3.74825	3.35237	2.79615	5.57423	6.35437	2.84868	5.8119	4.98991	6.52235
EIF2B1	10.2349	8.15729	7.95514	12.9578	7.57431	17.4509	8.08263	7.85309	11.5456	9.72372	14.3481	8.41257	15.6025	8.8744	8.26465
EIF2B2	3.84466	3.90744	3.95087	10.3384	6.27535	10.3965	4.20109	3.00306	13.5532	12.3275	12.6983	7.85527	24.011	9.05794	4.85281
EIF2B3	3.18004	2.7313	2.98269	5.10751	2.24682	5.25253	3.52158	2.26848	2.35744	3.85779	5.49886	2.83854	4.17897	3.46858	2.73406
EIF2B4	3.5373	4.97857	5.28025	6.38211	7.69596	8.68433	5.09623	3.09407	11.2797	6.9326	7.72181	5.7567	8.20741	5.74453	3.2371
EIF2B5	5.74983	6.26023	6.08456	7.43962	6.93429	9.9006	5.98141	4.45703	6.5747	4.90129	4.96729	4.23986	7.064	5.3299	4.26636
EIF2D	6.93078	6.84985	7.23091	10.8842	8.60587	9.3314	8.27879	5.39446	6.89519	6.20552	10.5898	4.69856	6.60076	6.41401	5.73751
EIF2S1	6.54562	6.28079	6.44008	13.9318	3.63376	12.6658	5.60836	6.84435	12.5262	11.7861	13.1789	8.26184	18.3914	10.8207	7.21384
EIF2S2	10.3972	9.85254	9.78704	21.9809	7.61911	20.8311	6.60601	7.27545	21.9384	25.3289	32.6078	14.4153	42.7357	20.9102	13.2572
EIF2S3	22.3349	20.1774	21.0518	38.3108	9.00544	26.178	16.5179	19.6357	23.3619	28.0745	27.709	21.4437	45.989	28.1986	19.2512

EIF2S3B	0	0.00424141	0	0	0	0	0	0	0	0	0	0.00629877	0	0	0
EIF3A	20.1899	22.2632	21.1729	31.738	23.0643	34.591	11.1921	15.3951	27.1586	19.7376	16.039	19.5936	42.7856	23.8026	16.1832
EIF3B	21.4677	20.0271	20.6035	41.3336	36.4113	46.0998	24.0728	15.2567	37.5837	27.3082	19.6252	24.6917	53.1793	27.5163	15.3423
EIF3C	11.9845	7.78864	7.08397	19.3398	14.5777	17.2819	8.34732	8.94102	14.0597	6.79381	5.39778	6.95928	12.8515	8.15411	5.21336
EIF3CL	16.8929	11.5332	10.1804	29.5209	18.946	28.1443	12.6684	13.9332	20.2221	8.95361	7.59889	10.3185	18.2954	11.8854	7.10972
EIF3D	29.358	26.5382	25.6286	54.6613	38.7022	58.7642	30.8651	22.1732	57.7418	35.1714	45.3772	29.3553	52.0095	30.1981	20.2291
EIF3E	59.2542	45.9928	48.1305	89.3094	9.7263	40.4574	30.1212	46.0453	71.6229	73.2529	104.762	41.3328	61.1926	49.024	30.1067
EIF3F	49.5633	44.9132	46.7292	67.8489	41.383	92.7922	65.0194	43.1151	93.4812	47.0019	95.1496	46.6221	49.4044	40.7901	33.4479
EIF3G	29.6441	28.0702	28.0239	47.9568	41.8171	58.1017	36.9399	21.3621	39.5688	29.2771	49.6973	26.2753	42.7453	30.3932	20.0443
EIF3H	43.0915	32.8661	34.1467	61.56	17.3684	56.3051	27.0457	33.9567	59.1567	46.4751	59.3615	35.5217	48.9997	39.1043	25.4942
EIF3I	18.7882	14.5495	14.8642	41.9426	18.3628	37.0738	19.5295	10.9114	32.1763	37.4823	48.7361	23.2657	53.3589	31.5144	18.562
EIF3IP1	0	0	0	0	0	0	0.026772	0	0	0	0	0	0	0	0
EIF3J	7.45852	7.73546	7.76541	14.6006	3.54151	9.84957	3.40887	8.28444	18.4358	10.7707	11.147	8.9788	15.1423	9.84542	5.81483
EIF3J-DT	1.60039	1.62651	1.65494	0.889044	1.94215	1.43723	1.17059	1.00005	1.14204	0.533547	0.94566	0.626236	0.363009	0.790688	0.736191
EIF3K	55.3301	33.8139	36.405	68.5841	44.564	78.5142	48.3806	34.7784	50.3432	47.5882	96.718	39.6648	50.2299	41.5834	31.2265
EIF3L	71.9064	56.7535	62.1498	71.398	26.2696	78.4782	57.7404	49.811	73.7487	52.7607	85.9394	44.5385	54.7984	43.288	30.947
EIF3M	19.1306	15.1961	15.7229	32.8782	10.3035	25.0523	12.7165	15.1714	22.0532	23.1999	36.1475	16.1586	30.346	22.5377	13.0487
EIF4A1	69.2561	57.1056	57.4291	222.994	74.6616	179.351	65.5225	51.4487	198.923	173.83	216.303	126.835	254.201	146.957	71.0775
EIF4A2	30.4166	37.0863	37.8859	44.229	25.1644	20.0188	16.9729	25.7803	21.3853	24.3594	30.3278	23.7177	21.3785	27.9414	22.4565
EIF4A3	10.5839	12.9898	12.6091	32.941	14.8441	36.5595	11.6576	10.8413	29.6811	25.8809	27.9939	23.4736	38.9742	21.1986	11.8071
EIF4B	65.2887	58.7186	63.1792	89.8671	51.6749	88.286	50.5797	55.9327	70.1617	54.7153	52.2546	51.652	68.8065	54.6	39.0678
EIF4E	1.53636	1.26017	1.40553	2.78007	0.481462	2.17002	0.983036	1.55923	3.73755	3.20102	3.19441	2.40121	3.85648	2.52094	1.67885
EIF4E1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00612744	0
EIF4E2	4.96843	4.67374	4.58177	8.58343	4.56882	9.33559	5.19394	3.96634	7.06607	8.06484	9.63932	5.3403	10.897	6.39062	5.49048
EIF4E3	2.04751	1.73051	2.36341	1.74041	0.848717	2.44826	1.69224	1.98906	1.477	2.28236	1.78958	1.2967	2.5781	0.875268	1.59021
EIF4EBP1	4.01434	3.79045	2.13967	29.6523	10.5881	26.9094	5.10638	2.39437	11.7796	38.2445	56.2963	23.7115	57.3457	27.6551	13.7743

EIF4EBP2	16.9109	14.106	15.1237	17.1992	9.80952	18.9864	16.9716	16.9189	24.2484	14.3402	17.7547	13.3404	22.704	11.4531	12.0835
EIF4EBP3	1.71532	1.8285	2.92307	2.3813	2.11372	4.06019	2.84546	2.11336	0.567684	0.512927	3.38897	0.8843	0.638534	0.54714	0.937249
EIF4ENIF1	4.53306	4.88328	4.84198	4.00058	4.86123	6.04655	4.84837	3.39167	5.51348	2.8035	2.52829	3.23924	4.14236	3.47726	3.51661
EIF4G1	24.4436	36.6432	36.513	63.3441	59.3929	68.9073	45.3344	26.6326	76.2554	46.5782	26.0088	54.1799	94.0234	40.3402	36.9868
EIF4G2	66.8008	67.0295	65.2971	128.832	53.6311	124.81	66.3026	65.2934	155.781	136.503	154.282	100.92	202.993	106.288	79.529
EIF4G3	4.721	5.10333	5.20831	7.74944	4.90288	9.55869	5.09	4.33951	7.13775	8.68488	5.72158	7.69705	10.5218	8.08781	8.36839
EIF4H	57.0042	54.4611	53.6556	96.3443	78.5802	111.645	65.1127	42.9045	257.786	98.0166	119.702	75.2607	129.909	69.9882	38.7442
EIF5	17.3212	11.382	10.8478	24.3009	8.24609	20.0966	9.82956	12.1586	27.5472	19.7526	23.7465	12.9809	38.396	16.5344	11.8708
EIF5A	62.9362	47.5706	43.7782	166.143	94.9557	166.39	64.7521	39.4281	128.607	135.48	178.324	100.561	185.672	100.14	50.5491
EIF5A2	0.509925	0.265828	0.30774	0.409195	0.0779104	0.612142	0.391325	0.442035	0.208707	0.456399	1.14185	0.242246	0.698452	0.316752	0.798345
EIF5AL1	0.0120828	0.00290991	0	0.0373547	0.0187511	0.0256998	0.0275788	0.0268242	0.0147338	0.0151632	0.0545505	0.0302722	0.031172	0.0284115	0
EIF5B	8.4582	7.29612	6.36963	11.0313	3.47401	15.6331	3.19473	5.0828	12.341	7.846	5.82238	8.13169	16.95	9.53125	6.11951
EIF6	23.1273	24.5328	22.5993	56.6447	45.983	50.5867	31.7482	18.1735	87.6834	65.1926	98.7954	47.8294	74.4349	41.4074	16.8332
EIPR1	2.59719	2.29123	2.11832	5.25243	3.16307	5.0563	2.56165	2.02642	2.80668	4.08615	7.21278	2.66104	4.72811	3.14817	1.89122
ELAC1	1.3577	1.14353	1.08889	1.28166	0.482971	2.27682	0.62717	0.994762	0.65636	0.949585	2.14106	0.474611	0.595131	0.931678	1.44376
ELAC2	5.38426	4.98317	4.88202	8.92159	7.25785	11.5522	5.84884	3.73072	5.4978	6.0018	5.43252	6.15105	11.3677	7.02721	5.27728
ELANE	0.0690151	0.188431	0.247408	0.118537	0.357347	1.41037	1.94371	0.16356	0	0	0.207758	0.115225	0.0445282	0.0480937	0.0660762
ELAVL1	3.32743	3.55062	3.54278	6.31081	3.37654	6.46674	3.96491	3.34759	3.66162	3.53856	4.96809	2.97677	7.01729	4.21688	4.09282
ELAVL2	0.0860032	0.0611699	0.0440439	0.0844084	0.0190847	0.198769	0.0374079	0.0655136	0.00498772	0.0308408	0.073971	0.0703287	0.0845544	0.207622	0.0294075
ELAVL3	0.00988597	0.00952642	0.0122676	0.00509389	0.0383908	0.0252533	0.00564374	0.0175717	0.915041	0.0620395	0.18414	0.106105	0.0350811	0.031001	0.0354938
ELAVL4	0.0140218	0.0270238	0.0231997	0.0361248	0	0.0358182	0	0.0218075	0	0	0.0237434	0.0050165	0	0.00549632	0
ELDR	0	0	0	0	0	0	0	0	0	0	0.111173	0	0	0	0
ELF1	11.7541	11.7974	12.6223	15.1428	4.34583	14.3302	8.61483	11.7994	12.6415	11.8392	12.6401	9.04818	15.6712	9.9185	7.80463
ELF2	6.37502	5.12967	5.58618	5.11895	2.7563	4.93226	3.6517	4.88427	3.74408	4.86709	6.22852	3.1066	4.49237	4.34943	4.98815
ELF3	1.9672	0.793286	1.03187	8.25589	2.51323	3.10127	1.20442	1.60893	2.57812	3.23837	2.81613	3.65665	11.5286	3.11795	0.542509
ELF3-AS1	0.668391	0.469643	0.622058	0.573997	0.432601	0.355704	0.349776	0.396007	0.474848	0.279633	0.282949	0.27898	0.485148	0.50944	0.199978

ELF4	3.19625	3.12177	3.76907	5.93446	5.11636	7.74493	4.18132	2.77316	2.74466	4.48758	5.22883	2.37615	7.87483	4.80484	5.19707
ELF5	0.404442	0.376742	0.907091	0.0277859	0.33506	0.451516	0.697798	0.862642	0.0766211	0	0.0202917	0.0321543	0.00579875	0.0187892	0
ELFN1	0.160802	0.134094	0.0972116	0.535373	1.16244	1.10063	0.261274	0.23085	0.173241	0.915963	1.529	0.37615	1.13724	1.1378	2.33596
ELFN1-AS1	0	0.0442487	0	0	0.178319	0.0586488	0	0.0204044	0	0	0	0.0657122	0.0148133	0.0239991	0.0329726
ELFN2	0.0157973	0.102754	0.132865	0.00271326	0.00817956	0.0067256	0.129264	0.021059	0	0	0.0029722	0.0169551	0	0.0151367	0.0189058
ELK1	4.01315	3.09529	3.70051	6.09722	4.44745	9.10336	5.12542	3.51722	5.641	4.09125	8.64887	2.96232	5.94609	3.97935	4.56743
ELK2AP	1.19806	0.0281583	0.145042	0.0903393	2.40569	0.149288	0.333636	2.59692	0	0.550131	1.61636	0	4.26084	0.0305444	0.671441
ELK3	9.45991	4.62536	4.54573	14.1787	4.10035	15.3988	5.10519	6.3723	7.14482	15.6864	23.5048	7.51653	24.8552	13.2475	18.9005
ELK4	7.14776	6.92471	7.1835	6.63934	2.52163	7.79949	4.98502	7.60067	4.20392	4.41087	5.37864	3.69709	6.63958	4.96604	6.52551
ELL	2.72981	3.392	3.64179	4.86823	5.45442	7.13468	4.05513	3.01849	5.24237	4.01045	3.34112	3.93529	6.74841	4.03987	3.92035
ELL2	9.86814	11.2208	7.72979	22.7135	5.49405	18.9401	8.28645	11.0152	45.593	37.2191	41.4311	25.6335	46.9761	32.3055	11.066
ELL3	1.70728	5.21771	5.20899	3.7586	2.69489	2.65755	3.888	2.68654	2.33435	1.89705	1.79281	1.75472	1.61826	1.58924	0.956502
ELMO1	2.71887	1.66772	2.09569	1.80652	1.37219	3.60288	2.79429	1.92144	0.477225	1.3762	2.6114	0.676348	2.34191	2.05515	4.58093
ELMO1-AS1	0.0438315	0.0422374	0.145042	0.0903393	0	0	0.100091	0.0779076	0	0.110026	0	0.0627253	0	0.0916331	0
ELMO2	3.63638	4.23054	4.30145	4.75278	5.20079	6.27281	4.15823	2.99523	3.81433	3.91003	4.20515	3.26824	4.70669	3.5113	3.73362
ELMO3	3.14163	5.72626	4.92358	8.39293	12.7511	7.45251	5.3963	3.09497	6.22732	8.42962	5.43937	8.26655	7.37673	5.33996	1.82588
ELMOD1	2.1759	5.33462	6.50843	1.16693	2.44873	1.6637	6.00814	2.81514	27.546	1.52341	2.43127	2.88613	0.243531	0.208878	0.499555
ELMOD2	1.86866	1.71724	1.7934	2.5045	0.448447	2.34648	1.33648	2.35112	2.00093	2.99758	4.30785	1.61125	3.03445	1.76948	2.29164
ELMOD3	2.1532	2.77274	2.80008	2.43445	3.52513	2.41379	2.12241	1.43863	1.55644	1.44846	1.80991	1.87319	1.36925	2.23048	2.33589
ELMSAN1	11.6317	12.62	15.0993	10.7305	12.1121	14.1788	14.1578	10.7283	8.63299	5.83963	4.14806	10.302	14.1179	8.96958	7.93376
ELN	36.593	8.30651	10.6763	2.03965	28.3168	6.45041	17.8672	9.11894	1.23343	2.47687	3.03133	4.17817	8.12494	11.6147	43.6832
ELOA	6.35753	7.3811	7.01243	9.31979	7.7022	10.3482	6.18789	5.88776	16.7985	7.4869	6.17129	8.48986	11.0419	7.81848	5.72449
ELOA-AS1	0.173532	0.473246	0.256733	0.118973	0.396217	0.314227	0.230655	5.13E-08	0.103997	0.15892	0.0574386	0.164571	0.0233788	0.154794	0.172872
ELOA2	0.149724	0.140662	0.0694759	0.0552481	0.228598	0.0650464	0.0966519	0.110022	0	0.0476804	0	0.0278069	0	0.060447	0.135492
ELOA3	0.520857	0.690146	0.421706	0.0805661	1.39954	0.757282	0.592571	0.130821	4.15E-06	1.78E-05	0.102509	0.16411	1.32E-05	0.381609	0.177756

ELOA3B	0.179057	0.193002	0.0969426	0.124663	0.163272	0.203108	0.0516557	0.281466	0.00343138	0.0147303	0.00034974 6	0.031961	0.010907	0.0469385	0.342711
ELOA3C	0.119371	0.14142	0.0646289	0.125272	0.108891	0.135405	0.0344738	0.187644	0.00343138	0.0196403	0.00023316 9	0.0213073	0.010907	0.0343348	0.308517
ELOA3D	0.00012890 3	0.160362	0.00011909 2	0.0714661	0.0159485	0.00015009 3	0.280391	5.18E-06	4.15E-06	3.56E-05	0.00127079	5.57E-05	1.32E-05	0.169577	0.247597
ELOB	23.6105	14.8337	14.5236	35.2442	40.4156	55.3955	23.9685	13.8572	32.3137	30.7195	70.065	21.5607	26.3642	22.0653	15.7789
ELOC	3.3771	2.814	3.04029	6.60211	1.21888	6.30086	2.16609	2.50696	10.6331	7.11835	13.0068	4.71908	7.64536	5.53906	2.63894
ELOF1	5.75965	5.23158	4.63523	12.929	14.0823	15.7796	6.05962	4.03619	15.4492	10.4175	15.754	8.29221	16.1778	8.49413	6.07252
ELOVL1	15.2775	18.493	20.2712	46.3913	28.0187	38.607	33.3775	13.4852	142.958	91.256	126.657	60.7647	127.908	51.8229	24.4341
ELOVL2	0.187508	0.0739181	0.0423054	0.0585553	0	0.116117	0.149215	0.106045	0.00692012	0.0356579	0.0641434	0.00406567	0.0696547	0.0148485	0.236645
ELOVL2-AS1	0.0110574	0	0	0.0113949	0	0	0	0	0	0.0138781	0	0	0	0	0
ELOVL3	0.081547	0.110014	0.094446	0.403376	0.73469	0.444392	0.148972	0.13045	1.33082	0.34799	1.04944	0.186717	0.0736592	0.0852401	0.0702671
ELOVL4	7.72948	10.5749	10.0295	10.9739	12.0183	5.95688	12.6939	12.4145	69.3772	20.8549	26.5781	23.1724	24.9546	8.62896	2.55246
ELOVL5	3.84936	2.31201	2.68038	5.57298	1.40156	8.25162	2.65578	3.21271	2.24058	5.22841	9.47138	2.15482	6.66826	5.0802	8.32176
ELOVL6	2.43575	3.07367	2.9294	2.3484	1.1658	2.11467	2.69537	2.80742	8.12659	2.38918	2.94222	1.97718	2.42113	1.89707	0.44093
ELOVL7	5.67627	6.37702	7.54861	7.01157	2.08314	3.44434	8.71219	9.54925	38.9119	6.64345	9.10818	9.42342	6.33581	3.556	0.998348
ELP1	2.99827	3.5942	3.72839	3.95868	3.10687	3.52849	3.05206	2.42267	2.44974	3.09878	2.68471	2.64584	4.24701	3.56287	3.27422
ELP2	5.00402	4.98324	5.0942	5.08146	2.48543	5.83613	3.76795	3.91732	3.43831	3.60613	4.67199	2.63653	3.70253	4.04257	4.36374
ELP3	3.26135	2.995	2.68072	5.50101	2.17578	6.46785	2.70526	2.96036	1.89262	2.79886	3.63445	2.13912	4.17693	3.08855	2.69213
ELP4	1.77573	1.82011	1.86397	2.84849	0.85872	2.38213	1.57798	1.80143	1.8668	1.70308	2.70428	1.56425	1.97253	1.81236	1.1187
ELP5	2.60983	2.6271	2.38174	4.44329	4.58892	6.53411	2.63674	1.87757	3.30732	3.68186	6.13277	2.67758	3.82784	3.40116	2.92289
ELP6	1.61716	1.94466	1.52895	4.34139	4.3063	4.44341	1.87745	1.0628	2.10192	3.44537	6.3358	1.98364	3.61238	2.65634	2.20535
ELSPBP1	0	0	0	0	0	0.0558244	0	0	0	0	0	0	0	0	0
EMB	3.93249	5.16165	7.40301	2.60377	2.55387	2.32896	5.27331	9.45818	7.11673	2.07873	4.35426	1.54829	1.79763	1.62719	2.34718
EMBP1	0.0755346	0.0457623	0.0580903	0.0201071	0.0499861	0.0453568	0.100385	0.104411	5.61E-45	0.0249032	0.0422061	0.00436497	0.0290872	0.00948789	0.0918691

EMC1	4.36204	3.79472	4.18473	5.72345	4.66395	7.20562	4.30471	3.80189	3.10301	4.053	3.63796	3.52196	6.85224	4.45952	4.78592
EMC10	10.1322	9.38478	9.28194	17.1504	28.094	23.0382	10.3491	6.56736	14.634	14.438	23.9378	11.0983	17.5316	11.0007	10.2817
EMC2	3.01542	2.79803	2.81706	3.36151	0.739108	2.85071	1.13236	2.58815	4.08436	4.49698	5.96677	2.24786	2.8961	2.12129	1.86064
EMC3	4.62883	3.59111	3.59807	5.56673	3.03936	7.01812	3.63932	3.31469	5.99604	5.57414	7.97958	3.74056	6.38656	3.33239	2.66494
EMC3-AS1	0.855536	0.860129	0.958223	0.720755	0.582212	0.737328	0.947876	0.760193	0.207069	0.289169	0.295898	0.344496	0.336442	0.697226	0.459412
EMC4	17.5929	13.4192	12.5643	20.0657	14.3315	27.5353	13.5516	10.4151	26.3742	23.5825	35.6814	13.9186	27.4494	15.751	13.813
EMC6	4.04543	3.76115	3.83677	9.389	3.84244	9.14473	5.11105	2.77367	9.65267	9.72593	16.3856	4.83608	10.8091	7.28006	3.91511
EMC7	13.077	9.07515	9.56369	15.4014	6.75967	20.5481	8.40649	9.60994	18.2818	14.289	24.2152	9.67149	18.4201	11.9233	11.9941
EMC8	3.34826	2.58459	2.44806	5.71028	3.49785	6.29427	3.12296	2.29461	3.71884	3.49214	8.2782	2.48013	5.67457	4.55358	3.36936
EMC9	1.90976	2.3647	1.78375	3.74567	4.88041	3.09491	1.2661	1.51474	3.87646	2.4485	5.0304	2.11585	1.13943	1.76014	1.32709
EMCN	2.46508	1.45012	1.69782	1.76642	0.534295	2.59689	1.13236	1.62014	0.740073	2.82771	5.50731	0.541454	1.12812	2.07635	4.56103
EMD	11.2172	9.51013	11.4244	17.8471	9.47726	26.2109	13.5968	9.55419	18.7553	15.966	27.7255	13.208	19.6823	13.7216	10.7726
EME1	0.317686	0.162427	0.258189	0.359222	0.0931434	0.631208	0.210442	0.229363	0.0262217	0.226477	0.287393	0.119166	0.237018	0.283792	0.291064
EME2	0.852639	1.3596	1.32675	2.05023	7.00062	3.24976	1.57617	0.956214	1.08787	0.99371	0.779185	2.29508	1.87302	2.54644	1.48689
EMG1	3.69625	3.94707	3.79417	8.10013	3.53867	7.07825	3.78961	2.74861	4.79561	4.8664	9.40111	3.17372	7.72874	5.14102	3.53163
EMID1	1.12866	0.876425	0.888383	2.45046	5.66813	6.19547	1.23862	0.827769	0.160146	0.632651	1.15042	0.462599	0.756486	0.922057	1.24322
EMILIN1	3.48441	1.53988	2.4638	6.62354	14.5461	30.6716	4.13967	1.95633	0.530452	5.8212	9.70741	1.05708	7.81526	5.29412	20.3712
EMILIN2	3.14039	1.47137	1.99622	5.37791	2.89638	10.3765	4.76541	2.23684	0.442927	4.1154	6.86865	0.908726	4.12682	3.85888	6.3256
EMILIN3	0.727066	0.703325	0.648594	0.409586	1.17426	0.854727	0.704748	0.60038	0.551116	0.436999	0.362567	1.00936	0.0604347	0.678164	0.268013
EML1	2.5447	2.48915	2.14751	3.26613	3.37223	5.781	3.54269	2.28429	10.9498	14.4018	8.7393	10.39	15.6093	7.62937	9.62524
EML2	3.28138	5.23876	5.45649	8.09348	8.63965	6.78656	4.47502	2.91944	5.36356	4.18494	2.00537	4.37819	5.24866	4.17979	2.59169
EML2-AS1	0.0540161	0.0681243	0.0951082	0.307607	0.367169	0.189605	0.0493143	0.0954857	0.0592888	0.215762	0.43664	0.184507	0.166371	0.0956346	0.0308601
EML3	6.04506	5.96904	6.62283	8.87945	23.227	17.9824	8.6053	4.58953	8.3051	7.95265	7.38543	8.86927	9.79877	8.32006	9.03853
EML4	8.48976	9.01318	9.96344	8.53444	4.13731	10.294	6.96126	10.23	5.60068	5.92332	6.50205	4.27605	6.43611	6.08581	6.29348
EML5	0.351777	0.468045	0.413828	0.708404	0.340893	0.197857	0.239515	0.395807	0.448077	0.785818	0.575631	0.921382	0.674647	1.08288	0.264185
EML6	0.975592	1.31076	1.13869	0.82617	1.19037	0.612362	0.733626	0.97704	1.30662	1.50192	0.745306	2.06044	0.629447	1.33402	0.863502

EMP1	47.3013	43.1393	50.6156	85.2852	18.372	71.3534	55.628	33.5067	31.1711	92.8797	58.4752	39.9931	165.304	45.7552	62.4663
EMP2	17.9109	29.5135	27.4609	23.3465	22.8517	17.5295	28.4093	20.1456	25.3157	10.7554	16.3316	12.3235	14.3362	8.77886	7.23998
EMP3	10.4196	6.83673	9.52946	10.1172	7.31996	25.9478	20.4159	6.65425	1.27537	14.9835	49.03	2.54761	12.6515	10.0979	22.2201
EMSY	1.77843	1.94936	2.05586	1.83273	0.743955	2.35274	1.26957	1.54182	1.05645	1.41661	1.66735	1.27491	1.3095	1.58765	2.0875
EMX1	0.0528863	0.1376	0.113753	0.0218004	0.147871	0.0630448	0.217382	0.0658013	0.0515277	0.0796533	0.0477616	0.0605465	0.17061	0.105035	0.151903
EMX2	1.19871	1.22608	1.06438	0.947065	1.01896	1.70795	1.615	0.863154	1.26524	1.003	0.532255	0.504798	1.85316	0.217186	0.470542
EMX2OS	0.940603	1.76341	1.42329	1.24539	1.80284	1.44975	2.25325	0.911232	2.50861	1.64008	0.709003	1.19849	2.46703	0.401372	1.02594
EN1	7.11012	5.61298	3.27711	3.83268	10.644	6.13401	5.63807	2.88863	9.38252	3.6088	6.183	4.62346	2.36932	2.27864	0.819127
EN2	0.0204504	0.0164222	0.0620328	0.0913239	0.0317666	0.0406309	0.0155664	0.0181746	0.0166042	0.00855579	0	0.0292656	0.105556	0.00712552	0
ENAH	6.09584	5.2517	4.85177	13.1119	10.771	12.3884	4.56561	5.4674	13.9475	19.1681	12.4553	16.1491	24.3487	15.7451	12.6374
ENAM	0.00407879	0	0	0	0	0.0138921	0.00465703	0	0	0.0051193	0	0	0	0.00426351	0
ENC1	3.25922	1.62056	1.43449	2.18328	1.57137	2.6892	1.58814	1.94653	5.98654	5.36469	4.72696	3.97435	6.40957	3.14583	3.33637
ENDOD1	14.0939	11.9443	10.0399	19.6163	14.7075	14.7764	11.413	10.4832	39.5848	33.6023	27.7122	22.3286	41.2795	24.5494	9.47586
ENDOG	2.40557	2.16871	1.64853	2.83239	6.85302	3.91645	2.23698	0.997175	4.05164	4.02942	6.60242	2.47873	3.47318	3.25447	2.07318
ENDOU	4.90342	5.89509	4.92847	4.24811	6.9881	1.89928	6.01767	4.9516	10.2129	6.47327	9.83836	6.99684	2.4107	5.46979	1.48678
ENDOV	0.906061	1.32108	1.28846	0.915414	2.52049	2.06742	1.44696	0.884176	0.735654	0.735835	0.976034	0.652548	0.943744	0.832576	0.765423
ENG	13.5508	6.39232	6.87919	25.2774	21.1434	48.6682	13.7132	7.85844	5.33934	20.2125	47.9259	10.8559	42.9887	27.6092	43.538
ENGASE	2.42039	2.82365	2.70952	3.59283	8.55932	4.62613	3.39267	2.03205	0.78398	0.924279	0.802255	2.64568	1.04662	2.46541	3.89754
ENHO	0.901677	0.599944	0.852493	0.0663718	0.233436	0.164521	0.882434	0.248032	0	0	0.121176	0.0153613	0	0.0112204	0.0308315
ENKD1	2.09186	1.71057	1.93771	1.91282	3.56975	3.78817	1.11011	1.19138	0.879119	1.7565	1.92907	0.72731	1.76786	1.82473	1.52324
ENKUR	0.0619129	0.0387798	0.040975	0.236071	0.0192344	0.0685335	0.0424141	0.0550231	0.0075403	0.893632	0.17473	0.177201	1.63379	0.304169	0.0355659
ENO1	82.0096	57.3324	55.1983	262.037	84.543	310.282	68.4016	50.0702	109.487	213.937	271.048	129.895	342.073	185.313	81.0646
ENO1-AS1	0.155671	0.250015	0.300491	0.160423	0.403017	0.839493	0.0592466	0.230579	0.252786	0.455893	0.351466	0.222773	0.535669	0.162721	0
ENO2	2.00579	1.78558	2.59962	1.16147	3.38275	6.66084	2.51917	1.89293	0.372241	4.23176	7.87111	1.96827	5.52162	5.20664	3.7859
ENO3	0.272806	0.357815	0.300913	0.296753	0.847524	0.309721	0.484526	0.39061	0.110749	0.133155	0.119764	0.227733	0.058671	0.34853	0.348252
ENO4	0.239693	0.293572	0.415409	0.133191	0.0896658	0.135251	0.0662726	0.330738	0.0491896	0.101247	0.118546	0.104039	0.0156354	0.0464402	0.0365206

ENOPH1	4.78493	4.39715	4.42157	5.86714	4.7418	6.36778	3.52159	3.7831	6.26491	5.93932	7.071	3.86966	7.61245	4.7422	3.00356
ENOSF1	4.01559	5.02179	5.27439	3.30852	3.75931	3.48647	4.08579	4.04729	2.14561	2.11154	1.94386	3.36587	1.4714	3.83979	3.09745
ENOX1	0.0964517	0.0361448	0.066493	0.13805	0.174793	0.246382	0.165188	0.109529	0.0261039	0.215212	0.520214	0.0498433	0.169404	0.176435	0.323206
ENOX1-AS2	0.0648265	0	0	0	0	0	0	0.0288062	0	0	0	0.0231925	0	0.0677623	0
ENOX2	1.97517	1.57652	1.18061	3.316	1.38233	3.03098	1.04085	1.25383	1.57945	2.21342	2.87903	1.79378	2.98285	2.44465	1.99496
ENPEP	0.189963	0.104921	0.122654	0.501343	0.46061	0.54443	0.232764	0.341764	0.42885	3.16347	6.19797	0.480705	0.750326	1.94449	4.53132
ENPP1	0.702812	0.176805	0.23411	0.573646	0.135256	0.75996	0.97288	0.309537	0.0681727	1.10068	1.93432	0.106807	0.634029	1.19948	2.03205
ENPP2	4.14631	1.97108	2.15273	4.76103	1.82517	13.9126	3.25909	2.48211	0.442039	2.9958	6.54182	0.510606	3.11973	1.21856	5.4952
ENPP3	0.35803	0.393309	0.509443	0.154963	0.0444915	0.0853602	0.122636	0.241822	0.0784872	0.143797	0.129335	0.0461124	0.0600598	0.0673639	0.154253
ENPP4	1.27583	0.419342	0.580912	0.682873	0.0844959	1.69691	0.818692	0.672403	0.042158	0.341363	0.502416	0.0247684	0.424343	0.167994	0.830909
ENPP5	0.477422	0.19265	0.32584	0.110699	0.01854	0.711409	0.279367	0.31822	0.0145362	0.0599214	0.175159	0.0170804	0.0346534	0.0810946	0.128557
ENPP6	0.0587984	0.011332	0.0291853	0.018178	0.0365337	0.0851123	0.0268536	0.0156765	0	0.0073798	0.0464633	0.00420718	0	0.0307306	0.0591094
ENPP7	0	0.0119964	0	0	0	0.0106003	0	0	0	0	0	0	0	0	0
ENPP7P13	0.0085116	0.0205051	0	0.00438573	0.00661073	0.00724752	0	0	0	0	0.00480427	0	0	0.0066728	0.0183356
ENSA	15.7003	19.1945	19.8382	24.3099	21.0927	20.4571	14.6304	14.3699	25.8668	18.0588	27.513	17.2668	18.5268	14.6431	8.02644
ENTHD1	0.367214	0.246878	0.332045	0.0264018	0.0397961	0.130889	0.282766	0.47814	0	0	0.0192809	0.0305525	0.0165296	0	0.036793
ENTPD1	4.5297	2.25604	2.67405	2.52588	1.5554	2.56063	3.00562	3.30852	0.599837	2.79169	4.55446	1.85175	2.63031	4.16796	6.0537
ENTPD1-AS1	0.273841	0.352053	0.411071	0.0793924	0.141226	0.0764241	0.27696	0.389867	0.058204	0.0363863	0.0753807	0.105992	0.0425493	0.226777	0.370296
ENTPD2	1.26736	1.06197	1.63193	1.30605	0.992882	1.45449	1.06954	2.13511	0.456339	1.32786	1.53022	1.3563	1.47185	1.1462	0.332363
ENTPD3	4.33847	2.61398	0.913746	3.43995	1.35138	4.54566	1.7554	0.986781	4.2777	5.25434	4.94783	4.69804	5.14575	2.99198	2.0219
ENTPD3-AS1	0.490059	0.363245	0.261043	0.140752	0.266594	0.15829	0.390693	0.342962	0.0554405	0.144418	0.0902728	0.38379	0.0440419	0.196696	0.260805
ENTPD4	4.92196	4.64709	5.24829	4.11915	3.67635	4.57315	4.04295	3.50715	2.83034	4.1273	3.40352	3.15203	2.78249	5.27787	6.2307
ENTPD5	1.5362	1.45234	1.42615	1.95744	0.944303	1.90244	1.35006	1.32274	1.26462	1.49514	1.3623	1.20175	1.54031	1.61036	1.30855
ENTPD6	1.99707	2.14312	2.49398	4.13084	4.1634	6.63918	2.34565	1.54979	0.704059	2.00282	2.29219	1.34349	2.90066	2.85159	3.08074
ENTPD7	1.87775	2.36984	2.30319	7.75945	2.26756	4.47992	1.90527	2.3067	3.75027	4.69262	5.53467	4.58927	8.09084	5.28671	4.46594
ENTPD8	0.0833233	0.155567	0.224025	0.0644003	0.145609	0.0709487	0.261624	0.148102	0.0126848	0.0261448	0.0235154	0.186313	0.0134399	0.0108871	0.0448736

ENTR1	2.73358	3.70751	3.65368	6.50624	5.74219	7.87739	2.57687	2.08356	3.00931	3.49198	5.31519	4.34348	9.11343	5.77064	3.21326
ENY2	4.26932	2.93005	3.1652	3.55019	0.7731	4.7146	2.43286	3.37955	1.78054	3.71872	8.57682	1.76946	3.13586	2.64998	3.22759
EOGT	2.93629	1.97155	1.81362	3.65463	1.08633	4.96658	2.10101	2.06735	1.34102	3.08148	5.1064	1.80642	4.70743	3.98173	6.24695
EOMES	0.120142	0.0365596	0.0627723	0.143358	0.0982217	0.393044	0.021659	0.0505761	0.00770099	0.0476179	0.0785196	0.0588178	0.171348	0.0594864	0.326915
EP300	10.4261	13.1055	13.3719	12.5309	9.5607	16.0294	13.777	11.4681	11.0575	10.4636	8.23034	9.93993	14.8796	9.50973	11.6427
EP300-AS1	1.36296	1.18277	1.56202	0.800047	1.60035	0.743629	1.3004	1.12325	2.69827	1.27557	0.920559	2.20512	0.548349	0.923324	0.35323
EP400	5.61055	6.54085	7.08496	6.44986	7.3346	9.40263	8.12864	5.93467	3.40049	3.26386	2.68532	5.02955	5.93052	4.35331	6.18476
EP400P1	0.571433	0.594123	0.709095	0.495898	1.35481	0.921918	0.755462	0.815221	0.146514	0.415225	0.373466	0.570274	0.320175	0.723062	0.863843
EPAS1	23.6269	16.3483	17.0776	48.0547	32.3932	97.1835	25.6414	14.074	25.5395	37.5428	50.0261	23.0377	70.7424	32.5944	68.7309
EPB41	4.27481	7.07463	7.12181	4.64161	5.04186	4.57168	5.79534	5.07381	9.38183	4.3259	3.69254	5.31475	4.70639	4.15039	1.96423
EPB41L1	2.60341	2.37339	2.38611	1.8392	3.08091	5.19487	2.65178	2.47506	0.734261	0.911478	1.68989	0.531884	0.939316	0.71972	3.24689
EPB41L2	7.07239	3.30991	3.99072	2.82511	2.88423	6.59873	3.18793	3.27985	0.751916	2.79886	3.90609	1.29891	3.17185	2.92336	10.8517
EPB41L3	2.59472	1.52616	1.55244	8.47558	2.52321	8.14222	2.63068	2.05523	5.57572	14.2551	9.51122	5.12319	17.0134	5.98746	4.948
EPB41L4A	3.08096	2.74449	2.60066	2.71662	1.31702	2.80134	2.10997	2.53911	1.68343	1.71614	1.42895	1.76874	2.34226	1.82245	2.16088
EPB41L4A-AS1	10.0209	6.2384	7.85706	5.89249	5.20871	14.2596	6.94902	5.8051	2.7147	3.33285	8.33657	2.48253	3.13893	3.11	2.36607
EPB41L4A-DT	1.07604	0.717855	0.821698	0.648272	1.82574	0.98671	0.58594	0.294243	0.302421	0.664879	0.878329	0.497495	0.875827	0.562383	0.689452
EPB41L4B	3.47557	1.63357	2.12971	1.74244	0.633806	1.30474	1.71266	2.10267	2.34523	5.57801	2.57147	2.75573	7.62889	2.424	0.881074
EPB41L5	1.77702	1.55515	1.73018	1.44779	0.494571	1.28436	1.27462	1.6111	1.42019	1.66589	1.3119	1.01664	2.36237	1.40613	0.69159
EPB42	0.0637801	0.0658504	0.0226129	0.0187792	0.0424596	0.0387913	0.0624189	0.0728774	0.0110967	0.0114358	0	0.00651948	0	0.0142861	0.0130852
EPC1	5.25493	3.75419	4.02821	3.7922	2.43222	3.87316	3.56493	3.96404	2.95945	3.44644	4.40585	2.59978	3.46539	3.118	3.70332
EPC2	4.81167	3.9476	4.14882	4.18563	1.25393	5.28236	3.00454	3.95422	3.62287	3.90111	4.36264	2.59239	4.58083	2.96326	3.94345
EPCAM	2.24964	0.752898	1.40416	0.63858	0.79515	2.64964	1.16893	2.14296	0.0492182	1.92744	2.08336	0.867493	3.65038	1.67564	0.61907
EPDR1	1.43214	0.461379	0.567847	0.698633	0.723985	3.51402	1.61582	0.497057	0.0722444	1.4784	4.15179	0.127334	0.503011	0.469473	2.85996
EPG5	4.12591	4.06286	4.13	5.48495	3.29515	4.00861	4.68584	3.74134	8.07493	3.42711	3.56221	3.47034	4.40021	2.75601	3.14865
EPGN	1.16795	0.331475	0.191919	7.99655	0.745575	3.60334	0.858574	0.710944	47.5138	38.4254	24.7256	45.8141	88.8685	32.9464	10.8796
EPHA1	3.64728	6.68112	5.4539	10.1767	11.9724	7.38902	5.31937	4.01812	12.7141	7.43663	4.74658	8.34129	10.5406	6.69339	2.45097

EPHA1-AS1	0.433702	0.424597	0.469479	0.251999	0.121837	0.239646	0.33188	0.323932	0.106764	0.173726	0.0885438	0.303722	0.116096	0.417172	0.25179
EPHA10	0.0348733	0.0336189	0.0432694	0.0215411	0.140701	0.0533958	0.0517103	0.0340575	0.0848581	0.00874512	0.0117984	0.0249277	0.00224775	0.0637916	0.0200129
EPHA2	6.04994	6.38666	6.84931	14.3896	12.4911	9.66015	5.60164	6.4448	21.3906	15.5438	6.82307	21.2624	50.9731	16.6868	7.28768
EPHA3	0.960538	0.180443	0.197939	0.164381	0.258549	0.575767	0.684949	0.348238	0.240722	0.409111	0.645898	0.171202	0.120815	0.161298	0.722096
EPHA4	4.16347	4.80081	5.06195	3.65572	3.87609	3.92526	3.60776	5.51486	4.15597	2.07634	2.23476	3.37777	1.47598	1.79073	2.11734
EPHA5	0.0234076	0.0473592	0.0484109	0.02171	0.0181787	0.0398625	0.0587972	0.0462052	0.0142539	0.00587578	0.00613468	0.00837437	0.00453073	0.00122338	0.00336162
EPHA5-AS1	0	0.0190219	4.70E-08	2.34E-15	1.09E-05	0.0167426	4.78E-12	0.0487333	0	0	0.015058	0.0140692	0	0	0
EPHA6	0.0908164	0.0607732	0.0500865	0.0103988	0.0235115	0.0601448	0.0403244	0.0448389	0	0.00633244	0.0227823	0.00361009	0.0162762	0.00791077	0.00724577
EPHA7	0.067986	0.0804028	0.120155	0.0605077	0.0720039	0.121041	0.0917377	0.043942	0.018818	0.0853294	0.125587	0.00442235	0.0378827	0.0193813	0.128703
EPHA8	0.0213576	0.0123485	0.00706739	0.0572249	0.0132703	0.145485	0.0146312	0.0531463	0	0	0.0626861	0.00305638	0.00551192	0.00892991	0
EPHB1	0.722756	0.980305	1.44974	0.300989	0.361414	0.484747	0.893046	0.888697	0.0723481	0.161544	0.335302	0.0673005	0.242741	0.287189	0.554532
EPHB2	0.652006	0.17273	0.114468	0.321912	0.843447	1.04251	0.435652	0.296245	0.643425	0.397326	0.665033	0.247515	0.499124	0.315566	1.5596
EPHB3	6.59741	11.4625	10.4892	12.7951	29.049	12.8743	12.9427	7.65681	20.0505	13.6631	8.55583	16.7321	22.9178	8.77932	4.32388
EPHB4	12.4359	10.3844	9.51778	19.6947	26.1088	29.7923	9.84447	7.61536	8.00029	10.5947	10.5379	10.687	21.1502	16.0348	17.9129
EPHB6	13.2505	28.7429	21.9237	4.66534	58.7282	7.81633	25.5837	16.6407	50.8941	3.57808	3.92626	16.6777	2.10421	2.34819	2.15353
EPHX1	15.0583	7.4479	9.73018	6.60313	10.7256	17.2727	18.2615	8.2167	5.70124	7.41777	12.1436	6.441	6.56294	6.448	15.4345
EPHX2	4.90327	7.14622	6.27804	3.98366	14.3006	7.05948	7.45677	5.00852	8.61056	1.65982	1.96373	3.18815	0.623525	1.28133	1.00805
EPHX3	8.65772	12.1461	14.4925	14.8045	22.3341	9.69021	15.2025	11.568	72.1262	15.138	23.2542	25.9586	15.6717	10.604	3.15556
EPHX4	0.288687	0.0772743	0.0796073	0.0826389	0.0498256	0.641845	0.0549355	0.0855202	0	0.100648	0.307786	0	0.144868	0.134116	0.0690984
EPM2A	1.18177	0.787107	0.623009	0.692504	0.593903	0.986534	0.648198	0.679581	0.945401	0.843415	0.634339	0.766834	0.683984	0.475345	0.623961
EPM2AIP1	3.20126	3.04436	3.47189	2.70268	1.32894	3.60266	2.55395	3.61641	1.92855	2.21786	2.91846	1.52038	2.35448	2.29099	2.35456
EPN1	11.2985	12.8046	11.6998	29.156	38.3613	44.7544	17.9616	9.82678	35.5268	46.7611	39.0961	37.625	98.0767	30.3357	20.1681
EPN2	6.62737	13.6417	14.2076	9.4597	14.619	8.69154	13.6244	9.23098	9.87598	8.41535	7.61259	7.66355	8.70713	6.9561	4.88869
EPN2-AS1	2.43099	4.77886	4.39222	1.32275	1.9334	0.927341	4.61865	3.16292	0.544764	1.3425	0.0439086	2.26823	0.0376431	1.56531	0.92168
EPN2-IT1	1.73713	3.15891	3.52315	0.837334	2.61132	0.691857	3.71087	2.56473	0.375353	0.668149	0.34792	1.50358	0.271158	1.43507	0.88523
EPN3	3.7894	5.997	5.3239	32.5647	16.3131	5.60018	7.69774	4.09572	57.8211	10.2297	13.8977	14.7715	32.4529	3.56368	1.63346

EPO	0.0174008	0.117376	0.0575806	0.035864	0.378412	0.0296331	0.33775	0.0463931	0.275499	0.174718	0.53037	0.0373522	0.0336807	0.0636609	0
EPOP	0.587715	0.628499	1.03169	1.9056	0.723659	2.92935	0.818333	0.770728	1.36171	0.63869	0.792911	0.830794	1.95607	1.32231	1.01901
EPOR	0.318206	0.273484	0.362848	0.5229	0.774824	0.783553	0.363318	0.183435	0.251377	0.47494	0.941726	0.116919	0.271891	0.566348	0.444633
EPPIN	0	0	0	0	0	0	0	0.0102838	0	0	0	0	0	0	0
EPPIN-WFDC6	0	0.00598855	0	0	0	0	0	0	0	0	0	0	0	0	0
EPPK1	8.7054	32.5351	45.7632	39.683	141.276	18.0441	60.1227	22.0815	61.8388	37.276	5.34788	122.679	138.457	47.5252	28.1192
EPRS	10.254	8.96056	9.32273	17.4532	6.86009	17.2619	7.60315	7.68979	15.4951	15.6732	15.9515	11.6065	26.8415	13.4631	10.3785
EPS15	11.6751	8.58227	9.90617	7.85557	3.97978	10.3075	11.3059	9.92569	8.39441	8.27499	8.04292	5.42423	11.6396	7.35039	9.28652
EPS15L1	3.62509	4.80919	4.78639	4.91157	5.51239	5.62267	7.10352	3.63686	5.92487	5.72819	3.70688	5.97513	9.43371	4.57339	3.96101
EPS8	9.10528	3.17147	3.43326	2.96805	2.51873	13.0343	4.29179	4.16693	1.2843	5.72114	10.2275	1.19267	3.25924	5.05217	13.0112
EPS8L1	6.431	14.31	16.7797	29.4128	45.504	14.3742	17.6608	7.52761	62.6547	41.8645	27.0908	34.1785	56.2285	31.8323	5.83306
EPS8L2	9.09954	17.2567	16.1832	27.2133	36.7389	23.6836	16.127	8.60422	34.826	25.5513	13.5244	25.7275	35.0405	17.3212	6.47585
EPS8L3	0.00997116	0.019217	0.0247465	0	0	0	0.0227695	0	0	0	0	0	0	0.0104227	0
EPST11	0.999393	0.581266	0.454722	5.4511	0.820554	8.83191	0.326021	0.932585	0.286899	1.19162	2.6996	0.260498	1.98967	0.731256	2.18363
EPX	0.0595374	0.0942541	0.0844347	0.01753	0.0396352	0.0796641	0.116534	0.0680296	0.0207171	0.0213502	0	0.0060858	0.0493885	0.00889053	0.0610738
EPYC	0.0300754	0	0	0	0	0.0128044	0	0	0	0	0.0169757	0	0	0	0
EQTN	0.0446777	0.053816	0.0369605	0.138125	0	0.0190212	0.0510116	0.0992646	0.0272062	0	0	0	0.0288258	0.046701	0.0320814
ERAL1	4.91761	4.6627	4.6307	9.96031	6.99747	11.6416	5.64247	4.03584	6.21089	5.51678	8.73137	5.05647	9.01711	5.93352	4.70819
ERAP1	4.88004	6.99613	8.83844	3.39709	2.93502	6.94528	4.3854	6.76456	2.35211	2.77368	3.45	1.83238	4.60127	2.68472	2.46604
ERAP2	2.18718	1.17111	0.738459	2.77563	1.35657	3.524	1.40746	2.59972	0.597691	0.470454	0.357706	1.67835	0.251813	2.87393	3.50178
ERAS	0	0.0539984	0	0	0	0	0	0	0	0	0	0	0	0.0146435	0
ERBB2	13.9451	19.7166	19.6504	22.4897	48.0449	25.4779	22.3241	14.0795	43.8136	14.0839	10.3589	22.599	17.6241	11.1001	7.38347
ERBB3	8.31103	15.8212	17.0063	10.9793	14.9126	11.1847	17.6559	11.3748	24.8223	11.388	7.11673	10.7383	13.4489	4.9023	1.6476
ERBB4	0.108698	0.0822997	0.118827	0.0060009	0.0361813	0.133875	0.0886488	0.105227	0	0	0.0021912	0	0	0.00608684	0.0167255
ERBIN	10.3382	9.8843	11.7971	10.1491	2.18617	9.95183	7.46456	11.4173	10.3744	9.93569	10.896	5.47751	10.076	7.08462	9.77756
ERC1	7.57581	7.62011	7.33541	10.9594	9.27576	8.36938	8.11975	6.20457	8.83104	10.8787	5.87238	10.2115	17.5163	10.2744	8.90412

ERC2	0.018321	0.0247165	0.00606256	0.0528648	0.022767	0.0280801	0.0167346	0.0162822	0.031238	0.0137968	0.0206821	0.00786549	0.0118206	0.0172356	0.0631469
ERC2-IT1	0.020526	0.0148346	0.0254708	0	0.0318839	0	0.0351539	0.0273627	0.0249983	0	0	0.0146869	0	0	0
ERCC1	9.17771	9.51861	9.33775	12.8498	12.8365	16.9152	10.8986	7.79397	13.4877	8.92759	12.8934	10.1558	11.9498	8.77994	7.74587
ERCC2	1.40491	2.01569	2.05757	2.34566	3.78838	4.66218	2.39755	1.52209	1.443	1.90184	2.22386	1.90498	2.57751	2.44912	1.6475
ERCC3	5.98383	5.48453	5.50384	7.00673	5.90195	7.38081	5.73439	3.9987	5.30176	5.00045	5.59151	4.42469	7.2252	5.31416	4.89325
ERCC4	0.818102	1.11655	1.20067	1.26285	0.489176	1.22416	0.715218	0.909587	0.608653	0.747546	1.00082	0.754373	1.28536	1.10266	0.904524
ERCC5	7.42472	6.96023	7.42565	4.637	5.2868	8.87679	4.73667	5.19747	7.48441	3.79134	3.63258	4.46338	4.67377	3.23034	4.84846
ERCC6	2.1359	2.75532	2.73299	2.31052	1.7365	2.12535	2.02511	2.18581	3.04749	1.98575	1.42636	1.95877	2.11681	1.84093	1.35729
ERCC6L	0.667894	0.334572	0.350812	0.737447	0.181146	0.541621	0.375237	0.654809	0.148481	0.479015	0.454775	0.299633	1.0944	0.82004	0.350177
ERCC6L2	2.45744	1.95854	1.91221	1.50151	0.727764	1.88949	1.55736	1.86564	0.921045	1.38966	1.82604	0.802235	1.39816	1.31398	1.68963
ERCC8	1.55194	1.3993	1.13372	1.69285	0.507518	1.32919	1.1295	1.23406	0.806883	1.3783	2.17201	0.71433	1.00716	1.10046	0.873269
EREG	3.0554	3.47435	3.34261	3.13837	1.94194	1.08153	5.20715	4.01309	56.1155	19.1679	15.3491	30.99	31.3445	13.1593	7.26058
ERF	6.15431	7.74309	7.99679	9.52156	14.4523	18.4508	6.79683	5.18305	6.6417	6.55147	10.112	4.84736	9.47457	9.35893	9.53245
ERFE	0.159497	0.146012	0.145142	0.164367	0.210591	0.129019	0.145687	0.170097	0.0388499	0.880816	2.01659	0.370905	0.514534	0.904459	0.767345
ERG	2.27094	0.895362	1.07139	2.452	0.748551	3.16722	1.0626	1.07067	0.502529	1.96191	2.64519	0.909436	2.87794	2.51231	3.36083
ERG28	5.68057	7.39999	7.80741	16.6792	5.92928	17.8506	10.4495	6.65109	9.35251	10.2041	15.353	8.76362	9.31782	6.57402	3.94951
ERGIC1	14.4644	9.47959	11.203	18.8214	10.077	20.0752	15.129	9.91253	11.1936	14.3256	20.5641	8.12181	21.8891	12.9442	16.3465
ERGIC2	5.99089	4.88823	5.00995	8.0125	1.11266	5.96614	3.79185	6.65525	8.67616	9.41532	12.0557	5.0601	10.5707	6.14648	5.76072
ERGIC3	30.5299	24.0232	24.6674	41.3438	38.2124	57.617	34.2386	20.4923	34.8506	27.7924	50.1282	25.1297	32.5202	25.0317	20.9736
ERH	18.6936	10.747	11.6164	29.8045	5.52028	25.881	9.83065	10.9899	16.6791	22.8096	39.5635	11.8666	22.1646	16.2633	10.6224
ERI1	0.829031	0.822005	0.985433	1.97847	0.56933	2.03227	0.657611	1.01209	1.25942	1.84555	2.59581	1.05214	2.94468	1.68298	1.22193
ERI2	0.964334	1.0845	0.930177	1.71983	0.281988	0.941361	0.641782	1.06265	1.33382	1.01795	1.75464	0.880327	1.89531	1.16793	0.751913
ERI3	6.83083	6.72217	6.50186	11.7414	10.5902	16.6518	9.03384	5.42609	5.58894	5.67698	14.2612	4.43474	5.77702	6.94719	6.51471
ERI3-IT1	0.537249	0.866168	0.68377	0.191648	1.05922	0.475055	0.896528	0.550918	0.0503315	0.129674	0.0699793	0.561839	0.173315	0.388786	0.860584
ERICH1	2.06883	2.21916	1.99935	1.86468	3.00722	2.47807	1.34359	1.81611	1.37923	1.03229	0.857046	1.27659	1.48991	1.2532	1.79902
ERICH2	0.0944614	0.025285	0.0520968	0.0432646	0.114124	0.187676	0.0838857	0.0746217	0.0127826	0.0395196	0.0236967	0	0.0270871	0.010971	0.0753659

ERICH3	0.00646544	0.00467272	0.00534867	0.00333141	1.67E-10	0	0	0	0	0	0	0	0	0	0.00928519
ERICH3-AS1	1.76E-10	0	0	0	0.0142458	0	0	0	0	0	0	0	0	0	0
ERICH4	0.169635	0.0350283	0.100239	0	0.0376431	0.0206346	0.0830073	0.107684	0	0	0.0520193	0	0.0633276	0.0348025	
ERICH5	0.074655	0.17985	0.0864638	0.107708	0.139158	0.139849	0.0852387	0.0663472	0.236396	0.0187399	0.0842762	0.0213671	0.00963341	0.00780359	0
ERICH6	0.10694	0.0420811	0.0831612	0.0230208	0	0.133149	0.0892702	0.0794116	0.0272062	0	0.0126089	0.00799202	0	0.0233505	0
ERICH6-AS1	0.216711	0.157214	0.193146	0.210526	0.0453331	0.347899	0.199929	0.181555	0.106629	0.183146	0.131781	0.0417641	0.0941474	0.167782	0
ERICH6B	0	0.0138174	0	0	0	0	0	0	0	0	0	0	0	0	0
ERLEC1	6.65968	4.13726	4.66405	6.46579	2.99344	8.99816	3.52046	5.26538	9.0277	8.48234	14.8944	4.04048	6.87597	5.2514	8.39276
ERLIN1	3.48016	4.41244	4.32387	7.96313	3.1234	7.65521	3.72335	3.33344	5.08613	4.93416	6.83881	4.30702	6.49077	4.95143	3.56335
ERLIN2	2.73826	2.70851	2.98484	3.73149	1.96159	4.37516	2.60414	2.48219	1.78514	2.04995	3.14931	1.39225	3.14331	1.91433	2.10503
ERLNC1	0.143873	0.0297087	0.0850158	0	0	0.105005	0.0469343	0.0913305	0	0	0	0.0441194	0	0.0214841	0.20662
ERMAP	3.07472	2.83866	2.79526	2.58257	2.10559	3.91305	2.29511	2.13316	1.61866	1.80921	2.18709	1.61337	1.31826	1.24066	1.75678
ERMARD	3.74955	3.79886	3.92907	4.00355	1.90909	3.84897	2.33083	2.63806	2.52427	2.91515	3.69192	2.35499	1.80767	2.31895	2.33342
ERMN	0.255847	0.0723548	0.110429	0.0802437	0.0345582	0.123133	0.0444528	0.197718	0	0.139615	0.0376721	0	0.021531	0.0145345	0.159752
ERMP1	3.74813	4.40724	4.82493	5.51028	3.39905	5.03258	4.2597	3.93946	5.32999	5.2862	5.31708	5.36377	5.92407	4.43421	2.6385
ERN1	2.32515	2.38186	2.35044	2.71945	2.48224	3.30056	2.39031	2.86117	2.33541	1.68916	1.17173	2.01827	2.23608	1.68262	2.3244
ERN2	0.115076	0.0616059	0.13751	0.00658828	0	0.0435492	0.138689	0.124997	0	0	0.0216511	0	0.0123744	0.0133653	0
ERO1A	4.33722	3.70813	4.28622	38.5695	2.99131	10.7861	2.67979	6.26133	8.73386	29.4421	26.7939	15.1024	59.6621	21.6237	7.57345
ERO1B	1.07152	0.785445	0.928109	0.703124	0.305859	0.939681	0.580345	1.42028	0.284422	0.59772	0.909796	0.350586	0.61748	0.536092	1.164
ERP27	0.462333	0.445518	0.469897	0.231417	0.205189	0.764845	0.180986	0.48132	0	1.52529	2.41573	0.500943	1.34659	0.283058	0.113823
ERP29	16.7912	15.2714	16.1411	22.0025	25.7652	25.168	19.7819	11.9465	21.388	12.6884	19.3635	11.4746	17.0521	9.99199	9.93474
ERP44	4.16803	3.74822	3.81809	6.84499	1.35992	6.05279	3.29213	4.20317	6.04392	7.51852	8.44356	5.00801	12.1628	5.54546	5.15901
ERRF1	11.124	7.15582	8.43163	10.9682	1.8842	12.9736	7.92128	8.91329	47.4084	15.837	29.407	15.8027	13.0993	20.5806	9.81476
ERV3-1	2.82148	2.73025	2.72425	4.54346	1.33648	3.0589	2.15377	3.08601	5.17658	3.59269	3.48034	4.43593	3.52367	2.47396	3.26472
ERV3-1-ZNF117	0.534055	0.207736	0.0700254	0.0257206	1.19E-05	0.0817474	0.00070368	0.22967	0.184036	0.212727	0.418709	0.00703342	0.0847977	0.266834	0.0317712

ERVRD-1	0.700456	1.06309	0.967709	0.36092	0.990125	0.256464	0.999697	0.703432	0.238861	0.316492	0.126516	0.556326	0.117502	0.940848	0.6941
ERVH48-1	0.363187	0.539549	0.408951	0.135155	0.235064	0.214756	0.472268	0.672437	0.11058	0.253242	0.0455547	0.288744	0.0585815	0.337453	0.478117
ERVK13-1	2.57729	4.45262	5.31954	1.15992	2.92358	1.41933	3.26917	2.91546	0.54679	1.04211	0.729226	1.64856	0.385197	2.17626	1.62795
ERVK3-1	5.22969	5.10898	4.7271	7.81554	5.38834	10.2549	3.53244	3.49785	8.32084	6.4582	12.6951	5.33496	7.63892	4.72447	3.77531
ERVMER34-1	0.372149	0.56407	0.0962089	1.61394	0.674423	1.05627	0.300977	0.20671	0.764836	0.486548	1.19031	0.771111	2.28604	1.37367	0.322899
ERVV-1	0.259455	0.209431	0.294459	0.192085	0.495302	0.151122	0.205802	0.276108	0.159381	0.105775	0.0419689	0.23979	0.0899505	0.26138	0.361924
ERVV-2	0	0	0.0154275	0	0	0	0	0.00828671	0	0	0	0	0	0	0
ESAM	7.87532	2.70265	2.86825	10.3106	10.252	17.7449	6.29143	2.8612	3.46854	7.86396	17.5708	4.16423	12.575	11.2284	15.809
ESCO1	3.4105	2.2802	2.4682	2.09923	0.255695	2.11996	0.886869	2.39095	1.97343	2.35009	2.17762	1.49068	2.34315	2.28791	1.8912
ESCO2	0.0689192	0.136146	0.108328	0.823869	0.0321166	0.346234	0.0786897	0.140874	0.0755422	0.605504	1.12034	0.128215	0.871539	0.601537	0.326623
ESD	14.8333	12.1703	11.7251	23.7896	6.24285	27.757	12.3918	10.4909	9.55285	18.8854	35.6816	10.308	16.0968	14.9673	10.6234
ESF1	3.49663	3.13709	2.97481	3.20139	1.0246	4.0644	0.931277	2.16202	3.68841	3.07116	3.07455	1.84727	4.37932	3.14715	2.45478
ESM1	0	0.0320268	0.0183299	0.194085	0.0516264	0.0565993	0	0.029537	0.202386	0.347617	0.762883	0.023781	0.0500347	0.358988	0.159102
ESPL1	0.510174	0.683553	0.549246	1.18474	0.868468	1.60671	1.14505	0.490666	0.876678	0.675407	0.694264	0.902608	1.22872	1.08299	0.436594
ESPN	2.15635	7.50642	6.7614	2.70849	10.1097	2.13747	4.88668	4.87542	2.58628	1.06941	1.05805	2.54184	0.541282	0.863235	0.31062
ESPNL	0.0479947	0.0647488	0.0119114	0.02473	0.208747	0.608917	0.131517	0.0725113	0	0.0180715	0.043344	0.0068683	0.0557387	0.030101	0.10339
ESPNP	0.0229708	0	0.019003	0	0	0	0	0.0306218	0	0	0	0	0	0	0
ESR1	0.243993	0.184598	0.268575	0.278456	0.256847	0.38289	0.331537	0.195336	0.127704	0.108828	0.175279	0.0908989	0.074158	0.16757	0.411219
ESR2	0.325394	0.51544	0.523627	0.211302	0.283882	0.284659	0.356256	0.392179	0.0380007	0.156647	0.0553509	0.11163	0.0258833	0.160746	0.172839
ESRG	0.941159	1.25424	1.12262	0.540543	1.18805	0.491405	0.906042	1.07492	0.404192	2.49926	0.341348	2.2698	3.01681	3.65411	1.82134
ESRP1	12.2527	19.6063	19.3014	24.846	9.00142	18.4584	16.2669	17.055	50.8179	27.0628	19.1787	25.696	37.459	18.4837	6.01678
ESRP2	5.93636	13.5242	12.3282	17.7517	20.9197	15.4134	12.0522	8.12303	22.9214	15.153	10.5689	19.4583	28.0162	15.7125	3.90305
ESRRA	6.95578	5.10701	4.37271	8.00387	15.0551	11.3693	4.69695	2.90341	8.43023	6.38612	5.14	5.29552	10.7528	7.77242	3.72415
ESRRB	0.115178	0.0332966	0.0254088	0.0237388	0.0357822	0.0457671	0.0438354	0.0477682	0	0	0	0.0109884	0.00495414	0	0.0441093
ESRRG	0.863652	0.210107	0.3139	0.0291809	0.101166	0.274867	0.252181	0.520922	0	0	0.00639315	0	0.00182696	0.00295988	0
ESS2	1.15924	1.25973	1.26257	1.90367	2.78525	2.32567	1.19979	0.807882	2.12281	1.36599	1.77466	1.41427	1.87253	1.42313	1.2037

ESX1	0	0	0	0	0.02429	0	0	0	0	0	0	0	0	0.00817268	0.022457
ESYT1	9.49102	8.23839	9.1499	22.9081	14.9782	21.0611	11.6027	6.40068	10.0037	17.7394	13.4997	11.4799	35.5716	16.1092	14.3917
ESYT2	17.1407	11.1525	13.2222	11.2462	6.58394	16.8049	14.4474	11.6735	11.209	15.9058	19.5208	9.14287	21.0002	11.123	16.6935
ESYT3	2.32587	2.60043	3.01259	4.22137	3.02231	2.41524	4.57496	2.91173	15.9882	3.14375	4.24981	4.77929	3.06861	2.54808	0.792233
ETAA1	2.03727	1.72881	1.83116	1.83067	0.700806	1.65667	0.973897	1.99223	1.65697	2.17653	2.37144	0.948273	1.88296	1.70952	1.64005
ETDA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ETDB	0.102102	0.131184	0.112621	0.140292	0.0528664	0.0289794	0	0.060493	0.124348	0.0854321	0	0.0730565	0.109792	0.0177876	0.146631
ETDC	0.642863	0.309741	0.319093	0.132498	0.599153	0	0.1468	0	0	0	0	0.183994	0	0.134395	0
ETF1	16.6628	15.3973	15.4861	24.6766	7.51191	23.4303	10.5102	15.0349	34.8559	24.2785	26.0404	18.1245	37.8703	20.3991	11.4581
ETFA	7.89667	9.34712	8.51228	15.606	6.7438	12.7056	10.4798	8.38499	17.5067	15.2743	26.8398	9.82066	18.1519	13.1853	9.47507
ETFB	8.93799	6.5751	5.92854	10.9051	18.8423	21.9892	6.23243	4.24117	20.0796	8.27336	14.1799	7.20617	7.28056	6.30641	3.62162
ETFBKMT	0.456835	0.501101	0.643278	0.621031	0.588835	0.786254	0.543795	0.354167	0.556373	0.402582	1.05336	0.389471	0.263391	0.416563	0.446688
ETFDH	5.04243	4.19429	4.37964	3.44825	3.47475	5.83324	2.85205	3.4873	15.2337	4.85479	5.52396	4.74845	4.12488	3.02512	2.79759
ETFRF1	1.86535	2.75557	2.15182	2.30379	0.538445	2.83356	1.85516	3.65198	7.03743	2.53727	5.04599	2.54344	2.45041	1.15698	1.78949
ETHE1	6.36137	4.51745	5.30185	27.5431	9.54958	14.532	4.52596	4.11353	7.86306	21.3608	20.1769	12.5003	25.836	12.6539	5.04511
ETNK1	2.69569	2.87238	2.9638	2.58539	1.18584	2.60553	2.52812	3.5443	2.20671	3.71735	4.53067	2.75387	2.47705	3.32602	3.28451
ETNK2	1.54854	0.926492	1.15436	0.517325	0.819429	3.33263	1.0589	0.967888	0.300509	0.662099	1.11418	0.328754	0.43917	0.493606	0.855347
ETNPPL	0	0	0.00691425	0	0	0	0	0	0	0	0	0	0	0	0
ETS1	8.10341	4.96957	5.88443	11.0313	7.14265	17.5233	5.6395	6.28856	3.5132	12.909	14.255	4.48388	23.645	15.4333	25.7115
ETS1-AS1	0.0335164	0.0726691	0.0831813	0.0690792	0.0520625	0.0428081	0.0765358	0.0893597	0.0408192	0.231366	0.0756716	0.0359728	0.0432492	0.262757	0.192535
ETS2	23.0236	17.3538	21.0104	46.8883	23.0076	48.4992	18.6301	26.1846	50.0053	33.1613	28.4476	34.5145	45.2376	26.7505	18.7836
ETV1	0.490858	0.201465	0.220583	0.396556	0.169438	0.882358	0.366712	0.363528	0.0627331	0.912707	1.79233	0.134418	0.643173	0.636608	0.739746
ETV2	0.201244	0.223759	0.166483	0.0319058	0.38474	0.158175	0.282799	0.123818	0.0565598	0.136006	0.332031	0.177225	0.239707	0.12136	0
ETV3	8.99895	10.3796	10.577	8.18599	8.19273	9.29586	11.1743	9.36512	8.39056	4.77804	4.48572	5.58681	7.47181	5.30906	4.88739
ETV3L	0.0126961	0	0	0.0391183	0.0197673	0.0111434	9.81E-45	0.0222035	0	0.0330867	0.014563	0.0649833	0.0412505	0.0259374	0
ETV4	1.23217	0.844075	1.10949	2.816	1.73171	4.41083	1.37814	1.30363	0.683969	1.75691	1.72215	1.06758	4.05066	2.69423	1.21582

ETV5	2.45422	2.95757	2.38969	3.47685	1.25322	6.8457	2.58958	2.05075	0.776445	1.64991	3.6367	0.601502	1.88922	1.60704	2.48746
ETV6	9.60487	6.55648	7.44301	7.12535	4.85897	14.9789	8.98628	7.44191	4.91292	5.51007	8.53519	3.47644	6.14206	4.57276	7.9338
ETV7	0.464099	1.35657	2.28655	0.563292	1.66609	0.913291	2.02537	0.907395	0.314011	0.142387	0.349273	0.214004	0.425862	0.0215607	0.592448
EVA1A	0.440401	0.217497	0.127516	0.975767	0.598582	1.03124	0.276559	0.166341	0.147499	1.4786	4.32525	0.275729	1.1792	0.78834	2.07134
EVA1B	5.05615	4.12888	4.0444	5.65111	16.5164	12.7258	4.5844	3.13883	6.76907	12.1321	19.9774	9.35046	9.81057	10.5995	7.47483
EVA1C	5.33721	3.45348	4.63272	5.69625	2.80105	7.38395	4.0143	3.17292	2.40582	1.29653	1.606	1.73764	3.00507	1.68599	2.55064
EVADR	0.859697	2.41902	3.10084	6.80404	1.86957	1.31764	1.60978	0.916833	10.3864	0.776886	1.35869	0.713558	0.155308	0.305534	0
EVC	3.59602	3.8402	3.91477	3.53035	6.88654	7.55578	5.14911	2.63696	0.744734	2.59464	2.33762	1.83221	3.03298	3.58453	6.82594
EVC2	1.22707	1.10202	1.39206	1.03209	1.54868	2.49304	1.1538	0.769782	0.263725	0.611513	0.662052	0.513247	0.628707	1.16476	1.56787
EVI2A	1.28402	0.848342	1.17672	1.70354	0.0955459	0.752887	0.640847	1.50328	0.149824	2.28708	4.76508	0.253068	1.13104	0.723322	3.04759
EVI2B	2.95813	1.75504	2.33202	3.01258	0.648706	1.8175	1.07285	3.21659	0.22605	2.50429	4.60963	0.730443	1.27238	1.06101	2.56561
EVI5	3.12815	2.67235	2.74375	2.59836	1.40009	2.50306	2.16921	2.91879	2.41068	3.867	3.95695	2.62819	4.50787	2.72485	3.33762
EVI5L	2.59953	3.37476	3.35023	4.58264	7.8796	6.14333	3.60014	2.24073	5.77491	4.11609	2.22808	4.42625	6.2274	3.17645	2.05675
EVL	6.18424	8.82857	9.15833	11.7822	12.156	40.8828	8.54287	6.42893	6.40425	6.08489	7.61681	6.35064	4.58729	6.99298	10.0875
EVPL	14.8647	34.2689	34.3582	29.2395	73.8482	32.1974	30.274	20.3135	30.7594	22.7875	10.3871	46.1957	60.742	26.2317	10.035
EVPLL	0.318199	1.25214	0.930695	0.435947	3.75578	0.179297	0.441183	0.313966	1.08354	1.72425	0.343671	2.02559	0.747165	1.27256	0.401915
EVX1	0.0146661	0.0105995	0.0121328	0	0.0569537	0.0187319	0	0.013034	0	0.00920371	0	0	0.00473124	0.00383256	0.126374
EVX1-AS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EVX2	0	0	0	0	0	0.0243735	0	0	0	0	0	0	0	0	0
EWSAT1	0.0183239	0.0441436	0.0303176	0	0.0142317	0.00780127	0.052304	0.0325695	0	0	0	0.00655561	0	0	0
EWSR1	21.8257	19.0299	19.6772	33.3679	21.4331	36.7626	17.4998	16.248	17.721	21.1654	17.426	18.1972	35.2557	25.3586	19.613
EXD1	0.0142463	0.0274563	0.0353565	0.0220218	0.0663881	0	0.0406648	0.0253218	0	0	0	0.025484	0	0.0148914	0.0204594
EXD2	1.9	1.83915	1.94436	2.5812	2.03197	2.6988	1.86574	1.45224	1.11781	1.88945	1.77205	1.55284	2.41853	1.67894	2.02645
EXD3	0.827874	1.32961	1.33106	1.03631	2.78991	1.75235	1.28168	0.943583	0.694957	0.792509	0.686405	1.03078	0.929464	0.789585	1.15535
EXO1	0.27408	0.154602	0.171436	1.13668	0.114223	1.08719	0.358731	0.166347	0.17097	0.427901	0.603712	0.416139	1.03082	0.719724	0.528018
EXO5	1.22257	0.976589	1.12673	1.41462	0.999513	1.78979	0.746925	0.819655	0.365708	1.27871	2.02177	0.437391	1.41845	0.947243	1.47854

EXOC1	7.11353	6.43138	6.60631	7.21076	2.74988	7.12435	4.46303	6.13817	9.18273	6.38188	7.0529	5.45048	7.27827	5.16975	4.7971
EXOC1L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOC2	3.58429	3.59099	3.59702	5.13419	2.34957	4.56514	3.92139	3.28303	4.59627	4.68031	4.76755	3.53619	5.3176	4.37277	4.18679
EXOC3	9.62758	12.164	12.3178	11.8471	18.4952	15.0756	12.0448	8.44449	18.5829	9.88562	8.41847	12.7823	12.8883	9.66507	7.30429
EXOC3-AS1	1.06545	0.664833	0.910317	1.11598	1.65502	2.34985	1.13673	0.574341	0.935976	0.657666	1.67598	0.249954	0.484578	0.693784	0.100336
EXOC3L1	0.194635	0.370647	0.276027	0.754552	0.964595	0.583999	0.338633	0.181212	0.225756	0.465309	0.439438	0.285165	0.568089	0.760514	0.891804
EXOC3L2	0.63664	0.431712	0.156051	1.4215	1.9229	3.00158	0.578824	0.345762	0.631772	0.769454	1.05141	1.02917	2.11464	2.90836	2.86141
EXOC3L4	0.0448683	0.103767	0.200438	0.0369904	0.125453	0.366765	0.0922124	0.0239251	0	0.0112629	0	0	0	0.00938005	0.0257746
EXOC4	10.2372	9.57762	9.0286	11.2635	7.951	10.6173	10.0952	9.20689	10.9045	8.27619	7.52802	8.36923	8.38175	7.40764	7.47337
EXOC5	2.85787	2.65698	2.87487	4.02957	1.07708	3.29938	1.99942	3.39531	4.17933	5.17732	5.23065	2.89513	6.76325	3.83858	3.14361
EXOC6	1.44966	1.51841	1.36043	1.36992	0.35602	1.21973	0.79815	1.68044	2.06559	1.7188	2.34154	1.27097	1.35676	1.0721	1.2261
EXOC6B	8.2466	12.9393	14.952	12.5319	6.62154	7.09108	10.9642	9.09215	17.5758	13.0788	8.3338	11.4493	13.6692	8.52261	5.92708
EXOC7	7.46194	8.14627	8.14978	13.0767	14.7038	20.3229	9.17141	5.84002	9.64044	8.8613	7.6977	7.34567	13.8281	8.66054	8.11055
EXOC8	3.83467	3.28318	3.4255	3.34877	3.5236	2.98541	3.20151	3.33594	5.90901	3.14082	2.53533	3.06585	5.87166	2.93568	2.51438
EXOG	1.01014	0.481266	0.606906	0.761838	0.482127	1.0187	0.863403	0.75229	0.158076	0.658708	1.26137	0.34726	0.833791	1.0146	1.72625
EXOSC1	3.90111	3.29356	2.73301	6.28384	3.57581	5.53624	3.10989	2.35817	6.86984	7.98405	11.8825	6.01021	5.64619	3.89409	4.21448
EXOSC10	10.6433	8.7885	9.49203	12.8142	6.02105	14.9354	8.77705	7.2588	8.18107	7.90055	9.40322	6.48509	13.0932	8.7546	8.13949
EXOSC2	3.53045	3.64993	3.36828	4.77174	3.36206	4.74334	3.60557	3.06661	1.72852	2.3714	3.2344	2.24686	4.09206	3.77842	2.21661
EXOSC3	3.01701	3.5493	3.68143	5.75189	2.88999	5.51255	2.41131	3.32925	2.49552	3.51845	5.35001	2.62649	5.19896	5.35465	2.74412
EXOSC4	2.76682	3.70028	2.58839	8.20746	10.4032	9.07137	3.51336	2.11421	8.91233	5.38747	9.69129	5.34714	10.7442	5.40584	3.52788
EXOSC5	3.09972	3.48108	3.20057	7.63763	7.74735	7.18386	3.59238	2.1334	3.37773	2.92517	6.10387	2.8016	2.99237	3.435	1.30535
EXOSC6	7.46023	7.79891	9.91064	9.18911	13.7241	10.8963	7.6785	5.45647	8.28989	4.59625	6.93097	5.53281	6.8774	7.15062	6.21715
EXOSC7	6.01416	8.04753	8.42656	8.06495	10.5955	9.93081	6.74506	5.34487	3.59738	4.73923	7.94081	4.43402	5.19665	5.40322	3.2799
EXOSC8	3.67622	2.7162	3.01951	6.43911	1.35032	5.72698	1.88397	2.96888	3.00817	5.04558	7.66529	2.72558	5.34983	3.9531	3.57679
EXOSC9	4.09642	2.64514	3.06454	5.96273	1.70089	5.55098	2.01465	2.48261	1.77844	4.00906	6.18724	1.85035	4.99477	3.74542	2.75443
EXPH5	13.3713	21.7247	25.2473	9.13724	5.68276	4.95344	17.0731	17.2254	24.4234	11.7619	11.019	17.4889	11.6323	6.21259	3.19111

EXT1	10.6872	11.6348	13.2932	20.0129	10.0482	15.1648	11.1887	9.38172	5.35552	10.9692	10.6662	8.92232	15.1937	12.7933	11.8101
EXT2	7.5101	6.79686	6.73976	14.2959	8.46465	13.4445	7.62122	5.38751	10.1707	10.7756	12.7034	6.87402	14.102	8.0416	10.6042
EXTL1	0.190264	0.213902	0.31957	0.0178248	0.465709	0.427111	0.441058	0.169091	0.0351092	0.0144728	0.00650863	0.00825086	0	0.00301335	0
EXTL2	1.09126	0.664676	0.539391	1.03971	0.245205	1.0227	0.783629	0.841736	0.250762	1.49886	3.09138	0.4518	0.779357	0.975679	2.14873
EXTL3	4.90603	4.90695	5.15181	10.785	9.40692	9.73789	5.17646	3.46796	6.50847	8.97527	6.93527	6.03345	12.9556	7.36221	5.37865
EXTL3-AS1	0.178023	0.228732	0.368184	0.0917292	0.368709	0.151585	0.101631	0.0527375	0.0361354	0.111719	0.0334944	0.382142	0.134003	0.0465214	0.127832
EYA1	0.0730526	0.00703957	0.00402895	0.0200754	0.113476	0.331751	0.0333636	0.064923	0	0.275065	0.42883	0	0.0408487	0.0152722	0.426645
EYA2	1.68734	1.74564	0.829028	0.679652	3.12659	1.99832	1.08552	1.33971	7.08292	0.204253	0.338415	0.594474	0.326045	0.41184	0.393621
EYA3	2.78543	3.13737	3.39387	4.93115	2.69346	4.79694	2.78015	2.62628	3.72485	3.70901	3.6275	3.59805	5.37002	4.03377	3.07303
EYA4	0.501725	0.159241	0.13506	0.0861737	0.0680387	0.437384	0.227323	0.173402	0.0145487	0.114948	0.220261	0.0199443	0.159286	0.0707587	1.05222
EYS	0.209394	0.187366	0.162227	0.0804919	0.0154886	0.0297161	0.121437	0.270277	0.00607187	0.0166864	0.0469008	0.0214039	0.0396722	0.0590621	0.0739858
EZH1	5.79931	6.48023	6.63498	4.04867	5.55838	4.92127	6.19881	4.57938	3.20987	2.81859	1.96123	3.02654	2.0667	3.13673	3.83468
EZH2	2.97292	2.65176	2.05581	4.05349	1.85903	4.28392	1.76682	2.61499	6.78646	3.70262	2.85696	3.8126	3.77228	3.04382	1.67495
EZR	26.5538	44.2051	53.6448	57.1088	37.6597	52.3718	39.3963	28.8023	65.241	77.509	34.8938	56.0242	130.895	51.2971	20.7359
EZR-AS1	0.66123	0.477886	0.765823	0.272567	0.924407	0.112606	0.754971	0.352588	0.161061	1.57683	0.149289	1.27744	0.127987	0.898528	0.189922
F10	5.96659	5.36481	8.12691	0.621083	3.79151	4.37483	10.666	4.29832	0.422051	0.77534	2.16013	0.398893	0.330521	0.519731	2.03399
F10-AS1	0.0508639	0.024507	0.126234	0	0	0.0866198	0	0.0452036	0	0	0	0	0	0.0531673	0
F11	0.00952131	0	8.28E-24	0	0	0	0	2.67E-23	0	0	0.0133978	0	0	0	0
F11-AS1	0.00317592	0	0.00664315	0.00827536	0	0	0.0275059	0.0214097	0	0	0	0	0	0	0
F11R	15.6573	20.1619	18.6706	31.7103	20.2909	23.0267	14.8925	14.8629	24.3782	28.0681	19.3167	20.2616	47.4611	18.6418	9.12882
F12	1.04939	1.20151	0.886801	2.25588	3.488	3.34358	1.77792	0.561573	2.22627	2.13851	5.37543	2.70474	3.35619	2.36486	0.858862
F13A1	14.0787	4.35	6.09109	9.18052	13.4193	45.5029	19.4606	15.9621	0.780705	15.3619	31.6578	2.33196	10.9659	4.60903	13.0089
F13B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F2	0	0.0218748	0.0563381	0.0233934	0	0.00966454	0.0129593	0.0403484	0.0138233	0	0	0.00812137	0	0.0296605	0.048901
F2R	5.35356	5.89976	8.48542	5.83285	3.88475	9.25353	5.45729	6.08674	2.51838	6.34631	13.5865	3.81856	6.90156	8.08727	8.80426
F2RL1	2.81148	7.30878	8.82378	16.6718	4.60159	7.89863	4.99644	5.39247	15.8242	11.9318	16.7297	9.45038	15.0804	9.07375	4.14029

F2RL2	0.830153	0.439003	0.351756	0.459047	1.24758	1.61487	0.577953	1.16364	0.698682	1.41465	3.30667	1.46808	0.931875	2.0706	2.91751
F2RL3	0.246984	0.141514	0.242978	1.19007	0.611768	1.19361	0.442051	0.130513	0.26828	0.569712	0.467202	0.320013	0.900127	1.08152	1.13121
F3	5.93811	4.87868	7.05662	2.70089	2.10317	3.29396	7.15531	5.7414	8.63354	26.7402	14.0727	12.6842	17.5218	37.2933	7.95836
F5	2.79613	0.349863	0.542308	0.254631	0.493474	0.457281	0.73408	1.07107	0.00307066	0.180376	0.273239	0.0432975	0.510794	0.126503	0.231738
F7	0.0578938	0.0383544	0.0718408	0.0596613	0.134894	0.338909	0.0991519	0.0450198	0.00881352	0.0363313	0.0408468	0.0103561	0.0280146	0.0264756	0.155893
F8	1.17928	0.460371	0.565796	0.479376	0.222632	3.29932	0.493799	0.739666	0.128618	0.36924	0.638663	0.118745	0.402334	0.216837	0.386385
F8A1	2.01698	1.5265	1.59734	3.0174	1.96926	3.53519	2.10108	1.4743	0.745214	1.27429	2.72718	0.794571	2.3044	1.23182	1.36044
F8A2	5.14E-15	2.24E-21	3.83E-23	1.20E-17	0.184139	9.39E-20	5.29E-24	8.24E-31	1.53E-21	1.39E-17	8.68E-20	9.58E-23	4.41E-21	1.75E-23	1.91E-15
F8A3	5.14E-15	2.24E-21	3.83E-23	1.20E-17	0.184139	9.39E-20	5.29E-24	8.24E-31	1.53E-21	1.39E-17	8.68E-20	9.58E-23	4.41E-21	1.75E-23	1.91E-15
F9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FA2H	1.31592	0.679975	0.575866	0.216189	0.47399	0.787591	0.783901	0.923721	4.77309	0.287238	0.710462	0.327505	0.0246094	0.11961	0
FAAH	1.66807	2.38449	2.2207	2.36788	4.56443	2.4268	1.564	1.51189	0.699596	1.08146	1.05999	1.32792	0.841026	1.42606	1.15812
FAAH2	1.86186	3.82999	4.46917	2.35613	3.26674	1.90571	2.25799	2.82066	4.92279	0.908094	1.58997	2.18124	0.435692	0.640324	0.346356
FAAHP1	0.018266	0.0352034	0.0755547	0.0188237	0.170241	0.202193	0.0208556	0.0162333	0.0667379	0	0	0.0522793	0	0.0286399	0.0262323
FAAP100	2.77789	3.49382	3.47197	5.34741	10.7596	9.33335	4.32507	2.44738	3.0756	2.71677	3.78072	3.84624	4.36432	4.78292	4.40389
FAAP20	1.28354	1.1812	1.14095	2.28586	3.62124	3.27481	1.47648	0.86689	1.18148	1.34346	3.30547	1.26427	0.970013	1.39709	1.47847
FAAP24	0.43285	0.340638	0.226787	0.966474	0.71719	1.62169	0.280055	0.243631	0.0878605	0.488944	0.879541	0.299392	1.03331	0.399667	0.476581
FABP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FABP12	0.0370289	0.0356822	0	0.114478	0	0.0315296	0	0	0.045097	0	0.083602	0.0794855	0	0.0193529	0
FABP2	0.0308711	0.00495806	0.00851292	0.0424181	0.0159845	0	0	0.0365809	0	0	0	0.0147261	0	0.026891	0.0443348
FABP3	1.27614	0.789355	1.12705	0.515379	0.508967	1.3803	1.63427	1.01152	0.189024	0.584401	1.53795	0.259127	0.211404	0.414602	0.742989
FABP4	21.127	3.32657	5.25475	0.796884	7.12119	14.5796	3.37395	5.47324	0.739957	5.13	14.0916	0.0592821	1.49674	0.245376	10.1533
FABP5	320.14	307.688	51.2818	890.526	484.551	571.905	136.205	166.933	3221.99	1674.83	2758.7	1552.04	1101.62	908.177	229.699
FABP5P3	0.0270679	0	0.0447849	0	0	0	0.0927157	0	0	0.101919	0	0	0.0174641	0	0
FABP6	0.133466	0.10289	0.0441651	0.247574	0.248783	0.522766	0	0.094891	0.0975281	0.134011	0.241067	0.0572992	0	0.0697553	0
FABP7	0.177033	0.333435	0.39942	0.0221137	0.0833314	0.137038	0.208256	1.4446	0.0588017	0.00673317	0.024224	0.00767708	0	0.00560759	0

FABP9	0	0.0279466	0	0.418414	0	0	0	0.824767	0.0706407	0	0	0	0	0	0
FADD	3.42212	3.1412	3.37863	7.55516	6.13056	7.7952	2.95184	2.05343	2.72274	5.34538	8.57225	3.10993	7.30875	4.47791	2.92365
FADS1	1.18857	0.701352	0.977638	3.75188	1.28535	7.38055	1.40973	0.952818	0.369857	3.00719	6.37594	0.713927	4.55683	3.85244	6.90332
FADS2	2.04274	0.798934	0.87129	4.95736	3.08877	11.0172	1.86718	0.828891	0.439028	3.9544	6.88615	0.685425	4.3614	4.70455	10.6037
FADS3	3.08488	1.08833	1.5483	3.36528	4.27059	11.2213	2.57903	1.23887	0.628793	3.14283	6.11978	1.62547	4.43873	5.58568	6.61761
FADS6	1.6191	2.59386	1.44827	2.03352	9.76144	1.97319	1.72155	1.06121	9.4404	2.76879	4.71792	3.49002	1.27315	0.936124	0.188925
FAF1	11.3162	10.1405	10.7105	10.9045	7.5155	10.3069	10.1277	8.7908	10.6828	8.56901	8.93106	6.43659	8.95444	7.26296	5.18554
FAF2	6.65843	5.97666	6.05534	8.47281	4.06866	9.99485	6.54308	5.81724	10.0257	8.47282	8.4713	5.9196	13.7941	6.58224	6.11725
FAH	2.04772	1.37134	0.926914	5.60074	3.84098	6.46997	2.17627	0.97287	1.91355	2.37612	5.20477	1.92595	3.04951	2.41642	1.75707
FAHD1	2.05328	2.61651	1.99811	5.56682	4.44058	4.0405	2.09337	1.97208	6.10621	4.72669	7.7673	2.52425	4.02478	2.54049	1.88953
FAHD2A	2.50204	2.57108	2.53803	3.22305	3.97728	3.33828	3.69897	1.848	2.14285	2.53427	4.66137	1.61871	1.88925	2.28861	2.82262
FAHD2B	1.84904	1.62036	2.04818	1.09402	1.34566	2.74565	1.85721	1.21504	0.755051	0.147478	0.460295	0.323207	0.320441	0.552495	0.48955
FAHD2CP	1.26673	0.705575	1.43816	0.22394	0.81388	1.1102	1.42766	0.579369	0.0992452	0.471732	0.337303	0.09718	0.330493	0.201542	0.585147
FAIM	1.85871	1.17163	1.02896	2.67876	1.042	2.02296	0.861652	1.13023	1.56587	2.50828	3.54967	1.54995	2.5788	1.67264	1.144
FAIM2	1.24887	1.57482	0.633612	0.140765	5.00894	0.942931	0.902337	0.784726	13.2373	0.783728	3.04542	2.23748	0.412324	0.300859	0.420359
FALEC	0.204444	0.413718	0.405913	0.210685	0.635144	0.104449	0.233427	0.690432	2.09151	1.12903	0.0923167	0.643654	0	0.406035	0.293607
FAM102A	10.2638	12.3647	13.3922	11.0009	24.6823	19.4879	12.6938	12.5749	20.4821	11.8102	13.3939	15.7505	18.5409	9.45383	8.86098
FAM102B	2.30564	1.36982	1.77831	1.76862	0.841506	2.36915	2.08819	1.84492	0.712558	2.75238	4.26131	1.06675	3.08702	2.50972	4.5311
FAM104A	5.7442	5.67576	5.80965	5.48552	4.62916	6.67825	4.4074	5.20705	7.44913	5.20416	6.66905	4.55251	6.32775	5.14839	3.75518
FAM104B	1.33146	1.1753	1.1267	1.84344	0.394699	1.35874	0.963193	1.11103	2.06719	1.35221	2.91432	1.04724	1.35088	0.993357	0.919583
FAM106A	0.152507	0.486581	0.285914	0.0289993	1.38374	0.1483	0.350361	0.1973	0.0741402	0.283078	0.0881421	0.523526	0.0327307	0.501254	0.650839
FAM106B	0.180293	0.173862	0.275924	0.0415494	0.220645	0.0933435	0.146308	0.111683	3.83E-17	0.122314	0.0262195	0.187268	1.12E-28	0.332927	0.491813
FAM106CP	0.793245	0.843696	0.939676	0.143925	9.48E-27	0.0306237	0.292269	0.490855	1.29E-20	0.189214	0.0415874	0.0182122	3.95E-08	0.517195	0.267397
FAM107A	4.13229	1.00935	1.26197	1.33515	0.827723	2.68233	1.68803	2.36319	0.0954367	0.524549	0.931793	0.373803	1.12915	0.494197	1.51552
FAM107B	3.45898	2.54928	3.35933	3.74831	1.98025	3.62087	3.02308	2.78882	3.70777	3.51898	4.68972	1.96469	7.63848	2.93536	6.73433
FAM110A	5.91372	8.78403	8.25285	9.19193	31.1951	10.5532	12.1613	5.033	20.9305	6.49283	9.60197	6.14064	9.81628	5.24804	2.28353

FAM110B	0.699378	0.334418	0.302437	1.03195	0.930003	3.02718	0.520252	0.475579	0.051622	0.99084	2.37451	0.189554	0.964002	0.872277	3.81214
FAM110C	4.8587	6.11979	5.38182	15.9419	11.1304	11.208	1.74693	4.89409	11.2942	7.95253	10.9565	10.1246	9.47978	7.78292	2.24763
FAM110D	1.95896	0.790205	0.954766	2.08136	2.97217	4.0343	0.901606	0.607312	0.277418	1.10546	2.24571	0.282511	1.3129	1.15083	2.57342
FAM111A	2.38269	3.51353	3.41632	3.19316	1.40245	2.19258	1.75672	2.49736	1.76974	1.79699	2.76213	1.38378	2.15429	2.04664	3.15332
FAM111A-DT	0.752201	0.729808	0.784235	0.615884	0.368135	0.956347	0.705895	0.760068	0.451773	0.28452	0.604867	0.213813	0.265927	0.263884	0.651113
FAM111B	0.331451	0.325659	0.387105	1.8351	0.0706667	1.13997	0.111306	0.32922	0.348264	1.24801	1.40863	0.604529	3.81994	1.61003	0.821342
FAM114A1	3.91447	3.18614	3.68263	4.2444	3.63653	6.80657	3.63009	2.83797	3.46548	7.44836	9.73471	3.25316	7.98111	4.69479	8.57263
FAM114A2	1.58035	1.44961	1.49795	2.79186	1.23815	3.43277	1.0679	1.41267	2.14913	2.67742	3.74487	1.37473	2.83295	1.85177	2.58718
FAM117A	3.37197	3.2021	4.21673	2.28293	3.19751	4.10646	4.35363	2.07331	0.53721	1.34101	3.16473	0.820609	1.18898	1.09121	2.78729
FAM117B	2.78615	2.31783	2.45413	1.92102	0.977657	1.75453	2.2245	2.24095	1.23523	0.835231	1.02276	0.892083	0.843194	0.743795	0.788737
FAM118A	2.53586	3.31488	4.23611	1.4941	5.46576	3.1857	1.69878	2.48046	0.42986	1.10408	1.9677	0.644972	1.24373	1.75388	2.23031
FAM118B	1.71389	1.4864	1.50018	2.09666	1.15078	2.56093	1.64124	1.32663	2.46439	2.05396	3.90699	1.59028	2.36141	2.06891	2.46136
FAM120A	9.82109	9.07519	9.16344	17.1357	11.0927	17.7859	9.51587	8.71538	7.8347	12.3494	12.1564	8.91683	19.3453	13.278	12.3149
FAM120AOS	3.58791	3.8163	4.4705	3.33809	3.54135	5.12668	2.9574	3.00298	2.79662	3.43041	6.44448	2.11512	3.84355	2.94929	3.03012
FAM120B	6.04374	5.63988	5.69527	5.64221	4.11983	6.42561	4.9713	5.19782	3.70994	3.49705	4.12653	3.03117	4.39465	4.20303	5.26722
FAM120C	2.00422	1.19288	1.39719	1.35339	1.08175	2.56566	1.57461	1.39131	0.497531	0.609087	1.1328	0.790602	0.610289	0.803888	1.04344
FAM122A	2.99294	2.33721	2.55011	1.96387	1.60537	3.73366	2.46915	2.93596	2.99027	2.19689	3.2775	1.38067	2.8792	1.71099	2.8226
FAM122B	2.25028	2.22342	2.16574	2.93955	1.01418	3.54611	2.05544	2.80545	2.123	1.63096	2.08948	1.66456	2.20439	2.25611	2.05736
FAM122C	0.236241	0.250569	0.241746	0.155019	0.120097	0.303563	0.201073	0.206134	0.0993925	0.172513	0.174559	0.096653	0.0803678	0.175207	0.314598
FAM124A	0.421382	0.181843	0.269784	0.539976	0.216287	0.936003	0.405815	0.267027	0.0937141	0.280535	0.690781	0.110117	0.328613	0.543879	0.873533
FAM124B	0.660211	0.382579	0.450223	0.707948	1.31656	0.904015	0.346344	0.491593	0.673673	0.358327	0.946727	0.293653	0.598652	0.489605	1.15315
FAM126A	3.45694	2.39378	2.75289	3.62907	1.22117	4.91201	2.64773	2.54902	2.35645	6.56002	6.84032	3.20811	7.88162	6.68652	8.34123
FAM126B	2.6042	2.4244	2.83492	2.16098	0.884031	1.63344	2.10113	3.30881	3.38437	3.27239	3.08933	2.69179	3.46372	2.41026	2.0304
FAM129A	7.88371	4.82412	5.61263	4.78429	5.14296	7.98816	6.86288	5.81701	11.4538	4.42227	4.0225	3.3694	5.89429	2.69369	6.33346
FAM129B	29.9784	29.9191	29.8709	100.058	87.4437	108.865	34.053	18.0048	49.0707	69.7314	37.9017	53.6068	188.612	69.1895	39.3989
FAM129C	0.0332635	0.0240403	0.0206384	0.0257092	0.103339	0.0354042	0.0189896	0	0	0.0104373	0.0469379	0.0178507	0.0375575	0.00434623	0.131369

FAM131A	2.68146	4.182	5.42628	2.55076	5.26742	3.60399	3.98479	2.53703	8.75212	4.60816	5.36484	3.55394	3.84873	2.84602	1.80104
FAM131B	0.0468905	0.0602468	0.0732721	0.0590602	0.194232	0.173015	0.107076	0.0370421	0.0824884	0.111166	0.0999855	0.0372793	0.151267	0.059906	0.269363
FAM131C	0.12245	0.445765	0.562774	0.112167	0.380414	0.347549	0.341756	0.32647	1.09362	0.290298	0.798667	0.301789	0.412577	0.241769	0
FAM133A	0.0541992	0	0.0112093	0	0	0.0115375	0	0	0	0	0.015296	0.00484762	0	0	0.0389184
FAM133B	3.02267	2.30674	2.27528	2.73219	0.67819	2.32096	0.815275	2.13845	1.36654	1.2652	1.95326	1.86741	1.71819	3.07457	1.83618
FAM133CP	0.482479	0.284893	0.329463	0.482655	0.0142712	0.312918	0.266838	0.510707	0.0113184	0.197564	0.176953	0.153232	0.0711319	0.846553	2.131
FAM133DP	1.72653	1.87056	1.82466	1.58472	0.596279	1.52791	1.25686	2.67127	1.39885	2.82671	3.39045	1.70406	1.38942	1.59205	2.6453
FAM135A	3.85661	4.74031	5.25738	5.52348	1.7929	3.1073	3.78782	5.53732	8.81722	4.84044	3.17549	4.54477	3.48489	4.09809	2.38217
FAM135B	0.00655054	0.0063123	0.0270953	0.00337526	0	0.0167331	0.321606	0.0291079	0	0	0	0	0.00211319	0.0051354	0.0094074
FAM136A	3.88663	3.52233	3.54239	6.11196	1.7772	5.58735	2.9392	2.86347	4.7232	5.16319	6.22987	3.98488	7.8648	5.32892	2.58545
FAM138A	0.0204806	1.53E-15	1.01E-13	0	0.0159067	0.00871947	0.0311787	4.04E-18	0.00415717	0.0031387	0.00282304	0.0097696	0	1.07E-06	0
FAM138B	0.0204806	0.0443856	0.0847145	0	0.0159067	1.04E-26	0.0311787	0.0364029	0	0.0031387	0.00282304	0	0	0.0374633	0
FAM138C	0.0204806	1.53E-15	1.34E-22	0	1.87E-11	0.00871947	0.0311787	4.04E-18	0.00415717	0.0031387	0.00282304	0.0097696	0	1.07E-06	0
FAM138D	2.55E-26	0.0148742	1.60E-22	0	2.23E-11	0	2.84E-17	4.82E-18	0	0.0037476	0.00337069	0	0	0	0
FAM138E	1.46E-17	1.08E-22	4.08E-07	0	0.0159067	0.00871947	2.13E-32	4.04E-18	0.00415717	0.0031387	0.00282304	0.0097696	0	0.0374597	0
FAM138F	0.0204806	1.53E-15	1.01E-13	0	0.0159067	0.00871947	0.0311787	4.04E-18	0.00415717	0.0031387	0.00282304	0.0097696	0	1.07E-06	0
FAM13A	3.88211	2.81384	3.05939	1.5325	1.62588	3.9256	2.32324	2.74737	0.722959	1.63051	1.96614	0.946754	0.757464	1.18577	2.02623
FAM13A-AS1	2.58522	2.5334	3.17539	0.811606	0.341744	0.456485	1.71969	2.88163	0.537603	2.15503	0.466268	0.967982	0.21414	1.03444	0.858086
FAM13B	4.37404	3.74118	3.92568	4.20448	1.57655	5.192	2.51466	3.69399	1.50025	3.3898	4.19856	1.76641	2.91935	3.4104	4.37381
FAM13C	1.45971	1.36163	1.09905	0.519953	1.54069	1.97035	1.12828	1.08715	0.428926	1.25564	2.19913	0.496201	0.312847	0.688865	2.87768
FAM149A	0.98984	0.363029	0.439987	0.12941	0.436026	1.71083	0.860277	0.551446	0.071971	0.120527	0.483653	0.0158565	0.0571916	0.077214	0.424339
FAM149B1	1.90368	1.94868	1.95446	2.62642	1.43475	2.24121	1.50874	1.69381	2.38877	2.33959	2.80364	1.19815	1.90885	1.66458	2.30305
FAM151A	0.0330386	0.0575795	0.0559608	0.0746533	0.0303568	0.155261	0.108831	0.014201	9.16E-18	0.0622868	2.11E-30	0.0388975	0.10116	0.145723	0.151021
FAM151B	0.285046	0.333539	0.348101	0.335713	0.189761	0.288944	0.201473	0.325704	0.297561	0.851815	0.658887	0.446766	0.33279	0.297955	0.487336
FAM153A	0.0920386	0.132444	0.218718	9.15E-20	0.00029283	0.0293383	0.112679	0.251953	0	0	0	0	0	0.0210794	0

FAM153B	1.05E-05	0.141136	0.253067	0.0265882	0.0391405	0.0922379	0.250258	0.435828	0	0	0	0	0	1.23E-06	0
FAM153C	0.234739	0.267871	0.403192	0.0465509	0.0233892	0.00679566	0.554791	0.600132	0	0.00944922	0	0.0107739	0	0.0354132	0
FAM155A	0.119943	0.054901	0.0347289	0.135966	0.149051	0.0765976	0.0273895	0.0373085	0.0292155	0.210758	0.352043	0.0686581	0.263115	0.592398	0.585662
FAM155A-IT1	0.0256149	0.0308541	0	0.0527938	0.0198944	0.0327161	0.0584925	0.0910575	0	0.0160747	0	0.0366563	0.0247899	0.575661	1.03001
FAM155B	0.0575841	0.0166469	0.0142913	0.284842	0.089448	0.225548	0.0131495	0.025588	0.0841572	1.33707	0.169014	0.222496	4.78902	0.306979	0.206745
FAM156A	0.893748	0.725857	0.819003	0.571202	1.57017	0.784976	0.269513	0.421987	0.306049	0.290019	0.532343	0.353311	0.222087	0.460761	0.54425
FAM156B	2.62522	3.89805	3.77534	1.75695	4.76506	2.57163	3.59088	2.57546	1.19431	1.39472	0.899276	2.34393	0.925039	2.21812	2.50933
FAM157A	0.126618	0.0979506	0.0718604	0.207154	0.159647	0.107412	0.201554	0.151747	0.0954526	0.0345086	0.0737785	0.3007	0.0775223	0.11042	0.112393
FAM157B	1.87753	1.68733	1.56297	2.20295	1.97447	1.48927	2.39117	2.56682	0.827732	0.910722	0.337612	2.68555	0.474123	1.44337	1.85084
FAM157C	0.373058	0.152388	0.198256	1.24032	1.39772	0.727256	0.596757	0.297386	0.300121	0.198081	0.203526	0.307987	0.303763	0.252241	0.892763
FAM160A1	7.25329	10.8289	11.731	7.96298	8.45715	6.31685	9.6883	8.98041	16.3013	8.2937	5.09676	11.1675	10.1299	6.00516	1.94316
FAM160A2	4.77179	5.59133	6.04747	4.44621	10.0477	5.82939	5.62227	4.12296	4.00346	3.67661	3.32929	4.41961	4.04078	4.56874	3.79761
FAM160B1	3.92744	2.45474	2.59178	3.16262	1.16399	4.26442	2.82039	3.36321	1.95822	2.50485	4.15731	1.53847	3.50581	2.43645	3.21764
FAM160B2	4.38252	5.90153	6.1076	9.17738	13.5279	11.0612	6.088	4.509	5.67956	6.62178	4.95365	6.68976	9.43616	7.03009	8.1255
FAM161A	0.462539	0.355735	0.368202	0.346004	0.195578	0.398303	0.34228	0.23445	0.119386	0.308529	0.365488	0.163797	0.154733	0.291953	0.344418
FAM161B	0.7916	0.735587	0.778209	0.677325	0.839747	1.51682	0.690727	0.629154	0.305684	0.535987	0.58848	0.359188	0.511654	0.514634	0.731608
FAM162A	16.8464	19.0679	14.3706	21.3166	15.5722	40.141	13.685	12.3209	138.708	80.8322	160.682	54.6186	43.548	37.196	12.771
FAM162B	0.58081	0.312133	0.332645	0.207188	0.451099	1.2554	0.48461	0.238235	0.326475	0.700939	1.23567	0.0639362	0.115303	0.280206	0.705791
FAM163A	0	0.00241828	0	0	0	0	0.00573064	0	0	0	0.0169978	0	0.0032383	0	0
FAM163B	0.0204625	0.0197183	0	0.0210872	0	0.034847	0	0	0	0	0	0	0	0.0106946	0
FAM166A	0.176495	0.425683	0.58993	0.503961	0.161805	0.413849	0.658583	0.237706	1.18614	0.695745	0.751723	0.780681	1.85181	0.590668	0.283373
FAM166B	0.208872	0.543444	0.57022	0.129149	0.227116	0.213422	0.357725	0.297005	0	0.0262156	0.0471582	0.0896722	0	0.251081	0.0299967
FAM167A	3.60179	5.25795	5.36993	2.32494	3.07408	2.39284	5.64245	3.63815	4.60694	2.85998	4.03406	1.6426	5.84795	4.06929	3.62165
FAM167A-AS1	0.170448	0.155124	0.172341	0.0585505	0.147091	0.0322521	0.0864942	0.201973	0	0.02377	0.0855176	0.0406534	0.0366574	0.0494909	0.32638
FAM167B	0.169457	0.151631	0.140187	1.89599	0.902489	0.783293	0.221121	0.0645427	0.117932	0.364606	1.50304	0.329111	0.687237	0.759136	0.591023
FAM168A	4.91062	3.70322	4.04931	3.73499	4.45368	6.8196	5.1871	3.86291	1.85589	3.53096	4.49911	2.44823	4.19033	3.95066	6.52895

FAM168B	10.3373	8.42894	9.41727	11.4914	9.30474	17.7403	8.91855	8.04036	8.99894	10.3145	10.1256	7.13623	20.4646	10.3848	8.98648
FAM169A	0.28682	0.13281	0.199698	0.134353	0.0854274	0.263254	0.0765543	0.291317	0.081658	0.350639	0.412089	0.155978	0.523207	0.467533	0.197931
FAM169B	0	0	0	0	0.0109003	0.0179254	0	0	0	0	0	0	0	0	0
FAM170A	0	0.0162192	0	0.0693806	0	0.0143316	0	0.0149583	0	0.0633751	0	0	0	0	0
FAM170B	0	0.00790268	0	0.0169026	0	0	0	0	0	0	0	0	0	0.00857234	0
FAM170B-AS1	0.0231431	0.00557534	0.00957278	0	0	0.009853	0	0	0	0.0145235	0.0130628	0.0165595	0	0.00604778	0.0664727
FAM171A1	3.03496	1.56956	1.56557	3.508	4.26839	5.11358	2.1875	1.72872	1.18451	1.53691	3.07555	1.16545	2.13203	1.80056	3.84532
FAM171A2	0.114222	0.402169	0.348894	0.398399	0.846184	0.351626	0.310988	0.124936	0.331722	0.485218	0.406663	0.125736	0.527204	0.404104	0.378546
FAM171B	0.79422	0.818657	1.06634	0.872137	0.788758	1.82925	1.04804	1.05876	0.935557	2.15707	3.15271	0.549653	1.30207	1.02072	2.68322
FAM172A	3.78035	2.79947	2.80288	2.76392	1.54612	3.24398	2.42406	3.44682	2.05421	2.36314	2.94466	1.61736	2.14169	1.88096	2.85888
FAM172BP	0	0	0.00834229	0	0	0	0.0115137	0	0	0	0.0341511	0	0.0260249	0	0.0579283
FAM173A	1.69469	1.69684	1.46768	5.53944	10.4886	5.65928	2.4489	1.17664	5.67582	4.08784	9.53552	2.61465	4.52737	2.96161	2.77603
FAM173B	0.834897	1.03762	1.00698	1.39913	0.848429	1.19592	0.614719	0.804398	0.893274	1.07726	1.9995	1.01612	1.08741	0.909411	1.26625
FAM174A	6.02915	6.0979	6.8811	6.98766	14.5123	9.04586	4.50475	5.02427	17.9514	8.23174	17.2178	7.01486	8.4742	6.27541	5.61706
FAM174B	1.57573	1.46329	1.73322	1.99578	2.05111	2.25618	1.40714	1.43168	0.686147	0.629773	1.96762	0.592085	1.69253	0.814346	1.27686
FAM177A1	3.99656	3.97041	4.38688	4.87037	2.71777	5.11839	2.64896	3.4386	6.92486	6.65888	8.01861	3.92671	9.40193	4.37477	3.24525
FAM177B	0.0215987	0.0208132	0.053604	0	0.0335503	0	0	0.0383903	0	0.0135543	0.0121911	0.0154545	0	0.00564422	0
FAM178B	0.038482	0.103831	0.038202	0.0951763	0.466251	0.196601	0.263625	0.0410395	0.731121	0.173876	0.330154	0.170716	0.158901	0.100562	0
FAM180A	1.83757	0.903941	1.09494	0.662121	0.958112	1.59749	1.71661	1.43893	0.1252	0.580616	1.46512	0.229865	0.795919	0.839504	1.67935
FAM180B	1.20416	1.62134	2.40172	0.067996	0.768692	0.154502	3.1641	1.21676	0	0.0207034	0	0.0236058	0	0.0258637	0.189516
FAM181A	0.0109217	0	0	0	0.0169651	0	0.01247	0.00970628	0.0266028	0	0	0.00781476	0	0.0171244	0
FAM181A-AS1	0	0.00464999	0	0	0	0	0.0110192	0	0	0	0	0	0	0	0
FAM181B	0.29846	0.113844	0.0617267	1.37126	0.753367	1.24949	0.127789	0.132623	5.40692	0.764803	2.54097	1.33472	0.657929	0.662949	0.321469
FAM182A	0.0926849	1.57597	1.43571	0.327799	1.08023	0.487675	1.29894	0.224322	0.344433	0.258227	0.417857	0.399774	0.218528	0.10529	0.0303881
FAM182B	0.719904	0.849436	1.00864	0.18774	0.61796	0.298075	0.633066	0.627849	0.188142	0.114339	0.155572	0.1868	0.180041	0.165929	0.0975251
FAM183A	0.134292	1.38035	0.851737	0.276784	0.556273	0.228696	0.357772	0.278478	0.218071	0.561836	0.202132	0.16015	0.144408	0.210561	0

FAM183BP	0.463704	0.0947841	0.0813716	0	0.0873082	0.0358944	0.192524	0.262246	0	0.0176363	0	0.0100543	0.0181321	0.007344	0
FAM184A	0.52838	0.332296	0.326685	0.103171	0.146872	0.317304	0.15876	0.326235	0.0406426	0.027923	0.138131	0.0955125	0.0574161	0.0552309	0.175727
FAM184B	0.55418	0.507904	0.513273	0.15519	0.411703	0.282101	0.440171	0.347969	0.146724	0.128526	0.0612001	0.137924	0.0544104	0.317973	0.198968
FAM185A	1.91634	1.94742	2.15119	1.1185	1.64203	0.746075	1.33604	1.58753	0.516346	1.20615	0.938072	1.41164	0.612735	1.06361	0.828067
FAM185BP	1.62688	1.81829	1.82024	0.597786	0.745704	0.420122	1.03534	2.31689	0.186767	0.21758	0.278493	0.481852	0.0817355	0.512258	0.411744
FAM186A	0.0636848	0.078245	0.108003	0.036096	0.148387	0.0813401	0.021814	0.0481081	0	0	0.00359461	0.0136705	0	0.014978	0.0411567
FAM186B	0.556257	0.628673	0.687422	0.283081	0.57604	0.461951	0.556707	0.488252	0.0334548	0.0861926	0.0852765	0.250603	0.106339	0.380454	0.433946
FAM187A	0.0148258	0.0285732	0.0367948	0.076392	0.276355	0.214607	0	0.0131759	0.0180561	0.0744315	0.0167365	0.0530412	0.0765242	0.0232458	0.12775
FAM187B	0	0.00945774	0.0649553	0	0.0914737	0.0334283	0	0	0	0	0	0	0	0	0.0281903
FAM189A1	0.0835844	0.0497481	0.0569445	0.0152005	0.14511	0.167461	0.0673652	0.0611741	0.00598803	0.06171	0.044403	0	0	0.0154182	0.0988547
FAM189A2	3.23812	2.9024	3.32881	0.744277	2.28073	1.78408	2.85444	2.34877	0.444629	0.498061	0.313579	1.15848	0.645199	0.489464	0.421723
FAM189B	2.04395	2.6995	2.68625	6.13235	6.78898	9.5105	3.07025	1.73276	2.9395	2.85647	5.67841	3.61477	6.15419	4.06845	2.53983
FAM192A	5.24839	5.17125	5.26553	4.95747	4.5156	7.89908	4.29637	4.15287	4.45099	4.21659	5.59714	3.79055	3.81151	3.97445	3.96293
FAM193A	3.13405	4.11243	4.24763	4.1322	4.08795	5.958	4.01991	3.13294	2.20894	2.79533	2.19303	2.62739	3.56232	3.83127	4.76265
FAM193B	6.74027	9.75219	9.87545	6.58185	18.8599	9.93138	6.4909	6.22911	5.86875	5.88561	4.70925	9.08651	3.25679	6.77758	7.0133
FAM197Y2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM197Y3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM197Y4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM197Y5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM197Y6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM197Y7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM197Y8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM197Y9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM198A	1.41568	0.691842	0.641346	1.26438	1.45556	2.49697	0.908252	0.437354	0.188835	0.177683	0.312016	0.12059	0.356658	0.225493	0.638974
FAM198B	4.39556	1.96026	2.1067	4.32034	3.32753	7.03108	2.5733	3.75036	1.00932	10.119	21.8675	1.11581	5.43738	4.3603	9.1361
FAM198B-AS1	0.441695	0.410871	0.470418	0.201127	0.439196	0.823973	0.303139	0.495338	0.172989	0.106881	0.403721	0.554984	0.0763681	0.219319	0.111987

FAM199X	2.83161	2.5027	2.72033	2.53525	1.25805	2.70922	2.1484	3.46627	2.51412	3.27117	3.25152	1.99341	3.92301	2.51587	2.10761
FAM19A1	0.0208308	0.0150549	0.0172327	0	0	0.0354744	0	0	0	0	0.0117577	0	0	0	0
FAM19A2	0.27418	0.14828	0.152757	0.0461307	0.208602	0.214403	0.121387	0.183995	0.0136294	0.00702295	0.0189499	0.0600561	0.0072204	0.0292446	0.0482152
FAM19A3	0.102132	0.00984173	0.0675925	0	0.158646	0.0173928	0.0699664	0.145226	0.074631	0.0512743	0.0230588	0.073078	0	0.0106757	0.0586696
FAM19A4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM19A5	0.513221	0.710922	1.03489	0.537153	1.14599	0.928627	1.65722	0.406221	0.146495	0.875635	1.19493	0.344272	1.23138	0.913664	1.17467
FAM200A	0.492999	0.775348	0.677174	1.13113	0.491267	1.22767	0.382341	0.793606	1.00825	1.05073	1.95312	0.705508	0.642163	0.802158	0.480912
FAM200B	1.11889	0.867133	0.829568	1.03339	0.295136	1.17292	0.566444	1.08349	0.835606	0.94063	1.43587	0.524918	0.721901	0.893721	0.598785
FAM201A	0.0938051	0.25181	0.354753	0.0690492	0.228975	0.0570527	0.275409	0.202461	0	0.0672771	0	0.0383543	0.00864608	0	0.0769805
FAM201B	0.0715617	0.0413754	0.0710411	0	0.289016	0.0121868	0.0980482	0.0254392	0	0.0179635	0	0.0204817	0	0	0
FAM204A	4.74409	3.17266	3.28782	3.64728	2.4304	6.32647	2.7513	3.36844	3.95373	5.2717	7.93403	2.99339	5.75454	3.96191	2.992
FAM205A	0.0906219	0.209293	0.341553	0.294828	0.239667	0.456088	0.166002	0.138069	0.00015207	0.0507423	0.0364713	0.0413764	0.055586	0.067152	0.039982
FAM205BP	0.0648239	0.0679022	0.110328	0.0889717	0.0665381	0.088482	0.0474116	0.0441142	0.0136873	0.0165458	5.30E-34	0.0250169	4.02E-16	0.114717	0.096671
FAM205C	0.0337117	0.0487284	0.0278887	0	0.0261829	0.028705	0.0577363	0	0	0.0211558	0	0.0120608	0	0.00880959	0.193657
FAM206A	3.02761	3.55351	3.29612	5.40391	0.790091	4.76409	1.64545	2.52925	4.08552	3.90636	4.53883	3.33616	5.95396	3.82931	1.73921
FAM207A	3.1398	2.82526	2.85549	7.82129	9.3668	8.72869	3.41873	1.84795	4.78624	3.49712	7.44098	3.48151	6.56032	4.42309	2.09035
FAM208A	4.98887	5.07716	5.03953	5.75244	2.69148	5.91765	3.27304	4.87831	3.04388	4.8133	5.82241	3.08472	4.95086	4.72693	4.83469
FAM208B	4.41274	4.09182	3.94218	5.80087	2.62961	4.45598	3.43342	4.20405	3.35227	3.7469	3.59854	3.5871	5.45265	5.54623	4.88732
FAM209A	0.594584	0.163784	0.161127	0.0792995	0.212089	0.110476	0.338786	0.45724	0	0.0856841	2.03E-43	0.111792	0.0609153	0.124881	0.0490212
FAM209B	0.074319	0.177917	0.209302	0.232487	0.103899	0.318912	0.164473	0.0998176	0	0	0.264277	0.0819087	0.177672	0.0873957	0
FAM20A	3.00298	2.4983	1.76798	13.5392	6.59274	20.4995	2.09152	2.10391	1.40196	3.12831	7.41844	3.78532	7.28175	5.23943	8.18686
FAM20B	4.44343	3.7732	3.69799	4.91285	3.30308	5.58759	4.06826	3.89813	5.16559	4.496	4.53421	3.23666	6.86225	4.1925	3.79813
FAM20C	3.9543	2.60316	2.7341	16.3172	10.1252	20.8756	4.27726	2.13814	2.3319	6.51988	8.26058	2.38266	14.9533	7.63587	16.7138
FAM210A	1.08747	0.824092	0.807923	1.93669	0.377204	1.58223	0.699175	0.966454	1.96734	1.84855	2.43736	1.51845	2.55788	2.18513	0.947661
FAM210B	13.9026	13.1249	9.94837	14.4922	9.90883	21.3693	8.05004	12.8912	30.0721	12.1532	18.9159	12.8632	8.35451	8.11556	7.3749

FAM213B	0.604301	0.731666	0.307169	1.4382	1.61286	2.96096	0.949176	0.568692	0.512031	1.5989	1.89272	0.513114	2.39612	2.30382	1.68548
FAM214A	5.6488	4.44487	3.9684	8.26985	1.71776	3.5968	2.91199	5.17508	12.1395	5.48923	8.23804	5.32142	4.16203	3.46775	3.12619
FAM214B	3.74413	4.27485	3.25773	5.42747	6.79423	7.46043	3.31091	2.4664	15.0451	15.3227	10.9924	9.59686	17.2093	7.45123	4.71112
FAM215A	0.148353	0.0571829	0.270002	0.275188	0.0921773	0.0757923	0.203261	0.0791062	0.0722709	0.111719	0	0	0	0.170579	0.213054
FAM216A	0.678709	0.46792	0.56394	0.674249	0.330893	0.816159	0.486437	0.523642	0.239644	0.878119	1.11147	0.304842	0.863239	0.497155	0.752021
FAM216B	0.00699397	0.0067396	0	0.158565	0	0.0297764	0.00798549	0.00621566	0	0.0438908	0.205278	0	0.0135374	0.0913839	0.160708
FAM217A	0.0203904	0.103156	0.109644	0	0	0.0347242	0.0465621	0.0453031	0	0	0	0	0	0.00532844	0
FAM217B	1.58652	1.08283	1.09252	1.86295	0.634879	1.77915	1.18528	1.46976	1.82562	1.29671	1.77757	1.04141	1.95083	0.997279	0.956106
FAM218A	0.328496	0.301232	0.201625	0.076441	0.0658409	0.207527	0.21778	0.442618	0.0903386	0.0265997	0.0358868	0.0303287	0.0273476	0.0664592	0.0913086
FAM219A	3.40321	4.26142	4.72729	3.48094	5.94715	7.28224	4.45839	3.35175	6.56503	5.64205	4.60155	3.92067	5.63682	4.98429	5.70809
FAM219B	6.91366	8.49171	7.79112	8.41499	11.3735	10.3195	7.00805	6.14425	16.1275	8.29303	10.5624	7.52747	7.79292	7.66422	4.54423
FAM21EP	0.330992	0.295525	0.174286	0.341063	0.507841	0.357799	0.344803	0.247383	0.257073	0.177525	0.325561	0.238723	0.112452	0.160244	0.19219
FAM220A	2.39375	2.96646	2.81044	2.83308	3.491	5.12677	1.9812	2.45251	10.7319	4.63124	9.38115	2.67016	4.12074	3.10857	1.96656
FAM221A	0.730997	0.899247	0.849198	0.288503	0.193275	0.715137	0.72808	0.649649	0.303071	0.175687	0.421381	0.289346	0.0903132	0.219476	0.245699
FAM221B	0.0295098	0.00355457	0.0305157	0.00760267	0.0114597	0	0.0421167	0.0786775	0.0089849	0	0	0.00527876	0	0	0.0211899
FAM222A	0.36852	0.752848	1.1402	0.349389	0.457951	0.74682	0.74896	0.524016	0.987395	0.7678	0.341131	0.353339	0.361406	0.211865	0.497487
FAM222A-AS1	0	0.0385392	0.110285	0	0.0414161	0.0227028	0.0913271	0.0473908	0	0	0	0.0381555	0.0172025	0.013935	0
FAM222B	1.74159	2.16006	1.93157	2.54915	2.31882	4.17994	2.69321	2.26214	3.08254	2.70232	2.679	2.49915	4.21066	2.17306	2.28813
FAM223A	0.0407448	0.125641	0.195501	0.0671819	0.0253163	0.0555099	0.120955	0.123116	0.0396981	0	0	0.029154	0.015773	0.021295	0.0117029
FAM223B	0.0407448	0.125641	0.195501	0.0671819	0.0253163	0.0555099	0.120955	0.123116	0.0396981	0	0	0.029154	0.015773	0.021295	0.0117029
FAM224A	0.126257	0.108258	1.72E-21	0.0440998	0.177261	0.024292	0	4.52E-05	0.121608	0	0	0.00011635	0	0.0223657	0.0409711
FAM224B	0.200031	0.206091	0.207203	0.0335725	0.134946	0.0184931	0	0.15577	0.092578	0	0	0.143256	0	0.0170267	0.0311907
FAM225A	0.303449	0.0180864	0.0541142	0.195173	0.177882	0.647339	0.188357	0.209477	0.0123498	0.400111	0.739013	0.0421512	0.30878	0.523731	0.558561
FAM225B	0.15117	0.106761	0.107503	0.0555342	0.398071	0.184655	0.0939445	0.0244712	0.0119315	0.265553	0.647424	0.00065980	0.272656	0.130782	0.775629

FAM226A	0.0400597	0.0137867	0.0473431	0.011795	0.017779	0.0389832	0.0588071	0.0305158	0.00696974	0	0	0.0204741	0	0.011964	0.024656
FAM226B	0.0400597	0.0137867	0.0473431	0.011795	0.017779	0.0389832	0.0588071	0.0305158	0.00696974	0	0	0.0204741	0	0.011964	0.024656
FAM227A	0.098272	0.416455	0.639294	0.0598426	0.135304	0.0817755	0.178506	0.119094	0.0190407	0.0224257	0.0529471	0.0894934	0.00432304	0.123734	0.269432
FAM227B	0.184211	0.171891	0.0842304	0.169263	0.0158157	0.147733	0.187183	0.158955	0.0868013	0.166691	0.208363	0.10292	0.133008	0.0489156	0.146224
FAM228A	0.164046	0.145919	0.156589	0.0520165	0.25482	0.257876	0.144078	0.168219	0.076842	0.063352	0.256413	0.0451458	0.0244249	0.112118	0.163101
FAM228B	1.65511	1.0587	1.00331	1.02927	0.243798	1.59154	0.48873	0.862268	0.382296	0.877496	1.28856	0.326697	0.810109	0.387774	0.327855
FAM229A	1.45679	1.34	1.53384	0.921229	3.24005	0.902135	0.907261	1.14755	0.362905	0.290885	0.560636	1.08975	0.299063	0.986334	1.14116
FAM229B	1.04841	0.496792	0.508924	0.464312	0.403772	1.44604	0.554003	0.408118	0.0844197	0.750369	1.9269	0.204591	0.178891	0.262652	1.19457
FAM230A	0	0	0	0	0	0.00379137	0	0	0	0	0	0	0	0	0
FAM230B	0.0563781	0.0741602	0.0461672	0.0288377	0.0108428	0.0415238	0.0478595	0.0681805	0.0424227	0.0620154	0.00794583	0.0551174	0	0.0953178	0.0500526
FAM230C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM234A	5.39871	4.82034	4.82369	7.16307	10.702	13.0976	6.76484	4.28323	8.01355	4.41719	6.89798	5.245	5.8499	4.4979	6.02502
FAM234B	1.14954	1.82728	2.29617	1.19476	1.44224	1.48077	1.9351	1.82057	0.873509	0.616576	1.13686	0.706528	0.735337	0.759985	0.536184
FAM236A	0.0124425	0	0	0	0	0.0105946	0	0	0	0	0	0	0	0	0
FAM236B	0.0124425	0	0	0	0	0.0105946	0	0	0	0	0	0	0	0	0
FAM236C	0	0	0.0206756	0	0	0	0	0	0	0	0	0	0	0	0
FAM236D	0	0	0.0206756	0	0	0	0	0	0	0	0	0	0	0	0
FAM237A	0.0207375	0.00999164	0	0.0213706	0	0	0	0	0	0	0	0.0296765	0.0401392	0	0
FAM238A	0.145455	0.0617766	0.0530348	0.0220218	0	0.121408	0.0243989	0.0759653	0	0	0	0.0152904	0.0137874	0.0335057	0
FAM238B	0.034856	0.0328821	0.0376387	0.0117216	0.0117789	0.0591686	0.0822503	0.057282	0.00923514	0.028552	0.00856016	0.0352676	0	0.0356685	0.0326701
FAM238C	0.824711	0.924089	0.63466	0.823535	1.83718	0.811104	1.2555	0.687481	0.093433	0.866593	0.202077	1.13904	0.255738	1.10263	0.615148
FAM239A	0.0203498	0.0417617	0.00023097 9	3.89E-07	0.0648384	0.0614057	0.00034404 6	3.60E-06	0.00393801	0.0116165	0.0891141	0.00454242	2.81E-05	1.55E-06	3.05E-07
FAM239B	0.0253564	0.612974	1.00599	0.0625737	1.93E-05	0.6285	0.58421	0.0185003	0.0133182	0.32445	0.595352	0.764208	0.484656	0.0190404	0.505771
FAM240A	0	0.0122132	0	0	0	0.0539595	0	0	0.0154357	0	0	0	0.00817732	0	0
FAM241A	3.08178	1.88163	2.17723	2.38846	0.791251	2.66024	1.37645	3.07835	2.96745	3.55894	4.07314	2.17472	5.54327	2.56021	1.85324

FAM241B	0.451677	0.352345	0.338072	0.465466	0.16705	1.22705	0.466595	0.248494	0.0261948	0.269953	0.291364	0.107729	0.166525	0.191101	0
FAM242B	0.0643757	0.0465258	0.026628	0	0	0	0.036751	0.0286059	0	0	0.0363361	0.0230313	0	0	0
FAM242F	0.0678682	0.228899	0.505308	0.0699401	0	0	0.0774897	0.301578	0	0	0	0.194246	0	0.0354709	0
FAM243A	0.276946	0.278477	0.318761	0.124087	0.130928	0.399862	0.384949	0.363839	0.0439942	0.0906771	0.0815576	0.103389	0.0466133	0.144744	0.380437
FAM243B	0.276946	0.278477	0.318761	0.124087	0.130928	0.399862	0.384949	0.363839	0.0439942	0.0906771	0.0815576	0.103389	0.0466133	0.144744	0.380437
FAM24A	0	0	0	0	0	0	0	0	0	0.0974728	0	0	0	0	0
FAM24B	0.719185	0.8093	0.490353	0.339022	0.414648	0.637894	0.205366	0.346213	0.0730198	0.150502	0.602612	0.25739	0.309467	0.501351	0.215261
FAM24B-CUZD1	0.00085641						0.00069440		0.00079400						
	2	0.10266	0.118444	0.00196531	0.00834216		1.37E-05		4.38E-05	3.38E-05	0.0643203	4.05E-05	5.85E-07	8.49E-05	1.74E-06
						8		9							
FAM25A	15.747	30.5489	29.6445	157.116	71.0256	26.6914	30.9577	17.9804	758.089	376.572	530.157	269.592	336.321	137.923	31.6401
FAM25BP	1.72419	2.84711	1.07722	0.777789	7.79674	0.252339	1.32222	0.820627	24.137	12.6514	4.03653	6.41305	4.65307	1.20841	0.374895
FAM25C	3.54348	4.22521	4.87439	2.57097	9.7709	1.88865	4.99017	3.42038	51.0241	129.057	53.7151	23.4659	92.1871	4.82598	3.85394
FAM25E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM25G	1.69E-10	1.29E-08	2.63E-15	1.14E-09	0.00279235	1.53E-13	8.91E-08	6.99E-12	4.73E-10	2.27E-08	9.29E-09	6.87E-08	2.57E-09	7.13E-12	6.93E-14
FAM27B	0.822321	1.7274	2.27677	0.915971	1.46572	0.336376	2.63112	1.49164	0.521152	0.0619778	0.222978	1.03519	0.297294	1.56143	0.283667
FAM27C	0.00068946							0.00046440							
	1	0.00151001	0.119833	1.64E-05	0.73316	1.49E-16	3.05E-06		6.14E-05	0.0619778	0.148652	0.00124483	6.68E-05	0.00428852	2.22E-10
								2							
FAM27E2	0.0887918	0.123344	0.212248	0.0251398	0.0685942	0.0562675	0.244744	0.126127	1.22E-20	0.0164246	0.0304542	0.0310245	0	0.0725437	0.0768007
FAM27E3	0.375169	0.679112	0.873921	0.225861	0.960181	0.155616	1.52967	0.672236	0.112219	2.71E-14	0.101884	0.333754	0	0.430313	0.12851
FAM27E5	0.0380017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM30A	0.0433345	0.0197193	0.0298745	0.00744292	0.123408	0	0.0109951	0.0492099	0	0	0.00271774	0.00861306	0.037279	0.00880776	0.0656913
FAM30C	0	0	0	0	0	0	0	0	0	0	0	0	0.0282906	0.00458339	0.0377829
FAM32A	12.2947	10.075	10.9905	17.1257	11.3562	20.0942	9.89104	7.7408	24.4327	15.7074	26.5516	10.7209	22.3469	10.7562	9.12193
FAM3A	5.06179	6.00197	6.32576	8.18831	14.2384	12.6143	5.65643	3.11599	12.7375	7.76485	10.6042	7.13238	8.87106	7.75516	4.10728
FAM3B	0.501656	0.136966	0.193669	0.0516971	0.0779245	0.213577	0.171832	0.371525	0.0203653	0	0	0	0.0215777	0.0262187	0
FAM3C	6.48223	5.42621	5.83709	8.22829	2.55972	9.8763	4.34508	6.99075	10.0567	7.61026	11.2334	5.06161	9.58628	6.00502	7.24352

FAM3D	0.46003	0.15345	0.131736	1.40399	0.247357	0.60263	0.161615	0.298765	0.0646459	0.177657	0.279632	0.0379804	0.0456629	0.0184948	0.0508201
FAM3D-AS1	3.67E-38	0	1.59E-39	5.94E-40	2.99E-39	2.36E-32	0	0	4.83E-16	0	6.39E-14	0.0201699	0	0	0
FAM41AY1	0.00566399	0.00409349	0.00234282	0.00291845	0	0	0	0.00755052	0	0	0	0	0	0	0
FAM41AY2	0.00566399	0.00409349	0.00234282	0.00291845	0	0	0	0.00755052	0	0	0	0	0	0	0
FAM41C	0.800375	1.05383	0.941707	0.606675	0.105361	0.334979	0.499481	1.2803	0.231301	0.289447	0.260337	0.924265	0.17505	0.638102	0.428605
FAM43A	5.20995	3.63771	3.60387	30.4926	15.4884	11.7296	4.88991	3.66882	36.2604	14.7128	23.2348	16.2067	14.5377	13.2609	5.71729
FAM43B	0.170301	0.0604607	0.0370751	0.184737	0.348075	0.190802	0.296784	0.0398288	0.251073	0.776234	0.151775	0.513074	1.46889	0.210806	0.077234
FAM45A	1.15361	1.33646	1.41873	0.972057	0.757952	1.20331	0.939611	1.07602	1.80125	1.22566	1.49139	0.991889	2.18568	1.14427	1.05687
FAM45BP	2.08073	1.72695	1.8549	2.68059	0.821224	2.53879	1.07473	1.98283	3.18336	3.16915	3.32101	1.66018	2.8064	1.6502	1.27692
FAM47A	0	0	0	0	0.0139392	0	0	0	0	0	0	0	0	0	0
FAM47B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM47C	0	0.00674164	0	0	0	0.0119141	0	0	0	0	0	0	0	0	0
FAM47E	0.140405	0.115051	0.140775	0.0401857	0.0736013	0.12812	0.10859	0.22042	0.0134602	0.0693575	0.0124764	0.118621	0.0782424	0.0173289	0.0707568
FAM47E-STBD1	0.596047	0.0392632	0.0782316	0.0461753	0.0379423	0.656355	0.0772393	0.0531479	9.80E-09	6.97E-05	0.0786367	2.41E-06	0.0012664	0.110715	0.110752
FAM49A	2.13257	0.856649	0.745614	1.90837	0.512576	3.47654	1.33835	0.936682	0.995704	2.16353	3.08014	0.919775	1.95108	1.03478	2.68777
FAM49B	2.05863	1.94949	1.88356	5.65077	0.935754	5.05271	1.16983	1.99817	2.72093	4.96519	7.22885	2.27061	7.81934	4.23927	2.60904
FAM50A	5.80288	5.21245	5.5086	8.80247	13.4809	10.5672	4.96427	3.04255	9.52724	8.05665	9.5459	5.70763	11.2541	6.87086	5.21162
FAM50B	1.41406	1.24121	1.3783	2.26521	2.80547	2.47964	1.13497	0.982965	0.71615	0.843467	1.32762	0.581034	1.15624	0.775638	0.562987
FAM53A	0.174817	0.291563	0.467236	0.180154	0.6371	0.70992	0.191923	0.173289	0.163775	0.118145	0.258068	0.182818	0.121467	0.200304	0.154498
FAM53B	9.96683	7.24405	7.40473	9.92625	13.4402	12.1257	7.49907	5.96604	4.57648	4.24065	4.36489	4.33027	7.88471	5.0911	4.86965
FAM53B-AS1	0.784068	0.794026	0.575437	0.298795	0.974342	0.348282	0.939983	0.802943	0.0967431	0.278824	0	0.523619	0.0168625	0.437107	0.37534
FAM53C	3.36931	3.23964	3.21396	5.29425	4.8751	7.70335	3.23009	2.47929	4.87506	4.17952	5.89375	2.99422	5.77693	4.20466	3.80891
FAM57A	7.13427	17.3295	21.3768	10.2992	12.3467	10.2775	12.3289	11.6948	12.4692	7.33197	10.719	10.7265	8.51652	7.17008	4.76476
FAM57B	0	0.0212962	0.014615	0.0158346	0.0137315	0.0752712	0.0302796	0.0157125	0.0107661	0.0221901	0.0199585	0	0.00570351	0.00924031	0.0281969
FAM66A	0.192442	0.161414	0.439364	0.099143	1.12741	0.203684	0.122898	0.227248	1.46E-35	0.00645325	0	0.0429114	0.0385336	0.0182966	7.50E-17
FAM66B	0.619943	1.132	1.11755	0.241983	0.45541	0.880041	0.486988	0.601191	0.299312	0.127126	0.151611	0.169206	0.322343	0.105251	0.292643

FAM66C	0.722322	0.61309	0.575109	0.211769	0.396255	0.476661	0.428803	0.468897	0.0604101	0.0355749	0.22398	0.0464113	0.0432188	0.0518487	0.4552
FAM66D	0.507914	0.236372	0.322843	0.473812	1.02743	0.112032	0	0.174414	0.10086	0.0371828	0.0487873	0.0435795	0.0521507	0.0977981	0.167807
FAM66E	2.30E-08	1.47E-09	0.0123341	0.00011374 5	0.0337928	0.0282119	1.64E-08	3.24E-05	1.87E-11	6.05E-06	7.16E-18	2.00E-08	4.63E-24	0.0321918	0.120213
FAM69A	1.61307	1.60118	1.71748	1.67001	0.429209	1.46253	1.57742	1.6393	4.00183	2.50259	2.57969	1.89694	2.44286	1.79541	2.78846
FAM69B	2.75311	2.41357	2.69896	1.38376	2.94443	3.95133	2.39509	1.78746	0.375259	1.60605	3.23842	1.54416	0.992528	1.5045	2.22527
FAM69C	0.249337	0.262112	0.225021	0.105116	0.211258	0.405315	0.427028	0.251807	0.0276059	0	0.0639707	0	0	0.00592339	0.0162764
FAM71A	0.079393	0.023908	0.0246298	0.0409084	0	0.0253508	0.158635	0.0705579	0	0.161925	0.0112031	0.0497068	0.0512239	0.0570546	0.0570092
FAM71B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM71C	0.0867709	0.0537526	0.123057	0.0127743	0.0385101	0.0633294	0.183991	0.0110164	0	0	0	0.0266087	0	0	0.124614
FAM71D	0.103433	0.0560648	0.0748709	0	0.0401666	0.0110089	0.029524	0.080432	0	0	0	0	0	0.0270292	0
FAM71E1	0.163515	0.272368	0.241572	0.131545	0.595673	0.449866	0.518669	0.129251	0.508764	0.250404	0.392952	0.26188	0.0588495	0.218915	0.157037
FAM71E2	0.08725	0.0315288	0.0300747	0	0.0225882	0.018573	0.0083016	0.0323085	0	0	0	0.0104049	0	0.0570008	0
FAM71F1	0.00953959	0.00459632	0.0236755	0	0.0296366	0.0162457	0.021784	0.016956	0	0	0.010769	0	0	0.0349007	0
FAM71F2	0.388759	0.422403	0.295355	0.282074	0.24648	0.172267	0.353286	0.345496	0.0386502	0.348523	0.0447817	0.198691	0.0409511	0.366972	0.415882
FAM72A	0.0652307	0.154124	0.141513	0.137188	0.209017	0.126606	0.229163	0.128028	0.27789	0.104623	0.00160869	0.0784976	0.145642	0.126502	0.00041890 4
FAM72B	0.266876	0.207247	0.0741999	0.431128	0.238365	0.230618	0.0918976	0.135743	0.055788	0.0839865	0.556494	0.119731	0.454579	0.270038	0.242637
FAM72C	0.162593	0.123331	0.189726	0.274426	0.157326	0.327676	0.134078	0.178953	0.113952	0.20074	0.178893	0.134094	0.196955	0.231721	0.136508
FAM72D	0.294474	0.46864	0.585088	0.300974	0.654917	0.261777	0.696988	0.352149	0.298118	0.146631	0.166013	0.269684	0.185816	0.189715	0.216535
FAM74A1	0.00050128 5	8.96E-12	0	0	0	0	0.0134501	0	0	0.00932476	0	0	0	0.00388285	0.032009
FAM74A3	0.0729139	0.00733551	0.0379492	0	2.91E-17	0.0139301	0.113667	0.0363483	0.0149685	8.94E-27	0	0.0087942	0.00208283	0.0128468	0
FAM74A4	6.03E-18	2.82E-21	0	0	5.14E-17	0.0270543	0.0342426	0.0176925	0	1.76E-26	0.0134391	0	0.00410718	5.02E-07	6.05E-26
FAM74A6	9.11E-09	0.0270585	0	0	0	9.01E-14	0.0135556	1.89E-18	0	1.69E-07	0	0	0	7.05E-08	5.82E-07
FAM74A7	0.0122256	0.0367523	0.0138675	0.0251977	0.0759623	0.0104099	0.0521571	0.0108651	0	0.0153444	0.0138012	0.00874774	0.00159823	0.0191689	0

FAM76A	3.01081	2.69822	3.34866	2.14432	1.10165	2.59785	2.70427	2.42601	2.43639	2.30931	2.4245	1.82398	2.29654	1.74842	1.49895
FAM76B	2.36583	1.58569	1.74887	1.26128	0.2547	1.93969	0.969505	1.82673	0.734595	1.38178	1.75184	0.678805	1.08437	1.26403	1.55585
FAM78A	0.823178	0.393787	0.428051	1.03009	1.03208	2.09276	0.557213	0.480747	0.121737	0.678942	1.30761	0.231395	0.849776	0.666854	2.09416
FAM78B	0.182333	0.202856	0.159066	0.259643	0.293526	0.259698	0.272529	0.135526	0.0403748	0.212203	0.123499	0.128092	0.162558	0.174997	0.471336
FAM81A	0.186853	0.112536	0.209784	0.0894016	0.0829277	0.232972	0.144768	0.130475	0.0812735	0.0670056	0.105467	0.0381995	0.0430559	0.0383654	0.0479186
FAM81B	0.0148068	0.0214024	0	0	0	0.0756468	0.0338119	0.0526363	0	0	0.016715	0.0211893	0	0	0.276438
FAM83A	1.4351	0.944911	0.553599	18.6838	4.57853	6.92985	0.362154	2.13136	11.1761	19.6436	10.2123	10.6077	47.4213	14.9433	6.5552
FAM83A-AS1	0.199746	0.13481	0.1488	1.58316	0.37253	0.170173	0.0456373	0.515078	0.28307	1.47713	0.728148	1.52161	3.51848	3.05379	0.458481
FAM83B	14.1549	20.4209	19.4828	29.8005	5.16438	16.0671	12.154	17.5602	37.8502	30.3402	21.0294	28.8385	41.9089	22.9998	8.97445
FAM83C	11.016	18.001	14.8036	14.2374	34.2005	14.2162	9.83179	9.32234	48.3678	18.0373	9.12664	18.6621	35.8155	18.2656	7.54799
FAM83C-AS1	0.188666	0.363609	0.364182	0.129617	0.0976879	0.0535489	0.215413	0.279451	1.30205	0.315727	0.283974	0.674978	0.730359	0.361552	0
FAM83D	0.276307	0.716141	0.740915	3.74092	1.258	2.30404	0.728863	0.609662	1.19519	1.67417	3.42032	1.00216	3.94656	2.33546	1.32726
FAM83E	0.874626	0.493491	0.476021	0.142315	0.375401	0.617344	0.328493	0.429557	0.0700786	0.0866641	0.0129914	0.279971	0.0594004	0.276676	0.0826364
FAM83F	6.91721	11.2207	10.6128	11.8039	22.6527	11.4087	9.96482	6.87242	5.75689	9.13063	5.82812	7.44417	10.0146	7.23048	2.82453
FAM83G	13.3837	21.8922	17.2106	24.8415	55.8686	23.5993	24.6265	12.1796	75.5135	37.571	13.6464	53.3131	65.5969	30.0058	11.7061
FAM83H	8.57165	17.9004	17.6063	35.572	43.6438	30.5924	21.4007	10.3297	34.2941	22.2795	10.7873	28.2017	65.0121	21.6151	8.37292
FAM83H-AS1	2.3253	7.97699	7.13499	7.55484	7.30279	4.47831	5.5416	4.15561	5.29317	4.49978	3.77996	6.43139	5.38461	4.71979	1.25076
FAM84A	6.81683	8.18133	4.74345	13.9837	21.6524	14.0586	6.25945	5.31693	24.4902	15.6171	16.0831	15.9374	17.1541	7.53616	3.19942
FAM84B	5.46029	3.09167	3.48895	2.85691	3.39007	4.40181	3.3481	3.27253	2.67335	2.69687	2.17832	2.14644	4.99623	2.3253	1.60343
FAM85A	0.250316	0.299095	0.334487	0.212008	0.592724	0.240028	0.0979888	0.17634	0.0355916	0.063065	0.0282745	0.0363105	0.0403998	0.0418121	0.323731
FAM85B	0.0532636	0.128316	0.198285	0.0548897	0.289579	0.0226766	0.182444	0.0710044	0.0648691	0	0.030064	0	0.0171827	0.013919	0.0382467
FAM86B1	0.742948	0.671369	0.482082	1.49137	1.21421	1.02237	0.905646	0.652294	0.99276	0.607509	0.453499	0.296078	0.270941	0.183744	0.67924
FAM86B2	0.0506248	0.0599305	0.0862276	0.110376	0.195494	0.0514625	0.183823	0.0368379	0.239936	0.0206027	0.00682769	0.0261174	0.0579843	0.0317037	0.0944245
FAM86B3P	0.45343	0.458786	0.472637	0.479247	0.323993	0.386089	0.569482	0.298198	0.0773117	0.317701	0.194509	0.284619	0.169679	0.682509	0.338615
FAM86C1	1.08284	1.2857	1.47126	1.88586	0.800824	2.15968	1.56691	1.07012	3.30117	0.827964	1.64958	1.24364	2.16528	1.55711	0.952832
FAM86C2P	0.83187	0.779442	0.647365	0.729972	0.524031	1.55475	1.08176	0.39577	0.440782	0.405658	0.8073	0.593124	0.473897	0.386443	0.36348

FAM86DP	0.726243	1.38412	1.62342	1.42048	1.46357	1.67681	1.64193	0.519755	1.05745	0.837523	1.08336	1.18893	1.43365	1.21456	1.35908
FAM86EP	0.466193	0.720781	0.857199	0.490507	0.501346	0.536621	0.707742	0.470376	0.360134	0.226661	0.317318	0.282466	0.48318	0.372852	0.476215
FAM86FP	0.714536	0.609066	0.738861	0.430352	0.643263	0.738551	0.422636	0.594292	0.750895	0.299006	0.698653	0.366324	0.120413	0.226234	0.164985
FAM86HP	0.89407	0.635261	0.792037	0.457453	0.477747	0.7337	0.515589	0.715216	0.139446	0.129856	0.133396	0.222085	0.183408	0.202272	0.507877
FAM86JP	0.444487	0.361062	0.467293	0.722885	0.50398	0.801769	0.464148	0.353874	0.270508	0.353808	0.621729	0.194722	0.596125	0.315399	0.410082
FAM87A	0.118647	0.0992489	0.0751976	0.234624	0.052234	0.0907232	0.0667617	0.0527079	0.0178331	0.0999432	0.113475	0.0767874	0.0931278	0.0506147	0.111112
FAM87B	1.38604	1.68798	1.18417	0.521667	0.890761	1.00887	0.963183	1.055	0.180669	0.540778	0.773686	0.965896	0.138037	0.710598	0.830638
FAM89A	8.91425	7.89777	7.29781	14.6154	18.0706	11.2869	7.69083	5.50575	49.4472	24.2769	21.5563	14.0059	31.7774	9.14031	5.76866
FAM89B	7.49213	8.96342	8.32529	15.916	26.3579	20.1384	8.33677	4.8245	29.79	27.5326	41.3933	17.3545	34.1445	17.3136	13.176
FAM8A1	3.87262	3.98792	4.3012	3.53848	2.69713	5.19541	4.43277	4.29124	9.05267	4.1137	7.20175	3.62947	5.14194	3.56367	4.18169
FAM90A1	0.510624	0.193219	0.194643	0.0496639	0.312607	0.198602	0.273062	0.196788	0.0112026	0.0115449	0.114222	0.059235	0.0785113	0.10179	0.0625958
FAM90A10P	1.66E-39	0.0228812	3.67E-33	0	5.60E-20	1.95E-39	1.51E-21	0.0403772	4.14E-17	0	0	0	0	6.02E-24	0
FAM90A25P	0.332887	0.458943	0.209431	0.115142	0.928097	0.127067	0.0737793	0.150435	3.48E-21	0.0153201	0.00156351	1.73E-09	3.43E-28	0.024019	0.450543
FAM90A26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM90A27P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM90A2P	0.0999224	0.167396	0.235825	0.157909	0.0800856	0.0442842	1.89E-32	0.171752	0.035678	0	0.0992112	0.0209614	0.0523722	0.00661784	0.0235512
FAM90A7P	0.13683	0.221506	0.202203	0.034769	0.276953	0.11564	0.162686	0.0851647	0.0458552	0.00787606	0.00628016	0.0179604	0	0.0381412	0.0540721
FAM91A1	5.31993	4.3386	4.48895	5.9044	1.62399	5.879	3.9274	5.41294	7.27763	6.92819	9.17301	4.20474	8.04808	6.51913	5.82768
FAM92A	0.97034	0.559281	0.622681	1.03734	0.239473	1.25865	0.528066	1.04772	0.265069	0.899179	2.16007	0.376352	0.982969	0.995324	1.69308
FAM92A1P2	0	0	0.0077986	0	0	0	0	0	0	0	0	0	0	0	0
FAM92B	0.012155	0.00585645	0.0100554	0.012526	0	0.0620988	0	0	0	0.0152557	0	0	0.0156846	0	0.0523682
FAM95A	0.0772078	0.018714	0.00798397	0.00994562	0.0449739	0	0	0.017154	0.0117538	0.0484519	0.0217895	0.0897719	0.0435873	0.010088	0
FAM95B1	0.11624	0.186041	0.167508	0.0695549	0.180561	0.0670489	0.214063	0.163288	0	0.00941248	0	0.075124	0.00241928	0.0137182	0.0592352
FAM95C	0.156196	0.915635	1.35677	0.116252	0.741359	0.184721	0.713358	0.601528	0.126819	0.0980211	0.0391835	0.291824	0.0615859	0.136058	0.0373862
FAM98A	3.71868	4.88759	3.41667	8.7836	4.28119	9.38014	3.1938	3.75818	15.7713	7.71352	6.64981	6.68738	9.95259	6.60472	4.52525
FAM98B	3.11703	2.27435	2.6179	3.15784	0.450593	2.95949	1.3489	2.52642	1.04701	1.76744	2.2327	0.98119	2.3752	2.31823	1.81785

FAM98C	3.9933	4.25037	5.30069	3.29218	9.02255	7.07871	3.64755	2.54877	5.50449	3.09834	6.70045	2.97421	4.08721	2.97883	1.72047
FAM99A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM99B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM9A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FAM9B	0	0	0	0	0	0	0	0	0	0	0	0.0157484	0	0	0
FAM9C	0	0	0	0	0	0.015702	0	0	0	0	0	0	0	0	0
FAN1	3.51643	3.7623	3.93172	2.7894	2.30395	2.52633	2.93991	3.3827	1.13542	1.2389	1.11572	1.49951	1.08309	1.96976	1.76263
FANCA	0.571748	0.816882	0.602939	1.76375	0.707635	1.49813	0.978569	0.590991	0.189934	0.675674	0.558857	0.983985	0.888696	1.59807	1.2105
FANCB	0.230279	0.247793	0.342906	0.427157	0.0476937	0.215688	0.219104	0.272871	0.0654393	0.308292	0.424596	0.236172	0.450677	0.304897	0.0551183
FANCC	5.47058	5.68038	6.00472	2.38986	4.83386	1.96789	5.38619	5.09434	0.598667	1.16426	1.0427	2.65213	1.20979	2.67065	3.46141
FANCD2	1.17428	0.792358	0.837286	1.46952	0.397551	1.92926	0.898131	0.822839	0.352951	1.02507	1.10842	0.657102	1.13853	1.32952	0.724291
FANCD2OS	0	0.0523424	0.0904481	0.0691169	0	0	0	0.0763886	0.0261705	0	0.0514053	0	0.099057	0.0349892	0
FANCE	2.2826	2.98079	2.46532	3.97649	6.79587	4.34998	1.98568	1.58584	7.07123	3.47881	4.72408	2.17768	2.67662	2.50433	0.676434
FANCF	1.24493	1.43217	1.3944	1.78025	1.71652	2.1975	1.23775	1.18098	0.689947	0.833925	1.67381	0.785687	1.23642	0.979635	0.793494
FANCG	1.46898	1.66561	1.72463	2.92794	2.97868	2.73382	2.01871	1.11007	1.13557	1.44627	1.90654	1.47909	1.71962	2.10558	1.6296
FANCI	2.0024	1.45609	1.47206	4.27042	0.512539	3.99698	1.31862	1.36846	0.894038	2.42293	2.50236	1.44755	5.22503	3.35132	1.76732
FANCL	2.41169	2.05607	2.16674	2.4825	0.384489	2.32176	1.32821	1.55235	1.2076	1.45037	2.17384	1.06188	1.09618	1.62755	1.41326
FANCM	1.10683	0.854508	0.832648	0.753741	0.24633	0.774351	0.606004	1.00379	0.362618	0.64991	0.938929	0.43998	0.588835	0.646134	0.613508
FANK1	0.468167	0.729343	0.426031	1.12574	1.09084	0.757412	0.374176	0.443806	1.48245	1.07726	0.880836	1.40694	0.875971	0.815615	0.874051
FANK1-AS1	0	0.0250015	0	0.106949	0	0.0441839	0	0.0461157	0	0	0	0.111387	0	0.0271201	0
FAP	1.86499	0.446692	0.556549	6.84169	1.55686	5.10806	0.714989	1.85019	0.451155	14.0482	24.6785	0.891007	8.84007	4.31022	12.4925
FAR1	4.07142	2.49014	2.42813	4.81061	0.667871	4.6099	2.40947	3.47797	1.41062	5.40741	6.33949	2.38896	7.13329	4.89097	4.77595
FAR2	2.04363	0.957224	1.22789	1.02413	0.282931	1.36774	1.22913	1.83428	0.407087	1.33612	2.10959	0.566138	1.10428	1.117	1.95168
FAR2P1	0	0	0	0	0	0.00870984	0	5.89E-44	0	2.62E-16	0	0	0	0	0.0561685
FAR2P2	0.0729553	0.0546793	0.0603538	0.0334145	0.0881415	0.0483159	0.00925534	0.0576326	0.0394895	0.010174	0.00915083	0.0290008	0.0104601	0.0211831	0.108881
FARP1	4.36457	2.30281	2.54649	2.70567	5.05693	6.69714	4.71199	2.6954	0.748861	3.45629	6.06824	1.87594	4.48559	4.85589	9.91399

FARP2	3.76176	4.84516	4.73491	3.74036	4.10185	4.23102	5.0206	4.26082	5.37934	3.73054	2.68597	5.14501	3.73363	3.1776	3.22106
FARS2	2.55495	2.51312	2.38552	4.27172	4.06754	3.07822	2.65087	1.84666	2.2595	3.06037	4.9666	2.31362	3.50892	2.55431	2.49691
FARSA	5.69521	7.35957	7.39785	12.9866	16.8784	18.2703	6.93041	4.96154	12.0622	8.24537	9.74247	8.98126	17.5426	11.9193	7.06698
FARSA-AS1	0	0	0	0	0	0	0	0	0	0	0	0.137423	0	0.0501891	0
FARSB	7.18677	5.20029	6.7968	12.7535	1.37026	12.3347	4.52249	6.62527	3.5706	7.2617	7.72249	5.41467	10.306	8.46138	5.46486
FAS	2.08019	2.64195	3.66508	3.16446	0.928356	2.68283	1.20528	2.05897	1.61643	2.38276	4.09082	1.15535	2.0548	1.58125	3.4909
FAS-AS1	0.367669	0.439319	0.57279	0.288207	0.0828303	0.163203	0.57816	0.644316	0.123031	0.0792313	0.19277	0.2098	0.0728248	0.140284	0.554236
FASLG	0.122063	0.0940985	0.131272	0.0503156	0.227526	0.145508	0.12543	0.0650874	0	0.0306402	0.192911	0.0436695	0.212636	0.0893133	0.298005
FASN	10.4852	21.5077	20.5807	35.5516	52.9377	37.5831	32.9972	13.715	35.4836	16.3161	7.59552	31.1141	30.9034	15.3647	8.21674
FASTK	7.60717	7.18748	7.34715	10.4908	21.2698	15.3351	7.04735	4.8918	9.06882	9.0665	15.3598	7.24862	9.16173	8.21029	8.52667
FASTKD1	1.43676	1.31437	0.967183	1.97415	0.663699	1.15941	0.686198	1.26435	0.857749	1.54398	1.81803	1.17922	1.70251	1.77912	1.74644
FASTKD2	2.95328	2.35112	2.48729	2.93354	0.719708	2.35292	1.71263	2.58909	2.32614	2.1713	2.43082	1.60515	2.86034	2.54352	1.72812
FASTKD3	1.17615	0.845673	0.80085	1.40785	0.393501	1.03229	0.743756	1.06939	0.672136	1.19231	1.73626	0.543782	1.0332	0.969348	0.987475
FASTKD5	3.25765	2.81309	2.96245	4.6233	2.4234	3.06981	2.83345	2.73708	6.46803	3.30747	3.94211	3.01923	4.75647	3.42208	2.61201
FAT1	15.2019	13.1295	16.1734	18.1101	11.7095	17.8374	13.7972	11.9695	14.6655	27.4808	15.5154	19.691	56.3583	34.8432	26.6854
FAT2	19.2026	33.6837	27.5158	31.246	34.6433	30.9323	22.9828	21.9302	10.7383	18.2862	11.0139	25.9556	19.0684	18.7175	7.02637
FAT3	0.307408	0.0977667	0.0512639	0.0200343	0.13023	0.236923	0.235842	0.0485926	0.128742	0.0442254	0.0960148	0.0539028	0.00705549	0.016511	0.247785
FAT4	3.55709	1.99408	2.49475	3.10775	2.969	7.20678	2.91031	2.32016	0.21162	2.62425	3.81605	1.17856	4.6762	8.50889	13.9539
FATE1	0	0	0	0	0.0336288	0.0553022	0.0494368	0	0.0263664	0.027172	0	0.0309812	0	0.0226297	0
FAU	184.541	117.48	129.923	233.767	166.617	270.949	166.816	97.258	211.172	210.502	443.045	134.578	175.754	133.619	86.7613
FAXC	0.0958622	0.0628155	0.0570989	0.108668	0.041694	0.161618	0.048159	0.0443011	0.0537047	0.0192507	0.0562726	0.0438989	0.127411	0.0871771	0.0440545
FAXDC2	6.85352	4.50592	5.3284	1.16531	2.44487	5.52341	5.50463	4.40007	0.567621	0.911012	1.67328	0.530297	0.527468	1.4216	2.18357
FBF1	0.944715	1.73254	1.89451	1.21822	2.10517	1.50354	0.937461	1.08135	0.373479	0.285565	0.307097	0.665352	0.41486	0.641099	1.01577
FBH1	5.32363	7.23796	7.69083	9.62859	9.25827	10.5351	6.49598	4.44582	7.22102	7.00543	7.42679	6.70762	7.79002	7.25416	7.41595
FBL	32.8969	31.3176	34.3798	51.1589	40.2384	72.7346	24.0424	21.1855	21.2179	23.8359	39.0875	17.128	35.157	28.5102	15.3486
FBLIM1	4.52979	4.47953	3.8262	16.8764	17.0734	23.2711	5.98727	2.84067	21.3836	31.5325	25.3318	17.5773	51.4842	27.9453	14.3806

FBLL1	0.014722	0.148959	0.0730747	0.1062	0.160079	0.188034	0.20171	0	0.681332	0	0	0.0632041	0.0379943	0.19236	0.126856
FBLN1	18.5305	19.3378	28.6175	12.5018	19.436	62.9911	40.7045	11.2809	2.00207	10.7827	25.8994	1.75243	12.6014	8.69372	58.0571
FBLN2	28.5815	16.2831	23.6723	10.0613	31.6024	27.5298	42.8745	17.4071	1.65549	8.77946	13.5471	3.01727	11.747	9.74152	27.2081
FBLN5	13.369	7.20792	11.1979	4.42028	5.06538	14.7065	14.1202	8.84259	0.952724	2.87932	6.48924	1.42136	4.88274	3.08706	10.982
FBLN7	2.08378	1.52297	2.06529	0.757294	4.72234	1.7486	3.01135	1.95031	0.269719	1.41507	3.36372	0.511406	1.10413	1.20482	2.93474
FBN1	18.8548	9.55554	13.7711	16.6957	16.7158	30.9399	33.8462	11.7813	1.7497	16.8345	27.6715	4.39934	15.0007	13.6811	56.813
FBN2	0.0431612	0.0405517	0.0553443	0.409206	0.268177	2.46049	0.0689921	0.0920595	0.0919897	2.81422	2.16333	1.30326	6.47731	7.56029	2.02381
FBN3	0.0121998	0.00470245	0.00807404	0	0.0113703	0.0020776	0.0195011	0.034695	0	0.0122496	0	0	0	0	0
FBP1	0.863354	0.204884	0.330464	0.318703	0.380308	1.63485	0.500231	0.435172	0.109855	0.889521	2.32745	0.101422	0.257731	0.154899	0.296092
FBP2	0.034286	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FBRS	8.19133	12.0817	12.4204	15.0889	25.2467	20.7661	14.3184	9.53781	21.1324	11.4406	10.042	14.032	21.558	12.5873	11.2298
FBRS1	3.46102	3.82806	4.36638	4.88321	8.72836	7.43688	5.18368	3.05325	4.20894	2.91938	2.48214	3.72561	5.38884	3.82791	3.88135
FBXL12	2.38004	2.27163	1.99706	3.13011	4.6653	5.02782	2.27748	1.41012	2.94003	2.74537	4.31163	2.5788	3.65616	2.94986	3.15762
FBXL13	0.386735	0.346518	0.297483	0.370574	0.137009	0.22531	0.209161	0.422085	0.0908947	0.272501	0.245095	0.354395	0.0787957	0.18794	0.107183
FBXL14	2.6421	2.0759	2.2855	1.60428	2.21383	3.1552	1.89011	1.59786	1.05479	1.15582	2.45044	0.87857	1.46418	1.2319	2.06251
FBXL15	1.86163	1.98748	2.13179	1.99925	6.95545	3.28712	2.0025	1.21908	2.2434	2.0168	4.77827	1.64052	2.06719	1.82304	1.2242
FBXL16	1.43705	3.42105	3.40438	2.30216	6.94023	1.99674	3.52022	2.6007	5.43347	1.36093	3.76067	2.35562	1.2559	0.81593	0.431519
FBXL17	3.32459	2.93992	3.04488	2.41248	2.1846	3.49024	2.66272	2.74894	2.52045	2.13942	2.81855	1.78651	2.70208	1.67477	1.57873
FBXL18	1.33407	1.70453	1.70285	2.11614	4.04789	2.78827	2.42397	1.52052	2.40239	1.42626	1.33435	2.09464	2.47545	1.88991	1.89379
FBXL19	2.69092	4.99427	4.29009	6.28068	15.0406	9.41293	3.11988	1.99552	6.12764	4.39881	2.51466	6.83037	7.692	7.25557	3.92421
FBXL19-AS1	0.169868	0.200379	0.19383	0.670034	0.427641	0.408983	0.220701	0.161376	0.14981	0.360238	0.198372	0.326914	0.710497	0.887804	0.639322
FBXL2	0.770965	0.747455	0.633907	0.784813	0.598787	0.640455	0.735342	0.806327	0.223287	1.25085	0.647435	0.575192	0.609646	1.05895	1.07345
FBXL20	3.70398	3.97784	3.97871	2.53832	3.37019	2.68574	4.06579	3.843	6.54132	3.25913	3.30722	3.7471	2.60212	2.1523	2.80902
FBXL21	0	0	0	0	0	0.00820742	0	0	0	0.0120978	0	0	0	0	0
FBXL22	0.563721	0.469811	0.315101	0.235513	0.875654	0.285406	0.730617	0.365586	0.185554	0.191224	0.292387	0.119917	0.02949	0.175183	0.54701
FBXL3	8.8164	7.00648	7.43381	6.31016	3.67696	8.85077	5.47242	8.45538	8.34689	7.59525	9.7465	4.41866	9.43702	5.73594	6.09661

FBXL4	2.30414	2.45502	2.55439	2.13441	0.888202	1.65178	2.04563	2.5032	1.3154	1.6214	2.1612	1.3941	1.19422	1.72003	1.35038
FBXL5	12.41	8.7303	8.72165	15.9039	3.78828	11.1941	7.76625	10.5265	14.8819	15.3924	17.1353	7.82541	14.8785	11.9798	9.57683
FBXL6	2.01	2.40525	2.18168	4.87484	6.96984	6.0668	2.48558	1.24936	1.95842	3.55215	3.96459	3.53034	4.51174	4.01332	2.93222
FBXL7	1.52602	0.976517	1.1283	1.08608	2.25932	2.5135	1.8077	1.12734	0.185852	1.13722	2.71323	0.35487	1.12919	1.25865	5.1844
FBXL8	1.99057	3.10309	3.0503	1.76289	7.31264	3.67779	3.78364	1.93624	0.955131	0.952099	1.83426	1.70219	0.814816	0.868416	1.64353
FBXO10	1.22418	1.06754	0.941585	2.17904	3.66956	2.84714	1.09739	1.18236	5.64329	1.63806	2.17571	2.34909	2.27159	1.27169	2.1867
FBXO11	7.63634	7.192	8.04301	9.26631	2.22679	7.21944	4.5218	7.80763	6.71868	8.56916	6.93915	4.989	11.4338	7.92099	7.62617
FBXO15	0.0250195	0.0964383	0.010349	0.038675	0.0582959	0.159778	0.0285665	0.0111176	0.030471	0	0.0564878	0.0179021	0	0	0
FBXO16	0.137552	0.0662744	0.0284481	0.106313	0.0801244	0.380651	0.039263	0.0305611	0.0418806	0.151061	0.232918	0	0.0332803	0.134795	0
FBXO17	1.70587	1.81279	2.05411	2.86156	2.88536	3.69589	2.0451	1.2381	0.530933	1.64147	2.64252	0.67133	1.27183	1.52557	1.63324
FBXO2	1.52456	2.2799	2.6681	2.69785	6.68523	3.6766	2.24182	0.993716	2.49809	3.40293	3.16859	2.17253	6.50381	1.91803	0.581394
FBXO21	6.51157	5.13142	5.53603	5.6117	4.65392	7.73243	5.60565	5.29621	4.97394	3.80841	4.82023	3.23913	5.47462	3.75183	3.00721
FBXO22	2.50268	2.7721	2.84067	3.06161	1.9145	2.49763	2.41503	2.9273	1.67147	2.81012	4.04035	1.87931	1.95849	2.97327	1.84732
FBXO24	0.0256389	0.116456	0.159769	0.048181	0.213403	0.192237	0.113075	0.107859	0.102493	0.0352084	0.0249488	0.0602163	0.0603304	0.0529689	0.107431
FBXO25	5.03441	3.70472	3.37588	3.94725	2.60672	4.93255	3.78879	4.01626	4.23767	4.34336	6.42168	3.35804	5.71337	2.63616	3.21335
FBXO27	2.44179	7.40234	6.33588	9.59036	14.6691	6.27085	5.51338	2.97185	15.6533	14.1542	12.8082	10.0968	11.8638	5.3857	1.21115
FBXO28	4.27957	6.10426	5.91479	5.29848	3.5217	5.14435	5.55048	6.84822	16.0035	5.89354	7.76439	5.36484	7.07272	4.48003	3.26206
FBXO3	5.82512	5.86079	5.85403	7.01057	1.96929	5.50328	4.62633	5.2137	10.1622	10.1191	8.37181	5.95856	12.248	5.5346	4.08165
FBXO3-DT	0	0.0288878	0	0	0	0	0	0	0.0730198	0	0	0	0	0	0
FBXO30	2.92503	2.49229	2.47628	4.09128	1.37042	4.00645	1.79877	2.42219	4.28505	4.29736	4.23868	2.90082	6.64763	4.45995	3.22785
FBXO31	4.92261	3.36876	3.96899	2.86259	5.95718	6.38579	3.95471	2.98731	2.70919	1.86924	1.99354	1.83844	2.30809	2.4718	3.23821
FBXO32	4.66457	2.96506	3.46469	1.67901	2.5153	12.2955	2.9673	3.60364	1.36343	1.06218	1.65118	0.438662	1.42525	1.2416	2.12452
FBXO33	1.7709	1.15643	1.18986	1.36177	0.572505	1.38543	1.30349	1.56184	1.58746	1.76008	2.19193	1.3411	2.11405	1.32255	1.82674
FBXO34	4.93255	4.12333	4.22439	4.96367	3.14079	4.3919	4.29371	3.43364	6.2504	4.58252	5.11027	3.10087	4.93151	3.82654	4.05975
FBXO36	1.54561	1.02198	1.19702	0.813343	0.472511	1.53308	1.1452	1.27132	0.931177	1.19696	1.48494	0.541198	0.896437	0.674602	0.873709
FBXO38	4.69769	4.18406	4.22809	4.60388	2.60842	5.06012	3.26717	3.80296	8.09772	5.83039	5.55108	4.93338	4.2797	4.99794	3.63616

FBXO39	0.0277661	0.113714	0.0918803	0.128762	0.129391	0.28371	0.0317024	0.0740286	0.016908	0.0696986	0.109706	0.0298011	0	0.12335	0.159503
FBXO4	2.7638	1.77065	2.01841	2.11788	0.487499	2.51712	1.54891	2.03337	0.961715	2.05844	3.90855	0.941703	1.13654	1.23813	1.25036
FBXO40	0.0444903	0.0214361	0.0234217	0.0333444	0.00628262	0.0068878	0.0277078	0.0647006	0.00492584	0.00507636	0.00913164	0.002894	0	0.0147971	0.0464682
FBXO41	0.370797	0.535966	0.660478	0.395887	1.05855	0.918741	0.800958	0.700629	1.07405	0.440232	0.433667	0.360924	0.368553	0.425999	0.753191
FBXO42	4.68574	5.4949	6.01867	4.32412	5.27308	4.79224	6.3709	3.9335	9.69192	4.56332	5.21424	4.85263	3.75808	3.40879	2.99436
FBXO43	0.0829252	0.0732502	0.0514512	0.035607	0.0107343	0.082378	0.0315605	0.0614142	0.0168323	0.0693865	0.0858112	0.0049446	0.0178343	0.0433404	0
FBXO44	2.06493	3.36552	3.16581	1.89621	6.57464	2.75732	2.28752	1.9257	1.10058	1.54427	1.61838	1.4526	0.992165	1.40526	1.4845
FBXO45	3.11238	3.58356	3.57904	7.47978	3.60558	5.78153	3.65502	3.98222	35.6385	10.5132	14.9472	10.4601	11.6318	6.4497	1.96531
FBXO46	2.06755	3.44512	2.88635	10.5647	8.53568	7.94308	3.02109	1.77732	8.37855	5.91597	5.11955	7.43654	8.54383	6.94658	3.20786
FBXO47	0	0	0	0	0.0156165	0.0256812	0	0.00893467	0	0	0.0113491	0	0	0	0
FBXO48	0.325371	0.522562	0.434813	0.292316	0.311024	0.497268	0.219089	0.326235	0.843334	0.481672	0.857041	0.388019	0.344497	0.335746	0.515199
FBXO5	0.685858	0.5716	0.483048	1.25122	0.33113	1.53102	0.391545	0.461268	0.4628	1.48899	2.04025	0.90855	2.16472	1.37086	1.02491
FBXO6	1.74981	1.84613	1.91325	4.84646	2.01983	5.32433	1.86226	1.37	2.09762	1.98065	3.2976	1.58012	4.72961	1.47804	1.53344
FBXO7	12.0164	11.3002	10.9416	13.3724	7.05005	18.5652	12.0192	9.46198	10.8482	13.7393	21.3969	8.5981	19.1053	10.3245	11.3277
FBXO8	3.48676	3.59121	3.81553	3.82294	2.04988	3.41219	3.91667	3.08285	5.29991	4.4145	7.14346	2.6536	3.64599	2.38368	3.03097
FBXO9	4.88694	4.61057	4.10045	7.70239	4.77686	7.80016	3.72862	3.38939	9.01817	3.93552	6.25607	4.15813	4.60658	3.96707	2.82195
FBXW10	0.104073	0.1111705	0.0726832	0.137044	0.103237	0.0784119	0.0436181	0.0903356	0.05782	0.254203	0.101338	0.217052	4.89E-17	0.266607	0.0640247
FBXW11	5.62858	5.36132	6.09695	10.773	3.85999	8.49335	4.85409	5.06428	9.57148	7.96004	9.09155	5.83054	12.0631	6.50946	5.58238
FBXW12	0.0553	0.0266444	0.022874	0.0284941	0	0	0.0157849	0.0368595	0	0	0	0	0	0.00722555	0.0397089
FBXW2	6.47733	5.9488	5.61278	4.96672	4.28134	6.63034	5.32737	5.76547	5.58128	4.26249	4.81785	4.23992	4.41809	4.55065	4.76149
FBXW4	9.57148	11.5097	11.4215	9.79008	17.1029	17.8902	8.91282	5.60438	8.68681	4.99484	6.27799	5.95793	8.93404	5.91447	5.46611
FBXW4P1	0.735852	1.05365	1.04602	0.576748	1.41672	0.91779	1.31351	0.72765	0.416536	0.611377	0.163797	1.30518	0.260788	1.25668	1.54795
FBXW5	10.2296	11.83	12.9353	19.4605	27.4603	29.8654	11.0248	7.05175	23.0577	20.1254	26.5537	14.8548	29.0919	17.1574	11.2976
FBXW7	5.0021	7.63462	8.45188	4.6548	5.31977	3.59529	3.81019	5.72747	7.90204	6.44466	5.78959	5.66396	4.69335	4.08944	3.43208
FBXW7-AS1	0.214176	0.370457	0.846881	0.147131	0.105483	0.253045	0.258657	1.41872	0.1745	0.806635	0	0.654587	0.0890905	0.430404	0.436228
FBXW8	2.11746	2.16907	2.21358	2.51445	2.96563	4.46334	2.31453	2.04552	1.24961	1.32985	2.06822	1.5426	1.42027	1.66282	3.05459

FBXW9	1.83865	1.8103	1.43289	3.55616	3.33207	4.90098	2.60133	1.27882	1.97965	2.19064	3.36911	1.83994	2.65626	2.15868	1.35854
FCAMR	0	0	0.00687947	0	0	0	0	0	0	0.0104373	0.0281627	0	0	0	0
FCAR	0.0176799	0	0.0146261	1.09318	0.0411946	0.511844	0.0100932	0.0157125	0	1.76412	2.33514	0.0126505	0.850596	0.29569	1.05371
FCER1A	3.35723	4.91013	7.55962	5.85492	0.555438	0.997986	2.58569	5.80837	2.37098	1.77024	5.83061	1.94734	1.07663	1.25628	1.54057
FCER1G	6.77453	3.0188	4.30856	42.6548	3.28469	34.8106	8.18205	6.33385	0.810754	19.9052	42.8796	1.26087	18.191	6.7948	16.1964
FCER2	0.0268793	0.0323771	0.0111182	0.0138499	0.0208764	0.114437	0.383624	0.0477761	0	0.101209	0.0151717	0.00961642	0.0173424	0	0.057903
FCF1	4.10451	3.60677	3.23141	7.56915	2.36354	6.31805	2.77752	3.54758	4.4612	6.23612	8.70504	3.34683	6.89629	4.76659	4.57269
FCF1P2	1.37205	1.17082	1.23079	1.20951	0.308136	0.731937	0.6606	1.3369	1.71127	0.954398	1.10101	0.674207	1.16255	1.33051	0.99709
FCGBP	2.36796	15.9001	24.8939	9.65333	8.34354	0.619194	8.45277	19.575	3.11435	0.228618	0.376183	2.9704	0.494689	0.126195	0.172367
FCGR1A	0.127307	0.108422	0.0970486	2.03135	0.611239	2.77703	0.0501507	0.179369	0.156998	2.20304	6.03973	0.119466	0.738422	0.242177	2.30659
FCGR1B	0.136914	0.0937605	0.0598166	0.65707	0.0657136	0.484824	0.0632309	0.0900889	0.0184506	0.408304	0.521987	0.0709537	0.206182	0.0232314	0.361664
FCGR1CP	0.00078417 2	0.0476194	1.39E-34	1.29636	0.39729	1.54574	1.95E-22	0.0839321	5.44E-35	0.426589	1.53796	6.10E-11	0.198493	0.162343	1.53722
FCGR2A	3.55203	0.728756	0.775274	15.8451	3.28566	16.3879	1.34805	3.48934	0.259331	15.0328	42.6489	0.653833	15.5844	6.0167	15.869
FCGR2B	1.68947	1.09447	1.3668	3.16988	3.76973	5.36557	3.22886	2.03881	0.371469	2.44693	6.18431	0.411893	3.88414	1.01034	1.98889
FCGR2C	2.29233	0.520531	0.456845	0.498561	0.944775	2.2778	1.61454	2.32049	0.0699042	1.27095	2.59595	0.108766	0.652333	1.22139	2.39036
FCGR3A	0.983538	0.152404	0.0884739	9.63732	1.18911	18.012	0.238562	1.25389	0.201344	8.38652	17.3017	0.200691	4.46525	1.3991	6.95579
FCGR3B	0.466041	0.130694	0.00844602	2.91546	0.361876	0.744677	0.417055	2.32066	0.236434	9.64339	17.7657	0.0657793	3.27956	0.387989	1.84621
FCGRT	19.6952	12.3292	16.4116	14.8251	29.875	36.1025	19.557	12.3739	2.96479	12.3183	41.0832	3.31821	7.82473	6.77027	20.2643
FCHO1	0.995026	1.93444	2.64215	0.487604	2.93992	1.26199	3.77371	1.29862	7.6354	0.576397	1.06042	1.01567	0.273854	0.22911	0.549609
FCHO2	4.58126	3.62437	3.90905	5.43453	0.902157	4.69604	2.98141	4.31499	5.66435	6.33888	6.48284	4.88039	7.38959	4.74984	4.11032
FCHSD1	3.8218	4.93625	4.9913	50.7056	21.318	8.41695	4.57658	3.23716	44.1039	17.0731	14.6987	27.2827	22.1877	20.2201	5.96158
FCHSD2	4.76262	3.65812	4.58811	5.46575	3.2026	7.19335	3.84884	4.13643	2.07783	3.37695	4.53853	2.30505	5.05486	3.7041	6.0921
FCMR	0.378845	0.24217	0.201286	1.57185	0.348243	1.66727	0.0770878	0.303252	0.24546	0.78671	1.57899	0.43018	1.6737	0.929444	0.732536
FCN1	0.0885068	0.113323	0.184596	0.466116	0.41687	0.758941	0.0413144	0.0884341	0.00734479	0.669877	1.50116	0.025891	0.947463	0.225364	1.10427
FCN2	0.145563	0	0.0181131	0	0.0340106	0.175461	0.0499981	0.038917	0	0	0	0	0	0	0

FCN3	0.109165	0.21039	0.19868	0.944984	0.440886	1.17121	0.0997132	0.0388068	0.212722	0.822082	1.08446	0.21871	0.309905	0.330916	0.18813
FCRL1	0.00732375	0.0141148	0.00605872	0	0	0	0	0.026035	0	0.00919206	0.0248028	0	0.00472525	0	0.0420713
FCRL2	0	0	0	0	0	0	0	0	0	0.0224387	0.050455	0	0.0634413	0	0
FCRL3	0.0277162	0.00333853	0.0057322	0.0071406	0.0107632	0.0295	0.00791137	0.00615797	0	0	0.00782204	0	0.1111765	0.0181071	0.049755
FCRL4	0	0	0	0.00689494	0	0	0	0.00594612	0	0	0	0	0	0	0
FCRL5	0.0601118	0.0103439	0.0248644	0.00442478	0.0800352	0.0292482	0.024512	0.06487	0	0.0215561	0.0242353	0.00614452	0.0775677	0	0.0308315
FCRL6	0.282784	0.0980998	0.084218	0.10491	0.0702818	0.423785	0.167894	0.0703682	0	0.0851815	0.102153	0	0.0364902	0.0118236	0.129956
FCRLA	0.117527	0.103815	0.0972267	0.504647	0.212987	0.858958	0.123006	0.165377	0.107351	0.0614619	0.0773929	0.0700782	0.0695089	0	0.0140653
FCRLB	0.217252	0.0991661	0.0851334	0.223884	0.515082	0.369974	0.169719	0.213399	0.236737	0.358781	0.697028	0.245447	0.376245	0.233067	0.0164211
FDCSP	0.778262	0.0394714	0	0.25327	0	4.2551	0.0467681	0	0	0.205642	0.0924801	0	0.13214	0.0856323	0
FDFT1	8.66746	9.34351	8.95963	21.9524	9.57934	17.2713	10.9081	8.07324	16.139	16.5926	15.5433	10.033	16.2048	11.8997	4.34868
FDPS	14.4955	13.9341	13.1291	43.2661	23.2277	39.9928	14.5946	10.3851	34.7049	43.7288	37.1841	24.2616	40.5214	26.2246	10.6952
FDPS2	1.28421	2.95065	2.69983	1.20647	3.49796	0.623275	2.87046	2.71068	0.181076	0.609966	0.144243	0.9327	0.124143	1.39581	1.3565
FDX1	2.20061	2.08876	1.96614	3.12199	1.93704	3.59767	1.92631	1.71451	2.25128	1.68481	3.79256	1.39614	2.28118	1.93606	1.27467
FDX2	1.39515	1.80572	1.71993	4.31322	6.20399	4.70522	1.5617	0.972464	2.09893	2.91842	4.78661	1.62463	3.26522	2.58782	1.7286
FDXACB1	0.384963	0.654639	0.639088	0.670119	0.386928	0.772526	0.48263	0.389081	0.772209	0.369481	0.869151	0.43208	0.545454	0.455272	0.37941
FDXR	1.77226	3.05679	2.207	5.26538	13.179	5.49841	2.64778	1.35721	6.45229	4.04646	3.6182	3.60194	3.22964	4.11889	1.90889
FECH	1.87931	1.1261	1.16272	1.80888	1.09161	2.71844	1.32883	1.36213	1.05725	1.16139	1.83073	1.21955	1.93471	1.09189	1.49331
FEM1A	7.73041	7.78575	8.57167	9.43064	11.2037	10.6425	9.77495	6.33508	12.3404	6.26428	6.31392	6.31534	11.8514	6.6362	4.17616
FEM1B	8.47149	7.90505	8.4276	9.07838	4.8861	8.26479	7.01968	8.97559	14.1799	10.5469	13.0041	6.52195	13.3132	9.28652	6.67807
FEM1C	3.82201	3.05574	2.9214	3.71304	1.15027	3.87815	2.40466	4.36615	4.71781	5.2967	5.77523	4.28729	8.45869	4.84197	3.87653
FEN1	2.05806	1.53601	1.41046	7.46469	2.13125	8.2724	1.50895	1.16556	1.42525	2.98826	4.21381	1.89127	8.33159	3.00017	2.98461
FENDRR	0	0.00600791	0	0.00856666	0.0129128	0.0176958	0	0.0036939	0.00506207	0.0156503	0.0234605	0.0148702	0.0294988	0.0238957	0.0716301
FER	2.10751	2.44167	2.82299	2.60765	0.560365	2.05612	1.72442	2.07547	1.43997	2.57367	2.4376	1.80562	4.15056	3.07528	2.30533
FER1L4	0.162032	0.137061	0.145453	0.0213165	0.326664	0.173194	0.137768	0.171576	0.0461853	0.0389427	0.038918	0.106071	0.0355889	0.255857	0.193091
FER1L5	0.039365	0.0275879	0.0266445	0.00368789	0.0333532	0.0700848	0.0286018	0.0222628	0.00435838	0.0134747	0.0121195	0.0281667	0.00230892	0.0168332	0.0256969

FER1L6	0.0191233	0.0331701	0.0126561	0.0236486	0.0475282	0.0814163	0.0436688	0.0271924	0.847758	0.187214	0.120892	0.448367	0.229492	0.415576	0.137318
FER1L6-AS1	0.009997	0	0	0	0	0.0170246	0	0	0	0	0	0.0786843	0	0.0992725	0
FER1L6-AS2	0	2.43E-23	0.0109528	0	1.21E-20	0	0	0.0235327	0.0161245	0.0166172	0	0.0867969	0	0.0145411	0
FERD3L	0	0.104538	0.149575	0.22359	0.0561705	0.277116	0.082575	0.0642738	0	0	0	0.0258742	0	0.0188993	0
FERMT1	5.3331	6.63499	5.41919	9.87598	4.35494	9.21985	5.69929	5.16686	3.72088	4.40976	3.55544	5.58091	11.3141	7.59877	4.92964
FERMT2	4.82233	1.88924	2.34242	2.59912	1.99543	8.88811	3.25596	2.12789	1.60546	7.7577	13.7196	1.28972	4.82975	5.73677	11.4264
FERMT3	1.84092	1.39821	1.41791	4.12136	4.24008	7.0578	1.90518	1.43457	0.364469	3.18696	5.83529	0.609949	3.40527	1.78211	4.46712
FES	1.32788	0.623897	0.962055	1.93788	2.71604	4.2839	1.19595	0.894244	0.391746	1.90471	3.05389	0.519328	1.51659	1.17249	3.24546
FETUB	1.0784	1.65448	0.551712	0.116981	2.68903	0.773258	0.72905	1.05928	37.0675	0.926082	3.21965	5.16787	0.16479	0.734188	0.142645
FEV	0.0123167	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEZ1	1.28276	0.537116	0.795889	1.32192	1.51814	2.54858	1.69127	0.71929	0.492853	1.99332	3.64604	0.546337	4.93622	2.15893	2.4453
FEZ2	5.14413	3.1608	3.96275	7.25062	3.53992	8.05376	3.15775	4.47336	3.17965	7.44219	11.0147	3.17417	8.41529	5.88015	6.18016
FEZF1	0	0.00509121	0	0	0	0.0141381	0	0	0	0	0	0	0	0	0
FEZF1-AS1	0	3.48E-07	0	0.00898967	0	0.0106127	0	0	0	0	0	0	0	0	0
FEZF2	0	0	0	0	0	0	0.0126673	0.00985984	0	0	0	0	0	0	0
FFAR1	0.0250737	0	0	0	0.0389482	0	0	0	0	0.0314701	0	0	0	0	0
FFAR2	0.20291	0.260707	0.335723	2.6719	0.525316	0.153578	0.167322	0.290531	0.631534	1.21677	2.36696	0.250046	2.32014	0.200316	1.3437
FFAR3	0.0257431	0.0124034	0.0106483	0.185703	0.0599819	0.0438398	0	0	0	0.0969307	0.159834	0.00920994	0.340491	0.0874541	0.129396
FFAR4	0.120372	0.177043	0.293499	0.130575	0.049205	0.0431558	0.101269	0.292778	0.0154315	0.00795152	0.0286073	0.0271987	0.00817508	0.0099334	0
FGA	0	0	0	0	0	0.0049813	0	0	0.00712478	0	0	0	0.00377446	0	0
FGB	0.00637901	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FGD1	1.41545	1.68193	1.84863	3.22626	4.18132	4.46388	2.57377	1.02189	1.41345	2.81315	2.48159	2.80435	5.04011	3.1393	2.7464
FGD2	2.2345	1.41352	1.55931	2.89798	3.34109	4.91194	2.79426	2.13444	4.04503	2.23218	3.56063	1.4357	3.21193	1.3466	2.09569
FGD3	1.74599	1.30522	1.17775	2.42846	3.67559	3.23076	1.13088	1.36222	2.38333	6.44627	2.80195	3.73019	4.49959	3.30299	2.17803
FGD4	4.16011	3.02893	3.3329	2.53883	0.995699	2.36077	2.43077	3.33338	2.39217	3.15995	2.47018	2.25644	3.06774	2.31819	2.28476
FGD5	6.38523	2.58297	2.91874	2.84318	6.06569	8.79551	5.386	2.64376	0.578338	2.22641	2.14871	1.18222	4.66919	4.46738	7.66507

FGF4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FGF5	0.901396	0.638384	0.640631	0.373284	0.131848	0.144523	0.426609	0.674332	0.0825153	0.503956	0.492089	0.237313	0.132155	0.399035	0.538839
FGF6	0	0	0.0257333	0	0	0	0	0	0	0	0	0	0	0	0.0446725
FGF7	3.55677	1.30492	1.53383	1.85618	0.359377	12.8722	0.875783	1.73566	0.0840627	6.23427	10.9152	0.0673149	3.61934	3.50121	17.8954
FGF7P3	0.611584	0.574981	0.780855	0.255845	0.0658005	0.430847	0.388402	0.686674	0.0867645	0.137289	0.154674	0.231987	0.252798	0.327517	0.242961
FGF7P6	1.02067	1.36178	1.42038	0.203734	0.644295	0.272701	0.43053	1.21175	0.49082	0.450469	0.593218	0.40196	0.212022	0.183578	0.375553
FGF8	0.0208496	0.0100457	0	0	0.0323866	0.0177532	0	0.0185294	0	0	0	0	0	0	0
FGF9	0.0153265	0.0123076	0.00422639	0.0105296	0.0079358	0	0.139995	0.00908063	0	0.102594	0.0115345	0.0365551	0.0527392	0.0320412	0
FGFBP1	6.47596	10.075	12.1528	62.1002	6.85628	33.6511	11.7526	9.57197	36.9859	100.424	43.6132	62.1529	157.267	76.1718	12.5799
FGFBP2	2.01588	2.62817	3.85854	0.0611006	0.0613991	0.286082	3.99406	0.860643	0	0.0248052	0	0	0.0127513	0.0206585	0
FGFBP3	0.559621	0.360962	0.365886	0.213939	0.77114	0.507253	0.144281	0.336911	0.1539	0.124616	0.183409	0.071043	0.0640599	0.0235873	0.103702
FGFR1	7.47198	3.63552	5.29136	3.14816	8.09326	12.6684	10.1411	4.14745	0.679711	5.13838	7.80077	2.00721	5.71166	7.62228	15.1445
FGFR1OP	1.47432	1.4595	1.28115	2.16408	0.808279	1.29228	0.763863	1.23317	1.13165	1.41502	2.2727	1.38291	2.46199	1.96521	1.62801
FGFR1OP2	3.35971	3.20919	3.30851	3.80321	1.02777	3.62445	1.94738	2.8225	3.48291	4.90881	7.353	2.84583	5.62075	3.83846	3.39965
FGFR2	8.99924	13.9208	13.6539	9.88981	9.31558	11.2024	9.91316	9.19263	5.13837	2.62025	2.79682	2.62	2.69863	3.48473	0.920906
FGFR3	16.4572	42.1821	52.4421	26.1813	31.9493	50.4822	33.1405	33.5298	11.9189	12.0348	6.1181	16.5264	14.6766	17.6408	4.24342
FGFR4	0.454493	0.128608	0.220818	0.617056	0.313771	0.700275	0.115317	0.179518	0.0615023	0.271636	0.138446	0.13421	0.246691	0.305406	0.0932441
FGFRL1	1.09388	1.05409	1.31304	1.36305	2.45436	3.51263	2.00813	0.826008	0.862025	1.31909	1.16221	0.736658	2.23262	1.27047	2.07407
FGG	0	0	0	0	0	0.0869383	0	0	0.0138165	0	0	0	0	0	0
FGGY	0.973635	1.23759	1.1658	1.40602	1.47259	1.47809	0.841063	1.0873	1.08436	0.836114	1.49682	0.989993	0.686044	0.820208	0.91991
FGL1	0	0	0	0.06131	0	0.0379936	0	0	0	0.0186677	0.0503707	0	0	0.0077735	0
FGL2	6.37681	3.67335	5.38301	2.97282	0.825449	4.58021	4.09237	5.50333	0.574543	2.74952	5.35	0.90014	5.12886	1.84494	7.74061
FGR	0.893006	0.410158	0.469491	2.98443	0.803767	2.52276	0.323987	0.645288	0.233779	3.06915	3.53303	0.406074	2.12697	0.876743	2.07353
FH	9.13574	6.51004	6.87066	12.6465	5.56471	14.0275	6.63784	5.88276	13.6324	12.5709	14.4132	9.39287	17.2671	10.7286	7.44124
FHAD1	0.0210925	0.00868095	0.0311886	0.0636699	0.0961079	0.132691	0.0822857	0.0344481	0.00548572	0.0791469	0.122523	0.0386753	0.0900905	0.0707955	0.689654
FHDC1	3.28217	4.44306	4.85435	4.44235	6.39651	3.2965	4.404	3.14227	10.7436	4.97563	2.67304	5.57349	3.59469	3.95159	1.49769

FHIT	0.34334	0.355823	0.342986	0.267035	0.362259	0.281317	0.29586	0.414519	0.153847	0.11383	0.175512	0.108929	0.0543354	0.106651	0.158158
FHL1	20.4527	5.98639	9.21869	1.60842	3.6149	9.87928	14.1797	5.45389	0.51098	3.20169	7.76127	0.908629	4.73545	4.50553	12.2276
FHL2	4.57766	3.43705	3.99093	15.5581	7.16175	14.4717	4.68237	2.35183	10.0592	12.5945	17.0707	7.76224	22.3024	11.752	6.14919
FHL3	4.32972	4.82502	4.78351	8.75111	5.27196	13.4028	4.52891	3.95961	2.92573	5.67965	12.6923	2.68829	7.84881	9.32171	6.63923
FHL5	3.83235	0.743721	0.876257	0.197467	0.363791	2.8009	1.28231	1.13056	0.0713068	1.5766	2.69788	0.121873	0.769255	0.973653	2.88181
FHOD1	2.14243	2.31408	2.07913	3.57865	6.18964	5.7033	2.47976	2.06618	1.96411	5.3041	3.51487	6.13192	6.96833	5.34946	6.77066
FHOD3	1.18984	1.18543	1.39753	0.484915	1.62904	1.67955	2.0902	0.692925	0.312905	0.639777	1.11285	0.332945	0.914545	0.916876	3.46418
FIBCD1	0.00696451	0.0201336	0.00576153	0	0.075728	0.118604	0.254459	0.0123789	1.67095	0.1486	0.393103	0.0896992	0.0314542	0.0873589	0.0500095
FIBIN	3.64282	1.30988	1.5737	0.547628	1.94999	4.5773	2.36541	2.05334	0.403322	0.947287	1.99963	0.484936	0.809943	0.921759	2.64342
FIBP	6.8631	5.36001	5.45319	10.2799	11.4542	19.6926	8.14585	5.84403	11.6436	8.39357	20.7383	8.11984	9.30919	8.4502	6.9911
FICD	1.24757	0.979314	1.10165	1.24232	1.08871	1.64714	1.44044	0.859579	0.785305	0.985237	1.21846	0.661978	1.02198	0.820535	1.18773
FIG4	2.29567	2.33787	2.70073	2.66532	1.55143	3.71273	2.57006	1.81498	3.51299	1.89904	3.02064	1.39196	1.83702	1.85037	1.57351
FIGLA	0	0.0154441	0.0265174	0	0	0	0.109795	0	0	0	0	0	0	0	0
FIGN	0.620794	0.260363	0.263435	0.228717	0.254817	0.282101	0.378273	0.394486	0.156696	0.165521	0.326797	0.306103	0.166024	0.206776	0.244826
FIGNL1	1.09476	1.06109	0.789599	1.61669	0.429263	1.53492	0.927159	1.08628	0.541085	0.837763	0.837498	0.69359	1.58136	1.14545	0.598359
FIGNL2	0.256378	0.168662	0.187622	0.137183	0.444195	0.398822	0.197026	0.140214	0.0360277	0.0556928	0.166972	0.0564447	0.171776	0.11338	0.4744
FILIP1	0.681248	0.273335	0.338948	0.267327	0.19206	0.992937	0.406906	0.28225	0.0738153	0.629867	1.09473	0.107552	0.312838	0.274957	0.863462
FILIP1L	6.89021	5.09428	5.81979	2.57473	2.12931	6.84027	2.97668	3.00192	19.6426	8.50501	11.9941	6.89169	7.19547	11.1948	10.534
FILNC1	0	0	0.0134638	0.0167719	0	0	0	0	0	0	0.0551173	0	0	0	0
FIP1L1	6.69614	6.68589	6.71829	7.62036	6.19166	10.6658	5.07214	5.76058	6.28363	5.4821	6.80211	5.04445	8.92299	6.0989	5.28305
FIRRE	0.0284732	0.0274377	0.0188441	0.0645535	0.00884576	0.0727338	0.00650197	0.0303656	0.00693544	0.0500316	0.070714	0.024448	0.0220449	0.0297627	0.0327129
FIS1	28.2477	20.4454	18.4202	39.4373	40.7164	44.9052	25.2798	14.5003	44.6241	38.0086	81.7	21.8477	21.3773	19.7064	16.6856
FITM1	0.184591	0.433576	0.209971	0.237783	0.501783	0.294706	0.131725	0.287085	0.112405	0.02896	0.0260475	0.11557	0.133984	0.120594	0.0662739
FITM2	2.13628	2.40883	2.05365	1.25363	2.61169	2.62326	2.94729	1.67002	4.75181	1.6013	2.72421	1.84702	1.61123	1.42666	1.38485
FIZ1	0.939643	1.42108	1.54748	2.52841	3.98684	3.82267	1.75829	1.05158	1.96028	0.928191	1.68933	1.13924	1.99277	1.64154	1.9367
FJX1	2.46331	2.67251	3.07099	6.85221	6.16768	7.28249	2.35033	1.49263	3.04199	2.60525	4.30728	2.13233	8.35224	4.22692	1.74407

FKBP10	6.14098	3.17541	4.17045	9.15765	15.8361	21.8659	5.7284	4.03077	2.29748	14.2968	32.1881	3.77944	12.6011	12.6242	34.5852
FKBP11	2.12909	2.62712	1.68974	4.70927	4.14074	6.64727	1.89731	1.93831	1.07514	3.19364	8.44149	1.94453	2.30063	3.64586	6.21473
FKBP14	1.71795	1.60374	1.85422	2.13001	0.986812	2.3923	1.18507	1.47905	0.90447	4.3068	8.15121	1.23884	2.38713	2.66089	4.47176
FKBP15	5.24135	5.51619	5.48404	8.01953	7.89289	8.85316	5.89908	4.62487	9.17203	7.4225	7.11586	5.9692	9.90401	6.63359	6.46177
FKBP1A	29.4571	20.5696	20.0154	77.1522	23.0382	80.655	25.4543	23.5954	40.1405	67.4961	110.526	43.6372	87.7425	49.2937	50.4125
FKBP1A-SDCBP2	0.240055	0.116055	0.299782	0.266194	0.231947	0.114675	0.523707	0.104422	0.061014	0.93953	1.18803	0.379847	0.243616	0.3981	0.00436248
FKBP1AP1	1.5917	1.92066	1.82949	0.566119	1.24717	0.539726	1.80127	2.95433	0.480339	0.689488	0.190814	1.35056	0.199939	1.86992	1.23397
FKBP1B	0.615295	0.478159	0.689634	0.715897	1.32574	2.39987	0.702525	0.388068	1.32951	1.84346	3.38333	0.880521	2.65084	1.26557	0.798128
FKBP2	7.0048	6.24914	5.67199	11.5295	20.0316	12.8142	5.05871	5.74132	13.8065	9.16451	16.5975	8.00523	8.41606	6.71404	4.86992
FKBP3	6.40858	5.54636	5.72803	12.6773	2.88234	8.92403	3.09947	5.16099	8.2025	10.9977	17.708	5.70423	9.58871	8.34208	5.69977
FKBP4	8.92642	9.38314	9.59027	19.0745	15.3363	12.9319	8.91382	7.12446	17.374	11.2661	7.58418	11.4292	24.8743	10.9573	5.13515
FKBP5	17.2506	6.0485	6.01493	7.02175	1.28197	10.0944	3.34653	13.7729	2.49289	1.68083	2.16566	2.1377	1.98236	1.76633	1.2853
FKBP6	0.240038	0.140982	0.182615	0.073936	0.164645	0.124763	0.179755	0.080462	2.93E-29	1.09E-30	0.0956564	0.0458602	5.98E-10	0.0316704	0.0409378
FKBP7	0.996171	0.729556	0.698839	0.813055	0.173309	1.8661	0.673339	0.991551	0.359114	1.92046	4.46224	0.205283	0.853538	0.916331	3.14738
FKBP8	34.2955	29.8869	28.8944	50.0373	97.4574	87.6448	33.8437	18.3215	68.4644	53.2234	64.3923	47.9256	65.8075	33.1659	25.2561
FKBP9	23.3378	22.1502	24.9485	22.5917	27.6985	49.9938	29.6705	16.6846	15.9669	22.0819	30.2942	14.082	20.3393	18.4259	35.3678
FKBP9P1	0.536388	0.435236	0.513051	0.353257	0.471043	1.21414	0.585086	0.429674	0.117316	0.599862	0.527758	0.355423	0.108639	0.40949	0.780026
FKBPL	0.357305	0.358829	0.281343	0.829589	0.969611	0.758769	0.594736	0.313717	3.20339	0.778042	0.860163	0.840911	0.644377	0.258741	0.23493
FKRP	0.906003	0.950086	0.826666	1.66824	2.80433	1.88325	0.859503	0.680851	0.924917	1.32107	1.31606	1.16784	1.63329	1.69213	1.94214
FKSG29	1.56063	1.70561	1.70043	1.37292	0.413888	0.583401	2.21649	2.57095	0.23179	1.09881	0.300788	1.3618	0.245588	1.27322	1.20263
FKTN	1.77325	1.52558	1.53737	1.37712	0.401051	1.21034	1.29253	1.85076	0.787829	1.12527	1.66868	0.801886	1.00863	1.26635	1.28349
FLAD1	2.90388	3.54377	3.24552	5.89437	5.13722	5.46971	3.70069	2.5286	5.05484	3.32254	6.08441	3.66765	3.90327	3.74826	2.17995
FLCN	2.53064	3.01551	3.13405	3.48931	7.2758	6.04467	2.97557	2.00311	2.49994	2.91733	3.47583	3.2507	3.99264	3.57607	3.28751
FLG	282.716	470.218	435.348	52.6972	467.973	134.379	1030.62	271.495	3504.26	154.158	271.833	469.347	10.3004	27.3671	12.4535
FLG-AS1	0.107469	0.102313	0.103169	0.19247	0.122029	0.229429	0.121656	0.130629	0.519694	0.199416	0.221041	0.162157	0.0640169	0.466579	0.230902
FLG2	110.573	258.435	324.885	23.1306	119.012	30.9243	428.832	117.703	1108.72	67.1849	114.068	67.8009	2.8924	6.5795	1.20601

FLJ40288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLJ42102	0.139663	0.0876788	0.106266	0.0330938	0.0831387	0.0273441	0.109998	0.0761059	0.0130368	0.0134352	0	0.0612746	0.0207194	0.111108	0.015373
FLJ42351	0.0450254	0.0650818	0	0.0464	0	0.115016	0.0514085	0	0	0	0.0508281	0.0322169	0	0.0235322	0
FLJ42393	1.63411	1.35816	1.51238	0.715698	0.856688	0.513087	1.22441	1.29796	0.124385	0.512743	0.126823	0.686933	0.164737	1.81487	1.20273
FLJ42627	1.44257	2.32049	2.68197	1.17857	1.90048	1.72898	2.22593	1.63463	0.816368	0.982795	0.557504	1.52089	1.43708	1.48959	1.67164
FLJ42969	0.0118804	0.0915867	0.00982832	0.134674	0.16609	0.121392	0.040694	0	0.217035	0.477157	0.429168	0.246522	0.643875	0.223532	0
FLJ43315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLJ44635	0.285591	0.127773	0.194071	0.0735774	0.17428	0.277916	0.232913	0.154098	0.0248441	0.102413	0.426024	0.0802795	0.164519	0.309186	0.380848
FLJ45513	0.760167	1.20505	1.06219	0.334952	0.616271	0.382741	1.77363	1.03991	0.0939521	0.318133	0.0995262	0.307533	0.0355519	0.472303	0.522285
FLJ46284	0	0	0	0.0141709	0	0.00585443	0	0.0122208	0	0	0	0	0	0.0143738	0
FLJ46875	0.483798	0.512421	0.583096	0.262178	0.576586	0.500729	0.476194	0.637526	0.0355559	0.193681	0.174202	0.193975	0.137236	0.272472	0.4612
FLJ46906	1.17912	1.23649	1.22409	1.50102	3.55541	1.41741	1.45187	1.10954	2.33707	1.85714	1.82697	2.84538	0.790594	1.29293	0.398438
FLNA	75.1259	51.9991	63.4694	123.665	102.332	188.584	102.395	35.8284	48.7129	98.1087	69.1977	82.1388	235.863	99.7395	151.309
FLNB	27.7051	35.5957	38.3958	64.2907	39.8676	53.7623	35.4739	23.9405	43.8635	57.9074	28.9837	53.7289	130.495	50.6997	31.2851
FLNB-AS1	1.50323	2.57805	2.85552	1.72373	2.53245	0.565389	1.96194	1.25908	0.509474	2.54963	0.365171	3.1127	0.233665	6.85849	1.54103
FLNC	3.20885	1.31664	1.95689	1.09617	4.45727	5.25315	7.86226	0.931821	1.33248	1.8786	2.01847	0.77379	2.72396	2.74126	8.33637
FLNC-AS1	0.124202	0.0199475	0.0342497	0	0	0.0352522	0	0	0	0	0	0.0296234	0	0.0432757	0
FLOT1	1.50986	1.09355	1.08923	3.45156	2.74633	5.06376	1.15669	0.80222	1.53632	2.93629	3.74433	1.36728	3.5059	2.27827	2.49241
FLOT2	9.82295	8.98987	10.1543	37.6374	20.9898	55.8109	7.86224	8.1794	5.70641	14.7649	14.6401	12.6803	28.125	13.6437	10.0095
FLRT1	0.242336	0.937522	0.518882	0.367256	2.94502	0.449105	0.675451	0.633434	0.112847	0.16997	0.104599	0.555892	0.0137959	0.279386	0.2559
FLRT2	1.73967	2.74939	3.27367	1.3925	2.97656	1.71382	1.80352	2.19672	1.79762	2.50255	3.66733	1.9219	2.08386	2.4853	7.41753
FLRT3	1.28253	2.47454	1.55106	4.9667	1.00057	2.19391	0.879924	1.73271	7.55775	10.9503	11.9981	7.60485	14.197	7.83629	2.59349
FLT1	1.37779	0.862531	0.907064	4.24765	0.99975	5.44087	0.690852	1.41799	0.849558	2.3847	2.66912	1.21887	4.77797	3.49468	3.95736
FLT3	0.355241	0.162743	0.29388	0.114027	0.0271383	0.0545461	0.0731414	0.393341	0.0425551	0.0730924	0.0525931	0	0.123993	0.0486988	0.200723
FLT3LG	2.05458	1.19538	1.82797	1.57799	3.19147	3.82898	2.41224	1.10245	0.330485	1.02175	1.5973	0.540887	1.00045	0.891466	1.28046
FLT4	1.15552	0.816795	0.940948	1.56782	2.95404	3.44521	1.43928	0.585899	0.25146	1.38665	1.55797	0.93048	3.12473	2.90605	2.99123

FLVCR1	1.05213	0.903094	0.822044	1.12843	0.568988	0.866016	0.654037	0.827692	0.431873	0.493978	0.690642	0.407086	0.633576	0.600807	0.548436
FLVCR1-DT	0	0.177559	0.406488	0.151908	0.305301	0.209193	0.58907	0	0.0897632	0.154177	0.665621	0.0527372	0.190214	0.179764	0.141131
FLVCR2	2.0923	1.19592	1.13779	2.07662	2.10148	3.28841	1.79685	1.74248	4.16111	1.40431	2.97329	1.34489	1.40047	1.01704	1.48367
FLYWCH1	4.77497	4.91638	5.31987	5.03384	12.2626	7.35672	5.11766	3.85743	3.1862	2.85876	1.99814	2.99116	3.29915	3.65258	2.72591
FLYWCH2	3.96609	3.75669	3.50474	8.45302	7.94591	9.24863	3.422	2.68361	6.28483	5.43038	11.7782	3.41831	6.32458	3.58037	2.78318
FMC1	0.852951	0.871531	0.582183	1.2957	1.48767	1.67337	0.881352	0.628547	0.747778	0.695094	3.1912	0.384927	0.24857	1.06044	0.691845
FMN1	2.09935	2.82242	2.66793	1.84641	2.45104	2.31449	2.77108	2.4566	2.73757	1.0964	0.91609	1.38914	1.56519	1.01759	0.692261
FMN2	0.0179654	0.0190432	0.0178347	0	0.0223252	0.272292	0.0451271	0.0510917	0	0.00450969	0.00811229	0	0.0162277	0	0.0206405
FMNL1	2.12091	1.55113	2.14608	4.76871	3.90258	5.85558	3.21544	2.07701	0.313095	2.93329	3.13956	0.522579	3.99211	2.27498	5.88202
FMNL2	4.49162	3.20019	3.19379	12.7312	2.93397	10.134	2.37934	3.55645	1.70378	6.15847	4.70027	3.10397	13.0543	9.27508	4.29837
FMNL3	2.82946	1.79689	1.81058	2.92124	3.88984	5.27848	2.48525	1.91263	0.759775	3.08517	3.72152	1.68448	4.03091	4.49808	9.84582
FMO1	1.28955	0.668756	0.374605	1.35936	0.657513	4.03172	0.561973	0.901091	0.131877	0.778373	1.65577	0.0352179	0.177835	0.0308692	4.17045
FMO2	1.33081	0.538192	0.332088	1.91103	1.02344	3.51468	0.383606	0.77943	14.8576	1.8346	1.42351	1.07087	0.484212	0.136828	0.256917
FMO3	1.97563	0.846122	0.423728	0.667875	0.470879	4.34349	0.369984	1.04046	0.865683	2.65017	5.10948	1.00225	0.95094	1.19645	1.66632
FMO4	0.834074	0.861841	0.681692	0.994164	0.718046	2.00226	0.562212	0.714463	0.318205	0.66847	1.04366	0.409852	0.188025	0.399159	0.793747
FMO5	3.32281	1.58342	1.53719	0.390484	1.70917	1.01136	1.5475	2.09821	3.43446	0.512162	0.765014	0.886369	0.0705216	0.258973	0.565102
FMO6P	0.457416	0.246627	0.324348	0.10101	0.287593	0.111281	0.0621741	0.377476	0.0265277	0.0136691	0.0245888	0.0311708	0.0281069	0.0113841	0.187688
FMO9P	0	0.0327479	0.0140569	0	0	0.0289369	0	0.015101	0.0413886	0.0213267	0.0191818	0.0121582	0.0109631	0.00888074	0
FMOD	11.8806	3.9645	5.34925	15.0627	8.80793	34.1172	15.1147	6.37174	2.08558	8.90039	22.235	4.53515	18.4844	14.4947	34.4089
FMR1	4.95286	3.75647	4.08435	4.55794	1.31213	6.00876	2.73766	4.7514	3.87863	3.93791	3.5004	2.56781	5.36882	3.52914	3.01395
FMR1-AS1	0.0484773	0.0420428	0.0882284	0.0399658	0.0150604	0.0165111	0.0664197	0.0430826	0	0.0121688	0.0437798	0.0277494	0	0	0.0139239
FMR1NB	0	0.0109213	0	0	0	0	0	0	0	0.0284495	0	0	0	0	0.0976582
FN1	34.0809	8.34235	10.6618	57.7295	29.9614	110.216	35.9294	12.1441	8.87923	124.101	233.518	17.4493	96.4503	78.9158	273.195
FN3K	1.58271	1.45511	1.42957	1.39802	4.44033	3.39664	2.45247	1.59317	0.511393	0.34459	1.49498	0.658681	0.646037	0.523325	0.603032
FN3KRP	3.8256	4.8221	3.82128	8.89783	7.00956	6.76704	5.00354	3.46303	6.3468	5.78262	7.04621	5.20344	7.10671	3.94314	4.60954
FNBP1	6.52031	6.74587	8.1151	6.35378	6.18122	11.1564	8.12707	5.8187	6.31613	6.97376	5.60643	4.71235	11.9987	5.89459	9.48583

FNBP1L	4.03125	2.82353	3.11284	2.79694	1.15986	3.81835	1.76735	3.53791	1.10351	3.25903	2.60451	1.40772	4.56318	2.30641	3.5122
FNBP4	10.037	10.7504	10.544	7.55777	6.23819	8.00885	7.49465	9.02856	5.96364	5.26988	3.8332	7.11835	5.02131	9.07873	8.2733
FNDC1	1.62153	0.376171	0.312712	6.98996	11.3812	13.4522	5.20332	1.59806	0.124772	6.93472	17.1844	0.952972	8.10296	5.78098	40.253
FNDC10	3.12327	3.16143	3.04276	6.16456	9.75454	9.76305	5.07206	2.61256	11.0892	2.55846	7.01554	4.01082	3.34518	1.94487	1.35236
FNDC11	0.109769	0.141036	0.0756742	0.207388	0.142092	0.21809	0.0417771	0.0812949	0.0668434	0.11481	0.413053	0.170176	0.153449	0.210358	0.0262738
FNDC3A	5.76588	3.78845	4.40988	4.94509	1.7226	7.53948	3.64077	4.48564	1.57358	4.7436	5.8733	2.14565	4.71871	4.61864	9.52084
FNDC3B	6.23567	4.82393	6.0559	8.90715	3.59744	10.5664	5.78083	5.49534	1.9533	8.43734	12.578	3.65547	10.7442	9.31631	20.1808
FNDC4	1.06644	0.447095	0.51559	2.01244	2.15136	5.14172	0.442772	0.553886	0.421688	2.22502	5.72231	0.297298	2.54671	2.17156	3.06307
FNDC5	0.231793	0.240813	0.299618	0.0671819	0.371306	0.191201	0.289465	0.148061	0.0264654	0.0545482	0.0572392	0.0829269	0.00467348	0.155217	0.405702
FNDC7	0.00756309	0.010932	0.0125134	0	0	0.00643987	0.0431764	0.0134429	0	0	0	0.0108232	0	0.0158112	0
FNDC8	0.466863	0.329379	0.496571	0.378019	0.2849	0.809252	0.475936	0.251909	0.12184	0.0418543	0.207047	0.0715827	0.0645466	0.313718	0.215509
FNDC9	0.108857	0.0734287	0.0900544	0.0112181	0.0676372	0.0185381	0.0497159	0.116092	0.0795455	0.0273254	0	0.0934683	0	0.0398255	0.203233
FNIP1	4.91716	3.32812	3.85703	3.26108	1.65812	4.67363	3.39294	3.95076	2.21425	5.05219	6.20779	2.37761	5.28527	3.46254	4.5446
FNIP2	5.47694	4.37351	4.21262	5.09614	4.73718	4.32259	5.46045	3.78332	8.9407	6.31267	5.06342	5.53711	6.61319	4.62798	4.5369
FNTA	11.1278	11.8153	10.8096	17.8133	4.09333	15.9972	7.3582	9.5254	18.0587	16.0057	20.0683	9.52538	16.1913	12.1454	7.51002
FNTB	2.49409	2.13565	2.90767	3.53828	1.88573	3.86271	2.68871	2.89833	5.16677	2.16493	1.68589	1.93418	2.00797	1.80939	2.4413
FOCAD	3.35605	2.75657	2.21432	4.33487	2.83064	3.15826	3.02125	2.24368	3.44923	2.75412	2.8457	2.70287	2.50823	2.55959	3.02595
FOCAD-AS1	0	0.0790828	0.0452614	0.169146	0.169972	0	0.124936	0.0486232	0.0666327	0.137338	0.123525	0.0391477	0	0.0285947	0.0785729
FOLH1	0.310269	0.3406	0.218439	0.281539	0.171381	0.780728	0.101977	0.327014	0.461857	0.336298	0.533781	0.233073	0.447445	0.0650687	0.134289
FOLH1B	0.022791	0.0194781	0.0168928	1.28E-12	1.43E-28	0.0646802	0.026772	0.0308719	0.0973587	3.49E-14	3.62E-17	2.41E-20	1.60E-11	0.00798469	0.0370731
FOLR1	0.759092	0.0802849	0.183797	0.0190797	0.201315	0.504474	0.52848	0.378444	0.045097	0	0	0	0.0597271	0.0580587	0
FOLR2	4.29711	1.17324	1.92979	5.06092	8.58201	15.8729	7.89681	3.58251	0.323973	4.72558	13.1899	0.541733	2.35	1.9678	6.08305
FOLR3	0.0467536	0.0225266	0.0966948	0.096362	0	0.0597152	0.213527	0.0415507	0.256233	0.176042	0.290285	0.10036	0.497726	0.354315	0.100716
FOPNL	4.25409	4.06702	4.23425	6.13558	1.31267	5.95266	3.24544	4.67678	6.45582	4.88133	7.16554	3.24318	6.93921	3.87459	2.86853
FOS	49.6964	55.4123	70.1767	46.0967	45.7277	37.1748	62.7539	52.5913	121.363	117.116	156.294	211.812	118.243	92.5888	45.2803
FOSB	7.58161	12.0426	16.7317	6.60036	9.06342	1.79525	22.9951	9.35242	16.4741	25.2852	5.715	81.9405	18.6168	12.589	16.5654

FOSL1	0.330049	0.776031	0.961101	6.92497	1.02536	7.30687	0.452207	0.797831	7.87844	9.77622	11.8035	23.7383	49.4555	20.617	6.25669
FOSL2	32.3574	41.8814	36.876	53.914	92.3004	74.2172	42.3472	29.1637	67.9252	33.1226	37.2868	43.0148	45.2667	32.3771	37.775
FOXA1	1.23932	0.491553	0.481471	0.00705609	0.170173	1.28847	0.422158	0.894509	0.0250168	0.0171875	0.0231884	0	0.0485945	0.00715714	0.039333
FOXA2	0	0	0	0	0	0	0	0	0	0	0	0	0.0857491	0.00463077	0
FOXA3	0	0.00560617	0	0.0239815	0	0	0	0.0103407	0	0.0146038	0	0	0.0150144	0	0
FOXB1	0	0	0.0131224	0	0	0	0	0	0	0	0	0	0	0.00829032	0
FOXB2	0	0	0	0	0	0	0	0.0158334	0	0	0	0	0	0	0
FOXC1	8.15822	2.12647	2.15989	1.67187	1.70713	4.35711	2.68887	3.10581	1.57216	2.14568	1.92332	0.92783	2.64495	3.00262	2.4969
FOXC2	0.877136	0.106431	0.205009	0.212816	0.577411	0.562694	0.644488	0.15906	0	0.224634	0.279751	0.0729492	0.168771	0.323796	0.177946
FOXC2-AS1	0.0935179	0.03339	0	0	8.72E-37	1.79E-25	8.05E-16	1.54E-21	0	0	2.12E-13	0.0308719	0	0.0379171	1.35E-13
FOXCUT	2.18493	0.865736	0.784849	0.577723	0.468902	0.697666	0.95192	0.75372	0.192573	0.108249	0.0324542	0.0925685	0.14839	0.142743	0.0412874
FOXD1	1.43879	0.0245826	0.042208	0.210314	0.713277	1.12953	0.267968	0.217647	0.521956	0.84528	0.990654	0.219041	0.638617	0.421318	0.498252
FOXD2	0.321775	0.0620144	0.0860015	0.0714212	0.261448	0.400443	0.209131	0.114387	0.00602901	0.0434927	0.100591	0.0247949	0.124565	0.0983169	0.135078
FOXD2-AS1	0.369255	0.115643	0.114553	0.152211	0.487543	0.974689	0.263502	0.18049	0.0449711	0.150622	0.198	0.0594476	0.125077	0.299133	0.384465
FOXD3	0.25286	0.0793235	0.0740641	0	0.0521506	0.171522	0.355062	0.029837	0	0.0140459	0.0631664	0	0	0	0
FOXD3-AS1	0.157506	0.0206643	0.0620099	0.0386228	0.145543	0.143607	0.1971	0.0999236	0.0912895	0.0235198	0.063463	0.0536339	0	0.019588	0
FOXD4	0.0595209	0.0843001	0.0622626	0.0629012	0.398258	0.0432802	0.0796484	0.0887885	0.020381	0.0398449	0.0821596	0.0281929	0.0365417	0.0240486	0.0759862
FOXD4L1	0.0449313	0.0366851	0.0286401	0.057331	0.128477	0.132579	0.0185046	0.0131157	0.027272	0.0843161	0.0126394	0.026293	0.0310574	0.0825285	0.0852443
FOXD4L3	0.0407206	1.30E-07	8.87E-07	2.27E-09	6.24E-10	0.0390398	2.56E-09	0.0709156	1.07E-24	0.0654772	6.18E-17	3.04E-19	0.00743863	0.0414387	7.63E-19
FOXD4L4	0.0450324	0.0462744	0.0714814	0.0181398	0.0538898	3.82E-35	0.00766133	5.67E-16	0.0337957	3.48E-13	0.0104419	1.77E-05	0.00596794	0.0384369	4.20E-17
FOXD4L5	0.193261	0.241884	0.394092	0.158991	0.0956165	0.103814	0.122439	0.202999	0	0.0373714	1.13E-25	0.0618557	0.0144083	0.136153	0.197561
FOXD4L6	0.115748	0.08119	0.10861	0.0405608	0.22908	0.025437	0.124401	0.0521394	0.0146729	2.22E-06	0.0491099	0.0387624	0.0287329	1.21E-05	0.0636469
FOX1	1.18357	1.0342	0.813175	1.28861	2.84602	1.24123	0.503896	1.21231	3.45296	1.16658	0.732212	1.67461	0.957774	0.859726	1.07555
FOX3	0.023365	0.0112576	0	0	0.018147	0.019895	0.0666936	0.0415298	0	0	0	0.00835915	0.015075	0	0.0503327
FOX1	0.289062	0.108808	0.0971477	0.148944	0.463045	0.669173	0.43318	0.0561957	0.187024	0.306115	0.632236	0.213295	1.07238	0.920623	2.78915
FOX2	0.415461	0.154681	0.179661	0.379492	1.40805	1.02912	0.388112	0.226571	0.195494	0.628105	1.39635	0.351323	2.315	2.63526	2.23745

FOXG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FOXG1-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0.0164992	0	0
FOXH1	0.0281051	0.282857	0.265832	0.0751713	0.503199	0.200288	0.111379	0.263537	0.129295	0.0547049	0.0308783	0.429234	0.0349776	0.110816	0.116502
FOXI1	1.15917	0.514796	0.633738	0	0.970752	1.43332	1.08182	1.10184	0	0	0	0	0	0	0.057903
FOXI2	0.101952	0.143857	0.156635	0.0450275	0.0791832	0.0496061	0.174608	0.0388312	0	0.00914	0.0246623	0.00521066	0.00469848	0.00761206	0.0836661
FOXI3	0	0	0	0.00889246	0	0.0073475	0.00985234	0.0460126	0	0.0324909	0	0	0.0222696	0	0
FOXJ1	0.23669	0.291438	0.246572	0.523968	0.108937	0.171681	0.190173	0.179188	0.0213528	0	0	0.0250901	0.0226239	0.0183266	0.0503581
FOXJ2	4.2723	5.28854	5.86381	4.33312	4.2756	7.71777	6.88315	4.41217	6.29318	3.59775	4.52742	3.64598	6.22112	3.48834	4.57742
FOXJ3	6.72097	5.71046	6.3951	5.11421	2.56335	6.56197	5.64333	6.52484	4.62444	3.94129	5.37167	3.74864	6.32372	4.34371	4.95266
FOXK1	8.74051	10.8428	11.9785	11.2443	15.9257	15.1007	10.6428	7.75424	4.53843	4.99541	3.47259	7.48189	8.32472	6.83245	9.29775
FOXK2	4.17384	6.10723	6.20357	10.3158	6.80451	10.7892	5.73976	4.29567	8.44712	6.39783	7.30842	6.38525	10.4766	7.71891	4.7688
FOXL1	0.602155	0.0734057	0.132038	0.119622	0.315541	0.654808	0.281635	0.128951	0.0441781	0.418858	0.810795	0.0415285	0.40255	0.364005	0.448013
FOXL2	0.00793385	0.0152906	0.0393807	0	0.012324	0.0135111	0.00905862	0.00705095	0	0.0199156	0	0.0227075	0.0460699	0.0456124	0.034182
FOXL2NB	0.00567928	0.0273636	0.0234915	0	0	0.00483583	0.0259377	0	0	0.0213842	0	0	0.0219854	0.00890471	0
FOXM1	0.999006	1.10398	0.971676	5.5985	1.20263	5.41646	2.05349	0.981196	0.913697	2.57911	3.88336	2.06182	4.51342	4.34589	2.38413
FOXN1	3.87863	8.86018	8.46891	5.34118	9.5038	4.85891	9.61139	7.45071	8.38149	5.40658	5.69591	11.101	8.97457	4.18883	1.82387
FOXN2	1.88093	1.50635	1.71024	2.59757	0.519858	1.95509	1.19955	2.274	1.86253	2.51495	3.43846	1.51863	4.12722	2.64362	1.813
FOXN3	15.1099	16.3057	18.9208	8.54719	9.8449	13.4547	15.9255	17.2607	16.8236	8.6832	11.1772	10.5021	8.77424	8.25108	9.85342
FOXN3-AS1	0.644653	0.53838	0.60441	2.45804	1.66895	0.841668	0.490696	0.381943	1.3347	1.29457	1.57676	0.784153	1.06755	1.01077	0.678923
FOXN3-AS2	1.248	1.23798	2.45962	0.321525	0.342101	0.0937637	1.38302	1.04388	0.0447036	0.0921393	0.0207182	0.774789	0.0592061	0.335722	1.31786
FOXN4	0.0345213	0.00997972	0.0171351	0	0.0107247	0.0117578	0.0315322	0	0	0	0	0	0	0	0
FOXO1	10.1236	6.0942	7.17708	4.54713	3.76533	6.39123	8.16021	8.32311	7.30429	4.98627	6.09203	4.12111	5.61048	4.42886	6.26729
FOXO3	13.6127	9.14445	10.2816	9.03339	8.93863	13.0765	9.64343	9.88313	12.7441	7.2099	9.11361	7.46874	8.87562	7.6346	12.8798
FOXO3B	0.700905	0.609678	0.511932	0.349313	0.597819	0.729305	0.507616	0.557429	0.370736	0.207919	0.323486	0.321493	0.246221	0.344607	0.404494
FOXO4	2.4332	3.91008	3.39109	3.12011	5.8305	4.23785	2.86496	1.88598	5.71623	1.83929	1.65431	2.36918	2.30133	1.51015	1.28061
FOXO6	0.271132	0.769816	0.744995	0.159663	0.782157	0.230865	0.751812	0.413073	0.0471726	0.0607676	0.0327937	0.0970011	0.0374856	0.101218	0.139064

FOXP1	6.74426	4.75791	4.06186	6.48228	3.33036	7.41853	4.05393	4.96294	6.04045	4.66055	6.53219	4.35251	7.02648	5.03488	8.14801
FOXP1-AS1	0.845111	0.501154	0.537797	0.167483	0.252452	0.110708	0.185562	0.491081	0.0395866	0.0407962	0.0733866	0.209319	0	0.407716	0
FOXP2	0.872891	1.13098	1.24409	0.923123	0.319932	0.91028	0.668158	0.909404	0.549458	0.791928	0.900502	1.13921	0.533655	0.715927	0.403775
FOXP3	0.427496	0.355773	0.40188	0.640795	0.799876	0.37228	0.354982	0.457634	0.603471	0.28047	0.701948	0.437971	0.595516	0.426544	0.390688
FOXP4	2.02292	1.9456	2.03395	2.44551	3.10606	5.60479	3.23805	1.86696	2.20785	1.67963	1.29113	1.99303	4.22173	2.63507	2.87724
FOXP4-AS1	0	0.068409	0.046983	0.0292633	0.0882188	0.0725374	0.194532	0.100945	0	0	0.032056	0.0812735	0	0.0890471	0.163123
FOXQ1	2.19555	3.76978	5.56451	1.22385	3.78249	1.29164	5.64031	3.68071	2.24853	1.24004	0.980133	1.94229	1.9703	2.72789	1.70553
FOXR1	0	0.029013	0.06642	0	0	0	0	0.0178383	0	0	0	0	0	0	0
FOXR2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FOXRED1	2.00327	1.86437	1.89275	3.41174	3.14452	5.88936	2.22708	1.18065	1.63079	2.26288	3.65402	1.54656	3.12921	2.353	2.22585
FOXRED2	2.13255	3.37292	1.9682	2.74356	4.85186	4.96147	3.22218	2.6785	6.81283	0.980074	2.44347	2.62376	1.09012	0.94989	1.68542
FOXS1	0.632132	0.0592221	0.0871573	0.217143	0.654613	0.822329	0.661602	0.109236	0.149696	0.815429	1.72453	0.452307	0.634431	1.44082	3.32868
FPGS	4.29591	2.57628	3.4102	8.54329	6.10513	15.659	3.55868	2.36382	1.38034	4.78378	7.57359	2.17785	8.11459	5.5844	5.3031
FPGT	1.1052	1.58029	1.60054	1.98063	0.439356	1.37633	0.863621	1.49131	1.23216	1.57192	2.017	0.818044	1.43568	1.27364	1.45161
FPGT-TNNI3K	0.55313	0.701853	0.832483	0.104469	0.0525447	0.607746	0.391869	0.359176	0.0277357	0.148175	0.147568	0.085708	0.0205596	0.0837066	0.291716
FPR1	0.253206	0.105732	0.195505	13.6208	0.603086	5.40441	0.173462	0.405051	0.0616753	12.3307	32.7761	0.157019	12.7318	2.45264	9.47878
FPR2	0.0113335	0	0.0187518	2.68628	0.123234	0.443916	0	0.0503615	0	2.68848	6.56335	0.0324377	3.73659	0.580493	1.83923
FPR3	1.54404	0.862296	1.21202	5.73186	0.8449	5.25892	1.43238	1.67628	0.587646	7.11308	16.6083	0.389192	7.40929	3.69561	7.35786
FRA10AC1	1.79746	1.804	1.84715	1.40367	0.58933	1.36104	0.894765	1.93461	0.439335	0.632303	0.842536	0.458378	0.626003	0.893921	0.250099
FRAS1	0.307734	0.288455	0.330954	0.236406	1.13203	2.46189	1.01256	0.668806	0.512775	0.126405	0.145274	0.415363	0.251796	0.216397	0.707114
FRAT1	0.969023	0.62252	0.881086	0.980613	1.51879	1.10015	0.867177	0.5974	1.80745	0.701246	0.758835	0.418516	0.692798	0.511016	0.777312
FRAT2	5.07993	3.94446	3.51653	4.60768	8.02131	4.43273	4.9133	3.59117	4.116	3.05618	4.64456	3.25181	2.95927	2.23809	1.71834
FREM1	0.923458	0.73502	0.949322	0.135284	0.597687	0.410502	1.11123	0.697992	0.113018	0.0227262	0.0408812	0.0939315	0.0262858	0.0425859	0.305547
FREM2	0.246294	0.611279	0.354196	0.0900151	1.05209	0.0755954	0.881236	0.189616	0.381924	0.0413364	0.0856737	0.0573772	0.00369553	0.00598716	0.022621
FREM2-AS1	0	0.0557534	0	0	0	0	0	0	0	0	0.0870854	0	0	0	0.110788
FREM3	0.150257	0.0639779	0.0664877	0.0324092	0.0488513	0.26481	0.0478768	0.0776371	0.00425572	0.0350861	0.0394468	0.0050006	0.00225453	0.0401785	0.12044

FRG1	11.0883	6.66909	5.99208	10.9453	3.01138	12.425	4.33953	6.55163	7.90439	9.8799	14.143	5.72521	12.0288	6.22139	6.42974
FRG1-DT	0.0593868	0.117315	0.108084	0.0489599	0.0737986	0.126418	0.067806	0.026389	0	0	0.0201121	0.00424929	0.0114948	0.00620763	0.0341148
FRG1BP	2.46244	1.90787	2.05257	1.69116	1.23813	1.90203	1.44854	1.98719	1.15348	0.960008	1.41889	0.707737	1.3461	0.927284	1.53732
FRG1CP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRG1DP	3.68E-05	9.34E-12	5.80E-05	5.89E-09	1.75E-14	6.48E-08	6.32E-08	3.84E-08	3.04E-06	3.81E-18	2.25E-06	1.86E-16	7.08E-14	5.90E-10	0.00207638
FRG1EP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRG1FP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRG1HP	2.13236	1.60526	1.72156	0.895946	1.23099	1.33263	1.59003	1.76232	0.485781	0.870094	1.25036	0.52523	0.559996	0.978059	1.64294
FRG1JP	0.570896	0.423981	0.354964	0.111726	0.0555823	0.266072	0.203883	0.502004	0.0873701	4.18E-39	0.0663732	0.116731	0.0226923	0.0299511	0.289594
FRG2	0.00554989	0	0	0	0	0	0	0.00493228	0	0	0	0	0	4.60E-21	0
FRG2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0138956	0
FRG2C	0.00167395	0.0398647	0.0172949	0.0269265	0.0642608	0.00106901	0.00262798	0.0512671	0.00152901	0.00446458	0.185536	0.0603622	0.0087752	0.22521	0
FRG2DP	0.012716	0	0	0.0393125	0	0.0433099	0.0725934	0.0452036	0	0	0	0	0	0	0
FRG2EP	0.042827	0.00045538	1.11E-07	4.16E-06	0.00073405 9	0.02735	0.0672355	0.00477122	0.0391189	0.114224	0.167165	0.067272	0.224508	0.0773288	0
FRG2KP	0	0	0	0	0	0.0422422	0	0	0	0	0.0560035	0	0.0160041	0	0
FRGCA	0	0.0396351	0.068053	0.0282578	0	0.070045	0	0.0487384	0	0	0	0	0	0	0
FRK	2.67254	1.30333	1.17602	1.79144	1.29967	1.86062	1.12225	1.37888	0.583697	0.958375	1.60477	0.773047	0.854293	0.8109	1.10827
FRMD1	0.00559958	0	0.00926473	0	0	0	0.00639342	0.00995288	0	0	0	0	0	0	0
FRMD3	0.986853	0.475481	0.543204	0.973452	0.739621	1.60866	0.833011	0.726879	0.238505	0.481946	0.693562	0.398394	0.624324	0.644215	2.1948
FRMD4A	3.19541	3.4103	3.7889	4.10205	3.33504	4.6985	3.63701	2.56345	0.953066	1.99901	2.41522	1.76058	1.89499	2.52479	6.32886
FRMD4B	6.49629	5.41575	5.87802	6.37897	4.0718	5.62249	6.93741	6.11838	12.1279	6.84377	6.08311	6.34805	9.73162	6.08874	4.25556
FRMD5	0.351742	0.215695	0.238079	0.0947393	0.0434618	0.136138	0.360534	0.312599	0.0730198	0.105351	0.067683	0.131561	0.0438411	0.1525	0.229612
FRMD6	11.8957	12.8803	14.1343	13.3159	8.74214	14.5742	13.2168	14.4791	18.8869	16.3275	18.7236	8.9885	16.9653	10.7278	11.6076
FRMD6-AS1	3.39214	3.98034	3.29117	1.70634	5.38817	1.10061	2.2344	1.96821	0.3086	1.57992	0.408676	2.92073	0.383764	2.7116	1.11934
FRMD6-AS2	0.22714	0.376958	0.354934	0.260083	0.039203	0.128938	0.259341	0.471014	0.307368	0.285084	0.0569806	0.397283	0.113983	0.395711	0

FSHR	0	0	0	0	0	0	0	0	0	0.0209423	0	0	0	0	
FSIP1	0.123408	0.0317118	0.0272244	0.110219	0.0511186	0.10508	0.0751482	0.0950512	0.120237	0.10326	0.11145	0.0294338	0.0690057	0.0902975	0.22449
FSIP2	0.438131	0.389076	0.513876	0.0845829	0.0282065	0.131607	0.263247	1.07322	0.0298304	0.0503049	0.096973	0.0270853	0.0136481	0.0974347	0.176447
FSIP2-AS1	0.275414	0.426857	0.784694	0.0888564	0.191594	0.0934616	0.057373	0.334975	0	0.0330078	0.351594	0.0188176	0	0.0763166	0.250971
FST	1.87527	0.807866	0.994692	1.80748	0.822478	2.50787	1.10835	0.813685	0.14778	1.24606	2.78939	0.276254	6.27736	2.923	2.31292
FSTL1	51.6078	18.8952	27.4021	44.5689	28.0666	59.7236	49.9441	30.0962	6.26103	70.8321	154.019	12.9285	72.0031	55.1104	137.991
FSTL3	3.2627	2.38467	3.06512	3.16285	4.33795	13.6082	4.05147	1.5481	2.82867	5.41376	4.36988	3.84475	13.5581	7.04732	5.83721
FSTL4	0.614912	1.03178	1.23439	0.132941	0.534361	0.205042	1.64475	0.611449	0.712234	0.151117	0.0388341	0.372296	0.0527135	0.0943913	0.0679301
FSTL5	0	0.00691872	0	0	0	0	0	0	0.0058295	0	0.00540344	0	0	0	0
FTCD	0.0767779	0.0264234	0.0453686	0.0226062	0	0.112072	0.0876625	0.0682338	0	0	0	0.0271428	0.0353834	0.0171975	0.0472555
FTCD-AS1	0.0313167	0.0754443	0.0259074	0	0.0486457	0.0266658	0.0715128	0	0	0	0	0.101765	0	0	0
FTCDNL1	0.462472	0.479357	0.37616	0.608755	0.350134	0.539392	0.399355	0.63896	0.108861	0.0536551	0.157938	0.197435	0.017552	0.0446856	0.117206
FTH1	178.496	106.08	126.728	1124.56	207.007	1055.5	190.599	118.249	39.1938	457.399	1265.66	67.8546	642.382	236.104	340.663
FTH1P18	0	0	0	0	0	0	0	0	0.0617429	0	0.0572303	0	0	0.0132482	0
FTH1P3	0.363884	0.584417	0.421443	0.42503	0.414583	0.0619758	0.332377	0.474306	0.118179	0.213161	0.0821649	0.381875	0.125229	1.07781	1.32388
FTHL17	0	0	0.0470986	0	0	0	0.0325018	0	0	0	0	0	0	0	0
FTL	356.738	124.245	160.924	602.702	337.121	1323.94	326.371	222.56	84.3627	668.746	2123.94	105.992	311.15	252.091	550.937
FTLP10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FTMT	0.0794384	0.0127582	0.0219057	0	0	0.0450938	0	0	0	0	0	0	0	0	0
FTO	6.6937	5.34978	5.70962	6.42835	4.88712	7.43358	6.27369	5.45562	3.84377	4.31569	5.88959	3.73305	4.94531	3.85061	6.0339
FTO-IT1	0.691631	1.16633	1.29838	0.685333	0.165283	0.203855	0.668193	0.921997	0.0647946	0.434034	0.0600589	0.571016	0.120141	0.514409	1.83373
FTSJ1	4.86669	4.71508	4.08706	10.4104	5.66153	10.7006	4.55834	3.3234	8.09518	7.57572	10.8331	5.35901	11.7985	6.81028	4.87125
FTSJ3	4.24625	5.46725	5.25037	7.27751	5.88883	11.9155	4.48443	3.1438	4.87844	3.74615	2.4518	4.18291	8.5756	5.95772	4.16505
FTX	2.42676	3.3563	3.39666	2.09544	2.97315	1.5641	3.47684	1.80709	0.957067	1.6644	1.67444	2.00309	0.893625	2.22813	2.69446
FUBP1	9.08176	9.35663	10.0585	14.1306	4.0867	13.0614	7.28058	8.41465	3.5843	7.994	9.2874	3.97236	13.9296	10.8293	9.07219
FUBP3	7.72657	6.37535	6.31919	8.74812	3.74636	10.911	5.96779	5.44648	7.47272	6.32095	6.68657	5.70166	10.7743	7.15313	6.66411

FUCA1	5.66278	3.06551	3.6808	3.78529	3.31133	8.88958	4.45601	4.5274	1.43791	3.80066	9.57652	1.07946	2.44043	1.21698	3.46964
FUCA2	4.78665	3.16403	3.2836	6.3368	2.96284	13.9597	5.04005	3.50328	3.92696	10.4651	19.7685	3.97089	9.00712	5.99557	7.12207
FUK	1.48087	1.89793	2.29335	1.54439	4.37978	3.09687	1.88018	1.15288	1.45726	1.66535	1.92582	1.31815	1.11597	1.3529	1.15693
FUNDC1	2.27474	2.43981	2.24183	3.20033	1.29048	3.03169	1.28732	2.12708	3.13174	3.67431	5.78336	1.37288	2.32272	2.00559	1.33514
FUNDC2	4.33347	2.39642	2.63542	5.9463	3.06853	6.07003	2.85279	2.53279	3.24268	5.74274	11.4233	2.81019	5.56163	4.16244	4.31714
FUNDC2P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FUOM	0.901986	0.960674	1.57092	2.93533	1.62232	2.48599	1.43638	0.569565	0.86725	2.47271	5.49309	1.22285	1.97559	2.55557	1.43172
FURIN	15.5084	11.5346	12.2046	34.9942	30.4045	42.0666	16.0806	11.0959	54.4812	32.9635	23.3013	27.9866	64.1263	25.5042	19.3023
FUS	11.4018	11.9368	11.9457	16.2835	7.47918	17.5888	8.79076	7.67016	6.12827	8.80653	8.01264	7.49862	17.744	10.0847	10.3754
FUT1	1.07171	0.879988	0.687929	2.10201	3.46916	1.74606	1.1261	0.651944	4.32809	2.98039	2.50277	3.1869	4.05994	2.35199	1.11594
FUT10	3.53638	2.92678	2.96333	2.43404	1.87499	2.03894	2.39879	2.77753	0.659545	1.15467	1.76037	1.16715	1.39341	1.66071	1.59295
FUT11	3.91209	3.26783	4.05423	4.84222	4.92091	6.7075	4.13899	3.52399	3.59926	7.55195	12.2889	3.30885	8.33357	6.36169	8.35109
FUT2	1.60865	1.5343	1.64343	7.06609	1.7689	3.96057	0.68764	0.915945	5.00004	6.65729	6.98972	3.41077	15.3187	4.73168	1.42764
FUT3	0.826553	0.319459	0.165203	2.40099	1.10387	1.43018	0.42412	0.488499	7.29047	2.80161	2.66178	2.79685	4.42514	1.72612	0.84695
FUT4	1.20536	0.51911	0.661611	0.753179	0.703197	1.32858	0.589821	0.516911	0.14447	0.653171	1.14472	0.249159	0.888938	0.702789	1.48377
FUT5	0.142638	0.0670429	0.0706646	0	0.0217173	0.0570735	0.186559	0.153771	0	2.59E-43	0	1.35E-20	0	0	0
FUT6	0.0239448	0.0492151	0.0202254	0.0323806	0.0260039	0.0205467	0.0285831	0.0434181	0.00961953	0.0202875	0.017658	0.0293273	0.0258768	0.024638	0
FUT7	0.0911638	0.149262	0.0555174	0.391499	0.387191	0.274711	0.0465648	0.0511208	0.0350277	0.165783	0.168169	0.0960367	0.245565	0.0751589	0.178986
FUT8	1.69019	1.40271	1.58532	1.52484	1.12298	2.90371	1.21576	1.62369	0.493785	2.04551	4.31744	0.471788	2.44956	1.62569	3.60537
FUT8-AS1	0.220509	0.132859	0.208722	0.0435456	0.185956	0.207449	0.104367	0.100442	0	0.0581231	0.0403359	0.016355	0.17661	0.0686023	0.16413
FUT9	0.03255	0.0357226	0.0403915	0.0093177	0.00280897	0.0138579	0.0185823	0.0385703	0	0	0	0	0	0	0
FUZ	1.49443	1.54118	1.34687	2.63854	4.7729	2.21083	1.36683	1.23915	2.05297	1.28464	2.40097	1.01006	1.60665	1.01026	1.10018
FXN	0.683713	0.428872	0.544772	0.661381	0.350675	0.889735	0.574434	0.599029	0.231738	0.303584	0.655326	0.288452	0.395351	0.477013	0.491043
FXR1	3.51213	3.35311	3.52225	4.26718	1.50511	4.43707	1.70841	2.99431	1.83812	3.96796	4.13772	2.22676	4.07949	3.65077	2.96586
FXR2	3.66477	4.05785	4.28804	5.61308	6.88414	9.69137	3.56507	2.6992	5.74659	5.60128	4.27701	3.93059	8.58815	5.37761	4.08361
FXYD1	5.23499	2.74301	3.48265	0.741787	3.62541	4.959	6.7243	2.44252	0.239086	1.4236	4.11214	0.4214	0.408126	1.06021	4.88678

FXVD2	0.110418	0.183344	0.400655	0.285197	0.161207	0.235647	0.0371168	0.0922315	0	0.0868368	0.117155	0.173268	0	0.126561	0.0818887
FXVD3	21.2626	22.0904	16.6844	45.2068	29.334	50.5454	24.4925	12.3883	53.7305	39.7489	60.6535	39.1203	28.3229	23.2237	5.90139
FXVD4	0	0	0	0	0	0	0.0342724	0.0266765	0	0	0	0	0	0.0627526	0
FXVD5	6.40128	3.34712	4.18362	9.20249	4.89934	17.0203	7.58228	4.51802	2.0422	11.7089	19.6958	3.7804	21.432	9.90457	12.7288
FXVD6	1.91551	2.20522	3.4695	0.720323	3.25728	3.4406	2.88317	1.31898	0.198244	0.793172	2.77794	0.226091	1.08112	0.525459	3.19851
FXVD6-FXVD2	0.0704734	7.77E-12	3.24E-09	1.51E-09	1.16E-07	6.52E-09	0.0928589	3.24E-18	0	1.61E-18	1.02E-08	2.74E-16	2.71E-40	1.87E-11	0.0471717
FXVD7	0.227211	0.109474	0.0537042	0	0	0.469849	0.370603	0.115386	0	0.081478	0.183209	0	0.0628266	0.0169643	0.139844
FYB1	1.12673	0.656406	0.839966	3.20085	0.751991	3.28313	0.440237	1.16888	0.140876	1.5486	3.29835	0.183926	2.54575	0.691881	3.05169
FYB2	0.0200662	0	0	0.00689294	0	0.00569538	0.038185	0	0	0	0.0226523	0.00957195	0	0	0.00960588
FYCO1	5.3986	6.83205	7.13407	7.32735	10.7831	9.31859	8.97448	5.0417	11.5085	5.29924	4.33996	7.02582	7.48517	4.686	3.99944
FYN	7.2426	3.63638	4.98886	5.40244	5.11044	14.8556	5.88339	4.46797	2.45788	4.51141	7.16503	1.84564	5.45882	4.32516	12.7509
FYTTD1	8.13611	6.87899	7.13442	9.22834	2.78853	7.87533	5.7535	7.22592	13.693	11.529	11.1935	7.48169	14.4683	8.50437	6.49046
FZD1	11.9227	6.46739	8.48127	4.60544	11.9004	13.4544	10.4056	7.75423	5.2354	6.64406	11.0448	3.17485	6.86519	4.73813	10.2001
FZD10	2.53149	2.55834	1.57505	1.36616	4.43614	1.18884	1.47337	1.16562	6.50107	2.43385	3.57416	2.56314	0.79163	1.31201	0.87091
FZD10-DT	0.289445	0.306204	0.275888	0.350157	1.3977	0.337542	0.308926	0.218091	0.375502	0.323796	0.383574	0.499756	0.16645	0.460408	0.451826
FZD2	0.260579	0.157669	0.160424	0.387189	1.11076	1.02684	0.207573	0.145411	0.059043	0.661713	1.84706	0.0650411	0.477004	0.288216	0.704934
FZD3	0.715089	0.347776	0.374941	0.479172	0.242494	0.667492	0.343069	0.620593	0.259634	0.393978	0.583642	0.245023	0.504693	0.439536	0.395355
FZD4	7.58587	2.25446	2.33535	2.04715	2.46054	8.29191	3.5212	3.06445	0.622772	2.36501	4.30815	0.627801	1.56799	1.58624	4.16206
FZD5	1.01894	0.640433	0.708771	2.57608	1.34727	3.14323	0.579685	0.930619	1.18514	1.96478	1.35325	2.0712	7.086	2.25548	1.37725
FZD6	7.51134	8.7835	7.88897	10.0922	4.34266	8.10262	4.2689	8.04291	8.58286	8.74203	15.5691	5.90721	7.969	6.82732	4.1746
FZD7	6.34015	3.07505	4.23579	1.54208	4.63017	7.0872	4.91976	3.37542	1.40526	1.50854	2.72721	0.898709	2.77232	2.69802	7.59491
FZD8	2.17919	0.983471	1.20787	0.928232	1.433	2.87611	1.27724	0.742397	0.557343	0.392033	0.62321	0.332645	0.712376	0.489745	0.865856
FZD9	0.0889357	0.0904623	0.130798	0.152751	0.353045	0.143041	0.124109	0.0878207	0.264767	0.0992209	0.401589	0.0282826	0.0573809	0.149774	0.0283829
FZR1	4.09985	5.32607	5.46785	6.35722	9.46341	9.47767	5.59252	3.462	9.3251	8.30365	4.23173	7.05512	11.372	7.41946	4.32879
GOS2	6.92129	0.486322	0.33798	24.444	3.99435	29.8966	2.00306	0.576662	0.0878057	14.1464	33.342	0.189153	9.59789	2.47438	8.24869
G2E3	1.31232	1.1339	1.21434	1.44282	0.235448	0.696265	0.797002	1.59166	0.602381	0.941195	1.33735	0.587945	0.903316	1.32172	1.30608

G2E3-AS1	0	0	0.0880256	0.0548266	0	0	0.0607448	0	0	0	0	0	0	0	0
G3BP1	19.5181	16.657	18.3693	43.1881	20.1112	31.0644	17.3086	19.6094	18.6711	19.3131	26.3376	18.3006	36.0268	22.825	18.8869
G3BP2	8.00925	7.03198	7.39571	11.4348	3.82321	13.9518	5.75397	7.93141	5.66689	7.70364	10.5111	4.71568	11.2539	7.94136	8.31814
G6PC	0	0	0.00460119	0	0	0	0.0127008	0	0.0338688	0	0.0125574	0.0159187	0.00358851	0.00290689	0
G6PC2	0.0676038	0.0108575	0.00621407	0	0	0	0.0428822	0.0801076	0	0	0.00847959	0.00537471	0	0	0
G6PC3	4.81568	2.17411	2.5618	4.58497	4.86914	12.9472	4.48818	2.75208	1.41621	3.64871	10.0593	1.63695	3.9307	3.21712	4.81029
G6PD	6.10092	5.36922	4.17929	11.6166	12.9788	16.3526	7.54375	4.37522	28.0617	13.4319	13.0144	15.6771	13.8454	9.92161	8.39171
GAA	5.36551	4.08509	4.24129	6.84639	9.39292	16.4204	7.8579	4.27354	3.13712	5.04921	7.43234	3.77161	7.13537	5.17447	10.4767
GAB1	4.02298	5.45691	4.60607	6.85651	5.31281	4.53165	4.9908	5.1692	10.5364	7.31876	6.27543	7.36282	9.99732	5.51564	3.11354
GAB2	4.91732	4.15022	4.09867	2.99076	5.56877	7.84312	6.29667	3.34438	8.75036	4.9048	3.04997	4.06288	5.62222	3.17906	4.07193
GAB3	1.32396	0.573424	0.834306	0.531961	0.527136	0.793613	0.638498	0.675394	0.0756739	0.575899	0.647475	0.249658	0.604425	0.502108	1.24928
GAB4	0.017606	0.00424141	0.0291298	0.00907173	0	0.00749563	0	0	0	0	0	0	0	0	0
GABARAP	64.6347	54.3923	56.5148	94.1698	68.718	115.213	87.8531	48.183	174.511	113.748	239.256	78.9217	95.443	51.9581	65.3561
GABARAPL1	9.15507	5.04997	6.50105	5.06146	4.33343	17.6652	5.78727	5.78792	4.46232	5.69596	8.07277	1.79933	5.41244	4.35359	8.3514
GABARAPL2	16.8607	16.6259	19.1647	32.3945	17.1135	25.842	19.6466	15.3333	86.4134	37.9465	62.3678	26.3101	40.8463	19.9903	17.1157
GABARAPL3	0.024555	0.0414083	0.0203136	0	0.0190712	0	0.014018	0.0872896	0.0149526	0	0.0277195	0.0175697	0	0.0128335	0
GABBR1	0.305252	0.436511	0.405229	0.28298	0.925019	0.48207	0.558534	0.367505	0.084997	0.295528	0.168614	0.285153	0.121619	0.496687	1.036
GABBR2	0.00399845	0.00192652	0.00661561	0.0164821	0	0.0136185	0	0.00355349	0	0	0.00451376	0.008583	0.00257978	0.035526	0
GABPA	3.27351	2.67869	2.52581	3.83156	1.1644	3.63146	2.14635	3.216	3.77448	4.13738	5.61408	2.21305	4.86077	2.86658	3.42596
GABPB1	1.57708	1.1218	1.2862	2.36699	0.801182	2.07373	1.06833	1.16631	1.75445	2.16026	3.71551	1.12791	3.60971	2.02784	2.23729
GABPB1-AS1	1.57821	3.12293	3.52445	1.57401	5.05407	1.91873	2.07463	1.70317	0.952136	0.924082	1.61434	0.77948	0.614585	1.7542	1.27704
GABPB1-IT1	1.44225	1.29297	1.3516	1.10059	0.956873	1.68767	0.874684	1.33774	1.09055	0.680489	0.912035	0.640148	0.454206	0.976811	1.28688
GABPB2	2.15269	3.51197	3.07455	2.55555	2.2157	2.32327	2.13663	2.5993	2.12767	1.5357	1.44773	1.78376	1.51977	1.81929	1.55047
GABRA1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GABRA2	0.0366419	0.00117698	0.00202085	0	0	0.0187201	0.0167346	0.00868382	0	0.00306596	0	0	0	0	0
GABRA3	0.0498594	0.0600575	0.0412472	0.0599451	0.0258163	0.0141515	0.0664158	0.0221554	0.0101205	0.0625786	0	0.0178379	0.096507	0.0608036	0

GABRA4	0.0405917	0.0102445	0.00639625	0.0717101	0.00900756	0.0296257	0.059588	0.00687133	0.0329574	0.0315384	0.0283666	0.00829841	0.00124712	0.0080819	0
GABRA5	0	0.0070641	0.012129	0	0	0.043694	0	0	0	0	0	0	0.0189189	0	0
GABRA6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GABRB1	0.0314017	0.0100865	0	0.0215736	0	0	0.0119511	0	0	0.0131375	0	0.00748958	0	0.0109413	0.0601291
GABRB2	0.0468546	0.0165552	0.025841	0.016095	0.00970418	0.00531948	0.0927283	0.0333124	0	0	0.0035262	0.0044701	0.00604607	0.00163255	0.0897188
GABRB3	0.042994	0.0517879	0.027946	0.123425	0.0429329	0.0261492	0.0315573	0.065502	0.0748026	0.0231265	0.031201	0.105474	0.0475534	0	0.0176414
GABRD	0.0601118	0.0695107	0.0497287	0.173452	0.261448	0.337817	0.109814	0.0320534	0.0146419	0.0603572	0.0271435	0.0430116	0.0155135	0.175936	0.172656
GABRE	4.60365	8.50451	6.41425	8.05075	9.21539	3.10094	4.5018	4.57421	2.2713	3.92576	1.44221	5.02773	1.12746	5.79451	3.03682
GABRG1	0.00341948	0.00164756	0	0	0	0	0	0	0	0	0	0	0	0	0
GABRG2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GABRG3	0.12706	0.0262369	0.0525564	0	0.0422931	0.0772784	0.0621741	0.0806573	0.0110532	0	0	0.00649391	0	0	0
GABRG3-AS1	0	0	0.0225242	0	0	0	0	0	0	0	0	0	0	0	0
GABRP	16.0374	2.24091	2.86982	0.872107	1.06468	3.26349	3.29001	4.05883	0.0340715	0.0790034	0.157906	0.0200175	0.148912	0.208355	0.421858
GABRQ	0.277717	0.111507	0.0765823	0.476992	0.62911	0.266031	0.317088	0.0822705	0.817383	0.595462	0.182879	0.521623	0.70926	0.169338	0.149564
GABRR1	0.0131944	0.0190718	0.00545769	0	0	0.0168523	0.0753249	0.0293153	0	0	0	0	0	0	0
GABRR2	0.127079	0.0565187	0.0525644	0.0705162	0.0911066	0.0416178	0.0725474	0.130312	0.00595262	0.0368071	0.0275878	0.0454642	0.0283814	0.183924	0.0912508
GABRR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GACAT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GACAT2	0.480968	0.16358	0.163837	0.0874679	1.18659	0.337267	0.129213	0.176007	0.0344568	0.177548	0.0958152	0.182195	0.073016	0.162654	0.487575
GACAT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAD1	0.0126155	0.0151958	0.0208728	0.0065003	0.0195962	0.0375966	0.00720196	0	0	0.00791685	0.0213619	0	0.0122091	0.0131868	0
GAD2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GADD45A	7.59694	3.70072	2.67761	9.19417	14.9007	19.7204	3.67638	5.09719	8.78246	9.9349	18.6099	6.61179	8.3639	6.04779	4.96136
GADD45B	7.28796	5.73347	4.94304	15.8535	13.9352	26.6712	5.32323	5.04094	17.5058	13.9003	22.1165	24.3274	8.32922	9.8172	7.95255
GADD45G	1.58633	2.02073	1.16851	0.358304	6.91979	2.53495	0.843583	1.44842	4.57851	2.01828	2.94373	1.52378	0.518757	1.07895	0.43691
GADD45GIP1	7.64358	6.98561	7.50265	21.3177	16.6318	21.8238	9.76614	4.90604	9.30902	17.3216	38.0756	9.02849	20.5287	14.4735	5.79349

GADL1	0	0	0.00523818	0.0195756	0	0.0377406	0	0	0.00771153	0.0158943	0	0.00453064	0.0163412	0.00992796	0.00909339
GAGE1	5.89E-44	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GAGE10	1.44E-07	0.0397529	0.0341276	0	0	0.161627	0	0	0	0	0	0	0	3.62E-37	0
GAGE12B	0.00171878	0	0	0	0	0	0	0	0	0	0	0	0	0.00387914	0
GAGE12C	3.69E-08	0	0	0	0	2.44E-07	0	0	0	0	0	0	0	8.32E-08	0
GAGE12D	5.93E-09	0	0	0	0	3.92E-08	0	0	0	0	0	0	0	1.34E-08	0
GAGE12E	3.69E-08	0	0	0	0	2.44E-07	0	0	0	0	0	0	0	8.32E-08	0
GAGE12F	2.37E-09	0	0	0	0	1.31E-08	0	0	0	0	0	0	0	5.35E-09	0
GAGE12G	0.00630486	0	0	0	0	0.0138925	0	0	0	0	0	0	0	5.44E-05	0
GAGE12H	0	0	0	0	0	2.44E-07	0	0	0	0	0	0	0	1.10E-17	0
GAGE12I	3.74E-05	0	0	0	0	2.10E-44	0	0	0	0	0	0	0	0.0479584	0
GAGE12J	5.97E-08	0	0	0	0	1.32E-07	0	0	0	0	0	0	0	1.50E-37	0
GAGE13	0	0	0	0	0	1.63E-06	0	0	0	0	0	0	0	0	0
GAGE2A	8.09E-07	0	0	0	0	1.78E-06	0	0	0	0	0	0	0	1.37E-06	0
GAGE2B	1.87E-05	0	0	0	0	0	0	0	0	0	0	0	0	4.22E-05	0
GAGE2C	1.17E-06	0	0	0	0	0	0	0	0	0	0	0	0	0.0022524	0
GAGE2D	1.44E-07	0	0	0	0	4.06E-11	0	0	0	0	0	0	0	0.00018509	0
														6	
GAGE2E	5.97E-08	0	0	0	0	0	0	0	0	0	0	0	0	1.35E-07	0
GAGE4	3.62E-06	0	0	0	0	0	0	0	0	0	0	0	0	0.0139115	0
GAGE5	5.30E-06	0	0	0	0	0	0	0	0	0	0	0	0	0.0203768	0
GAGE6	3.98E-06	0	0	0	0	4.20E-45	0	0	0	0	0	0	0	8.98E-06	0
GAGE7	4.82E-06	0	0	0	0	0	0	0	0	0	0	0	0	0.0185173	0
GAGE8	6.42E-06	0	0	0	0	4.20E-45	0	0	0	0	0	0	0	4.83E-06	0
GAK	5.91198	7.31404	7.70561	10.1768	14.9594	14.5372	9.37671	5.98393	9.75961	7.15124	5.0213	8.73773	12.7525	8.24576	8.19008
GAL	0.282922	0.0817898	0.140432	0.699743	0	5.87807	0.0323032	0.100575	0.0689135	0.532645	1.75661	0.182195	2.0627	0.576684	0.203156

GAL3ST1	0.0190556	0.0596784	0.0551745	0.00981869	0.0739999	0.0324512	0.0326356	0.0592727	0.0116038	0.0119584	0	0	0	0.0149389	0.0273663
GAL3ST2	0	0.0692589	0.0660647	0.0164593	0	0.0815984	0.018236	0.0425831	0	0	0.144241	0	0.0103049	0.0250426	0
GAL3ST3	0.0139416	0.0201518	0.0461339	0	0.0108281	0.0178066	0.00795903	0.0123901	0.0254689	0	0	0.00997559	0	0	0
GAL3ST4	1.55806	4.72806	4.62056	2.29106	4.61395	1.6913	4.78545	2.51832	2.21934	1.63532	4.50513	1.07571	0.858283	1.01908	2.31608
GALC	2.69427	2.08773	2.57359	3.49788	0.957838	5.07082	2.24535	2.666	1.15016	3.13059	5.51863	1.20837	2.37633	1.78849	2.49712
GALE	1.81856	1.2603	1.32927	6.39243	2.2444	5.67421	1.33684	0.841302	2.80643	4.6744	5.06202	1.75577	6.18003	3.76926	1.91404
GALK1	2.07454	2.87574	3.23547	4.94165	7.55434	12.3651	3.7277	2.07036	6.06788	9.15586	20.0405	6.08357	6.99961	6.79876	4.00497
GALK2	1.92952	2.10223	1.84647	2.41527	1.71975	1.98099	1.65546	1.59654	1.36998	1.76077	2.70594	1.24915	1.59957	1.91167	2.15114
GALM	1.05106	0.815295	0.765039	1.03041	1.16203	1.90529	1.07513	0.688384	0.170642	1.18153	1.71505	0.483242	0.6136	0.902135	1.44529
GALNS	1.74234	2.80415	2.17341	4.24912	4.12345	5.4683	2.4997	1.71059	2.67747	2.96537	4.87088	3.3354	4.69079	3.66158	5.51536
GALNT1	8.88819	8.53297	8.88438	16.9706	6.26628	13.8322	6.45797	8.98159	33.2749	27.223	31.122	15.0278	29.136	14.7838	11.6474
GALNT10	5.82948	2.54659	2.86782	4.63375	4.61815	7.65738	3.31465	3.61962	1.67552	4.30216	4.29504	3.10612	5.79468	5.2343	6.43518
GALNT11	6.68329	6.05443	6.26796	6.87874	7.38356	10.5347	6.17778	4.25436	7.72901	5.44761	7.06892	4.48061	5.53558	3.9335	6.81431
GALNT12	1.37081	0.811329	0.812024	0.523208	1.0121	1.71482	1.24632	0.721935	0.752304	0.573504	0.792843	0.393552	0.289354	0.256506	0.583307
GALNT13	0.296858	0.024792	0.0458419	0.0774999	0.0491865	0.306695	0.207885	0.0949762	0.00482053	0.00496783	0.00446821	0.0934604	0.0791662	0.0620604	0.233058
GALNT14	0.467331	0.952883	0.818043	1.80774	0.526034	1.33219	0.564516	0.710266	0.6104	0.331528	0.657537	0.227771	0.891449	0.626548	0.223716
GALNT15	4.36579	0.590455	0.840391	1.0718	0.237949	8.3274	2.38419	2.20687	0.0343667	1.39138	1.70196	0.392282	2.37984	2.10688	6.62874
GALNT16	2.29873	1.91753	2.72367	0.237998	1.72696	2.02136	5.12658	1.16943	0.0327055	0.337049	0.885203	0.203679	0.353456	0.491234	2.09801
GALNT17	0.914407	0.171159	0.266666	0.0406758	0.408745	1.24913	0.578353	0.467712	0.048071	0.0495399	0.0445576	0.00941414	0.0297108	0.0103146	0.0850276
GALNT18	5.29118	3.10358	3.46372	6.1734	4.70267	8.61905	4.30767	2.51064	4.40435	7.22995	7.38584	4.35882	8.73338	5.91556	5.16717
GALNT2	4.87665	3.93242	3.72907	12.6299	8.44528	16.3863	4.60868	2.89589	5.05137	10.4671	7.95922	6.39665	17.6993	7.83447	9.99768
GALNT3	1.65763	2.92163	2.37342	4.62099	1.27643	2.75655	1.20513	2.16568	7.36778	7.82408	4.17434	4.50101	13.3367	5.9978	2.23814
GALNT4	0.955146	0.683938	0.630343	1.48731	0.503634	1.50467	0.733641	0.769775	0.549447	1.53373	1.23247	0.689051	2.20768	1.41178	0.667289
GALNT5	0.378025	0.211789	0.238183	0.237816	0.235564	0.56891	0.100376	0.285173	0.0829776	1.15304	1.84095	0.267342	0.266588	0.465215	3.25423
GALNT6	2.29382	4.86979	2.26612	13.7346	13.3298	7.55542	4.22667	2.42079	18.3207	15.0376	5.85514	14.4089	32.3907	16.048	5.47076
GALNT7	2.13322	1.29966	1.29356	2.1319	1.15184	3.10666	1.00616	1.85285	3.66472	3.84415	4.63431	2.65674	3.62981	2.62019	2.19929

GALNT8	0.0867187	0.078342	0.0896748	0.0111708	0.101028	0.0276899	0.0742594	0.0578013	0	0	0.0122368	0	0	0.045323	0.0311348
GALNT9	0.0079257	0.0190936	0	0	0	0	0	0	0	0.00994757	0.00894713	0.00567105	0	0.0207116	0.0227646
GALNTL5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GALNTL6	0.0568625	0.0547945	0.0470407	0.0167424	0.151418	0.0484177	0.0370993	0.0216577	0.0395727	0.020391	0	0.0142341	0.0104821	0.00424555	0.0233319
GALP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GALR1	0.199437	0	0	0	0	0.148591	0.0569278	0.0295406	0	0	0.0187617	0.00594595	0	0.00868623	0
GALR2	0.170546	0.11504	0.183414	0.0351505	0.344391	0.0290435	0.175251	0.151567	0.37387	0.0642157	0.115515	0.061015	0.0990317	0.0980481	0.048985
GALR3	0.0400053	0.0289127	0.0165476	0.0824532	0.124284	0.0681279	0	0.0711067	0.024361	0.0502107	0	0.0715621	0	0.0627255	0
GALT	2.99789	6.5714	7.65823	5.16033	6.67811	5.59623	5.56691	5.69454	1.76536	1.88133	4.77886	3.28832	2.63565	3.29722	2.79138
GAMT	1.45482	4.16596	3.32038	2.43493	12.1006	3.05738	3.12187	2.05401	5.22747	1.9166	5.27637	2.87927	0.485965	0.830458	1.00761
GAN	12.2031	24.6669	28.6004	5.72096	11.0996	5.14334	37.5542	21.7264	17.7091	6.17502	5.03654	6.81839	7.24244	4.61303	2.28207
GANAB	16.7929	16.0189	16.8001	36.8163	25.6069	44.5184	20.2588	14.5611	14.1995	23.0231	30.9572	15.2942	35.4417	21.4442	25.5965
GANC	3.38345	3.59039	3.40812	3.16913	2.13312	2.71767	2.9599	3.32953	1.74336	3.86404	2.61333	3.39618	3.06458	2.86907	2.8279
GAP43	0.472981	0.0529975	0.0363984	0.0680121	0.102517	0.280979	0.213502	0.136857	0	0.0276111	0.496685	0	0.156131	0.0517396	0.268545
GAPDH	324.408	175.502	171.914	680.061	221.518	1072.53	299.859	183.173	393.438	790.356	1241.56	477.789	1123.4	635.26	271.088
GAPDHS	0.248183	0.724943	0.705768	0.271745	0.674649	0.396233	0.513603	0.372202	0.340041	0.116811	0.157594	0.266372	0.0600474	0.162139	0.155935
GAPLINC	0.138581	0.0222568	0	0.190416	0.0717548	0.236	0.105485	0.246319	0.112517	0.405845	2.5552	0.0661057	0.0894118	0.0724286	0.46438
GAPT	0.0820675	0.0922633	0.120697	0.244322	0.0566574	0.131995	0.0208227	0.137766	0.0666327	0.228896	0.483808	0.0456723	0.205915	0.0714868	0.170241
GAPVD1	4.43653	4.61491	4.93774	4.36381	2.3682	4.77883	4.59545	4.24428	8.62933	4.2121	3.88529	4.51485	5.48877	4.07472	3.4019
GAR1	2.88603	2.35863	2.9013	4.55533	0.99307	4.44823	1.5016	2.12656	3.73732	1.87991	3.09301	1.85591	3.06413	2.86398	1.86249
GAREM1	4.26224	3.18658	2.53569	3.92463	3.77014	2.75554	2.99273	3.25307	6.83312	3.11642	3.69033	3.90633	2.35107	3.29676	1.70504
GAREM2	0.432544	0.352976	0.396515	0.385513	0.381343	1.02528	0.382634	0.235494	0.099663	0.347252	1.20532	0.189602	0.409813	0.334008	0.69394
GARNL3	1.6182	1.42802	1.62051	0.947898	1.04073	1.26184	1.99022	1.25142	0.518627	0.783896	0.647372	1.01567	0.692371	1.13359	1.15789
GARS	10.7056	10.8695	10.341	22.9893	11.6949	23.1754	13.0223	9.72945	49.3227	34.644	29.5691	25.3558	66.9089	26.584	18.6478
GARS-DT	2.55883	1.99335	1.94868	0.998097	1.86664	1.1454	1.86354	2.53442	0.77181	0.855424	0.735648	0.74862	0.401164	1.10926	2.72176
GART	4.17693	3.91671	3.7625	11.6906	4.45001	10.7231	4.16623	3.56344	5.23986	6.1217	7.12303	5.05725	11.3226	7.60656	3.67874

GAS1	10.6877	9.52618	12.7344	12.4055	11.4661	17.7619	11.6703	6.08737	2.21259	7.68285	12.7487	2.61743	17.6985	9.05457	14.8083
GAS1RR	0.179322	0.449788	0.575938	0.152185	0.0573482	0.220053	0.1927	0.328107	0.0385401	0.0264785	0.119078	0.0377381	0.0238201	0.0275651	0.0909825
GAS2	0.188859	0.0568719	0.0781186	0.0162187	0.0244469	0.134009	0.0269541	0.153855	0	0.0296296	0.035533	0.00563056	0.0203084	0.0329019	0.0452041
GAS2L1	9.65792	10.5836	11.7578	12.221	23.0683	13.0736	12.5862	6.8825	10.9745	10.3627	8.75252	16.2446	20.5375	12.288	7.23816
GAS2L1P2	0	0	0	0	0.0317853	0	0.0116817	0	0	0	0	0	0	0	0
GAS2L2	0.0307141	0.0961903	0.127044	0	0.0477096	0.00653816	0.113972	0.0750643	0.065461	0.0192747	0	0.0274709	0.0148624	0	0.0220546
GAS2L3	0.333846	0.556928	0.724603	0.813852	0.139403	0.678569	0.372977	0.832658	0.336636	0.752417	1.09414	0.315932	0.961173	0.636015	0.551619
GAS5	40.1328	57.0789	74.3298	41.7508	21.6964	31.1589	20.1133	23.1568	16.8451	31.3365	59.6282	19.3648	15.0021	22.6544	17.322
GAS5-AS1	2.40101	2.13695	2.45527	0.8935	0.1554	0.82345	1.63722	3.20072	0.852879	0.795232	0.564675	1.36007	0.451826	2.24831	1.62829
GAS6	28.5293	21.5176	26.3955	25.5238	54.0439	45.5135	25.7146	17.3139	10.5515	16.2479	20.6428	8.38645	22.8659	15.2345	27.9249
GAS6-AS1	0.15557	0.774614	0.578953	0.241075	1.52744	0.4646	0.444365	0.575253	0.0315863	0.0325846	0	0.484086	0.0668315	0.326334	0.635436
GAS6-DT	0.513232	0.341162	0.237516	0.343866	0.149505	1.18928	0.358462	0.211819	0.159651	0.344776	0.729332	0.17054	0.246044	0.317649	0.36011
GAS7	7.68386	7.9875	9.91983	7.53377	10.7451	12.7596	17.3709	8.43227	19.9194	6.40431	6.76696	7.62898	9.38542	4.80764	6.05862
GAS8	1.27366	1.64936	1.44639	1.64982	2.29234	2.87627	1.27043	1.06355	0.900124	1.57817	0.914502	1.48153	1.84944	1.31974	1.48117
GAS8-AS1	0.605351	0.549681	0.84749	0.40789	1.55514	0.416324	0.957006	0.413835	0.0567115	0.175333	0.0262833	0.416486	0.0450657	0.486743	0.802487
GASAL1	0.27105	0.294536	0.243315	0.861747	0.949566	1.17362	0.210707	0.338266	0.927113	1.18707	1.24997	1.27095	1.65206	0.901215	0.563188
GAST	0	0.0237248	0.0814705	0.101488	0	0	0.112442	0.0437609	0.119939	0.30901	0.389105	0.0352329	0.349467	0.0514705	0
GATA1	0.14083	0.128169	0.258899	0.032251	0.0243064	0.0532955	0.107197	0.0556257	0.0762289	0.0196396	0.158979	0.0335892	0.0807669	0.0654257	0.0449443
GATA2	3.7014	2.02633	2.71618	1.61574	3.90626	2.34546	3.65751	1.84693	0.636498	0.926044	1.93652	0.822694	1.98351	1.43001	2.88742
GATA2-AS1	0.392588	0.222257	0.259821	0.262973	0.472614	0.350998	0.168092	0.183172	0.107579	0.271006	0.354546	0.119386	0.322952	0.297516	0.606091
GATA3	2.67615	18.4149	24.3404	2.25289	14.2158	2.72161	25.4422	22.3295	5.40762	1.81661	3.59119	4.16413	0.783068	0.724946	0.346437
GATA3-AS1	0.00976088	0.150494	0.113048	0.0201177	0.545833	0.0249338	0.100302	0.13012	0.0237753	0	0.0550941	0.0139683	0.0251907	0.0204059	0
GATA4	0.0059601	0	0	0	0	0.00507494	0	0	0	0	0	0	0	0	0
GATA5	0	0.00429698	0.00737787	0.00919059	0	0	0.0101827	0.00792586	0	0	0	0	0	0	0
GATA6	0.625157	0.0915442	0.0709846	0.132638	0.209449	1.39341	0.496849	0.21243	0.0298577	0.18462	0.345943	0.0263127	0.102814	0.128131	0.580932
GATA6-AS1	0.0517742	0.0062364	0.0107078	0	0.0201058	0.08817	0.0443355	0.0345094	0	0	0.0292233	0	0	0.00676486	0.0185886

GATAD1	3.4989	3.44441	3.75665	3.14398	2.33822	3.3565	2.27624	2.46526	1.24466	2.12939	3.31898	1.63902	1.88718	2.39703	2.89923
GATAD2A	9.10304	10.4	10.2766	14.5222	15.4555	19.3594	11.8166	8.6544	18.1162	12.1423	8.7747	11.8095	23.2154	11.0891	8.4152
GATAD2B	6.33452	6.91262	7.50498	5.40996	5.56778	9.41545	8.52188	6.79104	4.56626	4.05685	4.2182	3.99915	5.1328	4.08822	5.48473
GATB	2.54956	3.84508	3.14663	5.51113	9.88483	7.00697	2.56785	2.53296	4.48093	5.58042	9.0088	4.51622	5.37626	3.27169	2.76846
GATC	4.34473	4.25364	4.28253	4.90219	3.70164	5.25484	4.23585	3.84116	3.69855	3.79312	5.56869	2.84436	3.54156	4.3126	3.52804
GATD1	3.20684	4.94382	4.64692	5.31281	12.5697	6.85557	4.20199	3.52219	3.76838	4.51659	4.80199	4.4282	4.83614	6.22497	4.02268
GATD3A	1.56508	2.60901	1.52628	2.85745	5.55274	3.39398	1.76475	1.17517	2.1969	1.40481	2.19549	1.47579	1.56521	1.75949	1.64861
GATD3B	4.90232	4.10526	5.68804	7.98343	12.1404	12.3214	4.78277	4.49183	5.77429	4.62925	10.1148	3.77688	4.6906	4.85995	5.65812
GATM	3.40255	15.8376	20.1276	4.25989	3.58181	3.75326	9.12638	8.86564	6.42141	1.69411	4.12676	4.19019	0.839118	0.683408	0.918745
GAU1	0.0741171	0.0803491	0.0153287	0	0.115129	0.0315549	0.0634683	0.0494018	0	0.0465123	0.0418345	0	0	0.0096842	0.0266104
GBA	6.38513	6.54553	6.63812	23.2678	12.9822	18.9138	10.3749	6.19635	60.8629	11.9403	24.2628	14.1167	13.2013	5.77013	6.6341
GBA2	5.01063	5.45642	5.94157	21.1303	12.9027	8.9195	7.84633	4.01271	27.7188	9.26624	9.3892	12.7776	13.5122	9.23385	6.67606
GBA3	0	0	0.00861249	0.0429142	0	0	0.0118866	0.0185044	0	0.0130665	0.0235048	0	0	0	0
GBAP1	0.50377	0.395591	0.43676	3.24948	1.21507	1.37199	0.58857	0.518233	6.34981	0.555288	1.23393	2.01312	0.276717	0.82009	0.797643
GBAT2	0.0527177	0.0508003	0.0872235	0.108654	0	0.0448884	0.180574	0.140553	0.0642042	0.396996	0.535605	0.0377209	0.0340132	0.0551051	0.227128
GBE1	5.80257	5.19933	5.43045	9.63526	2.72606	14.7143	5.43998	4.49315	9.76811	8.68877	10.5211	5.74425	12.8551	9.703	6.14535
GBF1	6.72376	8.3403	8.79685	9.47693	9.89713	13.4667	10.7091	7.18585	9.99189	7.82105	6.33267	8.61658	12.3449	7.08065	10.2186
GBGT1	0.685637	0.763596	1.00424	1.41314	1.34438	2.07683	0.975339	0.649293	0.27378	1.70698	1.8779	0.394082	1.23283	1.42162	2.63114
GBP1	2.26606	5.69894	6.8106	12.9866	2.82634	17.4275	2.01489	2.51404	29.5621	6.38927	11.1864	2.46895	18.5736	7.40384	8.59786
GBP1P1	0.306781	0.22764	0.109095	0.56451	0.326488	1.11242	0.214133	0.169839	0.161124	0.143824	0.318745	0.110813	0.243415	0.0887981	0.161603
GBP2	5.91458	8.58159	10.0871	12.3577	5.79432	21.9093	5.09679	7.46149	12.0123	4.92785	7.68215	6.29196	6.54801	3.77035	8.38148
GBP3	2.42347	2.32871	2.50465	2.75215	1.97288	4.68244	1.19485	1.94633	1.62207	0.654869	0.488257	1.56703	3.80048	1.29531	2.16909
GBP4	1.81536	1.3113	1.33143	1.27584	0.993985	3.88417	1.42391	1.60579	0.212466	0.668292	1.08825	0.426943	2.08394	0.69537	1.66338
GBP5	0.515568	0.17066	0.203224	1.50127	0.399337	3.88084	0.156548	0.441714	0.0765347	0.587965	1.05122	0.0899305	2.89714	0.376214	2.3711
GBP6	1.37898	2.65075	0.413044	2.48442	1.16704	4.1947	0.602643	1.14945	9.43387	4.99531	7.07488	3.87874	4.20928	4.20501	1.15409
GBP7	0	0.0136316	0.0312071	0	0	0	0.0215354	0.00838126	0	0	0.0106461	0	0	0.00492892	0

GBX1	0	0.0102112	0.0525977	0	0	0	0.120989	0.0376696	0	0	0	0.0151644	0	0	0.152181
GBX2	0	0.0247793	0.0212728	0	0	0	0.01468	0	0	0	0	0	0.0497726	0.00671976	0
GC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GCA	0.786515	0.619207	0.859041	1.63694	0.255525	1.4576	0.598678	0.927417	0.194081	1.49686	3.06406	0.128739	1.06798	0.346586	0.944969
GCAT	1.56816	1.14637	1.03651	2.04611	2.02337	3.42432	1.34286	0.966565	2.40271	1.69837	3.15507	1.14468	1.46054	1.47584	0.908097
GCC1	2.9965	2.7256	2.78936	3.5151	4.5763	4.48774	2.86494	2.14039	3.2333	2.53071	2.56704	2.35648	4.24609	2.86582	2.37288
GCC2	2.78146	2.37098	2.54272	2.02071	0.591941	2.51318	0.910038	1.81378	1.63172	2.46028	2.53305	1.40719	2.28442	1.80554	3.38532
GCC2-AS1	0.0833984	0.140639	0.10349	0.0429722	0.129546	0	0.190443	0	0	0	0.0470732	0.0298369	0.0538082	0.0871753	0.179656
GCDH	1.34308	1.58399	1.5008	2.6029	4.26594	2.94438	1.85391	1.06	1.30613	1.44669	2.50055	1.30525	1.97237	2.18443	1.55458
GCFC2	1.76849	1.78223	1.79238	1.99422	0.812614	1.46248	1.25803	1.92551	1.17276	1.45264	2.13228	0.990453	1.70256	1.25335	1.27653
GCG	0	0.0172344	0	0.0184309	0	0	0	0	0	0	0	0	0	0	0
GCGR	0.101455	0.363904	0.354375	0.0929356	0.3327	0.0959864	0.167322	0.270495	0.054916	0	0.0254512	0.129056	0	0	0
GCH1	1.44001	1.55919	1.85892	2.47873	1.21674	3.4157	1.00276	2.18685	4.90478	2.48265	2.43839	1.29645	4.82921	1.21162	1.84078
GCHFR	2.92128	2.78376	3.22225	1.57213	2.67224	3.95226	3.59485	2.45196	0.237186	0.896258	1.75881	0.580627	0.272248	0.695538	1.2586
GCK	0	0.015352	0.0043932	0.0218904	0.041245	0.0768706	0.0424433	0	0.00646756	0.0199956	0.0719384	0.0113994	0.0308366	0.0194284	0
GCKR	0	0	0.00875026	0.0872014	0.0492904	0.144102	0	0.0188004	0	0.0132756	0.0835829	0	0.0477708	0.154788	0.106332
GCLC	2.98699	3.52768	3.80201	5.1053	3.87596	4.82309	3.08465	3.73907	2.80969	3.29939	3.86538	3.11467	3.70556	2.59873	2.14485
GCLM	0.994466	0.67125	0.906097	1.44042	0.434237	1.97841	0.518015	1.02634	0.435343	1.44947	2.05383	0.609913	2.09635	1.31255	1.22415
GCM1	0.00837303	0.00806851	0.00692676	0.00862865	0	0.0285181	0	0	0.0101974	0	0.0283563	0.00599113	0	0	0
GCM2	0.127213	0.108442	0.194289	0	0.030401	0.0333294	0.111729	0.165237	0	0	0	0.00700189	0.0126273	0.0102288	0.0140534
GCN1	6.94185	8.49679	8.28728	13.3583	16.8424	15.9503	11.1573	6.64627	8.09996	6.33684	4.62051	8.72677	12.4943	9.461	9.25234
GCNA	0.364113	0.273679	0.289172	0.292679	0.226238	0.303837	0.149664	0.291234	0.354759	0.60324	0.345273	0.270954	0.338291	0.483366	0.491538
GCNT1	0.602773	0.396638	0.404625	0.535985	0.615294	1.29633	0.625304	0.599978	0.159407	0.453925	0.773776	0.133087	0.633362	0.507657	1.21687
GCNT2	0.887313	0.732894	0.852021	0.391887	0.310119	0.536971	0.524644	0.932203	0.135081	0.238644	0.253994	0.0884321	0.224907	0.152375	0.377737
GCNT3	0.302047	0.0100366	0	0.0536669	0.0323575	0.115292	0.011892	0.0462818	0.0126848	0	0	0.014905	0.0134399	0	0.0149579
GCNT4	1.03053	0.882708	0.668646	2.00598	0.868388	0.906155	0.515252	1.40669	5.36479	2.2825	2.19741	2.0868	1.35151	1.38346	0.657762

GCNT7	0.531021	0.475416	0.433456	0.346651	0.209007	0.15276	0.460883	0.603566	0.0409675	0.22517	0.101262	0.344989	0.108516	0.404358	0.289852
GCOM1	2.49596	2.40414	1.99529	4.40842	1.12082	1.60931	1.94783	2.1483	9.02431	3.50012	5.18579	3.58281	4.04422	2.15518	1.44063
GCSAM	1.50963	3.37657	4.40544	0.54236	0.828272	0.530683	3.92168	3.58178	0.480725	0.573637	0.390868	0.891893	0.402113	0.723852	0.248626
GCSAML	0.350256	0.319887	0.449772	0.0969714	0.0406022	0.00445132	0.143252	0.14867	0.0827678	0.144349	0.159339	0.0523679	0.337289	0.0628412	0.0525535
GCSAML-AS1	0	0	0.0100081	0.0124671	0	0	0	0	0	0	0	0	0.0390271	0.0126457	0.0521218
GCSH	3.98759	1.73278	2.11622	4.82265	0.958332	5.77856	2.25068	2.80832	1.81429	2.98401	6.37004	1.432	2.68927	2.57169	2.52838
GCSHP3	1.89773	2.23013	2.8144	1.38328	1.22227	1.35971	1.3212	2.44755	1.83207	0.958548	1.69817	1.73874	1.314	1.24584	1.22974
GDA	1.01602	0.452725	0.309666	3.20408	0.296659	0.881387	1.35631	0.597442	3.68428	0.417079	0.89687	2.07984	0.174972	0.135748	0.148107
GDAP1	1.42133	0.719492	0.565585	1.0321	0.381942	1.94557	0.49301	0.826116	0.861856	1.25702	1.23215	0.87539	1.18402	0.959119	1.19716
GDAP1L1	0.469275	0.614248	0.530563	0.11284	0.80184	0.113215	0.759053	0.430954	0.0666777	0.0490823	0.00882921	0.25743	0.0201849	0.151246	0.0449292
GDAP2	2.51813	2.29503	2.50846	2.00896	0.643086	1.69285	2.28035	2.96769	2.0473	1.91286	1.84631	1.74969	2.02535	1.94024	1.86861
GDE1	9.67263	7.00188	7.03378	9.16131	7.71714	13.951	10.0173	8.61005	30.4235	11.1967	18.0676	8.1134	11.5513	7.43729	6.82314
GDF1	0.0406177	0.0626164	0.0577562	0.0113566	0.238308	0.18471	0.0546161	0.0342683	0.0164893	0	0	0.00372471	0.00582363	0.0141524	0.0583321
GDF10	2.13481	0.36945	0.490173	0.0448976	0.947455	0.489682	4.62619	0.317497	0.0424482	0.032809	0.108201	0.024939	0.0730848	0.00455405	0.625684
GDF11	0.931732	1.06944	1.09612	0.732617	1.30335	1.80214	1.11437	1.00236	0.137211	0.77061	1.25633	0.319601	0.616796	0.935303	1.78228
GDF15	0.215053	0.0637637	0.0957962	0.187524	0.539623	3.01436	0.283317	0.249928	0.020147	0.664404	1.9795	0.0236733	0.320195	0.0605211	0.237572
GDF2	0	0	0	0	0	0	0	0	0	0	0	0.00505942	0	0	0
GDF3	0.073704	0.00887793	0.0304866	0.0949426	0	0.094137	0.0420764	0.0163755	0.112204	0	0.0416013	0	0.0713302	0.0288907	0.0529241
GDF5	0.0714016	0.0645045	0.0295342	0.00919768	0.0138639	0.113995	0.0815203	0.015864	0	0.011202	1.11E-08	0	6.34E-09	0.0046647	0
GDF5OS	0.0133313	2.04E-09	3.88E-11	0	0	3.56E-39	5.66E-06	0	0	0	0.0300986	0	0.0172025	0	0
GDF6	0.112649	0.00904598	0	0.0838412	0.272195	0.149207	0.0714548	0.0556182	0.114328	0.0785476	0.0847776	0.0223898	0.161512	0.242042	0.0359506
GDF7	0.441725	0.533219	0.730852	0.181105	0.889045	0.236593	0.648059	0.498097	0.529294	0.205668	0.179622	0.276982	0.104193	0.192387	0.235332
GDF9	0.120022	0.119058	0.0876094	0.0509296	0.109668	0.132255	0.112854	0.106665	0.060189	0.0443058	0.0478199	0.0606204	0.0683272	0.0295194	0.0608353
GDI1	11.287	14.0316	13.5045	19.6968	28.2551	26.3144	12.557	9.93977	28.2311	20.629	20.7341	18.4951	33.4144	17.5803	16.8258
GDI2	33.7947	28.9579	30.0117	63.9168	14.7254	61.4397	27.7931	29.6569	44.7334	59.2137	77.9529	30.3446	69.7479	41.1603	35.5781
GDNF	0.1882	0.0426718	0.0274751	0.102677	0.0601875	0.240375	0.11376	0.0983861	0.0269654	0.333473	0.41866	0.237639	1.04997	0.665386	0.270279

GDNF-AS1	0.0834987	0.0670516	0.0575633	0.0573652	0.021617	0.035549	0.0317787	0.123678	0	0	0.125679	0.0298728	0.134682	0.116373	0.299787
GDPD1	0.467538	0.446749	0.49889	0.28298	0.510201	0.310744	0.440846	0.306811	0.223667	0.327625	0.339444	0.26143	0.111972	0.268251	0.251929
GDPD2	1.02478	2.67453	3.44605	2.04369	3.46374	1.64015	4.0844	1.6697	2.7735	2.53669	1.4782	2.10473	1.34686	1.87955	0.476946
GDPD3	4.23477	3.02455	2.35183	9.01347	8.7733	5.61154	4.26953	2.40628	36.6433	18.3805	32.985	13.8987	8.80999	9.50041	3.77978
GDPD4	0	0	0.00737218	0	0.0138426	0.00758799	0	0	0	0	0	0	0.0172489	0.0139725	0
GDPD5	0.825421	0.438546	0.69392	0.593136	1.14355	1.64122	1.36017	0.551166	0.0706407	0.352796	0.700108	0.20432	0.512407	0.608626	1.29434
GDPGP1	0.488051	0.417202	0.221411	0.632744	1.54068	1.2199	0.251657	0.461722	0.191739	0.375436	0.693129	0.428068	0.548515	0.386729	0.474805
GEM	1.99308	1.93081	2.1838	2.49094	3.52411	10.1012	1.88829	1.79013	0.697217	3.93857	5.46927	1.0544	3.84409	4.72631	8.96753
GEMIN2	1.58374	1.42768	1.28201	2.03573	0.925843	2.55207	1.18607	0.908063	1.30662	1.81677	4.30621	0.828583	1.3844	1.44185	1.44293
GEMIN4	3.7118	6.63198	7.65618	5.99905	6.89962	7.99618	5.70719	4.20589	4.67124	2.6011	2.66773	3.90416	6.86119	4.01892	2.73638
GEMIN5	2.47105	2.28421	2.53315	3.79987	2.52123	4.86085	2.43507	1.96389	1.54906	1.63402	2.25287	1.74971	3.81308	3.11117	2.13417
GEMIN6	1.47152	1.85307	1.41102	5.06631	1.92214	3.38875	1.18373	1.2186	2.28092	4.11358	8.72113	1.77081	3.15035	3.23364	1.39285
GEMIN7	1.54103	1.72862	1.47757	3.30179	2.27808	2.49996	2.16367	1.4138	2.65422	2.23439	3.99668	1.62794	3.04519	2.30133	1.31805
GEMIN7-AS1	0.221243	0.165561	0.355629	0.189637	0.261779	0.466577	0.277562	0.335447	0.198147	0.0562535	0.121689	0.1648	1.05E-26	0.221111	0.499963
GEMIN8	2.44344	2.11494	2.10301	2.65643	2.5941	2.21163	2.34593	1.8247	2.32503	1.69742	2.13011	1.86151	1.39553	2.10737	2.041
GEMIN8P4	0.326342	0.117927	0.191231	0.308279	0.147852	0.451548	0.310505	0.145013	0.132482	0.153597	0.13815	0.301612	0.377242	0.120814	0.0390556
GEN1	1.25089	0.962091	0.851883	1.69382	0.189692	1.17191	0.523807	1.19381	0.582846	1.29659	1.18482	0.71084	0.939092	1.45761	0.924283
GET4	5.24265	6.02393	6.03342	7.84706	14.6861	9.52268	4.39134	4.9252	10.0702	7.58169	10.3852	7.23287	9.91161	6.64445	3.15172
GFAP	0.068844	0.0193492	0	0	0.0623808	0.615508	0.0720535	0.0152957	0	0.014401	0.0259054	0.00410498	0.00740296	0.0269857	0.0164781
GFER	1.46025	1.50435	1.53387	2.06914	2.67119	3.86922	1.20657	0.990388	0.971111	1.57955	2.62449	0.728644	1.74793	1.41592	1.11754
GFI1	0.120286	0.0857744	0.119411	0.0595	0.149477	0.0655501	0.120858	0.17104	0.0234392	0.0724663	0.0923359	0.0585262	0.127277	0.0653815	0.110557
GFI1B	0.028166	0.0361888	0.0310679	0.0290259	0.0145838	0	0.0107197	0.00834386	0	0.0117837	0.0211973	0.00671784	0.0363451	0.00490692	0
GFM1	5.40209	4.33704	4.47903	7.6318	2.35562	8.75365	4.20001	4.43286	4.97698	5.99283	7.74832	3.55592	9.12792	5.46848	4.29448
GFM2	2.43098	2.35043	2.12561	3.13499	1.02449	2.967	1.41841	1.92804	2.80454	2.54894	3.61203	2.03517	2.58442	2.58291	2.01317
GFOD1	4.00164	2.42792	2.29242	2.72606	6.52981	3.20083	2.68701	1.95977	7.38962	3.69216	1.95701	5.43095	6.14312	4.89412	2.76056
GFOD2	2.54995	3.05597	2.8061	8.25428	7.42598	5.40933	2.86105	2.99643	22.8141	6.04292	7.43984	5.90369	9.11114	6.07975	3.61816

GFPT1	2.82938	2.16402	2.45725	3.70228	1.89185	5.29616	2.36416	2.65867	1.6614	4.1386	4.41579	2.02071	6.14225	3.19797	4.98376
GFPT2	1.1897	0.937334	1.40512	4.41059	0.883329	2.4529	2.32374	0.844516	1.24844	3.23996	6.42793	0.835201	3.99243	2.55364	8.75772
GFRA1	4.21853	2.53208	3.92919	0.459241	0.19368	0.983038	3.53269	3.83939	0.134981	0.0637566	0.0078197	0.0413037	0.0342643	0.00241356	0.238753
GFRA2	0.736686	0.190867	0.252974	0.444046	0.550572	2.08303	1.04744	0.59294	0.00846415	0.331466	0.800245	0.104429	0.654666	0.443141	0.55893
GFRA3	0.57528	0.0230982	0.00991484	0.0617545	0.0186169	0.367383	0.643152	0.159769	0.0145964	0.0150424	0.270592	0.0171512	0	0.0125278	0.017212
GFRA4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GFRAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GFY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GGA1	3.72222	6.01537	5.2083	7.0701	12.1878	8.00101	6.85859	3.308	12.1321	6.52316	5.26483	8.02153	9.74388	6.02649	5.39067
GGA2	7.02079	5.97764	7.7249	3.4858	4.6584	7.2285	7.17557	5.46128	2.01023	2.86433	3.62601	1.92958	2.85486	2.6447	4.15663
GGA3	4.028	5.39748	5.28784	5.64439	7.20694	7.87767	5.85728	3.69728	4.20101	3.34732	2.61256	4.35671	5.15149	4.20753	4.93007
GGACT	0.722408	0.717782	0.866413	1.09341	0.688409	1.47842	0.617014	0.548892	0.557112	0.563848	1.33946	0.38999	1.45232	0.529047	0.386357
GGCT	8.4474	12.2186	10.4536	19.4431	10.248	12.7361	12.1558	8.20531	49.0378	11.2595	17.3777	10.4402	10.2698	7.75357	4.48666
GGCX	2.22516	2.43752	2.68959	3.12729	2.49909	2.10752	2.56762	2.07745	1.75611	2.69888	2.5483	3.24469	2.61672	3.25102	2.99915
GGH	10.796	11.4646	5.7488	10.7419	6.81877	6.90767	13.9381	7.8576	97.7618	40.8448	67.8531	35.4053	15.9126	12.5658	5.43543
GGN	0.290094	0.455552	0.533303	0.409673	0.751027	0.494022	0.478429	0.324651	0.235535	0.431523	0.254707	0.376701	0.610026	0.449232	0.401182
GGNBP1	0.0463324	0.0223237	0	0	0	0	0	0	0	0	0	0	0	0.0121077	0
GGNBP2	11.3071	8.56779	8.74168	10.9398	5.21863	12.5301	5.22907	7.41013	9.30274	10.3936	9.37584	6.46663	12.6592	8.12465	6.98606
GGPS1	3.00699	3.05039	3.00624	3.31869	1.15846	4.18875	1.85762	2.57017	5.39219	4.56536	5.1301	2.40663	4.29615	2.57279	3.48539
GGT1	0.421843	0.322139	0.319316	0.27441	0.70412	0.592937	0.469439	0.401522	0.246245	0.424957	0.763753	0.775496	0.34025	0.435089	0.442908
GGT2	0.0143301	0.0172678	0.00741214	0.0184666	0.0278352	0	0.0690054	0.0275209	0	0	0	8.33E-24	0	0	0
GGT3P	0.11419	0.200118	0.260952	0.0415017	0.193265	0.148678	0.522486	0.205759	0	0.0351104	3.15E-39	0.0177934	0	0.0207247	0
GGT5	6.79984	1.65021	1.9106	5.96846	9.135	26.2188	4.0091	2.89112	1.03424	2.90503	6.59796	1.61141	6.32646	3.00611	11.2201
GGT6	5.66626	10.6483	12.2724	4.66604	15.8753	5.89774	11.5201	6.16334	16.2149	7.12265	6.475	10.7888	9.29102	4.26049	0.93606
GGT7	1.72696	1.87535	2.43671	1.09311	3.45874	2.04525	2.3121	1.17641	0.50179	0.704168	1.08857	0.508074	0.661749	1.40199	1.76253
GGT8P	0.158386	0.129549	0.138736	0.124763	0.420438	0.0555322	0.447498	0.180964	0.0453875	0.924906	0.0778469	1.40747	0.40876	0.832449	0.495338

GGTA1P	4.47035	2.28731	2.04001	1.73946	2.29419	6.3329	2.13801	3.0705	0.915431	1.8537	5.47821	0.434038	1.32727	0.944212	3.40886
GGTLC1	5.51E-24	2.21E-09	2.67E-12	1.81E-36	0	0	0	0	0	0	0	0	0	0	0
GGTLC2	0.0640997	0.0283322	0.0316131	0.102803	0.101626	0.102628	0.131612	0.0322639	4.20E-10	2.72E-21	1.78E-08	0.0244385	0.0181058	0.0799206	0.283487
GGTLC3	0.00957805	0	0	0	0	0	0.116139	0.0328013	0	0	0	0.0171069	0	0	0
GH1	0.0273559	0	0.0226307	0	0.0424931	0.0232931	0	0	0	0	0	0	0	0	0
GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GHDC	1.84414	1.324	1.73707	2.49316	4.92085	5.698	2.24109	1.12777	1.03403	1.91354	3.46281	0.849205	2.09104	1.60797	2.72709
GHET1	0.0121934	0.0528746	0.0504362	0.113091	0	0.16612	0	0.0216729	0.0891011	0.0765198	0.178943	0.113421	0.0786711	0.0382368	0
GHITM	19.7789	14.6748	14.8927	27.3749	10.5983	27.3019	13.39	14.7811	25.4925	37.2901	37.7536	18.5001	42.4723	19.8942	12.0514
GHR	1.31482	0.914853	0.807212	0.815305	0.298455	1.04577	0.572097	1.02118	0.307413	0.288436	0.514602	0.177914	0.371897	0.261877	0.74123
GHRH	0.0490319	0	0	0	0	0	0.055983	0	0	0	0	0	0	0	0
GHRHR	0.072007	0	0	0	0	0	0	0.0255975	0	0	0	0	0	0	0
GHRL	0.692156	0.870235	0.996097	0.441659	1.4646	0.496299	0.730951	0.624646	0.0626347	0.301227	0.232228	0.367988	0.0663635	0.582379	0.713966
GHRLOS	1.11243	1.46051	1.40577	0.793125	3.45179	0.710708	1.22102	1.3776	0.369648	0.435363	0.244737	0.868694	0.251777	0.912124	0.996312
GHSR	0.00749209	0.0036098	0	0.00772081	0	0.00637941	0	0	0	0	0	0.00536079	0	0	0
GID4	2.3843	3.43584	3.30252	3.69691	4.45117	4.69368	3.61519	2.44945	9.38411	4.88004	6.30299	4.06552	3.97287	3.00103	1.85344
GID8	8.36956	8.34223	8.54998	12.2561	11.0844	13.6077	9.6695	7.71692	21.335	14.0609	16.0047	10.8177	16.9623	8.8087	5.17277
GIF	0.0305923	0.0147398	0	0.0157631	0	0	0	0.0135939	0	0.0383964	0.0172674	0	0	0	0
GIGYF1	6.41386	7.45256	9.01726	5.93775	17.3333	11.1007	8.18088	6.37719	3.92294	3.28673	2.10813	5.1471	3.41115	4.75229	6.66661
GIGYF2	5.60663	6.07864	6.11089	5.87945	4.8383	7.38942	4.54227	5.32255	5.04254	3.9157	3.35898	4.28887	5.45048	4.74476	3.9968
GIMAP1	1.36996	0.661847	0.758393	0.745583	1.70509	2.5912	0.668115	0.680395	0.180332	0.622661	0.979285	0.137763	0.690331	0.571293	1.44187
GIMAP1-GIMAP5	2.47312	0.995893	1.35036	2.31177	5.74228	5.18898	1.53209	1.12665	0.206366	1.33585	3.50647	0.556008	2.31832	1.28135	2.73515
GIMAP2	1.54073	1.09032	1.03561	1.43891	1.04706	2.17285	0.971201	1.21238	0.332286	1.7122	5.05482	0.298576	1.68785	0.805253	2.00524
GIMAP4	5.02758	2.1668	2.35623	4.49186	3.20623	8.26733	1.80373	2.9719	0.603877	3.18401	6.14415	0.660069	3.93567	2.39861	5.71327
GIMAP5	4.3632	1.3299	1.39263	2.89308	1.57493	8.52188	2.40998	2.52034	0.34815	1.95466	3.83986	0.267963	1.23016	0.301579	3.40463
GIMAP6	6.2886	2.02947	2.21701	3.49938	5.01747	7.88844	3.41106	2.49209	0.648443	3.24476	4.5279	0.62225	3.90854	2.35913	5.44593

GIMAP7	6.06352	1.93254	2.25883	3.12432	3.74409	8.51415	1.67703	3.09602	0.275206	3.56882	9.3321	0.673697	3.31682	1.5058	4.38103
GIMAP8	3.17823	1.59257	1.55926	3.15564	3.17678	7.50212	1.98795	1.73894	0.343317	1.64416	2.50212	0.593246	3.09905	1.66975	3.52447
GIMD1	0.0707739	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GIN1	0.521681	0.534126	0.404598	0.638409	0.141811	0.488625	0.275483	0.567942	0.42886	0.70387	1.17782	0.307953	0.774147	0.579388	0.533804
GINM1	11.347	9.17173	9.74947	10.1471	5.46128	14.1197	8.02849	10.571	14.513	11.1486	14.4538	7.10811	12.4726	7.90534	10.2871
GINS1	0.501489	0.525699	0.465324	2.15101	0.442127	1.82922	0.719599	0.578182	0.338393	1.00367	1.87432	0.737054	2.68028	1.48051	0.603413
GINS2	0.823736	0.755978	0.941053	4.87097	0.7921	3.9913	1.81385	0.610056	0.453836	2.14159	3.6753	0.996375	4.06195	2.06035	1.18299
GINS3	1.81002	1.71154	0.840771	2.83283	2.07486	2.40659	1.07199	1.50537	2.45195	1.50641	2.88463	1.80762	2.64163	1.52775	1.12595
GINS4	0.424784	0.328046	0.338948	1.37845	0.27142	1.14404	0.534773	0.294512	0.132086	0.786482	0.96408	0.331965	0.98353	0.719692	0.899917
GIP	0	0	0	0	0	0	0	0	0	0.0408536	0	0	0	0	0
GIPC1	21.0381	24.7367	23.0022	65.7756	62.3664	47.9484	22.622	14.9553	73.8101	64.8113	53.151	49.329	108.076	44.311	16.9598
GIPC2	0.686669	1.27852	1.27092	0.803581	0.569474	0.564869	0.823881	0.930895	1.23317	0.591602	0.827717	0.341433	0.998704	0.407545	0.484714
GIPC3	0.300211	0.173059	0.172962	0.375671	0.582914	0.839913	0.618212	0.133401	0.13058	0.450809	1.12563	0.24166	0.428895	0.406268	1.11635
GIPR	0.351825	0.539057	0.622857	0.623613	0.797898	0.461345	0.666826	0.400221	1.17404	2.81725	0.730786	2.30594	1.1259	2.23598	0.707371
GIT1	7.04755	7.78767	8.91073	8.20787	11.4923	14.6903	8.53157	5.92966	4.85754	5.09864	5.30155	4.43492	8.85564	6.51106	4.87054
GIT2	4.81815	4.28695	4.53151	4.93927	3.01722	7.17109	3.83481	4.13786	2.26029	3.98479	5.52452	3.00402	4.78737	4.26791	6.81601
GJA1	65.2811	106.577	81.1255	94.8038	85.3636	87.9464	83.4828	91.3828	360.748	150.853	182.879	177.571	105.729	76.3826	45.5492
GJA10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GJA3	0.0933725	0.0471306	0.0110349	0.361982	0.193386	0.321808	0.0609199	0.0474181	0.270755	0.318093	0.37645	0.279968	0.352855	0.262594	0.121324
GJA4	3.23889	1.21681	1.10955	3.14662	7.8902	7.92128	1.8083	1.03979	1.09476	2.23851	5.12204	1.30679	5.35777	3.13948	9.40535
GJA5	1.3176	0.232092	0.128926	1.83234	1.23242	2.5213	0.331614	0.264414	0.612544	1.17361	2.32708	0.567695	5.10064	1.67346	5.97177
GJA8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GJA9	0.00092412 6	0.00109319	0.0293808	0.0491959	3.68E-05	2.98E-05	0.0042837	5.03E-05	0.00020714 2	0.0171703	0.0102775	0.00325246	3.90E-10	0.196306	0.0934604
GJA9-MYCBP	0.856549	0.740734	1.15005	0.965449	0.544819	0.497285	0.569394	0.886772	0.888775	0.930067	0.416444	0.744004	0.391512	0.750664	0.366929
GJB1	0.0534173	0.109383	0.0883811	0.0825721	0.103719	0.238792	0.0609902	0.154287	0.0162641	0	0	0.00955538	0	0	0

GJB2	70.7391	46.4962	14.5644	918.864	125.776	487.048	26.22	55.1498	805.889	753.775	1129.05	554.089	1220.05	597.683	165.17
GJB3	8.98365	15.4128	19.4548	16.8935	13.4044	15.0477	23.1096	10.8261	31.5531	20.8962	15.451	12.9546	44.4905	15.7622	5.28503
GJB4	0.603023	3.90274	5.75715	0.487069	1.18987	0.249794	5.10802	3.02721	1.39936	0.879589	0.275975	0.180755	2.03998	0.268317	0.0819206
GJB5	5.03852	10.9285	11.7841	14.0457	14.0348	10.6601	16.4979	7.51363	20.7804	21.2653	16.1767	11.7811	43.8146	13.1846	3.92459
GJB6	27.8491	25.7642	8.54218	207.349	64.1298	112.631	10.3673	17.9351	209.475	208.625	245.643	132.43	369.014	175.342	32.9446
GJB7	0.162407	0.190735	0.134355	0.0523017	0.126137	0.0691439	0.162253	0.162376	0.0865348	0.0636994	0.057293	0.101681	0.0458432	0.0848812	0.1311196
GJC1	1.19001	0.624712	0.58039	0.719942	0.892061	0.909931	0.517123	0.660332	0.710228	1.54932	3.02425	0.640187	1.32358	2.76318	4.15772
GJC2	0.767871	0.318457	0.442254	0.250416	0.860605	0.595898	0.554893	0.112297	0.15389	0.365984	0.263341	0.827626	0.413901	0.609604	0.809621
GJC3	0.933188	0.539549	0.634754	0.235077	0.12885	0.582704	0.757677	0.847769	0.707166	0.0520554	0.21069	0.178059	0	0.0433533	0.238253
GJD2	0	0.010174	0	0.0435211	0.0328003	0	0	0	0	0	0	0	0	0	0
GJD3	1.24277	1.10927	0.966517	1.5581	2.41974	4.64244	0.948151	0.615858	1.12296	0.769121	1.14433	0.663854	1.28219	0.655513	0.56751
GJD4	0.0439425	0.0352869	0.0121174	0	0.113763	0.0623608	0	0	0.017839	0.0367682	0.0330704	0.0209614	0	0	0.0210357
GJE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GK	1.00116	1.3643	1.43895	2.29793	0.581219	1.40788	1.06541	1.35551	2.48172	3.63008	5.20571	1.48337	4.04532	2.91225	2.89737
GK2	0.0124025	0	0	0	0	0	0.0141608	0.0220446	0	0	0	0	0	0	0
GK3P	0.974663	0.674436	0.634754	1.30361	0.306019	0.379641	0.905154	0.749662	0.265187	0.741789	0.280921	0.853199	0.113728	0.910419	1.23594
GK5	3.76927	3.17487	2.8627	1.77342	1.59006	2.15541	3.04789	3.04873	3.77353	2.2796	2.3781	2.48712	1.89931	2.12036	1.88705
GKAP1	0.469533	0.398876	0.531537	0.540953	0.37505	0.77321	0.28614	0.340414	0.180581	0.155082	0.446354	0.114935	0.143498	0.200194	0.408135
GKN1	0	0.0135984	0	0	0	0.0240317	0	0	0	0	0.0318605	0	0	0	0
GKN2	0.0289288	0	0.0478639	0.029812	0	0	0	0	0	0.0363086	0	0	0	0	0
GLA	2.30125	2.0996	2.53834	3.6834	2.30703	4.50264	2.59022	1.8711	4.63135	3.62574	7.90401	2.44071	4.09624	2.82344	2.34389
GLB1	4.37254	3.77122	3.90373	7.16976	3.32723	9.07139	5.28664	3.59253	3.34423	4.77042	10.4447	3.07682	7.23724	4.47378	6.78839
GLB1L	0.777128	0.621311	0.47334	0.695246	0.862249	1.80335	0.770294	0.690647	0.416024	0.996813	2.04377	0.433846	0.854031	0.830175	1.2019
GLB1L2	1.51842	1.6015	2.03311	1.22196	2.5461	3.9732	2.95328	1.4128	9.29481	0.558391	1.46943	0.989176	0.31236	0.310536	0.126414
GLB1L3	0.597443	0.650962	0.962245	0.659026	0.95914	1.21741	0.694534	0.553884	5.16583	0.299438	0.92778	0.363009	0.121726	0.205427	0
GLCCI1	1.57892	1.64713	2.15303	0.791171	1.38006	0.916845	2.13355	1.73793	1.6642	0.569666	0.888478	0.72899	0.439262	0.51986	0.790516

GLCE	2.38568	2.54524	2.55079	2.39225	0.599319	2.2586	1.57854	1.90875	2.12234	3.27272	3.64048	2.30977	3.38547	2.12572	2.35028
GLDC	0.133669	0.0673315	0.0402112	2.75501	0.132131	2.82475	0.0416235	0.0431979	0.140595	0.831219	1.2689	0.643424	2.18351	0.870093	0.183241
GLDN	2.0191	1.20084	1.64424	1.33762	2.12124	3.89897	2.18184	1.72232	0.878228	0.458189	0.936147	0.27411	0.398375	0.138975	0.265373
GLE1	4.51554	4.39248	4.70349	6.59062	4.60467	7.46036	4.15759	3.87285	4.67491	4.33929	4.77102	3.29684	6.4544	4.42466	2.88847
GLG1	11.2064	9.68801	11.0434	11.2118	10.3149	17.368	11.6748	9.60615	7.08979	9.38069	10.2478	7.01819	13.6688	8.87745	14.2903
GLI1	0.191899	0.12328	0.148169	0.0263677	0.198724	0.1634	0.576975	0.108011	0.038952	0.160569	0.259956	0.0320388	0.0784145	0.120354	0.817589
GLI2	0.506009	0.360762	0.398807	0.186738	1.20025	0.521107	0.956401	0.467929	0.0791146	0.201685	0.277891	0.144336	0.161031	0.169756	0.873995
GLI3	5.16732	6.36541	6.61727	6.27743	5.61514	9.15007	7.13518	6.16978	3.50347	3.45847	4.30656	4.56424	3.60479	3.84042	5.60818
GLI4	2.24021	2.87277	2.63733	2.05998	3.9081	3.3308	2.28234	1.74587	1.25922	1.16793	1.90641	1.63992	0.68933	1.45003	0.890922
GLIDR	1.60134	1.96957	2.00979	1.22232	1.40064	1.5934	1.5515	1.55921	0.849244	0.561049	0.901221	0.672116	0.535396	0.914331	1.00239
GLIPR1	1.8826	1.17797	1.63616	2.70696	0.307438	3.25684	1.2421	1.99218	2.36121	7.76054	13.9646	1.47953	9.91064	9.1551	7.31488
GLIPR1L1	0.201829	0.162074	0.204071	0.11555	0.0348344	0.11457	0.0768139	0.279018	0	0.0562925	0.0506311	0.016046	0	0.023441	0.128823
GLIPR1L2	0.21036	0.231654	0.231507	0.106402	0.102741	0.0749021	0.222307	0.260866	0.048332	0.0499731	0.037333	0.0636497	0.0298721	0.0656804	0.113986
GLIPR2	2.43355	1.0709	1.35556	2.86729	2.26808	4.31694	2.96378	1.41299	0.493965	4.38808	9.45938	1.00994	4.75742	2.94653	4.99768
GLIS1	0.846497	0.372217	0.41473	0.558975	1.53192	1.3016	0.797599	0.503965	0.100091	0.711732	1.17825	0.605691	0.477223	1.43463	3.03329
GLIS2	2.8793	1.59438	1.82931	1.22743	4.45644	4.56384	3.52398	1.5924	0.252277	1.24143	2.37347	0.863359	1.60712	2.05699	5.32498
GLIS2-AS1	0.451257	0.124242	0.106661	0.0664334	0	0.0548914	0	0.0572914	0	0.161821	0	0	0	0	0
GLIS3	1.11738	0.225301	0.251429	1.38456	0.92106	2.67261	0.404848	0.434117	0.0471756	1.59233	3.10769	0.590573	2.68181	3.45156	9.88556
GLIS3-AS1	4.43E-40	0.0162904	0	0.0683719	0	0.124563	0	0.0299685	0	0.128137	0.182863	0	0	0.275993	0.313072
GLMN	1.13893	1.14141	1.44157	1.73707	0.300756	1.69712	0.897272	1.78145	1.44257	1.94409	1.50428	1.06756	1.39618	1.5298	1.14495
GLMP	3.78841	5.1145	4.49937	6.62273	9.28345	16.1076	6.49537	4.36687	5.32953	7.54811	19.393	5.59137	9.18814	6.11641	6.89505
GLO1	12.2615	13.4996	15.9921	33.3498	6.43079	22.2102	12.2692	15.1995	36.5476	51.9749	46.735	18.9228	69.8714	19.6095	14.4414
GLOD4	8.781	8.89869	9.95319	12.6324	6.61449	15.6725	7.96891	8.1957	8.83774	7.30521	10.638	7.04927	10.3636	6.73586	6.36864
GLOD5	0.0628034	0.0302596	0	0	0	0.0267381	0.10756	0.0558144	0	0	0	0	0	0	0
GLP1R	0.117759	0.16187	0.232085	0.0107077	0.1076	0.0796262	0.229361	0.141591	0.0253089	0.0347763	0.0195493	0.0569991	0.0223463	0.0868883	0.0447661
GLP2R	0.025304	0.00731512	0.0251199	0	0	0.00861841	0.0173348	0.00449762	0.00616349	0	0.00571302	0.00724228	0.00979561	0.00528999	0.0145359

GLRA1	0.0762539	0.0734806	0.115651	0.0785818	0.0592243	0.0541076	0.0580428	0.0677681	0	0.0957064	0.0286937	0.0454681	0	0.0464959	0.0182517
GLRA2	0.0124425	0.00299749	0.0102933	0.00641118	0	0	0	0.0110579	0	0	0	0	0	0	0
GLRA3	0.00629914	0	0.0052111	0	0	0.0214546	0	0.0167945	0.0153433	0.00790607	0	0	0	0	0
GLRA4	0.0428972	0.103343	0.133079	0.0331551	0	0.0547896	0.0612233	0.10484	0.039183	0	0.0484256	0.00767353	0.0276771	0.016815	0.0462044
GLRB	0.115211	0.128368	0.208492	0.0371027	0.0559259	0.165545	0.156209	0.159985	0.00876964	0.144602	0.211346	0.0257615	0.0371668	0.037634	0.09307
GLRX	4.34107	4.45219	4.4573	5.89766	6.41795	12.6341	6.5821	4.32938	72.5699	8.40927	22.2651	8.68923	3.05299	2.37826	3.58824
GLRX2	1.23521	1.28121	1.29151	1.90938	0.666219	1.53383	1.56703	1.32645	2.94601	1.91636	3.44726	1.76765	1.88169	1.47944	1.08406
GLRX3	8.22135	8.46363	7.29999	24.4847	6.95996	15.4008	6.58645	7.37949	23.4464	23.2686	31.4777	17.3245	33.8501	18.8129	8.69773
GLRX5	6.02787	5.23729	5.46082	8.35041	4.75843	12.3184	5.43824	5.02335	7.94301	5.18429	11.4676	4.85047	8.42861	6.1046	3.74654
GLS	7.2029	4.25189	5.65888	5.07842	3.35416	4.05774	4.2387	6.86786	3.58505	6.65184	6.67779	3.98	8.07872	6.37441	8.2485
GLS2	0.595374	0.749935	0.851383	0.31554	0.462411	0.499711	0.631223	0.544237	0.186454	0.117426	0.163225	0.249518	0.120727	0.288942	0.305369
GLT1D1	0.0982238	0.0982919	0.0875083	0.700771	0.422517	0.553286	0.0431342	0.255165	0.0736158	0.54054	0.793237	0.113532	0.555737	0.118468	0.292975
GLT6D1	0	0.00730713	0.0752774	0	0	0	0.0346317	0	0	0	0	0	0	0	0
GLT8D1	3.77737	3.17106	3.40026	3.66166	1.92735	5.92676	2.49629	3.07758	1.80743	4.92576	8.77222	1.96314	3.66736	3.38214	6.04297
GLT8D2	1.88338	1.07512	1.13468	1.82485	2.22596	2.64955	1.53098	1.28263	0.56097	4.97175	11.9131	0.725072	1.7897	2.31104	9.09916
GLTP	53.0345	68.2056	60.8416	87.4215	100.951	66.3865	66.8899	66.1633	403.272	125.496	168.785	123.886	126.926	65.3448	23.9257
GLTPD2	1.19314	0.748245	0.955711	1.42473	2.0887	1.85449	0.67033	0.437609	1.75295	1.49751	1.15449	0.948579	2.19944	0.910632	0.897545
GLUD1	22.1004	19.326	22.4991	19.8771	14.46	27.2068	19.0039	14.6534	13.7671	23.4574	28.6677	12.9791	30.4607	18.3144	15.7749
GLUD1P2	0.241159	0.116096	0	0	0.148586	0.205335	0.220137	0.253921	0	0	0.163075	0	0.184658	0.0757983	0
GLUD1P3	1.73056	1.38139	1.60259	0.692064	1.08329	1.09967	2.35928	1.1707	0.660601	0.583532	0.408213	0.59141	0.266639	1.39045	1.37248
GLUD2	0.151421	0.0310528	0.0625229	0.0444668	0.0938965	0.194325	0.049642	0.095855	0.0130544	0.107054	0.253602	0.0312703	0.139225	0.168757	0.0472848
GLUL	24.5442	10.3152	13.0778	49.9059	8.88528	59.0422	11.6981	20.8164	3.42401	14.9222	31.8692	3.44887	17.7624	8.90255	21.0108
GLYAT	0.0280409	0.00900701	0	0	0	0.00795881	0.010672	0.0249204	0	0	0	0.013376	0	0	0
GLYATL1	0.0612858	0.0442927	0.0823874	0.0236838	0.0356993	0.0847991	0.0699741	0.136164	0.0279897	0.009615	0.008648	0.0219258	0.0543693	0.0400383	0.0330053
GLYATL1B	0.0763797	0.0245339	0	0	0	0.0216788	0.0290693	0.158386	0	0	0	0	0	0	0
GLYATL2	0.621403	0.113287	0.0833624	0.0346148	0.365231	0.64352	0.249283	0.373143	0.040908	0.0843161	0.0758363	0	0.065015	0.0351105	0.31355

GLYATL3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLYCAM1	0	0	0	0	0	0.0504635	0	0.10534	0	0	0	0	0	0	
GLYCTK	1.16933	1.23538	1.08827	1.31173	2.24209	1.48832	1.55762	1.05003	0.645303	0.909627	0.797519	0.963064	0.746589	1.5024	2.37902
GLYCTK-AS1	0.421147	0.338192	0.28204	0.413338	0.373821	0.307373	0.50375	0.374281	0.122121	0.251706	0.0679176	0.430489	0.129391	0.387813	0.547219
GLYR1	7.03697	8.3319	8.29918	13.3037	11.3743	15.3871	8.06016	6.35836	11.6179	7.67979	7.58994	8.2597	11.905	8.90635	6.93831
GM2A	26.4372	26.1069	22.6281	119.414	33.6595	61.4561	20.0759	25.0019	108.881	46.352	72.9903	47.8068	52.0333	20.9008	13.2025
GMCL1	1.736	1.79952	1.79405	1.67049	1.01229	2.20562	1.33183	1.87377	2.20096	1.71147	2.8005	1.1246	2.13059	1.50551	1.17971
GMCL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GMDS	3.23477	1.79931	1.71875	6.03016	3.63577	5.85581	2.19199	1.77629	1.15305	2.096	2.64225	1.99466	2.68942	2.89331	2.07727
GMDS-DT	0.918144	0.617922	0.663102	0.315391	0.724416	0.707331	0.499194	0.919585	0.0532474	0.256081	0.411298	0.166846	0.084626	0.198038	0.523242
GMEB1	2.21637	2.39239	2.35944	3.13391	2.32189	2.64795	2.39327	1.98499	4.64529	2.60927	2.27896	1.90551	5.45388	2.97226	2.09732
GMEB2	2.25983	1.89959	2.18182	3.32927	3.40139	3.19631	2.30925	1.74472	2.22017	1.96309	1.7413	1.51277	4.27318	2.23533	2.05258
GMFB	2.76595	2.2815	2.4692	5.6603	0.505467	3.6259	1.81925	4.41269	2.71265	5.39392	7.1695	2.18786	6.9573	3.95855	3.99642
GMFG	4.21421	1.60746	2.23704	8.5048	4.20043	8.58213	1.56379	2.49683	1.66804	10.0496	26.6014	1.1559	6.07241	3.1019	5.39649
GMIP	1.64047	2.19802	2.23301	3.63032	4.38579	5.5484	2.47003	1.69025	2.40385	2.62497	2.45688	2.28681	5.47344	2.44575	3.88585
GML	0.0640195	0	0	0.032987	0	0.0272559	0	0	0	0	0	0	0	0	0
GMNC	0	0	0	0	0	0	0.00729139	0	0	0	0	0	0	0	0
GMNN	1.33026	1.68451	1.90468	4.23563	1.13914	3.47069	1.09045	1.28832	0.893133	2.93252	6.2763	1.29352	4.90757	2.90579	1.56752
GMPPA	3.17892	2.49712	2.39447	5.94011	6.8209	7.73079	3.40362	2.36346	4.21805	5.35608	9.96992	3.37208	5.1635	4.34433	5.45354
GMPPB	2.46786	3.04529	3.07373	5.2277	7.6456	6.58423	3.94481	1.98609	6.56216	4.8182	7.76964	4.32625	7.82852	4.32804	3.60324
GMPR	2.55108	1.25859	1.57967	1.02325	1.54237	6.10041	2.05811	1.39833	0.427901	0.191729	0.620807	0.284189	0.453374	0.255484	0.658145
GMPR2	4.38546	4.19248	4.07337	7.52629	6.11068	7.31304	4.21395	2.97131	4.43144	6.59413	6.20544	4.34958	4.81852	4.44791	5.03845
GMPS	9.93191	8.27674	9.43246	13.1969	3.48367	11.5299	8.75779	7.98084	8.75637	8.25519	8.85037	6.12215	13.6794	9.61834	7.29413
GNA11	8.24663	8.71878	9.41805	10.8229	15.6719	18.8122	9.68986	6.04872	6.20152	7.33005	6.00038	7.4228	11.0088	9.31753	9.64616
GNA12	4.04598	2.41455	2.6869	7.38841	5.75828	10.094	4.08069	2.24208	1.99086	4.73347	7.18283	2.45291	8.39044	5.63518	7.16603
GNA13	4.46961	4.11123	4.85635	6.58585	2.47487	5.87867	3.59756	5.65433	4.44947	6.63425	8.07136	2.85643	8.4465	5.11723	5.18533

GNA14	0.910485	0.358111	0.399667	0.574458	0.793739	1.91443	0.360665	0.363298	0.18104	0.443108	0.860016	0.226022	0.575452	0.529272	1.1608
GNA14-AS1	0.0987612	0.0158616	0.13617	0.0339254	0.102274	0.0280313	0.0375875	0.0585138	0	0	0	0.0471109	0	0.0860282	0
GNA15	5.82873	7.92923	8.55993	36.9119	20.0019	18.1833	7.68899	7.14808	34.3391	29.5232	24.5078	21.9227	62.6601	23.5762	7.48693
GNAI1	5.72212	8.70973	9.03572	7.14962	7.26695	5.45759	5.64669	8.02678	18.4336	9.61831	13.2929	9.24516	10.4763	7.32865	3.60151
GNAI2	22.5563	15.1307	17.0643	39.3549	34.9054	68.3085	21.7378	15.5588	21.2129	48.7934	74.0135	21.026	53.8019	32.0988	40.8167
GNAI3	8.37786	9.15713	9.67798	19.0867	4.14798	14.5047	7.19233	10.2534	24.1889	22.0062	24.0111	12.8955	29.3839	13.7443	8.65325
GNAL	3.50854	3.11978	3.30793	3.44457	3.27783	5.98253	2.26356	3.26944	2.4369	4.39515	2.37772	4.59625	4.88261	3.23846	1.8358
GNAO1	0.35052	0.246292	0.268226	0.340149	0.571702	1.13913	0.760402	0.220655	0.103166	0.219969	0.217631	0.183924	0.810383	0.265635	1.02356
GNAQ	6.6441	3.10278	3.65224	5.68134	1.60958	8.13964	3.48682	5.06489	1.97739	5.2159	6.30178	2.63416	7.07629	4.39544	6.1673
GNAS	19.5285	13.6723	14.5444	26.513	24.9307	38.3052	15.936	13.506	22.2145	30.142	40.5291	18.5972	39.9868	21.2556	24.4415
GNAS-AS1	0.0200026	0.067463	0.115833	0.18552	0.124284	0.119224	0.13703	0	0	0	0.0225805	0.0429373	0.103245	0.083634	0
GNAT1	0.0257216	0.0185896	0.0478772	0.0198802	0.029966	0.00547541	0.0146841	0.0400037	0.0626521	0.0403541	0	0.0414102	0	0.0134433	0.0646442
GNAT2	0.423865	0.481971	0.350651	0.454278	0.553064	0.288733	0.425881	0.241086	0.908548	1.06399	0.267955	0.800678	1.4002	0.806371	0.681771
GNAT3	0	0	0.0161702	0	0	0	0.0223176	0.0173713	0	0	0.0220656	0	0	0	0.112285
GNAZ	0.644402	0.273759	0.252217	0.214218	0.355186	0.6018	0.656644	0.246319	0.0928269	0.0869668	0.148619	0.069411	0.232471	0.0651857	0.129363
GNB1	33.5989	28.2156	30.7973	52.5685	27.1925	61.6902	28.8237	25.2555	36.2593	53.8182	60.9576	26.7204	82.0096	39.3917	42.9338
GNB1L	0.944614	1.29198	1.48728	1.52298	3.62095	1.60865	1.37426	0.893656	1.89265	0.956119	1.71992	1.23188	1.94634	1.38554	1.24718
GNB2	42.1276	39.4763	40.5923	89.1063	84.6015	117.265	59.9621	28.7378	107.187	73.7519	111.74	54.3159	110.732	53.0199	39.8277
GNB3	0.32106	0.309383	0.542273	0.0965012	0.893534	0.418104	0.534589	0.463663	0.0162923	0.117531	0.317132	0.0765756	0.129466	0.348879	1.11428
GNB4	5.78201	6.64006	9.03964	6.35568	2.38775	6.93969	6.59444	10.5584	2.59143	5.65755	9.69347	2.22572	5.82358	4.26581	8.852
GNB5	2.21906	1.41948	1.08868	3.69406	4.0939	4.25821	1.7027	1.43186	5.09473	4.54487	4.9483	4.66141	6.39188	4.07387	2.88327
GNE	2.01782	1.31753	1.67987	1.4024	1.16628	2.9132	1.45636	1.71365	1.70413	1.47242	1.91186	0.888261	2.39459	1.72697	2.27294
GNG10	4.38838	1.72139	2.58787	9.44672	1.07106	8.65695	1.76467	3.88082	1.83408	11.74	26.1095	2.81962	9.18227	5.43293	8.0532
GNG11	9.41248	3.91559	5.03725	9.64983	9.75978	12.497	4.68098	5.56231	2.92492	14.8279	41.5436	2.89878	11.2067	10.2952	15.9911
GNG12	16.7077	18.7682	21.6077	23.5034	9.50708	21.1631	17.638	22.9421	28.7738	27.7029	33.2777	17.9717	32.2207	15.9665	16.6069
GNG12-AS1	0.444399	0.672694	0.924177	0.159507	0.111991	0.201708	0.294783	0.304399	0.0501747	0.07785	0.116269	0.193432	0.0799002	0.151468	0.505239

GNG13	0	0	0	0.0242374	0.0365337	0	0	0	0	0	0	0.0168287	0.0606983	0.0122922	0
GNG14	0.109423	0.316331	0.678921	0.056382	0.424931	0.139759	0.562212	0.291739	0	0.137338	0	0.313181	0.0352997	0.142974	0.314292
GNG2	1.96531	1.03874	1.23663	1.43	0.638315	2.83978	1.74755	1.86834	0.290125	2.23495	3.92622	0.426132	1.73678	0.831066	3.69482
GNG3	0.827407	0.609711	0.754146	0.344306	0.474179	0.352263	0.61128	0.627193	0.237103	0.458153	0	0.340944	0.0314023	0.572346	0.654306
GNG4	0.017427	0.00839659	0.0144168	0.125713	0.0473728	0.0296777	0.0049744	0.046463	0.143263	0.694458	0.570515	0.392789	0.202389	0.475898	0.125137
GNG5	11.026	9.47669	10.1666	34.0877	6.33347	28.8011	12.1957	12.7591	17.8696	25.4431	45.4443	16.4773	31.0492	18.8337	13.5667
GNG7	0.714023	0.575129	0.789089	0.320166	1.33772	0.719367	0.833918	0.65394	0.238974	0.143661	0.190743	0.1131	0.130117	0.113948	0.524455
GNG8	0	0	0	0	0.168775	0	0	0	0	0	0	0	0	0	0
GNGT1	0	0.0309741	0.0265911	0	0	0	0	0	0	0	0	0	0	0	0
GNGT2	0.175031	0.121814	0.177111	0.400833	0.429374	0.529909	0.0666151	0.13838	0.0473708	0.17104	0.263452	0.0974087	0.451718	0.152465	0.0837891
GNL1	0.461719	0.469958	0.509674	0.369797	0.664433	0.829502	0.46802	0.327947	0.373237	0.324445	0.302343	0.288511	0.427139	0.349476	0.347213
GNL2	7.97477	5.97751	5.7378	11.0006	3.82115	14.3144	3.59958	4.29345	9.43128	9.99821	10.2055	6.90091	17.2351	9.36162	6.96354
GNL3	11.8367	9.97234	10.347	17.1708	7.39486	20.7476	6.44852	9.33671	11.4509	14.6524	22.4127	10.6603	20.495	15.7707	9.83568
GNL3L	4.22489	3.90444	3.69879	5.48382	5.15913	5.3666	4.57001	4.26156	3.19521	3.14904	3.01417	3.57205	6.45377	5.43465	4.52426
GPLY	0.383234	0.133357	0.387491	1.16286	0.595294	1.17837	0.340327	0.39735	0	0.320665	0.769108	0.137107	0.755517	1.10162	1.52881
GNMT	0.430162	0.248714	0.373658	0.110825	0.10023	0.109885	0.294691	0.286723	0.0227098	0.0539436	0.048407	0.0769472	0.0971385	0.0674446	0.648663
GNPAT	4.9395	5.29246	4.88639	8.13378	3.15225	7.63247	5.44255	3.26933	6.34175	7.20751	9.47547	4.53534	7.41017	5.47457	5.13429
GNPDA1	3.8387	3.58259	3.58406	7.99485	4.9299	12.1479	3.84223	2.88323	4.06158	5.61464	8.48486	3.27296	5.73349	3.25427	3.51608
GNPDA2	2.9014	2.28925	2.20693	2.2174	0.771312	2.87674	2.02321	2.86406	2.53753	2.8717	3.58307	2.25716	2.13581	1.45534	1.94356
GNPNAT1	2.62186	1.72029	1.74006	4.57805	1.15316	3.65725	1.7625	2.4191	2.26748	6.91417	7.20317	3.03956	14.5973	5.27795	4.07839
GNPTAB	8.6324	6.01107	6.48841	6.22716	2.7776	6.50683	4.8577	6.9813	4.78605	5.61333	6.50588	3.55014	6.46602	4.93061	5.68501
GNPTG	9.38839	8.81923	8.28028	14.5469	21.6738	15.5277	9.16955	5.88569	11.7188	9.53117	19.3637	8.65331	9.99331	7.87483	10.0772
GNRH1	1.87297	1.26547	1.2734	0.74322	0.63538	0.47661	0.798865	1.34885	0.249082	0.675509	0.522512	0.731698	0.20835	1.0239	0.680186
GNRH2	0.109423	0.131805	0	0.056382	0.254959	0.139759	0	0.194493	0	0	0	0	0.141199	0.0571895	0.157146
GNRHR	0.111017	0.118441	0.101681	0.155265	0.0492707	0.104658	0.0679047	0.155041	0.333186	0.378202	0.210366	0.303558	0.115116	0.120189	0.347339
GNRHR2	1.11897	0.874769	1.05709	0.724015	0.473179	0.559814	0.871747	1.19105	0.118194	0.294399	0.340117	0.431146	0.232558	0.638971	0.747036

GNS	11.7611	7.79112	8.7626	17.2221	7.68336	35.9688	12.8667	9.33324	8.79427	15.7356	28.352	7.80827	16.9322	10.553	18.6728
GOLGA1	3.07183	3.37581	3.19616	3.40499	3.14426	4.39571	2.60343	2.62467	3.48712	2.33232	2.76668	2.45577	2.6701	2.51227	2.60063
GOLGA2	9.42563	11.2632	11.2042	10.9395	14.7847	16.2135	11.0658	8.07738	18.4067	10.596	6.31676	12.2019	17.848	9.09723	9.01906
GOLGA2P10	2.81371	2.71632	2.45229	2.291	8.24904	0.665101	2.44853	2.07213	1.05368	2.15715	0.895518	7.51414	2.84291	1.90558	0.851118
GOLGA2P11	0.0237934	0.00382134	0	0	0.197117	0	0	0.00704853	0	0	0	0	0	0	0
GOLGA2P2Y	0.00544799	0.00525977	0.00904637	0.0113268	0.0253878	0.0139167	0	0.00484172	0	0	0	0	0	0.00284736	0
GOLGA2P3Y	0.00544799	0.00525977	0.00904637	0.0113268	0.0253878	0.0139167	0	0.00484172	0	0	0	0	0	0.00284736	0
GOLGA2P5	0.593147	0.70577	0.721105	0.281709	0.632936	0.412829	0.553567	0.490469	0.106788	0.135945	0.0873377	0.276791	0.183028	0.307309	0.118516
GOLGA2P6	0.0481478	0.0309311	0.0464698	0.0413481	0	0.00683287	0.0366491	0.0213949	0	0.0100717	0	0.0344511	0	0.00419403	0
GOLGA2P7	3.98692	7.3974	5.61837	4.58092	14.8584	3.68284	3.22177	4.11924	3.52114	3.16689	2.49804	6.00687	4.37881	4.52782	1.65813
GOLGA2P9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GOLGA3	6.67296	8.47272	9.0316	9.55127	15.8144	12.1985	9.306	6.15787	8.57973	7.92983	5.49709	8.36273	13.5605	9.57349	12.1698
GOLGA4	17.5002	18.2898	17.4029	9.62765	6.57169	12.183	4.31031	8.49893	31.3057	16.5926	13.0851	13.8063	17.9954	13.3903	9.5369
GOLGA5	7.26974	5.35924	5.78174	7.75694	2.78676	10.2083	4.08784	4.89408	10.5922	9.47671	11.5879	4.94496	10.3974	5.76853	6.85563
GOLGA6A	0.0570852	0.0260824	0.0323327	0.0336779	0.0226451	0.0763866	0.0492588	0.0359735	0	0.00460231	0	0	0	0.00409278	3.39E-08
GOLGA6B	0.0660097	0.0719488	0.102177	6.95E-08	0.0226166	4.26E-14	1.43E-10	0.0471652	0	0.0044597	0	0	0	2.71E-18	3.29E-08
GOLGA6C	0.0832231	0.0274109	0.0295351	9.38E-17	3.92E-29	2.18E-21	0.0409283	0.100018	0	1.67E-14	0	0	0	0.0110329	0.0341248
GOLGA6D	0.0361365	0.0121617	0.0236317	0.0243072	1.75E-19	0.0317948	0.0509835	1.13E-09	0	7.45E-05	0.00757484	0	0	6.63E-05	0.0335081
GOLGA6L1	0.00494086	0.0114653	8.95E-06	0.00671781	0.00383743	0.00661973	0.00968217	0.00322984	0.00147538	0.00304093	0	0.0173307	0.00557869	0.00451901	0.00521928
GOLGA6L10	0.0493995	0.157172	0.183376	0.0205771	0.106727	0.0684996	0.202049	0.0731051	0.0519702	0.135602	0.127026	0.624544	0.0157456	0.0373745	1.15E-07
GOLGA6L17P	0.280727	0.360659	0.095846	0.130683	0.448487	0.0231768	0.0718529	0.156529	0.0604126	3.59E-14	5.04E-35	0.297985	0.0774324	0.140168	0.065559
GOLGA6L2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GOLGA6L22	0.00977168	0.0104544	0.0201325	0.00608318	0.0075894	0.00709765	0.0191487	0.00638775	0.0029179	0.00601413	0	4.90E-09	0.0110331	0.00893737	0.0103223
GOLGA6L3	0.474236	0.759159	0.989247	0.152476	1.32412	0.550218	0.167865	0.320926	0.192725	1.60E-09	0.022912	1.27296	0.127435	0.746846	0.0842363
GOLGA6L4	0.740894	0.994379	0.428266	0.49021	0.733386	0.345465	0.553293	0.824294	0.348154	0.435071	0.477581	0.702234	0.19934	0.873024	0.146008
GOLGA6L5P	1.36783	1.00959	1.13525	0.50998	0.384729	0.495383	0.156472	1.11602	0.503932	0.657957	0.0638109	0.852582	0.310764	0.621631	1.66157

GOLGA6L6	2.00E-10	3.89E-08	0.014654	8.52E-13	2.38E-19	2.41E-34	0.00088859	0.00029642	0.00013540	0.00027908	0	2.27E-10	1.96E-11	1.49E-07	0.00047900
							5	4	5	6					8
GOLGA6L9	1.73425	0.99344	0.721855	0.70781	0.362459	0.287984	0.612476	1.203	0.358893	1.01271	0.396378	1.48093	0.494793	1.13445	0.303392
GOLGA7	7.62003	7.9564	7.86726	9.7273	3.15536	11.1008	6.88871	7.43668	18.3883	10.6675	14.1238	7.66506	10.0872	6.42282	6.44408
GOLGA7B	1.32168	3.10241	3.18741	5.47279	4.15057	4.15385	1.73756	1.53624	2.21621	10.7932	3.24139	3.91609	15.4767	6.18948	2.23742
GOLGA8A	17.4745	21.4583	19.2983	8.57293	19.3123	9.07784	7.64021	16.4144	4.93779	3.89874	1.50167	17.8366	1.7039	13.597	9.94432
GOLGA8B	7.93237	7.41332	8.67632	3.4191	10.1442	4.45424	5.99926	6.50873	1.21469	2.12819	0.730363	6.24277	0.603577	3.46488	2.91353
GOLGA8CP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GOLGA8DP	0	0.00316213	0	0	0	0	0	0	0	0	0	0	0	0	0
GOLGA8EP	0	0.0091266	0	0	0	0	0	0	0	0	0	0	0	0	0
GOLGA8F	0	0.00125122	0	0	0	0	0.00248479	0	0	0	0	0	0	0	2.90E-24
GOLGA8G	0	1.12E-05	0	0	0	0	2.22E-05	0	0	0	0	0	0	0	2.59E-26
GOLGA8H	0.445551	0.477325	0.340383	0.163303	0.0816293	0.166961	0.404467	0.367481	0.0189387	0.0237953	0.10309	0.0831834	0.0666649	0.127647	0.245988
GOLGA8IP	0.466246	0.447655	0.505716	0.208454	0.395022	0.30718	0.564159	0.331984	0.121604	0.11246	0.123818	0.0601469	0.0219893	0.120714	0.312714
GOLGA8J	1.41E-05	0.0314984	0.00070769 1	2.25E-10	0.0116085	0.0145818	3.85E-12	0.0140673	0.0214453	0.0361255	9.77E-12	0.00857589	1.90E-11	0.0234058	1.58E-14
GOLGA8K	0.184915	0.198194	0.213054	0.0254325	4.13E-10	0.2548	0.224465	0.191532	0.00153568	0.0770768	0.0730669	0.0365552	0.00756621	0.00118435	0.297516
GOLGA8M	0.34772	0.17143	0.106942	0.0491235	0.0729972	0.13447	0.266796	0.188666	5.95E-17	2.39E-05	0.0248253	0.0153223	2.46E-14	0.0348024	0.0982681
GOLGA8N	1.85964	1.33314	1.23334	0.756445	0.911726	0.705093	1.11343	1.39994	0.208739	0.160869	0.310485	0.376049	0.251521	0.438954	1.17279
GOLGA8O	0.951818	0.899941	0.859878	0.222486	0.485106	0.568999	0.273173	0.778986	0.198646	0.300579	0.383805	0.533102	0.20604	0.521064	0.650379
GOLGA8Q	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GOLGA8R	1.23226	1.0763	1.01141	0.211469	0.252318	0.430595	0.982348	0.701395	0.0467575	0.268974	0.314086	0.355533	0.0701133	0.0826558	0.525502
GOLGA8S	0.0304762	0.0330074	0.0153835	0.0228335	0.0217159	0.0262784	0.0135414	0.0292372	0.00629726	0	4.79E-35	0.00442873	0.00804261	4.16E-30	0.0290259
GOLGA8T	0.00822381	0.108779	0.0671757	0.0407366	0.27413	0.0799536	0.0858416	8.02E-09	0.0591577	1.17E-18	1.64E-27	0.0836432	0.0332257	0.118743	6.59E-10
GOLGB1	13.6099	11.0492	10.5788	8.03382	4.65932	10.4964	4.35897	6.3473	9.54975	9.27625	7.2874	7.40384	10.824	7.19915	9.65755
GOLIM4	5.73361	3.28049	3.54416	4.6685	4.45314	8.15206	2.31447	3.10866	1.88252	4.47755	5.49438	2.43398	6.2461	6.42935	8.11905

GOLM1	4.51796	2.35453	2.79879	3.31102	3.47043	9.89824	2.24316	3.14534	1.07974	4.55778	5.6847	1.20783	5.65609	2.94698	8.60703
GOLPH3	11.805	10.0631	11.0895	15.053	10.9083	16.2744	9.87443	10.6758	17.7055	13.1775	19.9847	8.84286	21.4658	12.3939	15.2023
GOLPH3L	2.32817	4.01931	4.75771	5.98684	2.09732	5.72972	2.25825	2.69824	1.90215	3.20606	3.92173	2.73641	1.41737	2.33062	2.13819
GOLT1A	0.0786287	0.0631409	0.173459	0	0.0407125	0.0446342	0	0.0465858	0	0	0	0	0	0	0
GOLT1B	2.4685	1.5063	1.92509	3.19258	0.505398	2.58973	1.21137	3.55785	1.7573	3.92382	5.91659	1.52841	5.24346	2.66162	3.53492
GON4L	4.8882	4.89676	5.03262	4.76495	6.05795	6.24221	4.61939	4.14087	2.91824	3.00008	2.84209	3.57608	3.53797	4.1603	4.95508
GON7	0.74782	0.976632	0.846573	2.59587	0.641949	2.46325	0.786428	1.01439	1.36614	2.24768	4.35427	0.915277	1.98075	1.4708	0.734817
GOPC	3.90057	3.87978	4.13313	4.05915	2.08998	5.00267	2.60246	4.12787	3.55576	4.58861	5.92296	2.55194	3.69505	4.10989	4.19981
GORAB	1.29311	0.751142	0.719833	1.02124	0.732124	1.16281	0.310465	0.730338	0.419473	0.84183	1.1187	0.479922	0.807017	0.944276	1.11077
GORASP1	4.91228	4.40099	4.55033	6.14786	6.72929	6.66195	4.35229	3.32824	4.03874	4.5772	5.5395	3.76079	6.89289	4.84829	5.22009
GORASP2	9.12978	8.30933	8.96012	14.3681	4.99876	16.9118	9.55806	9.10278	17.3083	12.5618	17.9956	10.6355	20.6578	10.7472	10.1695
GOSR1	11.4415	11.3748	11.9187	9.49079	12.9557	10.8018	10.3288	8.80597	6.61088	7.17133	6.08718	7.88595	7.22438	10.1406	7.79373
GOSR2	4.22742	4.25688	4.32447	4.01711	3.70652	5.5753	4.5977	3.79957	3.34729	4.06581	4.48496	3.23694	5.31018	4.61132	5.04783
GOT1	4.35224	2.68937	2.54734	7.92744	5.84786	7.81014	3.77663	2.93961	9.07718	6.59598	5.41674	4.77243	9.20337	5.53883	2.50015
GOT1L1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GOT2	10.5751	8.51034	9.16068	22.7644	11.3601	22.2909	11.7417	7.42671	14.5164	15.1251	17.6154	12.988	31.216	17.9418	9.7738
GP1BA	1.91712	2.49266	2.54971	0.557719	1.32512	1.21844	2.52405	2.42116	0.357487	0.472027	0.28994	0.498819	0.13612	0.690354	0.803574
GP1BB	0.0361946	0.0342139	0.00395907	0.00315148	0.283414	0.010139	0.00410575	1.31E-05	0.117494	0.00796535	0.562476	0.00254699	0.00081848 7	0.00332918	1.82E-05
GP2	0.0067023	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GP5	0.0463789	0.0414998	0.0657735	0.0136556	0.0514589	0.0846236	0.0378242	0.0117765	0	0.0249472	0.0299177	0.00948152	0.0213739	0.00692561	0.0285454
GP6	0.255329	0.442878	0.371759	0.231549	0.491802	0.347855	0.186577	0.235992	0.223893	0.384557	0.103765	0.153464	0.0527159	0.117433	0.117339
GP9	0.0776612	0	0	0	0	0.0220425	0	0	0	0	0.116893	0	0	0	0
GPA33	0.016519	0.0238772	0.0204985	0.0425581	0	0.0140657	0.0282912	0	0	0	0	0	0.00532897	0	0
GPAA1	10.4351	9.27874	10.9019	16.7997	25.027	23.9103	11.7099	6.88572	15.4905	11.9869	28.0089	12.0411	17.0628	11.9493	11.0466
GPALPP1	2.38043	2.52999	2.56132	2.39698	1.14796	2.87476	1.8297	2.59947	1.62956	2.04061	3.41609	1.17447	1.58101	1.88244	1.9886

GPCPD1	6.38034	6.32396	5.28178	6.96833	3.00948	4.80106	3.38347	5.76828	5.42131	6.85335	8.73885	7.27416	4.60618	4.76821	6.30754
GPD1	2.2595	0.126589	0.167671	0.046415	0.139925	1.44455	0.839945	0.313551	0.0182845	0.0282649	0.101689	0.0537122	0.00484326	0.0156932	0.0107805
GPD1L	5.04794	3.87336	2.85157	2.13719	2.42493	2.50813	2.45245	3.53933	1.56818	1.11554	1.24775	0.986556	1.24248	1.09879	1.45644
GPD2	3.52314	3.17402	3.99085	4.79313	1.36087	6.06716	2.5544	4.29399	1.60276	2.87402	3.38299	1.25643	5.28378	2.76889	2.94293
GPER1	0.697035	0.74314	0.76067	0.336233	1.29007	0.978671	1.29538	0.553566	0.0903096	0.446732	0.636189	0.504053	0.468861	0.437936	1.07558
GPHA2	0.0309813	0.0447818	0.17941	0.0319272	0.0962494	0.0527604	0.070747	0.110134	0	0.0388847	0	0.0443359	0.019989	0.0647688	0
GPHB5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPHN	2.93726	2.78116	2.75033	2.6056	1.94704	2.78046	2.75788	2.72036	1.70345	1.26937	1.89474	1.42422	1.60703	1.6195	1.54516
GPI	20.1292	14.9866	16.6374	33.0665	17.7511	44.419	22.5921	16.6897	14.9875	23.4135	23.9114	18.2895	43.31	23.9232	18.9741
GPIHBP1	1.80599	0.601286	0.595938	0.386863	3.94006	0.768888	0.915166	0.937761	0.172994	0.241951	0.251979	0.101636	0.0720077	0.127266	1.16568
GPKOW	3.69812	3.60832	4.17781	5.61408	8.46226	9.29997	4.37373	2.48555	6.21504	4.39197	5.17724	3.28154	6.95277	3.3391	4.41628
GPLD1	0.809093	1.85174	2.21872	0.301937	1.32942	0.423962	1.95452	1.91469	2.3443	0.397091	0.48723	0.25642	0.0128646	0.135719	0.0683875
GPM6A	0.0733702	0.0782769	0.108387	0.00540072	0.00814066	0.0178496	0.0718043	0.0326027	0	0	0.00591613	0	0	0	0
GPM6B	1.23273	0.931846	1.06304	1.24792	0.466872	1.62826	0.974799	1.49815	0.641909	2.85384	5.97456	0.688809	1.2394	2.21967	3.328
GPN1	5.24216	4.21902	4.25888	7.29177	2.39174	7.78636	3.93207	3.39485	4.00811	7.1843	9.79217	3.74249	9.11521	6.13684	4.50691
GPN2	3.43314	4.29781	3.7784	4.92786	9.11823	5.23318	3.91985	2.81953	4.77849	4.52055	6.47085	3.66282	6.38803	5.26277	4.4682
GPN3	1.94688	1.09467	1.45652	2.677	0.774415	2.37953	0.853837	1.43736	1.24739	2.23975	4.13643	1.07956	2.02364	1.66268	1.42413
GPNMB	49.9646	75.2381	94.0903	39.1638	57.3419	67.9219	72.117	77.5559	43.5134	67.4023	105.196	62.1791	40.0087	45.4508	57.606
GPR1	2.21118	1.90757	1.0773	2.60293	1.54766	1.35442	2.18537	0.95537	16.0196	3.1153	5.33759	3.70212	1.82136	1.00949	0.67778
GPR1-AS	0.0312069	0.0270647	0.00516331	0.0257277	0.0387801	0.00531446	0.035631	0.0221873	0.0076013	0.00783358	0	0.0178635	0	0.00652404	0
GPR101	0.0303118	0.0584187	0.012538	0	0.0235423	0	0.034609	0	0	0	0	0	0	0	0
GPR107	6.8256	7.06271	7.63664	8.71257	6.31838	12.1933	8.14168	6.51973	8.74852	8.39956	6.64643	6.15241	11.8726	6.39223	7.0927
GPR108	7.34304	5.65705	6.2349	8.82515	9.29955	13.7998	6.62535	4.19271	9.56816	7.84232	12.2371	6.53648	9.56917	5.76671	4.85537
GPR119	0	0	0	0	0	0	0	0.0172402	0	0	0	0	0	0.0101388	0
GPR12	1.26027	0.273707	0.418612	0.0295168	0.103814	0.438995	0.877529	0.470917	0	0	0.0107779	0.0136629	0.0246399	0.0149698	0.0137114
GPR132	0.609972	1.17845	1.18732	0.59778	1.75566	0.916558	0.600856	1.21174	0.356872	0.720544	0.661579	1.14676	0.532451	1.17518	0.712821

GPR135	0.839253	0.465633	0.578575	0.327604	1.24439	0.89868	0.740452	0.406832	0.0464598	0.255357	0.416287	0.291156	0.123064	1.16304	0.693946
GPR137	1.59667	2.38694	2.29519	2.68274	7.80448	7.31496	2.9426	1.68119	3.63573	2.14563	5.01548	2.24767	2.82736	2.16501	3.14044
GPR137B	4.90741	5.11118	5.04423	7.19459	5.95045	8.63706	6.28896	5.56998	15.8182	5.30583	12.679	6.23616	5.86449	5.22443	6.23385
GPR137C	0.0786605	0.0433141	0.0325368	0.040531	0.0523658	0.0382734	0.0513212	0.0299601	0.0478998	0.126935	0.177596	0.0361824	0.072502	0.120398	0.0806903
GPR139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPR141	0.211567	0.223693	0.320875	0.393657	0.209962	0.120098	0.14762	0.32904	0.0715735	0.118017	0.152587	0.0714858	0.257837	0.16279	0.413555
GPR142	0.0311272	0.0224963	0.0386259	0	0.0967025	0.238539	0	0.0968213	0	0.0195339	0.0351387	0.0556808	0.0803324	0.0244026	0.201161
GPR143	0.423016	0.710067	0.609588	0.7453	0.826661	1.13867	1.21525	0.485085	0.415472	0.171267	0.600766	0.156221	0.114453	0.149768	0.0979845
GPR146	1.586	1.13115	1.22573	1.27958	2.38257	4.6644	1.62023	1.21477	0.292277	0.772663	1.53126	0.597276	1.54165	0.818005	1.73824
GPR148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPR149	0.00916375	0.0419447	0.0795995	0	0	0.00390141	0.0680087	0.0773678	0.0111604	0	0	0	0	0.00239469	0
GPR15	0.674069	0.260623	0.447487	0.454523	0.219754	0.0141719	0.114019	0.391975	0.0608104	0.0104448	0.0751546	0.095272	0.311414	0.0173974	0
GPR150	0.24656	0.0269992	0.0741717	0.0461977	0.156679	0.620286	0.115165	0.119521	0.0682461	0.0703315	0.189774	0.0481147	0	0.0527168	0.0482852
GPR151	0.036735	0.106197	0.167144	0.0567847	0.0855932	0.0312794	0.167771	0.065294	0.0894782	0.0230531	0.0829385	0.0131424	0	0.105596	0.0263781
GPR152	0.0346999	0.0234094	0.0267958	0	0.0251569	0.0413702	0.0784725	0.0863581	0	0	0	0	0	0.0169287	0.0930339
GPR153	2.64767	3.49107	3.90228	8.06282	10.8587	8.33716	4.27885	2.12629	6.79438	9.09406	7.10422	9.89836	21.9112	11.7518	5.91122
GPR155	2.7075	3.50562	3.51717	3.09457	0.832616	2.83699	2.20808	2.96104	1.40576	2.03737	2.03875	1.83922	1.71345	1.73087	1.28589
GPR156	0.154545	0.0638245	0.0502269	0.0625675	0.0342944	0.216188	0.214266	0.0882941	0.0201662	0.0277099	0.118385	0.0315945	0.0356112	0.0519247	0.261579
GPR157	5.29902	7.41767	6.42613	5.70901	18.5826	6.76806	6.60027	4.95906	19.5808	8.96852	12.553	10.0965	12.0179	4.8676	1.78721
GPR158	0.0208433	0.0639382	0.0229908	0.0143198	0.0377731	0.0118319	0.031731	0.0216111	0.0803853	0.00872018	0.0156864	0.0323136	0.0179307	0.00181561	0
GPR158-AS1	0	0.00824924	0	0	6.51E-23	0	5.53E-11	0	3.46E-29	0	0	1.13E-12	0	0	0
GPR160	0.655317	0.315742	0.504081	0.568694	0.196443	1.06704	0.1969	0.766305	0.336043	0.86578	1.49252	0.394861	0.571161	0.306445	0.0495326
GPR161	0.821903	0.849633	0.81466	0.944019	1.98026	1.87418	0.88903	0.497512	0.892519	1.38607	1.76086	0.686413	1.44474	1.81401	2.36802
GPR162	0.229959	0.2083	0.273943	0.236979	1.01446	0.305459	0.273062	0.163495	0.0224051	0.288622	0.623028	0.11847	0.462909	0.552858	1.09643
GPR17	1.55264	0.668024	0.869417	0.302823	1.36803	1.60917	2.66693	1.38561	0.0325344	0.156467	0.0804175	0.356803	0.0919232	0.651587	2.72659
GPR171	0.193396	0.105605	0.0533303	0.411887	0	0.186631	0.0736044	0.320832	0.0471069	0.0647285	0.203765	0.0369013	0.166371	0.107816	0.259225

GPR45	0.053665	0.0258566	0.0221978	0.0276517	0.125041	0	0.0153183	0	0	0.0168388	0	0.00959969	0.0346244	0.0140238	0
GPR50	0	0.00552014	0	0	0	0	0	0.020364	0	0.0143797	0	0.0573843	0.0295679	0.00598791	0.18099
GPR50-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPR52	0.974775	1.30293	1.2096	0.82631	0.634971	0.401617	1.00526	1.36931	0.26807	0.730119	0.319471	0.753726	0.172446	1.07644	1.06121
GPR55	0.205555	0.151472	0.235068	0.155757	0.197213	0.0411829	0.075931	0.145069	0.00736302	0.00758801	0.0818985	0.0475847	0.105318	0.0347574	0.00868243
GPR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00621241	0
GPR61	0.0655843	0.0473993	0.020346	0.0337932	0.0254688	0.0279221	0.0655218	0.080143	0.00998428	0	0	0.0293296	0	0.012854	0
GPR62	0.0633767	0.152679	0.148551	0.0653115	0.147669	0.0629585	0.180904	0.0844859	0.0128643	0.0397721	0.0476963	0.0377898	0.0681505	0.0607263	0.0606779
GPR63	0.140653	0.106232	0.119502	0.0470097	0.0531443	0.0841584	0.160593	0.0777029	0.0231485	0.0667964	0.0557873	0.0326402	0.0392425	0.0615904	0.0818898
GPR65	0.245818	0.104834	0.139718	0.41687	0.151598	0.248395	0.151929	0.206682	0.018699	0.603806	1.20171	0.0805636	0.478794	0.183707	0.492445
GPR68	2.49828	2.62124	2.87804	15.9931	5.07047	9.56355	1.75724	2.20754	1.76978	7.30443	4.12934	5.44466	14.5758	6.86163	5.33549
GPR75	1.77437	1.16023	1.06912	0.444983	0.915771	0.728083	1.32865	1.28607	0.551465	0.322893	0.435629	0.745395	0.587653	1.26198	0.881997
GPR75-ASB3	1.57778	1.70531	0.833013	1.13064	0.785309	1.16548	0.748343	0.597073	1.72911	0.416167	1.24387	0.513113	0.904969	1.40663	2.1227
GPR78	0.00514519	0	0	0.0424181	0.0479535	0.0131432	0.00587461	0.00914523	0.00626626	1.11719	0.0464662	0.353426	0.248974	0.916982	0.236452
GPR82	0.552835	0.59932	0.617414	0.40592	0.193217	0.305976	0.418176	0.749253	0.0757452	0.520398	0.210628	0.736746	0.084713	0.465909	0.496213
GPR83	0.0647962	0.0313379	0.0179292	0	0.00838758	0.00919552	0.0123304	0.0483496	0	0.0203315	0	0.00390298	0.0104515	0.0114304	0.0155093
GPR84	0.0613467	0.192126	0.139563	1.80176	0.238232	2.06332	0.0175109	0.14993	0.11207	0.904708	1.07342	0.0987642	1.24679	0.296578	0.682788
GPR85	0.0435511	0.0272787	0.0216171	0.0807852	0.0405899	0.233624	0.0298351	0.0580569	0.0159121	0.213178	0.314648	0.00623239	0.202312	0.0682851	0.118835
GPR87	6.88654	7.12058	7.04567	14.1308	4.5676	7.6411	4.57506	6.06603	26.9424	12.6781	16.5973	10.3456	14.2732	9.18913	2.40685
GPR88	0.0267164	0.00965426	0	0	0	0.102369	0.00762597	0.0118716	0	0.00838295	0.052779	0	0.00430932	0.00698157	0.0479601
GPR89A	4.58662	2.96156	2.723	3.44545	0.950126	4.35973	2.86602	3.78313	3.381	3.12476	3.53192	2.2687	3.61208	3.16864	2.38664
GPR89B	2.69209	2.57326	2.55327	2.10411	1.00149	1.46964	2.00743	2.38305	1.98804	2.22971	2.62514	1.81928	1.31079	1.4943	0.805827
GPRASP1	1.82698	1.60302	2.13506	0.467717	1.42793	1.67683	1.21646	0.940019	0.14053	0.255856	0.312622	0.302732	0.198528	0.574926	1.08818
GPRASP2	0.907492	0.994229	1.1524	0.160723	0.923533	0.535823	0.898183	0.663627	0.567809	0.170184	0.35437	0.349068	0.0626391	0.139255	0.657436
GPRC5A	1.89883	0.789774	0.899546	6.82372	1.36133	1.61683	1.81595	0.865398	1.28476	35.8096	15.7468	12.3151	79.8944	8.25315	6.91064
GPRC5B	3.4587	1.90547	1.68144	1.90995	3.99199	6.45913	3.83103	2.04513	0.436336	1.06364	2.03001	0.586655	1.61364	1.68525	3.9282

GPRC5C	5.58132	4.25593	5.20723	2.19487	4.51949	6.37978	4.79842	2.37448	0.509519	1.53946	2.43653	0.97969	1.60115	1.60015	2.47156
GPRC5D	0.802649	0.633805	0.313559	0.896083	0.796561	0.417661	0.585503	0.673698	0.0271538	0.895473	0.176184	0.366925	0.445939	0.501069	0.192118
GPRC5D-AS1	1.22564	0.710185	0.457267	0.437531	0.64706	0.354694	0.411589	0.882791	0.351223	0.402172	0.180863	0.533067	0.263593	0.460544	0.31062
GPRC6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPRIN1	0.599475	0.498177	0.141044	3.5423	2.21265	2.56628	0.200943	0.464335	3.34236	4.85266	1.98053	3.52597	6.96201	3.60165	1.80873
GPRIN2	3.46575	5.49451	4.75447	1.18937	7.03557	1.49123	7.68433	4.51426	4.12283	1.10326	0.980942	1.46438	0.950283	0.606707	0.163821
GPRIN3	0.998299	0.452908	0.542538	0.818515	0.645183	1.35572	0.503354	0.968155	0.106495	0.996887	1.89608	0.161632	1.14715	0.75026	2.8883
GPS1	5.97141	6.09138	5.90976	9.54621	11.5389	13.2392	7.66854	4.60997	9.2192	7.6885	11.0929	7.27724	9.88713	7.54835	6.00579
GPS2	9.82129	9.79178	9.91201	12.9245	10.5331	19.8082	11.5105	8.78168	21.3646	15.8666	20.2321	12.6951	20.4425	13.7996	8.61789
GPSM1	1.60307	1.83557	2.48057	9.43425	5.46776	4.27586	3.20858	1.28735	7.339	6.06029	5.26544	9.11423	7.04684	7.16451	4.14673
GPSM2	8.92021	9.31988	8.35118	11.3883	3.44821	10.5659	4.6295	6.96525	5.9217	7.47463	7.85118	6.12799	8.43052	6.44561	3.19189
GPSM3	0.226276	0.175649	0.225818	0.766175	0.596966	1.00158	0.241952	0.276108	0.048117	0.545461	1.40693	0.0809534	0.486643	0.233708	0.642187
GPT	0.50311	2.18165	3.02512	0.379368	1.79174	0.825437	1.7233	1.58129	0.627676	0.107809	0.069262	0.456571	0.0395858	0.179574	0.405321
GPT2	3.21565	7.49063	6.28415	16.4201	12.9171	16.7939	4.68292	4.0076	12.3569	7.89681	5.85412	6.46474	7.87291	4.92695	2.151
GPX1	24.1304	13.3262	18.0208	66.2282	35.8739	83.3046	17.8502	15.3609	8.2389	34.2262	95.1155	11.3948	35.7323	25.6127	23.0331
GPX2	2.60051	2.84697	3.06788	18.823	3.37023	8.11035	2.98676	2.66668	6.20308	4.32613	5.21123	5.0427	6.14543	3.20886	1.30382
GPX3	24.087	8.68576	7.03976	80.653	24.6927	66.3966	17.5675	14.0027	127.535	158.528	189.655	76.905	140.775	72.8737	20.6126
GPX4	32.4294	23.7873	26.4324	29.2719	35.4877	69.761	32.8653	21.3301	36.462	27.8051	71.5803	19.6522	17.4435	16.6307	21.6286
GPX5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPX6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPX7	1.93957	1.13412	1.33972	3.47362	0.906773	3.46338	0.946017	1.57311	1.03202	3.54519	12.1806	1.18571	1.78598	3.23795	11.3041
GPX8	1.44797	1.06856	1.05634	2.97805	0.892086	4.53633	0.92777	1.17824	0.401802	5.65907	12.6144	0.660105	2.50702	2.57365	8.26526
GRAMD1A	2.63479	2.049	2.19881	8.20916	6.77337	14.9831	3.65046	1.95132	0.844443	4.38025	9.87978	1.66477	6.3574	4.69893	13.6419
GRAMD1B	0.28667	0.151403	0.14366	0.244291	0.779269	0.690037	0.254924	0.23762	0.0604265	0.913337	0.619223	0.777088	0.810968	0.473968	0.930271
GRAMD1C	2.05265	2.58933	1.95934	2.39426	1.54168	1.04196	1.46156	2.30033	8.88699	2.10916	3.17022	2.84465	0.480262	0.601242	0.315843
GRAMD2A	0.604588	0.914545	0.942157	1.39823	1.33226	1.98736	0.706352	0.631024	0.291103	0.458821	0.484102	0.749502	0.430899	0.389469	0.141345

GRAMD2B	3.72164	3.49888	4.02058	2.37852	2.3707	3.71217	5.56333	4.2525	14.527	5.09497	8.48734	3.91611	5.35127	2.84409	3.18889
GRAMD4	4.6183	8.13577	8.64322	12.6737	13.3388	11.2443	7.20333	5.23123	5.40486	4.12091	3.65991	5.95625	6.24873	6.27677	3.61973
GRAP	0.907398	0.695849	0.616887	1.34453	3.01386	2.17375	0.706666	0.36917	1.33856	1.85263	2.89616	1.06752	2.42313	1.75623	1.85546
GRAP2	0.433968	0.357658	0.581027	0.258915	0.549925	0.218794	0.358579	0.482093	0.125177	0.129002	0.264286	0.126658	0.316835	0.289482	0.467424
GRAPL	0.409334	0.216568	0.201527	0.281441	0.440112	0.297246	0.506716	0.267065	0.0554803	0.223406	0.180027	0.153834	0.139517	0.120224	0.632703
GRASP	2.81415	1.50389	1.83843	2.61754	4.73206	6.68903	2.37708	1.00774	0.951508	2.68483	4.40175	1.22842	2.9599	3.15712	4.87552
GRASP-AS1	1.05116	0.920936	0.848473	0.400627	1.71025	0.750805	1.59719	0.886451	0.0690518	0.140887	0.0718687	0.800403	0.145538	0.959046	1.33354
GRB10	3.02142	1.57648	1.39207	3.06744	3.24698	7.32331	1.9042	1.80453	0.783314	3.41674	3.95958	1.89969	3.77092	4.96798	4.67748
GRB14	0.374261	0.191365	0.28434	0.0393558	0.059322	0.14308	0.22674	0.278308	0.0558131	0.0862779	0.0776009	0.0163955	0	0.0678629	0.0219382
GRB2	9.35806	8.08286	8.95848	18.7246	15.4723	23.2069	8.58942	7.47004	14.9035	16.2201	20.599	9.54296	23.5378	10.8619	12.4334
GRB7	2.05033	3.96387	3.44182	6.34757	8.85128	7.35429	3.71633	2.95342	15.1697	7.21614	5.22704	6.32056	5.32452	2.33517	0.895626
GREB1	0.661239	0.421955	0.450372	0.396717	0.628746	0.923423	0.630832	0.45327	0.0984699	0.201434	0.382907	0.307085	0.358586	0.43065	0.918764
GREB1L	0.575229	0.304631	0.356903	0.145642	0.046217	0.160452	0.418979	0.478163	0.0724722	0.0684628	0.0783713	0.0922533	0.0143975	0.171054	0.138871
GREM1	0.206934	0.0916199	0.0694015	5.11224	1.63326	22.2773	0.376756	0.382723	0.401873	17.0571	34.8274	1.07649	16.8117	10.4208	11.4857
GREM2	0.149381	0.117291	0.22885	0.0114031	0.0601588	0.376878	0.454824	0.0885052	0.0336907	0.0277761	0.0249827	0.0118763	0.0214178	0	0.0397279
GRHL1	10.2394	18.5711	20.2077	22.3015	13.5021	12.9551	14.9088	17.2414	49.7334	31.4238	21.9006	28.1121	38.0688	24.369	5.55015
GRHL2	6.29548	11.7633	11.3318	9.5218	9.86732	9.35366	8.88619	6.5512	12.0418	4.95276	4.8646	6.39526	6.50055	5.41905	1.36338
GRHL3	6.25583	9.76905	7.37959	13.1794	16.1783	13.5963	9.29709	7.66329	28.4821	16.6881	17.9107	21.892	17.7984	13.7073	3.92387
GRHPR	16.7904	15.1144	16.0916	23.2123	22.8503	27.9235	16.7958	10.875	15.93	17.875	35.3701	14.1862	23.0082	15.592	12.2719
GRIA1	0.0794673	0.0591732	0.0537881	0.026057	0.0224437	0.190693	0.0412424	0.0770443	0	0.00906724	0	0.00258459	0.0186443	0.0151029	0.0259375
GRIA2	0.43376	0.214692	0.316428	0.00406365	0.24501	0.0637952	0.23412	0.459083	0	0	0	0	0	0	0
GRIA3	0.242505	0.257054	0.304269	0.374863	0.401807	0.485251	0.27227	0.29095	0.118137	0.862378	1.56042	0.323901	0.344218	1.28645	1.61364
GRIA4	0.103141	0.0716192	0.0777969	0.0343879	0.0801069	0.00774912	0.107372	0.148279	0.0258618	0	0	0.0021706	0	0.00475642	0.0609921
GRID1	0.344238	0.221145	0.343697	0.265041	0.903492	0.926509	0.650548	0.158239	0.120472	0.43702	0.513668	0.12174	0.508023	0.467362	1.68767
GRID1-AS1	0.03303	0.00530479	0	0.0113461	0.0342047	0.0374995	0.0502835	0.0195696	0	0.0138187	0.0124289	0.00787796	0	0.0345259	0.189741
GRID2	0.0260083	0.00417707	0.00717197	0.00446705	0.0134666	0.0184548	0.0296954	0.0154093	0.0052792	0	0	0	0	0.00226551	0.0186756

GRID2IP	0.129905	0.233509	0.289333	0.0720842	0.465663	0.0808321	0.15973	0.177613	0.182549	0.0313546	0.067683	0.0893754	0.0548014	0.0757279	0.0358769
GRIFIN	0.363232	0.450027	0.386345	0.0534744	0.24181	0.0883677	0.533219	0.461157	0	0	0	0.111387	0	0	0
GRIK1	0.193093	0.214826	0.264297	0.347324	0.17451	0.0657664	0.252535	0.35881	0.0470331	0.198287	0.13475	0.178356	0.033977	0.172479	0.347893
GRIK1-AS1	0.0423478	0.0102019	0.0175165	0	0.0328903	0	0.0241757	0	0	0	0	0.0151505	0.0409838	0.0221328	0.152042
GRIK1-AS2	0.194117	0.207841	0.249802	0.133362	0.10051	0.0734613	0.147758	0.172515	0.0525361	0.135354	0.170437	0.185194	0.0974114	0.326907	0.0929255
GRIK2	0.21647	0.197008	0.194997	0.0545303	0.112084	0.307202	0.269128	0.205206	0.0820201	0.0120752	0.0380128	0.05163	0.018622	0.0578254	0.0414504
GRIK3	0.0527177	0.0241906	0.008307	0.0646751	0.0233968	0.0790891	0.192039	0.020079	0.00611468	0.0189046	0.00283389	0.0143699	0.105279	0.0288646	0.205496
GRIK4	0.0146893	0.0389265	0.0273421	0.0151378	0.057044	0.0656658	0.0922449	0.0228457	0.00894498	0.00921831	0.0290193	0.0341595	0	0.00959661	0.163492
GRIK5	0.215234	0.124444	0.1558	0.088722	0.259108	0.430682	0.239604	0.124333	0.0131065	0.0270141	0.0364459	0.0308012	0.0104151	0.0281227	0.0309103
GRIN1	0.104131	0.112886	0.202439	0.0482894	0.841105	0.0930992	0.208063	0.198967	0.380458	0.0653474	0.129306	0.115488	0.0503885	0.0435386	0.0672952
GRIN2A	0.380292	0.737452	0.363802	0.0935405	0.561554	0.138587	0.459222	0.139083	0.34117	0.0157138	0.0106001	0.0447916	0.0201945	0.0171766	0.197782
GRIN2B	0.0327913	0.0161668	0.018926	0.00707283	0.00355369	0.0240254	0.0278624	0.0210095	0.00278624	0.0191426	0.0025826	0.00654783	0.00393615	0.0235152	0.043807
GRIN2C	0.141432	0.156732	0.273007	0.0340084	0.512618	0.0561996	0.328349	0.234628	0.0516746	0.0532537	0.010644	0.0539726	0.0577926	0.0418873	0.541639
GRIN2D	0.136323	0.140122	0.1842	0.131119	0.367044	0.472046	0.399499	0.0969218	0.132821	0.285165	0.379599	0.1138	0.214023	0.21612	0.495967
GRIN3A	0.428851	0.266893	0.238981	0.150383	0.171164	0.248512	0.282228	0.365247	0.1342	0.138301	0.161373	0.125725	0.0826234	0.147868	0.23951
GRIN3B	0.176341	0.197116	0.215905	0.167187	0.547838	0.402409	0.273824	0.369854	0.0944962	0.602008	0.581277	0.65612	0.27761	1.42669	0.192469
GRINA	14.4292	16.3062	18.4648	30.4549	17.6641	64.7947	27.7528	16.0422	11.5577	14.42	33.5727	9.31463	23.6951	12.3908	20.0124
GRIP1	1.78375	3.1204	2.79238	1.59312	1.45644	1.44875	1.61364	1.45518	2.23925	1.21124	0.836434	1.21087	0.867575	1.16892	0.407244
GRIP2	0.162157	0.396798	0.471223	0.0897866	0.437723	0.19416	0.497059	0.340821	0.117445	0.328796	0.142544	0.151072	0.208504	0.228013	0.689818
GRIPAP1	3.91182	5.07751	4.77535	5.375	8.31509	7.75254	3.76988	3.19188	5.71142	3.59856	2.32419	3.95027	4.57055	3.85783	3.54813
GRK1	0	0	0.00912563	0	0	0	0	0	0	0	0	0	0	0	0.0475258
GRK2	10.2939	12.898	14.6922	18.8438	24.8998	29.61	13.0297	10.1005	19.8547	15.3169	14.5201	13.0552	22.3247	13.8553	11.3241
GRK3	1.75978	1.69797	1.39643	1.15729	0.761394	1.48763	1.11431	1.64669	0.620059	1.10623	1.23199	1.14111	1.42968	1.01087	1.77074
GRK4	0.4266	0.355028	0.4251	0.659436	0.632536	0.709978	0.254609	0.327428	0.413279	0.328557	0.295514	0.33993	0.250218	0.329372	0.167087
GRK5	5.01222	2.26239	2.64954	3.74806	4.0615	8.99789	4.20429	1.71263	1.74094	3.5315	3.51338	2.13629	6.36848	5.07371	9.31605
GRK6	3.35353	4.42252	4.74431	7.71173	7.67915	9.19529	5.24864	2.83968	6.0942	4.39816	5.3255	3.71522	7.26414	5.17535	4.0585

GRK6P1	0.0754337	0.109035	0.14977	0.17102	0.210914	0.0770769	0.0602894	0.0670392	0.0918697	0.0568062	0.0510931	0.0593723	0.0778711	0.181355	0.314164
GRK7	0.172314	0.140501	0.109654	0.0136596	0.0205894	0.0677182	0.105938	0.0588992	0	0.0332725	0	0.00948423	0.017104	0.0831311	0.0761428
GRM1	0.0101519	0.00489136	0.0111979	0	0.00525649	0.0172885	0.00772744	0.0090222	0	0	0.0152804	0.00484266	0.00654998	0.00353723	0.00485983
GRM2	0.496156	0.257928	0.243033	0.127826	0.152112	0.544764	0.544133	0.411932	0.103361	0.1311	0.132655	0.102767	0.12215	0.160364	0.131258
GRM3	0.0217051	0.0366025	0.035912	0.00559193	0.0252866	0.023102	0.0371733	0.0337569	0	0.0136211	0	0.0155306	0.010503	0	0
GRM4	0	0.00664205	0.00912345	0.0170476	0.0856544	0.201896	0	0.0171519	0.00671566	0.0346044	0.074698	0.0414283	0.0302407	0.0821358	0.0950289
GRM5	5.40E-13	0.00458607	0	0.0206763	0	0.0171293	0.0262501	0.022968	4.38E-13	0.00626007	0.00833841	0.00528542	0.00476579	0.0255339	0.0288904
GRM5-AS1	0.0144014	0.0131559	0	9.14E-05	0.0149136	1.63E-34	3.17E-37	3.05E-05	0.0116929	0.0196686	0.0185863	0.0255199	0.0137199	1.11E-18	0
GRM6	0.0192122	0.0240675	0.0317874	0.031678	0.0477492	0.00981538	0.00877436	0.0102445	0	0	0	0.0109975	0.00495825	0.0542222	0.0441459
GRM7	0.109191	0.0420879	0.0496818	0.0225049	0.059364	0.0418386	0.0124671	0.019408	0	0	0	0	0	0	0.0313624
GRM7-AS1	0	0.103727	0.0890491	0	0	0	0	0.0478317	0	0	0	0	0	0	0
GRM7-AS2	0.136136	0	0	0	0	0	0	0.0403287	0	0	0	0	0	0	0
GRM7-AS3	0	0	0	0	0	0	0.0331128	0	0	0	0	0	0	0	0
GRM8	0.0294366	0.0028366	0.00974081	0.0303353	0.00914504	0.0300779	0.0201659	0.00523216	0.0215103	0.00738919	0.0132921	0	0.0189923	0.00307697	0.0760944
GRN	38.8085	45.8195	38.6094	98.1228	138.571	145.241	56.2721	36.664	114.569	76.9013	110.616	90.943	102.6	50.8519	52.2913
GRP	0	0.0262061	0	0.0280254	0.211217	0.0694689	0.0310505	0.0483375	0.132482	0	0	0	0.0175462	0.0142134	0.156223
GRPEL1	3.58019	2.64126	2.69502	7.40453	2.92833	6.3997	3.06817	2.75558	9.01256	6.10203	8.25118	4.2715	12.4458	5.80795	2.88547
GRPEL2	2.43061	1.84322	1.48227	3.99556	1.60261	3.22065	1.5167	2.13442	4.94811	8.30389	8.77643	4.34286	17.9067	7.10189	3.54231
GRPEL2-AS1	0.511909	0.123447	0.152121	0.373675	4.40E-08	0.0540048	0.354441	8.77E-43	0.305692	0.54094	3.27E-28	0.100303	0.0422301	0.746767	0.703834
GRPR	0.069058	0.0207957	0.0428472	0.0177916	0.0268177	0.0808527	0.0788482	0.0460297	0.0105131	0.0433374	0.0194895	0.0185298	0.0668338	0.0270695	0
GRSF1	4.28927	4.13163	4.57049	5.80807	2.63578	6.31245	3.20592	4.14105	4.15768	4.89328	6.35474	2.81374	6.37971	5.16961	3.29751
GRTP1	2.4606	3.65747	3.96119	3.15461	4.29888	2.29418	2.59333	2.62943	1.41555	1.19666	1.37014	1.75273	1.4069	1.938	0.664727
GRTP1-AS1	0.322446	0.756143	0.618307	0.189064	1.12563	0.227627	0.577815	0.465214	0	0.117188	0	0.242087	0	0.40625	0.19138
GRWD1	4.08019	4.62644	4.85655	10.1574	10.29	11.6824	5.73452	3.45864	5.27907	3.70182	4.98897	4.67926	12.2932	6.97859	4.73645
GRXCR1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRXCR2	0	0.0149273	0	0	0.0481247	0.0791406	0.0353735	0.0275336	0.0377318	0	0	0	0	0	0

GS1-124K5.11	1.9924	2.87634	2.90014	2.3344	3.44316	2.22045	2.43318	1.94043	1.85744	3.1849	2.65435	2.27675	2.54167	3.20867	2.39925
GS1-124K5.4	0.43339	0.278419	0.167315	0.238198	0.179521	0.393628	0.296899	0.205419	0.387069	0.145053	0.815407	0.103367	0.0745657	0.120805	0.165974
GS1-24F4.2	0.020925	0.191558	0.0173106	0.0431276	0.130015	0.0178174	0	0.0371928	0	0	0.0472434	0.0299448	0	0.0109363	0
GS1-279B7.1	0.0347493	0.0502283	0.0287471	0.0358102	0	0.0295886	0	0.0617646	0	0	0	0	0	0.0181615	0
GS1-594A7.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GS1-600G8.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0295566
GSAP	1.41746	1.7393	2.00551	1.91807	0.555597	1.48895	1.02852	1.50107	0.871222	1.82063	1.73473	0.881529	1.75215	0.948537	1.14149
GSC	0.350357	0.0750256	0.128818	0.0401171	0.241878	0.563502	0.266684	0.155684	0.0237053	0	0.505374	0.0139272	0.113024	0.203458	1.22994
GSC-DT	0	0	0	0	0	0.0973792	0.0118706	0	0	0	0	0	0	0.00543377	0.0597239
GSC2	0	0	0	0	0	0	0.0427573	0	0	0	0	0	0	0.0195721	0
GSDMA	8.42732	14.0208	14.9166	49.9364	26.3804	20.1613	22.834	11.7285	190.956	39.6778	53.6879	42.623	42.4907	14.7841	3.97792
GSDMB	0.89553	1.92934	2.03204	0.659193	1.41094	0.718958	1.0517	1.40983	0.218131	0.337195	0.259956	0.796393	0.115558	1.01632	0.955384
GSDMC	6.24197	14.9182	14.7084	33.5599	15.8155	17.1865	8.37311	10.7006	16.9799	22.7324	15.5368	21.2149	17.6551	20.1221	5.719
GSDMD	2.01159	2.31011	2.31847	4.58878	7.64489	7.49988	1.8062	1.15422	0.868165	3.23561	5.66607	0.978196	5.46243	3.2459	6.31072
GSDME	0.794301	0.526222	0.552563	4.18576	1.54228	5.31849	0.989353	0.737995	1.22021	4.0217	4.7279	1.51774	5.4276	3.71737	2.08699
GSE1	5.64731	7.00336	7.18836	4.84317	9.47325	7.13216	7.73949	6.2088	8.47899	5.47936	4.58522	5.96332	6.05276	4.79606	3.46538
GSEC	0.153877	0.177936	0.356433	0.951446	0.669266	0.628915	0.281106	0.218804	0.0374809	0.502141	1.59811	0.198185	0.496402	0.53079	0.662959
GSG1	0.172147	0.259581	0.284273	0.112615	0.0363245	0.0935614	0.240712	0.166587	0.0192261	0.0197104	0.0884576	0.050369	0	0.126541	0.10075
GSG1L	0.0136833	0.00219761	0.0264129	0	0	0.00388372	0.0156232	0.0162141	0	0.0114493	0	0.00326359	0	0	0
GSG1L2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GSK3A	7.98695	9.49778	9.84955	18.2894	12.159	20.4024	11.1929	7.91934	21.4723	13.8236	18.9318	12.3721	25.4025	12.4231	8.06885
GSK3B	7.20506	8.1793	8.80614	7.94422	6.09085	8.68734	6.90104	8.04724	7.40086	8.08407	8.62904	5.25763	10.3603	6.90087	6.28024
GSKIP	2.2176	2.34582	2.36561	3.47091	1.43745	2.63362	1.64674	2.63023	7.67588	6.33045	8.47954	3.50159	8.31038	3.0544	2.35863
GSN	101.974	45.9379	63.7673	38.3892	54.077	57.204	114.68	37.1857	47.4527	28.5498	30.4268	20.8654	30.9037	15.8102	38.5568
GSN-AS1	1.5871	1.91053	2.00945	1.03638	3.25787	1.10781	2.27005	1.60638	0.202987	0.801655	0.137329	1.09121	0.0940618	1.41963	3.34244
GSPT1	6.74582	7.34948	7.29961	13.5788	4.94798	10.9176	4.98638	5.90779	11.624	10.8246	10.3406	9.12758	18.5012	11.681	6.47712

GSPT2	0.918891	0.591621	0.484357	1.12293	0.631573	1.7795	0.492084	0.520333	0.316915	0.530724	0.917977	0.38984	0.650576	0.743754	1.0744
GSR	4.95508	3.28928	4.2072	3.49894	3.16668	5.86859	3.13112	4.06838	0.989589	2.83184	6.42902	1.02264	3.88509	2.9689	4.81354
GSS	3.76548	4.33784	4.20473	9.30981	5.56028	10.0675	3.74202	2.96773	3.15166	5.95138	7.09331	5.36084	6.63352	5.12251	3.92782
GSTA1	0.0510508	0	0.0140776	0	0	0.0869383	0.0777176	0.0302465	0	0	0	0	0	0	0.0292998
GSTA2	0	0	0	0	0	0	0	8.90E-17	0	0	0	0	0	0	0.198074
GSTA3	0.557664	1.09919	1.97118	0.0261222	0.196874	0.237422	0.665664	1.8022	0.0308715	0	0	0.126962	0	0.0264963	0
GSTA4	11.4076	13.745	11.6215	30.9102	10.5622	10.5804	9.41884	12.5001	31.1282	12.7365	20.1836	18.9428	9.76523	8.40647	4.51082
GSTA5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GSTA7P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GSTCD	1.30196	1.40568	1.45075	2.09197	0.808959	1.95476	1.08002	1.53018	0.789586	1.24058	2.16563	1.05327	1.61489	1.61367	1.27451
GSTK1	27.7304	18.7997	17.9432	32.895	29.9675	49.3778	19.7641	15.1489	23.9095	23.1712	40.8076	17.9777	17.7085	15.44	18.4888
GSTM1	1.02E-13	4.76081	7.65296	0.149032	5.1637	15.3396	6.66937	0.511985	2.28E-16	2.85746	10.3746	14.1176	7.83E-11	7.82E-17	1.28916
GSTM2	4.49062	7.02418	6.8057	1.55577	4.03567	2.91772	5.17673	4.18917	1.53258	0.494155	1.84466	1.71961	0.230713	1.09303	1.63257
GSTM2P1	0.0203724	0	0	0.0419887	0	0.0173468	0.0232606	0	0	0.0255695	0	0	0	0	0
GSTM3	2.759	2.50467	3.39583	3.30556	0.740411	4.29742	4.18095	1.54992	0.77857	2.31559	4.41227	2.84885	2.75334	2.99529	1.0711
GSTM4	2.99426	2.30458	2.39217	3.67763	2.52974	10.6964	4.99473	2.64239	1.06262	2.0739	5.57383	2.03004	0.754141	1.71924	2.83449
GSTM5	1.68649	1.72348	2.51776	0.461076	1.08413	0.680671	3.9755	1.05061	0.0538579	0.355688	1.63009	0.0967982	0	0.201554	0.60175
GSTO1	8.0206	4.92844	4.85215	27.6909	6.75074	31.4399	7.08002	4.55313	13.0601	27.5615	51.7129	11.3008	30.0005	11.9294	12.0514
GSTO2	2.86561	3.93182	3.85077	3.79255	2.23694	2.98501	3.81994	2.52086	4.0746	2.97589	5.69804	3.06001	1.92396	2.47081	1.10718
GSTP1	146.758	94.1406	74.8036	343.429	213.706	293.06	124.535	81.2614	287.299	490.887	611.198	336.202	471.286	306.72	124.862
GSTT1	0	5.68663	6.21196	10.1192	10.4079	0.393464	8.55152	0.838447	4.5491	5.17141	11.4327	0.0826596	0.0124224	4.1761	4.03702
GSTT1-AS1	0	0.575233	1.06364	0.283924	0.427966	0	1.15343	0	0	0.230531	0	0	0	0.191993	0
GSTT2	0.22943	0.144425	0.0418578	0.0732882	0.211386	0.436196	0.307484	0.285181	0.060885	0.0594262	0.240801	0.134052	0.0461914	0.00817025	0.0125492
GSTT2B	1.06407	0.170425	0.183622	0.5032	0.499746	5.01855	1.03354	0.844508	0.95124	0.490862	1.82882	0.122109	0.721684	0.806857	1.27783
GSTT4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GSTTP2	0	0.0430944	0.00924907	0	0.0173667	0	0.0382956	0	0	0	0	0	0	0.0292164	0

GSTZ1	3.16241	2.28555	1.8551	4.85879	4.44341	8.27407	3.29889	2.06954	4.98939	3.35573	4.98172	3.27075	2.10529	1.94581	1.42441
GSX1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GSX2	0	0.0184005	0.0631867	0	0	0.0162591	0.0436039	0.01697	0.0465109	0	0	0	0.0492798	0	0
GTDC1	1.50947	0.877161	0.883058	1.45433	0.712066	1.65332	0.785093	1.0505	0.941116	1.50824	2.13278	1.11052	1.16826	1.22359	1.7963
GTF2A1	2.62219	2.64542	2.66803	3.1949	0.886677	3.71215	2.18333	3.77935	3.71491	3.59558	4.13211	2.19534	4.86377	2.87704	2.67961
GTF2A1L	4.28E-24	4.55E-16	4.60E-09	1.77E-26	0	1.57E-34	3.66E-21	9.22E-13	0	2.23E-22	7.91E-10	6.44E-17	1.49E-20	2.81E-16	1.85E-18
GTF2A2	2.91829	2.20133	2.30538	5.18896	0.520194	4.92903	2.14396	3.02934	4.93796	5.56921	10.6797	3.42314	7.19199	3.66307	2.97152
GTF2B	4.92405	4.46705	4.48088	6.84316	1.5516	6.31311	3.26083	3.63841	8.32718	6.97479	13.7219	4.35882	8.01505	5.09558	3.96008
GTF2E1	1.5829	1.45425	1.41245	2.34328	1.16379	2.87709	1.11467	1.2681	1.5891	1.87485	2.81671	1.1776	1.90524	1.7298	1.56703
GTF2E2	3.20287	3.25835	3.29312	5.52624	2.99932	3.87264	2.53896	2.06571	6.12974	5.94949	7.23127	3.35249	7.11458	4.84493	3.32495
GTF2F1	7.79298	6.73149	6.67205	14.7622	12.077	16.253	6.41178	5.03104	8.49657	8.71066	5.92973	6.53031	17.1385	9.35024	6.98341
GTF2F2	8.21873	7.72796	8.81513	10.5214	4.08232	7.89325	6.63782	5.95937	23.1227	12.0546	19.1672	8.50197	9.21804	7.92497	4.0945
GTF2H1	3.95704	4.13671	3.74739	5.842	2.15797	7.20961	2.9243	3.50499	6.67151	5.8507	8.74813	4.34835	5.47994	4.95864	3.3
GTF2H2	1.00691	0.432577	0.589288	0.334083	0.245796	0.150913	0.449041	0.660274	0.136426	0.467874	0.750098	0.189286	0.54898	0.393988	0.488539
GTF2H2B	4.02541	2.04992	2.71688	1.4579	0.930779	2.13513	1.7908	3.03958	0.324293	1.04619	2.22469	1.05837	1.55611	1.91321	2.4933
GTF2H2C	0.18288	0.290931	0.0391679	2.03438	0.110861	1.02868	0.403157	0.297012	0.204717	0.648434	0.622235	0.573243	0.423244	0.193536	0.255784
GTF2H2C_2	2.28782	1.20449	1.54471	2.97431	0.499035	3.27899	0.696626	2.30993	0.322824	1.82637	3.00287	1.14436	2.32644	3.1328	1.77767
GTF2H3	3.57611	2.78686	3.12648	6.66561	2.3145	6.18226	2.289	3.0999	2.55708	3.68081	5.84905	2.37948	5.34867	3.98938	2.4706
GTF2H4	0.341661	0.360642	0.366324	0.73893	0.607532	0.815342	0.377266	0.255697	0.246378	0.383681	0.730787	0.332926	0.551095	0.559197	0.377686
GTF2H5	0.964551	0.637522	0.716104	1.15011	0.168076	1.15035	0.603594	0.662142	0.862211	0.939	1.60537	0.570711	0.58642	0.71255	0.577174
GTF2I	24.5277	34.4469	32.2699	34.8807	31.8001	29.7349	26.4041	23.3623	44.2303	22.1086	22.3112	30.3531	25.0684	22.3572	18.8132
GTF2IP1	1.69686	2.33524	2.07606	2.88542	2.53494	2.30604	1.42734	1.58596	5.99825	2.27289	2.7262	1.52998	2.44711	1.21715	2.37775
GTF2IP12	0.295758	0.760003	0.550511	0.406383	0.306276	0.398737	0.675373	0.52569	0.45025	0.40214	0.69557	0.599598	0.0636071	0.450847	0.530932
GTF2IP20	2.88458	3.22252	3.3454	2.74255	3.37806	3.12359	3.36345	3.64401	1.42439	1.30813	1.01158	3.19958	0.573654	2.22485	2.05001
GTF2IP23	0.449816	1.32204	1.48848	0.370839	0.943272	1.12989	1.43804	0.959422	0.246522	0.197598	0.177725	0.498876	0	0.599489	0.90439
GTF2IP4	1.56521	1.6817	1.74159	2.52135	1.34811	1.61239	1.31777	1.26414	5.70598	2.27756	2.52065	1.40314	2.43554	0.917982	2.20386

GTF2IP7	0.154287	0.118941	0.127637	0.0317994	0	0.183923	0.035232	0.0822705	0.112743	0.0387292	0	0.132476	0.0398181	0.0645097	0
GTF2IRD1	3.70525	5.58634	5.28416	5.10243	10.6044	6.96328	5.43606	3.52605	9.9436	7.88522	5.35985	7.68155	6.31295	5.27837	3.72955
GTF2IRD1P1	0.0163674	0.0678078	0.0289913	0.032449	0.0593668	0.0507232	0.0650805	0.0153941	3.96E-22	0.0189298	0.0911101	0.0407079	0.0372488	0.0239945	0.0499374
GTF2IRD2	2.05328	2.04979	2.04027	1.19349	1.78974	3.18157	1.74892	1.41777	1.07276	0.815347	1.37526	0.613488	0.69096	0.865961	1.39095
GTF2IRD2B	2.01276	1.86843	1.73463	0.816206	1.29935	2.13797	1.26915	1.29681	0.60251	0.485867	0.798862	0.439142	0.322149	0.791209	1.39824
GTF3A	12.7419	8.80776	8.50914	19.0083	7.75826	18.6112	10.1631	7.14886	14.7754	15.5993	35.2994	9.50636	11.5392	11.7424	9.91882
GTF3C1	8.39819	13.9654	13.6606	11.4197	23.2885	14.9595	14.9988	9.60213	19.2821	10.7286	6.77129	14.4065	15.8919	8.89404	9.63376
GTF3C2	7.28836	7.30763	7.38958	9.3055	8.94401	10.832	8.81227	6.064	10.3012	6.0425	8.17169	7.26145	10.7056	6.80006	5.66588
GTF3C2-AS1	0.513448	0.398225	0.355748	0.23505	0.224149	0.0744822	0.521819	0.301892	0.035261	0.247911	0	0.203692	0.0379295	0.253399	0.200053
GTF3C3	3.40014	2.97106	2.96382	3.95924	1.15628	3.05466	2.3962	2.99188	2.55595	3.15845	3.48053	2.26108	3.40217	2.83125	2.21392
GTF3C4	3.82197	4.48385	5.09967	4.02913	2.47025	4.12016	4.13962	3.65117	4.02705	2.88365	2.76376	2.7962	3.98812	3.07206	2.79705
GTF3C5	5.7834	5.95681	6.18054	8.54914	9.71996	11.4878	6.27853	4.64266	6.20058	6.64	7.02105	4.97937	10.038	5.78264	5.18764
GTF3C6	6.52878	4.47201	4.37325	18.678	4.42742	17.1131	3.36558	4.69808	13.0841	15.6853	17.7104	9.79624	19.1284	10.9115	5.56271
GTPBP1	5.94282	7.20254	7.58312	8.0428	9.72272	10.6632	8.12039	5.82348	9.72284	6.69339	4.4207	8.07467	9.35196	5.87164	6.63805
GTPBP10	1.39312	1.15913	1.13219	1.13841	0.347957	1.06342	0.708014	1.57352	0.69511	0.962837	1.62463	0.656495	0.995844	0.861219	1.07967
GTPBP2	4.17933	5.48004	5.33432	13.6976	11.9058	13.1544	5.16379	3.2168	21.2505	14.5468	11.1545	8.89114	18.6539	9.52919	7.2882
GTPBP3	1.96459	2.53335	2.34683	2.05817	5.47025	4.37988	2.68056	1.80392	1.74733	1.46309	1.43558	2.8756	2.43515	2.19416	2.61068
GTPBP4	5.09386	4.63393	4.27485	10.9346	4.99889	10.7886	3.32793	4.50249	9.02567	6.2433	6.41463	6.61195	18.0285	10.1926	6.07418
GTPBP6	4.03884	4.03731	4.36371	5.66653	9.14602	6.19852	4.32251	2.64663	3.41357	3.01707	3.94411	2.64617	4.50842	3.62664	3.22859
GTPBP8	1.70546	1.26544	1.14281	2.70658	0.476849	1.75713	1.49937	1.94006	1.45394	2.0549	2.57983	1.14708	3.04798	1.55986	0.783761
GTSCR1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GTSE1	0.171044	0.279483	0.246087	1.65537	0.427416	1.72238	0.280203	0.171837	0.298884	1.19473	1.79656	0.542759	1.31469	1.75681	0.897125
GTSE1-DT	0.152458	0.190987	0.21441	0.0628448	0.260501	0.16876	0.208885	0.189688	0.0185676	0.03827	0.0688422	0.0654525	0.0491824	0.20717	0.175159
GTSF1	0.0570026	0.0411971	0.0471566	0.146857	0	0.0728054	0	0.0253296	0	0.143088	0.257395	0	0.0183889	0.312816	0.0409315
GTSF1L	0.0274858	0	0	0	0	0	0	0	0	0.068995	0	0.0196668	0	0	0
GUCA1A	0	0.00956729	0.0328538	0	0.0154222	0.0169078	0	0.017647	0	0.0498445	0.0896632	0	0	0.015567	0

GUCA1B	0.825809	0.6042	0.691602	0.157596	0.443426	0.813287	0.337575	0.534577	0.0869161	0.181031	0.218673	0.372041	0.322316	0.261094	0.309088
GUCA1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUCA2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUCA2B	0.0387656	0	0.0320696	0	0.180649	0	0.309829	0	0.188848	0	0	0	0	0	0
GUCD1	6.27423	5.03144	5.33437	10.126	8.28109	14.9028	6.42428	4.3561	9.86317	8.09794	11.422	4.62769	10.7235	6.52746	5.35422
GUCY1A1	2.59581	0.844227	0.881192	1.57506	1.55726	2.84864	1.38482	1.25888	0.768551	5.41224	9.266	0.65969	2.55843	2.01864	6.82277
GUCY1A2	0.697759	0.348565	0.396627	0.258803	0.461029	0.707131	0.840671	0.53895	0.384058	2.01657	3.29565	0.414523	0.654572	1.08062	3.22345
GUCY1B1	1.39078	0.587805	0.620691	1.11893	0.596942	2.65931	0.793972	0.612584	0.482885	3.36098	6.8654	0.493205	1.37747	1.46333	5.15979
GUCY1B2	0.130189	0.605133	0.943974	0.386707	0.0118958	0.00652085	0	0.0952835	0.00932681	0.00961182	0	0.15891	0	0.0040025	0
GUCY2C	0.505727	0.675886	0.78196	0.744524	0.130928	0.179425	0.556801	0.513655	0.601254	0.838763	0.0611682	0.594487	0.341831	0.0881051	0.276681
GUCY2D	0.0511025	0.0400107	0.058129	0.0197485	0.0396899	0.0924654	0.0218802	0.0113539	0.0311186	0.0400868	0.0432663	0.013712	0.0329711	0.0534168	0.0458685
GUCY2EP	0.0165367	0.00796761	0.00684014	0	0	0	0	0.0073482	0	0	0	0	0	0	0
GUCY2F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUCY2GP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUF1	3.9109	3.46599	3.46129	4.34552	1.07754	5.56252	2.75653	4.45139	3.49244	3.38664	3.70581	2.86479	5.30385	3.5513	2.19641
GUK1	38.2041	31.6833	34.2823	67.4309	50.3565	67.54	37.0967	24.1185	51.9003	73.0246	130.671	44.3866	75.9069	50.9904	26.2256
GULP1	0.877254	0.927243	1.04777	0.299462	0.221435	0.630256	0.651053	0.838102	0.347229	0.40601	0.946984	0.102001	0.314837	0.255036	1.2441
GUSB	5.20442	4.27306	4.44703	5.91311	5.78565	12.4632	5.41354	3.40855	3.80059	3.99252	8.40929	3.4502	4.65685	4.93502	7.73441
GUSBP1	1.93055	1.73922	1.87979	1.34532	4.06234	1.63212	2.69765	1.71779	0.404433	0.798004	1.24114	1.0842	0.439336	0.872868	1.46865
GUSBP10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUSBP11	3.0216	3.78653	3.74953	2.20393	5.80547	3.62484	4.69536	2.62514	0.924119	0.960861	0.978946	1.91966	0.419628	2.68264	4.07671
GUSBP2	1.02701	1.97138	1.87587	0.890178	0.7071	1.15155	1.01226	1.30228	0.300622	0.60795	1.25482	0.173696	0.3926	0.69728	1.41131
GUSBP3	5.98911	5.74914	6.02916	3.09854	8.03245	2.66859	6.62717	5.57501	0.440851	1.76395	2.06942	2.75364	0.423747	3.14609	7.50828
GUSBP4	2.04751	1.70717	1.7903	1.01605	0.335039	0.750089	1.02203	1.86944	0.124348	0.407599	0.407297	0.523492	0.102326	0.501212	0.858584
GUSBP5	0.709767	0.414857	0.298397	0.299769	0.325332	0.584542	0.518117	0.45499	0.467635	0.146038	0.722428	0.0416276	0.195187	0.188518	0.0668403
GUSBP9	2.76394	8.02116	7.58983	5.83583	2.4865	4.71323	6.09267	1.08039	0.195699	2.63554	5.48514	1.85308	0.462284	3.85419	7.72116

GVINP1	0.431862	0.241268	0.219182	0.464159	0.370398	0.663259	0.145203	0.322583	0.0645349	0.226124	0.337973	0.0758304	0.309405	0.191092	1.03875
GVQW2	0.0426679	0.0781205	0.0776553	0.087941	0.106045	0.0944609	0.0292301	0.0379196	0.0311788	0.0321315	0.1156	0.024424	0.0110116	0.0356801	0.0245106
GVQW3	0.222644	0.198988	0.220743	0.0700583	0.161041	0.179448	0.246445	0.234118	0.00620966	0.046929	0.0498837	0.0571561	0.0109655	0.0710616	0.141566
GXYLT1	1.68443	1.32831	1.14035	1.37594	0.801751	1.36584	1.02689	1.96943	2.20576	1.45855	1.76543	1.19419	1.09276	1.10004	1.34934
GXYLT1P3	0.0454478	0.14355	0.0626628	0.0416314	0.0235321	0.0128994	0.0749535	0.0807805	0	0	0.0228022	0.0180662	0.00651616	0.00263923	0.0290084
GXYLT2	3.04277	1.31439	1.8228	1.22028	2.86383	2.79509	1.52315	1.51859	0.273824	2.99123	7.51277	0.332476	1.24754	0.971406	10.1603
GYG1	4.89873	2.66358	2.91633	10.4269	1.88458	11.0029	4.1949	3.28553	3.84729	7.74294	11.8611	3.42327	8.04936	5.45554	4.65178
GYG2	0.477176	0.223342	0.203016	0.224797	0.222366	0.882271	0.428076	0.278678	0.083021	0.102669	0.438634	0.0926745	0.448613	0.242268	0.107688
GYG2P1	0.140431	0.0676619	0	0.0578873	0.0436276	0.0239151	0	0.0499214	0	0.0352511	0.0317059	0.0401929	0.0181211	0	0
GYPA	0	0	0.00710411	0	0	0	0.00980482	0.0228953	0	0	0	0	0	0.00448815	0
GYPB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GYPC	4.85924	1.87732	2.28784	4.34993	3.73926	16.7508	5.31803	2.36821	0.381808	4.30013	11.9064	0.47267	4.00202	2.22367	5.56351
GYPE	0.442224	0.118372	0.162595	0.113931	0.0954065	0.30333	0.266484	0.229257	0.0149605	0.0616707	0.0970697	0.0263686	0.126809	0.102722	0.564524
GYS1	4.58639	6.38906	5.23352	13.9683	11.0789	18.8939	6.16413	4.84346	12.1296	11.7536	12.4779	12.4952	18.1141	11.6741	6.5683
GYS2	0.0221677	0.014241	0	0	0	0	0	0.00656693	0	0	0.0333661	0	0.00476749	0.00386193	0.0106119
GZF1	1.58934	1.43973	1.4609	1.61392	1.14056	2.19615	1.07182	1.40421	1.3923	1.65066	1.79941	1.21037	1.58313	1.75362	1.29475
GZMA	0.387439	0.348459	0.512828	0.905007	0.521584	1.09967	0.117964	0.619783	0.188743	0.453858	1.37043	0.203297	0.649932	0.56698	1.70633
GZMB	0.235673	0.147616	0.266783	0.794847	0.402689	2.22451	0.080725	0.293225	0.0287023	0.384531	1.23027	0.118041	1.08911	0.72672	0.711369
GZMH	0.309845	0.229674	0.124543	0.301433	0.481297	0.388583	0.163279	0.0847276	0.0870823	0.179487	0.558493	0.0852702	0.697748	0.0622841	1.40277
GZMK	0.487222	0.298774	0.421386	0.319516	0.275209	0.471436	0.0505722	0.393639	0	0.222369	0.150004	0.0950783	0.628706	0.0462988	1.43123
GZMM	0.4181	0.0829487	0.223806	0.177415	0.458438	0.54448	0.505454	0.327858	0.149764	0	0.194346	0.0175977	0.333228	0.0771237	0.847686
H19	10.7587	4.68082	6.61379	6.01667	15.9313	21.4633	6.708	6.24733	2.50159	89.8691	12.4954	18.7122	59.1681	28.408	44.0769
H1F0	36.2243	33.5286	35.6288	56.1028	45.1602	54.9231	43.798	38.6283	155.638	78.7757	68.7564	50.6876	146.049	40.8654	24.4066
H1FNT	0.0890117	0.0686195	0.0441821	0.0183458	0.110613	0.0303169	0.101631	0.063285	0	0	0.0200966	0	0	0.00930428	0
H1FOO	0.0365898	0	0	0	0.0284183	0.0155779	0.0626656	0.048777	0	0	0	0	0	0	0.157643
H1FX	31.8658	25.8604	27.937	55.2639	48.3059	44.6818	34.6124	18.4522	30.0934	32.9982	37.6368	18.6802	53.7128	20.796	20.6873

H1FX-AS1	0.691291	0.524752	0.54634	0.370179	1.30885	0.78177	0.626045	0.310421	0.0257193	0.159357	0.321656	0.15332	0.0953237	0.67107	1.00027
H2AFB1	2.44E-09	0.00010003 5	2.36E-14	0.0153684	0.0926607	0.00103655	0.00851364	6.33E-15	0.00908124	0.00935873	0	0.0426829	0	0.0272798	0.117794
H2AFB2	0.103897	0.0874294	0.0859509	1.49E-05	8.96E-05	0.0645458	8.23E-06	0.0230837	8.78E-06	9.05E-06	0	4.13E-05	0	2.64E-05	0.00011384 9
H2AFB3	2.44E-09	0.00010003 5	2.36E-14	0.0153684	0.0926607	0.00103655	0.00851364	6.33E-15	0.00908124	0.00935873	0	0.0426829	0	0.0272798	0.117794
H2AFJ	5.37084	4.91706	5.53952	8.78666	8.41137	8.96912	5.79351	4.5432	29.7617	9.34697	17.1488	6.15959	6.68599	4.17589	2.03932
H2AFV	11.0402	6.78901	7.55403	8.94359	3.37023	12.2911	7.52163	7.48987	5.24286	8.16325	12.1464	4.79112	11.129	7.57772	8.34441
H2AFX	3.45766	4.14388	3.41327	20.9751	10.2454	22.4275	6.0047	2.38858	8.81133	10.9952	25.978	6.8504	25.5331	14.7531	5.38291
H2AFY	21.4651	21.0796	19.0923	45.6407	40.0191	41.1448	19.1588	18.5131	62.8473	44.8879	48.0176	39.2081	64.4337	30.2264	20.7153
H2AFY2	2.87828	2.64566	2.34597	6.56712	5.70831	6.90931	2.32832	2.55797	2.19897	2.8527	5.47931	2.45466	4.13896	3.64144	3.30991
H2AFZ	21.579	13.7293	13.2826	45.9363	15.1085	40.723	17.6346	12.5317	25.5665	50.3337	114.517	17.8185	51.4807	41.1403	19.8997
H2BFM	0.0245941	0	0	0	0.0191016	0.0104708	0	0	0	0	0	0	0	0	0.0176601
H2BFS	0	0.0242406	0.0416208	0	0.156301	0	0	0	0	0.0631455	0.0567948	0.143995	0	0	0
H2BFWT	0	0	0	0.0266774	0	0	0	0	0	0	0	0	0	0	0
H2BFXP	0.0413691	0.0199323	0.0537797	0.0182709	0.0183601	0.0956113	0.0269908	0.0682786	0.00719756	0.0222525	0.0600436	0.0338294	0.00762604	0.0710414	0.025462
H3.Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H3F3A	25.5488	23.5337	20.0261	47.6914	18.3056	41.541	22.0993	26.6724	69.339	44.2791	92.3028	32.5297	38.3433	24.518	18.68
H3F3AP4	63.9988	57.8135	50.053	121.222	47.3756	102.05	57.1805	68.9801	179.296	114.539	236.416	84.1136	99.1475	63.4053	48.3282
H3F3B	104.374	83.1565	100.091	131.102	67.2366	122.1	74.5432	110.609	102.94	138.533	187.783	110.163	158.623	96.5954	52.6716
H3F3C	0	0	0.0368461	0.0230919	0	0.0572046	0	0.019687	0	0.056255	0.0756126	0.0318033	0.0286952	0	0
H6PD	11.8281	13.7409	16.8275	8.09935	9.31034	26.1273	14.9353	11.9797	4.31437	4.46801	7.10915	2.72901	5.88754	5.17024	11.6379
HAAO	1.53206	1.48502	1.49109	0.872999	2.60379	1.87238	1.04955	1.29749	0.504883	0.497688	2.11609	0.257936	0.0581456	0.339128	1.19071
HABP2	0	3.83E-25	0	0.142051	0.0450773	0.0617743	0	0	0.0353425	0.0364225	0.0245696	0.0467195	0.0608505	0.0341254	0.104189
HABP4	2.16233	1.41842	1.52302	1.52136	2.34715	3.9486	1.49719	1.02645	0.888403	1.55861	2.31356	0.87613	2.02265	2.19672	3.65413

HACD1	0.389554	0.28154	0.234376	0.967122	0.495092	0.859405	0.566084	0.330467	0.388172	1.48902	2.87842	0.937568	1.34809	0.9347	0.737455
HACD2	5.42886	5.29081	4.71996	7.35077	1.87228	3.97906	3.77323	5.57981	8.51291	6.00153	7.17693	5.62704	8.89846	5.72115	3.36975
HACD3	6.0094	5.83255	5.76515	8.19272	2.30846	8.09617	4.54677	5.26372	2.09986	6.2114	11.996	2.84422	7.41934	5.16173	4.13382
HACD4	1.86824	1.72443	1.53251	1.97935	0.538014	1.43438	1.48597	1.76295	1.20796	1.65323	2.7429	0.841118	0.968364	0.946252	2.7584
HACE1	2.32974	1.75138	1.87314	1.68736	1.13363	1.77262	1.24455	1.65888	1.35601	2.06681	2.2075	1.13476	1.21941	1.35944	1.82743
HACL1	3.287	2.76873	2.9796	2.95988	1.7911	3.27238	3.19997	2.24822	1.93466	2.15748	3.11592	1.571	2.08334	1.51242	1.83004
HADH	4.73589	3.77377	4.169	6.2049	2.92372	6.29008	4.39053	3.36349	4.05469	2.90849	5.72321	2.89627	2.91193	4.61718	1.94739
HADHA	26.6637	21.9048	21.6168	34.1527	22.5851	38.6723	22.9089	19.6466	36.2228	39.2425	36.2593	24.3567	46.6637	24.5974	17.8712
HADHB	15.9483	11.072	10.5128	22.4842	7.26579	26.3964	10.5416	11.3932	17.7106	17.5611	25.5506	12.8627	21.7429	13.422	13.1423
HAGH	4.20408	4.62232	3.72876	5.49719	10.3415	6.63124	4.24924	2.90323	10.7606	4.84403	7.14215	6.59814	6.97235	4.60339	3.22664
HAGHL	0.344562	0.394285	0.391938	0.281106	2.05169	0.684575	0.590114	0.165868	0.419637	0.882939	1.88001	0.349269	0.463144	0.862897	0.391744
HAGLR	0.645511	0.265606	0.345113	0.351708	0.408864	0.931396	0.44796	0.322197	0.0967747	0.504893	0.786747	0.177677	0.684193	0.584014	0.762445
HAGLROS	0.206327	0.0828431	0.0853443	0.283502	0.213665	0.556336	0.157052	0.122244	0	0.388443	0.737573	0.172238	0.133121	0.34148	0.493854
HAL	6.80752	3.76157	2.57363	21.5156	16.454	2.60363	12.7223	9.0144	105.4	8.29919	18.7477	11.2655	0.28238	1.30445	0.390716
HAMP	0.19713	0.170964	0.0978479	0.203148	0	0.0671414	0.225077	0.105116	0	0	0	0	0.228937	0.0206057	0
HAND1	0	0	0.0110159	0	0	0	0	0	0	0	0	0	0	0	0
HAND2	1.07506	0.809931	1.42185	0.141003	0.303625	1.5455	1.64961	0.277941	0	0.159464	0.297885	0.00699302	0.170253	0.188993	0.505282
HAND2-AS1	0.143865	0.192545	0.323033	0.0263568	0.0248302	0.264824	0.223281	0.153426	0.0116807	0.00802512	0.0433081	0.0205878	0.0247522	0.0551394	0.165286
HAO1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAO2	0.0272111	0.0327768	0.0337664	0.126188	0.25361	0.104265	0.0155344	0.0846404	0	0.0341527	0	0	0.0614477	0	0.195393
HAO2-IT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAP1	0.0292358	0.140863	0.0773949	0.210898	0.790191	0.0248939	0.100141	0.114322	0.199393	0.623797	0.0528057	0.732164	0.0829962	0.201695	0.159548
HAPLN1	0.00494721	0.00715092	0	0	0.0153695	0.00842497	0.0225943	0.00439667	0.0964023	0.0434648	0.1111696	0.00353986	0.00319192	0.0284419	0.078153
HAPLN2	0.0392034	0.0314813	0.0648636	0	0.0405976	0.0778893	0.164124	0.0580678	0	0.0164014	0	0	0	0.0136596	0.037534
HAPLN3	2.38847	1.48185	1.29021	3.97868	4.23529	9.16587	1.23279	1.26003	0.504738	3.76432	5.47878	1.09252	5.62932	3.99578	6.9073
HAPLN4	0.0269262	0.00324336	0.0167064	0.0346853	0.0731949	0.0687819	0.00768586	0.0299122	0	0.0337951	0.0303963	0.0096332	0.0130295	0.0422184	0.125676

HAR1A	0.0579611	0.0598426	0.0479495	0.0682636	0.12862	0.151429	0.0661781	0.0294349	0.0100843	0.0311774	0.121515	0.0118494	0.016027	0.0335517	0.107022
HAR1B	0	0.0124449	0.0641034	0.106471	0	0.165436	0	0.0459099	0	0	0.204106	0	0	0.12483	0.111282
HARBI1	1.17084	0.857181	0.717015	1.41029	0.684971	1.70906	0.850707	0.702704	1.83336	1.10691	1.40756	0.957446	1.55008	1.16028	1.4631
HARS	9.08588	7.91999	8.52092	14.9698	13.7048	16.1496	9.83603	6.72474	21.6331	14.6792	11.8576	11.6753	19.2475	11.8179	7.80659
HARS2	3.93482	3.72	3.72158	4.69394	4.75716	6.19892	3.0091	2.62111	2.73702	3.95389	4.73435	2.86504	3.66572	3.46649	2.71432
HAS1	0.0986677	0.195441	0.199527	0.135573	0.187324	0.130689	0.287898	0.107174	0.0133518	1.85757	5.53205	0.235331	1.35808	1.20325	0.661263
HAS2	1.35078	0.713182	1.05083	1.88217	0.28856	2.09107	0.94579	0.950564	0.086063	4.65141	8.48465	0.376891	2.79358	1.31329	1.84113
HAS2-AS1	0.160383	0.129379	0.0690361	0.0890818	0.0897854	0.0644371	0.228519	0.113683	0.0246486	0.121416	0.278728	0.0685074	0.0736639	0.0973898	0.197368
HAS3	1.35192	3.6253	4.19258	14.1525	5.36405	10.4105	1.00212	1.69496	14.2186	7.54144	6.12468	6.17813	33.7067	20.8955	2.98615
HASPIN	0.26487	0.199404	0.178035	0.904169	0.308576	0.838703	0.311871	0.242751	0.171372	0.529826	0.616699	0.396811	1.37248	0.856553	0.261516
HAT1	6.47171	6.26304	6.63786	12.3104	1.16243	8.20099	3.5443	5.35741	7.30799	10.5404	16.9583	3.97624	11.9365	7.36599	5.51287
HAUS1	2.36397	1.69414	2.25145	4.91323	0.833156	4.78695	1.15676	1.44768	2.05646	5.16113	9.7999	1.66305	4.16551	2.86556	2.36791
HAUS2	2.43385	1.91139	1.9558	3.36446	0.866044	2.61103	1.21194	1.62464	1.802	3.29696	4.12732	1.36557	5.254	2.34515	2.00942
HAUS3	2.20214	2.25819	2.52391	2.35153	1.19462	2.12127	1.14854	2.17355	1.34268	1.72668	2.60337	1.10694	2.05591	1.74939	1.43319
HAUS4	4.54948	6.09267	6.35846	7.76056	6.82551	8.95069	4.71051	4.45756	3.69958	4.55742	8.62877	3.32605	3.7375	4.54876	2.49577
HAUS5	1.20844	1.46726	1.63064	1.9704	2.13576	2.86741	1.49628	1.08351	0.693357	0.660617	0.624493	0.849302	1.33759	1.10036	1.43466
HAUS6	2.03978	1.44879	1.58519	2.40931	0.598682	2.04336	1.06277	1.87419	0.650948	1.72045	1.99483	0.86635	2.25912	1.7312	1.39942
HAUS7	1.98512	2.82612	3.09465	1.96348	3.13006	3.28716	1.95902	1.71988	0.71679	1.0517	1.68916	0.835111	0.952544	1.43374	2.67896
HAUS8	1.01728	0.627992	0.618023	1.45784	0.543188	1.7324	0.54445	0.536792	0.44524	1.05734	1.75845	0.568663	1.57933	0.855662	0.525025
HAVCR1	0.0605205	0.0291597	0.0200267	0.0124736	0.0188019	0.0515324	0.0142615	0.0107571	0	0.0151919	0.177632	0	0.00780951	0.0126523	0.0521491
HAVCR1P1	0.885153	0.613065	0.793282	0.152029	0.372382	0.125616	0.504647	0.917758	0	0.18516	0.187355	0.30348	0	0.36624	0.820978
HAVCR2	1.0381	0.656192	0.520003	2.16904	0.665725	2.74911	0.663318	0.973365	0.255179	1.68544	4.83808	0.25214	1.76355	1.08512	2.35253
HAX1	9.5988	9.55227	10.4091	21.0784	11.4647	24.2022	13.0215	6.28018	17.7385	16.6053	34.3469	9.90201	21.5553	15.0913	8.93633
HBA1	2.00839	1.54743	2.67794	0.44738	1.45584	1.91722	4.19737	0.68843	1.09692	14.3439	36.3399	2.44651	7.39738	3.53545	1.32861
HBA2	9.90643	1.02743	1.70959	0.515004	5.68172	6.36796	4.6858	3.11911	4.98264	21.338	73.9589	4.91035	16.177	7.08924	3.90742
HBB	7.92318	0.745746	1.03654	0.265839	2.80495	3.42031	3.28196	2.19432	3.9047	38.575	120.186	2.87418	20.9473	4.60325	2.43451

HBBP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HBD	0.0299006	0.0288131	0	0	0	0	0	0	0.0750566	0.0337635	0	0	0	0	0
HBE1	0	0	0.0234627	0	0.0440553	0.0241495	0	0.0252054	0	0	0	0	0	0	0
HBEGF	0.98147	0.926858	0.876896	2.92304	1.84472	5.24825	1.05337	1.21243	7.70981	11.3207	14.4256	22.8237	38.9759	10.9773	6.65291
HBG1	0	0.00914619	0	0	0	0	0	0	0.0231189	0.14915	0.436814	0	0	0	0
HBG2	0.0396965	0.00996449	0	0	0	0	0	0	0.0251873	0.149534	0.548309	0	0.025612	0	0
HBM	0	0	0	0	0	0	0	0	0	0	0.0512267	0	0.058556	0	0
HBP1	12.7703	11.8923	12.8379	13.1577	6.89146	13.6067	10.71	11.8983	30.7659	16.7439	21.0098	8.79825	15.0966	7.97876	10.2141
HBQ1	0	0.0170761	0	0	0	0.0301776	0	0.0314971	0	0	0	0.0253591	0	0.0555692	0
HBS1L	2.62	2.05767	2.20584	3.04976	1.08098	2.82971	1.61979	2.25249	2.75672	2.42415	2.49182	1.74016	3.12566	2.27287	1.98127
HBZ	0.196461	0.0567946	0.162526	0.0404917	0	0.267654	0.134587	0	0.0478534	0	0	0.0281146	0	0	0
HCAR1	0.0544177	0.0824034	0.218659	0.0160226	0.0241513	0.0529553	0.0621323	0.0829061	0.0094678	0.0390284	0.0438791	0.0166874	0.00501571	0	0.0446575
HCAR2	1.17891	4.26181	5.56939	9.00511	6.13816	3.14708	3.56403	2.82847	3.85368	10.5411	9.18079	4.18566	20.0519	2.17736	2.59168
HCAR3	0.182035	0.969238	1.14047	4.28889	0.881656	0.730485	1.10637	1.62673	0.681398	5.62193	7.02152	1.17815	5.18401	1.19017	3.07909
HCCAT5	0.042937	0	0.0355205	0.0221239	0	0	0.0490241	0	0	0.0538904	0	0	0	0.0448815	0.0924945
HCCS	2.47541	2.4185	2.13721	5.00074	2.10568	4.57519	2.5123	2.40072	5.43138	4.84525	6.27638	3.929	6.55319	3.9018	2.49696
HCFC1	5.80636	6.55727	6.81433	12.2786	10.4827	15.0707	10.2986	5.90959	5.88734	5.10544	4.87724	6.64069	15.7239	7.60244	9.86519
HCFC1-AS1	0.14722	0.326292	0.219224	0.212401	0.320158	0.225641	0.369801	0.130837	0.0358596	0.0369554	0.0997161	0.252816	0.0379943	0.292387	0.338283
HCFC1R1	7.85777	7.00321	6.84163	8.61244	16.8723	11.5537	13.7251	5.64967	6.29376	8.12649	22.1235	8.09316	4.10095	6.06566	13.2247
HCFC2	2.16701	2.0182	2.06979	1.63433	0.802352	2.3606	1.47901	1.85413	2.50648	2.80593	3.13416	1.68915	1.88502	2.33264	2.27178
HCG11	1.30828	0.933369	1.13781	0.880547	0.958732	1.19733	0.652347	0.92256	0.592348	0.664691	0.988119	0.318153	0.730659	0.680668	1.16883
HCG14	0	0.00906559	0	0	0	0	0.0107415	0.00836082	0	0	0.0212403	0	0	0.0049169	0
HCG15	0.0234271	0.0211641	0.033916	0.0181067	0.0090976	0.0448827	0.0234048	0.00780752	0.00713289	0.0220526	0.00661157	0.00838136	0.015115	0.0260186	0
HCG17	0.0323485	0.015586	0.015292	0.00952459	0	0.00786981	0.0158291	0.0082139	0.0112562	0.0464008	0.0260839	0.0264528	0.0387606	0.0120762	0
HCG18	0.34869	0.389568	0.369021	0.282377	0.301611	0.336772	0.2742	0.293369	0.132694	0.240934	0.253033	0.271969	0.283865	0.38844	0.434432
HCG20	0.00653389	0.00629626	0.0162159	0.00336668	0	0	0.0149204	0.00290339	0.0119363	0.00820071	0.00737595	0.00233759	0.00632345	0.00170745	0.00469175

HCG2040054	0	0.128464	0	0.054953	0.0828322	0	0	0	0	0	0	0.0381555	0	0	0
HCG21	0	0	0	0.0707344	0.00892925	1.23E-17	0	0	0	0	0	0.00411313	0	0	0.0495326
HCG22	0.00672959	0	0.00111344	0.0180311	0.00418135	0.00458412	0	0	0.0295052	0.00506779	0.0167131	0.00770432	0.0364719	0.00422061	0.0309265
HCG23	0	0.0158551	0.011667	0.0193781	0	0.00800569	0.00536746	0.00835573	0	0	0	0	0	0.0098278	0.0337562
HCG24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HCG25	0.00969114	0.0469567	0.0159869	0.0100984	0.0687366	0.0126231	0.0387334	0.0131198	0.00585068	0.00609339	0.00553577	0.0139567	0	0.0104365	0.00697036
HCG26	0.300729	0.618957	0.711198	0.134743	0.294499	0.311733	0.238861	0.377654	0.0875825	0.0205134	0.0147602	0.0561338	0.0358531	0.0632113	0.164304
HCG27	0.0381269	0.0378209	0.0630826	0.00693369	0.031354	0.0381936	0.0665785	0.0298977	0	0	0.00759539	0.00802378	0.00289404	0.021099	0.0483133
HCG4	0.0415346	0.0154566	0.00918057	0.0619351	0.0618589	0.146045	0.0649437	0.0227476	0.0062752	0.121131	0.111682	0.102188	0.426655	0.0878532	0.00204217
HCG4B	0.031932	0.0400019	0.0496629	0.0250092	0.0476174	0.109846	0.0160419	0.0283785	0.00933351	0.0192374	0.0173027	0.00182786	0.0206024	0.0193593	0.0330181
HCG9	0.0101952	0.0294732	0.0210854	0.00525321	0.0475099	0.0217026	0.0291013	0.00453031	0	0	0.0172636	0.00364746	0	0.00266422	0
HCK	1.31783	1.04522	1.66046	10.2481	2.56667	5.8436	1.23844	1.37838	0.56791	5.25467	9.85283	1.19681	9.11086	3.02521	6.81321
HCLS1	5.04198	2.01894	2.92162	8.51937	6.50895	14.9777	1.7374	3.01752	0.926613	6.91256	9.16578	0.820661	7.28266	3.7747	8.15415
HCN1	0.0430836	0.0161454	0.00396019	0.0665983	0.0706416	0.099865	0.0409928	0.0723238	0.00874515	0	0	0.0325401	0	0	0
HCN2	0.475356	0.268297	0.264038	0.44788	0.506326	0.387413	0.217098	0.277615	1.19921	0.375019	0.467624	0.403297	0.302316	0.358466	0.409603
HCN3	0.843947	1.53238	1.09666	0.836207	2.42365	1.28725	1.18764	0.700241	1.12545	1.25784	0.715952	1.19728	0.960475	0.775881	0.451142
HCN4	0.0128074	0.00771353	0.0105952	0.00659922	0.0397888	0.114506	0.00365578	0.00284555	0	0.0160747	0.007229	0.00687305	0	0.0552233	0.0919655
HCP5	1.55969	2.40794	3.07602	2.80228	1.67454	2.91	2.16199	1.8074	0.670421	0.818853	1.42409	0.319118	0.718554	0.36629	1.48229
HCP5B	0.0153458	0.0110908	0.00888661	0.00158143	0.00238374	0.00653339	0.0105128	0.00681905	0	0	0.00173235	0.00439214	0	0.00320816	0.015427
HCRT	0	0	0	0.0826675	0	0	0	0	0	0	0	0	0	0	0
HCRT1	0.312275	0.317635	0.220064	0.0357565	0.179656	0.0984808	0.330135	0.390589	0.0281715	0.11613	0.0261126	0.041378	0	0.108806	0.0664395
HCRT2	0	0.0107012	0.00918693	0.0228883	0	0.00945586	0	0.0098693	0	0	0.0250726	0	0	0	0
HCST	2.87576	1.23163	1.66155	3.90437	4.67977	7.38489	1.7199	1.9878	0.389151	3.4948	7.26571	0.457263	2.415	0.930428	2.35998
HDAC1	9.64017	9.20957	8.88149	23.2679	8.26951	21.7039	7.56957	7.2985	17.4829	19.184	21.7401	12.7265	24.2365	16.4514	9.93435
HDAC10	1.67629	3.49851	3.41733	3.93087	10.0036	4.19462	3.58374	2.72866	1.37491	1.72822	1.50614	2.64976	1.99752	2.36457	3.46365
HDAC11	1.40444	2.94684	2.75471	2.87906	5.01997	4.22407	1.78459	1.09381	1.72884	2.02807	1.99458	1.14539	1.74894	1.33782	1.01932

HDAC11-AS1	0	0.043814	0.0752281	0	0.070627	0.116145	0.155741	0	0.0553745	0.0570666	0.0513274	0.0325333	0	0.0237634	0.130595
HDAC2	2.90248	2.77603	2.71339	5.02183	1.66023	4.70967	1.89152	2.30936	4.75114	4.72444	6.48139	2.77467	5.54696	4.07439	2.86842
HDAC2-AS2	0.126843	0.200012	0.171709	0.178248	0.28659	0.235647	0.105327	0.153719	0.0983057	0.10131	0.195259	0.0990103	0.00743985	0.186827	0.165602
HDAC3	7.18474	7.90083	7.84507	11.0701	8.73895	17.0684	8.44289	5.43498	12.2673	10.9741	14.9579	9.28789	14.9317	10.3878	5.99863
HDAC4	2.23283	3.38396	4.06758	4.53025	5.47888	4.99017	4.00658	2.46096	3.06161	4.04508	2.73306	3.55505	6.33303	3.28801	4.16935
HDAC5	4.679	10.4241	10.128	4.7144	18.3696	9.80675	9.17176	4.35136	10.8785	4.30769	4.24228	3.45366	4.45963	4.49582	5.51547
HDAC6	2.89094	3.04567	2.86348	3.97493	5.00296	5.56753	3.37167	2.20022	2.06052	1.87509	2.00191	2.84875	2.82161	2.73794	3.76166
HDAC7	9.84153	9.89061	10.3539	15.116	22.258	24.7232	13.3009	7.95724	5.45889	8.65124	8.65594	7.56948	15.1572	12.3123	16.9158
HDAC8	1.66172	1.58901	1.64857	2.02738	1.2461	1.57756	1.25032	1.33534	1.42673	1.38243	1.56682	1.34389	1.52399	1.68373	1.55438
HDAC9	0.300054	0.294611	0.407895	0.195557	0.188954	0.349402	0.394443	0.324319	0.0375308	0.181174	0.27464	0.119534	0.217661	0.42384	0.736049
HDC	1.72566	2.03851	2.92038	1.00201	2.16348	0.171551	1.36021	0.94197	0.213366	0.61568	1.06797	0.65185	0.406922	0.636367	1.86184
HDDC2	5.45975	3.30723	3.02298	7.26563	2.84922	9.70048	3.20687	3.03102	6.21306	6.5468	12.715	3.9066	6.29631	4.48622	2.84001
HDDC3	2.12833	2.20027	2.25644	3.32191	4.33316	4.08197	2.19413	1.94658	2.16425	2.15258	5.01519	1.9073	1.83981	1.38235	0.919935
HDGF	23.5761	22.4775	22.895	56.7724	46.2723	52.0286	29.8511	16.4396	47.9664	35.946	32.5318	29.6073	62.6765	35.5365	18.125
HDGFL1	0.010453	0	0	0	0.0162372	0	0.011935	0.0092898	0	0	0	0	0	0	0
HDGFL2	3.10319	3.73986	3.84748	5.62709	8.70379	9.24489	3.15349	2.38404	1.42088	2.29108	2.48176	2.28289	4.54201	3.26448	3.74991
HDGFL3	3.71772	1.40643	1.48665	3.46867	2.0382	4.98722	1.08562	1.98578	2.21177	5.7163	9.37045	1.62601	7.061	3.98548	5.29815
HDHD2	3.17831	3.77143	3.9908	4.22933	1.86936	5.41259	2.54845	3.59248	3.93346	2.80141	3.21635	2.21529	2.36918	3.02657	2.62937
HDHD3	3.66085	4.49032	4.13675	6.58123	12.9876	5.39849	4.81276	2.4324	14.0788	3.08732	7.01376	5.74293	2.85373	3.89302	1.50924
HDHD5	5.33028	3.77818	3.5236	6.60936	8.31803	10.2828	3.65438	3.13984	3.46323	4.18708	8.76879	2.65128	5.56764	4.24631	3.21756
HDHD5-AS1	0.184849	0.587815	0.275256	0.190492	0.574268	0.157396	0.928638	0.197134	0.045025	0	0.0417342	0.0264528	0.0954107	0.057966	0.106186
HDLBP	29.9508	28.6439	25.9646	43.892	41.6224	52.862	33.583	20.8697	68.7403	54.9518	34.4327	48.5383	78.6859	46.0512	47.7857
HDX	0.219192	0.168976	0.187376	0.203296	0.0283734	0.298623	0.200213	0.211033	0.022246	0.178821	0.292805	0.0496654	0.0942812	0.183295	0.377745
HEATR1	4.97855	4.60605	4.80342	7.50089	2.16454	6.83445	4.19995	5.30282	2.65457	3.42998	3.95433	3.42935	6.40919	4.93227	3.90954
HEATR3	1.11467	1.31625	1.14888	2.29269	2.24239	2.06939	0.985814	0.958143	1.98624	2.37949	3.15095	1.49382	2.60262	2.29687	1.31213
HEATR4	0.338901	0.128746	0.129398	0.0738793	0.161979	0.271922	0.23068	0.249059	0.00793738	0.0654394	0.0220718	0.0559599	0	0.0715311	0.0374389

HEATR5A	2.90063	2.6032	2.64615	4.46705	1.99845	3.34422	2.49989	2.17923	5.54153	3.68873	4.40368	3.77513	4.09134	3.44376	4.00463
HEATR5B	5.1361	6.0293	6.05263	4.79165	3.09087	4.57606	4.8778	4.64011	4.87159	4.0471	3.45193	4.04738	4.28158	4.20963	3.67827
HEATR6	2.4584	2.04878	1.67858	3.0365	1.81801	3.38032	2.6659	2.16391	1.7334	1.90447	2.32375	1.87267	2.86872	2.51133	1.95955
HEATR9	0.01144	0.0551195	0.0283918	0.0235784	0.0533107	0.019482	0.0261236	0.0508344	0.0139326	0	0	0.0245568	0	0.0179371	0
HEBP1	7.37589	7.55071	7.7343	11.9051	8.77897	13.7355	8.94653	5.34622	5.92645	9.522	16.2636	5.55181	10.1853	6.20799	9.13449
HEBP2	20.0148	19.9711	19.8587	39.4912	27.1228	20.5758	17.3486	11.6739	64.6527	37.1602	53.9635	20.488	37.9067	14.9817	6.53267
HECA	9.82787	9.5974	10.4464	10.8365	9.07523	11.7549	8.0151	9.5831	19.8418	10.9087	10.388	9.01476	15.0407	8.82906	6.8353
HECTD1	17.1663	17.1191	18.5176	22.6333	13.3032	20.5563	14.823	15.1887	43.7573	20.5895	19.7942	21.9692	25.3012	18.372	12.7303
HECTD2	0.993295	0.642044	0.688627	0.774923	0.304239	0.753455	0.519135	1.03817	0.430218	1.16767	1.22001	0.590605	0.789803	0.886556	1.48175
HECTD2-AS1	0.981809	0.745581	0.599369	0.326387	0.948805	0.404522	0.645747	0.55037	0.275519	0.312332	0.536303	1.52159	0.218941	1.14689	0.519826
HECTD3	4.72047	6.60496	6.23761	7.85564	11.8509	9.98336	6.32923	4.41059	8.3982	5.46031	4.49349	6.62744	9.09982	5.7744	4.98362
HECTD4	5.7955	7.30604	7.98289	3.86379	6.04272	4.31364	7.4962	5.22244	3.76538	3.48375	1.9125	4.76098	3.97504	4.43348	4.70472
HECW1	0.0778316	0.0878012	0.0693548	0.024411	0.131412	0.0403398	0.0309098	0.045111	0.0412131	0.0849449	0.080222	0.0477966	0.0676831	0.123803	0.155514
HECW1-IT1	0.0125846	0	0	0	0	0	0	0	0	0	0	0	0	0.0131545	0
HECW2	2.29245	1.68179	1.28425	1.79473	1.26764	2.37836	1.98423	1.35656	1.62861	1.35248	1.77967	1.45583	1.35221	1.68959	2.05097
HEG1	7.50708	3.30282	3.15956	5.26952	6.0622	11.7771	6.76184	4.13554	2.53351	6.12282	8.3804	4.19051	10.0687	7.29618	20.5168
HEIH	5.26275	4.14686	4.96518	4.92251	7.1601	10.2137	4.77326	3.61408	3.13169	3.57898	7.94958	2.18778	3.90751	2.70389	3.08459
HELB	0.625996	0.597196	0.512689	1.31602	0.865425	0.922136	0.271602	0.589712	0.365948	0.636408	0.508803	0.394166	0.76739	0.775398	0.970929
HELLS	1.34874	0.996428	1.33321	2.80122	0.408269	2.61491	1.21617	1.34618	0.336947	1.81435	2.05351	0.841336	2.87389	2.21596	1.45024
HELQ	1.67506	1.34584	1.41195	1.39962	0.794651	1.5458	1.12684	1.40819	1.08067	1.11369	1.67118	0.82603	1.15961	1.11207	1.15729
HELT	0.0272592	0.157607	0.293159	0	0.0423429	0	0.0311237	0	0	0	0	0	0	0	0
HELZ	3.69709	2.78158	2.96447	3.54619	1.20575	3.94587	2.2348	3.3749	1.21226	2.36421	2.96499	1.65545	2.83659	3.12051	3.76233
HELZ2	1.67935	2.1511	2.39676	14.758	7.71589	14.7492	2.02701	1.72394	3.21954	3.56456	2.4013	3.59664	9.05546	4.53787	4.53803
HEMGN	0.00943459	0.0136372	0	0	0	0.00803343	0	0.025154	0	0.0118414	0	0	0.0426101	0	0
HEMK1	0.950111	1.69413	1.56271	1.59589	2.70185	1.46513	1.38376	1.107	0.496563	0.873237	0.954321	1.04651	0.685407	1.25902	1.33762
HENMT1	1.05453	0.743014	0.844243	1.49571	0.722153	1.75722	0.56965	0.634865	0.676676	1.13854	2.73929	0.705867	0.797434	1.0134	0.765364

HEPACAM	0.05466	0.00314547	0.0162021	3.01E-22	0.0202816	0.0744641	0.0670844	0.00971544	0	0	0	0.00467122	0.0141065	0.00571354	8.39E-22
HEPACAM2	0.0463417	0.0133969	0.00766743	0.0668591	0.0143969	0	0.0423292	0.0494216	0	0	0	0.0198952	0	0.00968808	0
HEPH	1.90475	1.22366	0.946251	1.29362	2.14566	5.53009	1.46093	1.02084	3.39407	3.22405	5.79962	0.991835	1.58856	2.33552	5.32477
HEPHL1	0.976123	0.282936	0.32172	62.7319	2.57341	3.0862	0.199812	1.10252	6.0956	29.8328	13.9474	20.3021	89.4251	18.3476	5.09352
HEPN1	0.139819	0	2.58E-07	0.0167014	0	0.0221393	1.07E-06	0.00468768	0	0	0	0	0.0381756	0.0535785	0.0465495
HERC1	8.25548	8.2656	9.22822	5.4347	6.15987	6.5691	8.5721	6.81437	4.11183	4.84147	3.4864	4.86639	5.35489	5.57143	7.42935
HERC2	6.83761	6.7347	6.58102	6.26005	9.83671	8.18106	7.48382	5.11736	3.42454	3.37189	2.45346	5.51579	4.75688	4.82506	6.10228
HERC2P10	0.290195	0.0699102	0.150044	0.0752074	0.50712	0.0617743	0.207085	0.161188	0	0	0	0.0259553	0	0.0758343	0
HERC2P11	0.0505307	0.0973858	0.0752446	0.218708	0.298268	0.215131	0.0576943	0.053889	0.0123081	0.0761054	0.0456343	0.0506185	0.00652043	0.0633829	0
HERC2P2	4.21685	5.69706	4.26843	5.06106	9.3083	4.49589	5.87794	2.74835	2.92329	3.03377	2.58495	7.1399	2.05392	6.14629	6.48242
HERC2P3	7.75887	6.63019	7.43544	2.20754	2.02901	2.66539	3.02187	4.60474	0.474795	0.539548	0.234738	1.69642	0.1596	1.14059	3.72407
HERC2P4	0.239411	0.352916	0.144155	0.0482214	0.251222	0.0387597	0.0655768	0.25281	0.245158	0	0	0.244617	0.0151854	0.662906	0.161367
HERC2P7	1.23325	1.66881	1.67144	1.00049	1.89528	0.904868	0.838857	1.18928	0.239674	1.05386	0.473934	0.459985	0.126971	0.905111	0.998598
HERC2P9	7.69921	5.78878	5.08707	1.90486	4.42885	2.46646	3.32383	4.39471	0.801952	0.929519	1.62145	3.05355	0.621584	3.0122	3.91627
HERC3	6.00997	6.7031	7.96101	3.49527	3.11939	4.20215	5.6555	6.08666	5.18333	8.98787	4.1978	4.21717	8.80947	4.32918	3.95313
HERC4	3.54243	3.7236	4.01698	7.99929	2.43385	4.61152	3.0594	3.12802	5.11169	5.93283	4.65689	5.14522	7.43528	6.16353	4.59277
HERC5	1.21702	0.621243	0.57687	2.6846	0.562025	5.41663	0.383065	0.561254	0.344509	0.429346	0.824316	0.178869	0.602704	0.319752	0.821934
HERC6	2.10661	2.56616	1.25536	9.19274	2.78239	13.5143	0.808551	1.52313	3.39185	0.784244	1.26295	0.400254	0.82549	0.656252	1.00846
HERPUD1	15.9064	11.1679	12.4715	14.1089	10.3434	26.3596	17.6527	11.9532	19.5188	18.8307	26.71	11.6828	16.5552	10.8308	14.0243
HERPUD2	5.8295	5.94319	6.1779	6.61396	4.69439	7.09687	5.35744	5.04649	6.78973	7.41644	8.63672	5.10441	10.1341	5.96881	4.70563
HES1	11.9596	13.1351	12.4099	10.7903	15.8216	19.5711	9.11546	11.8676	13.0414	11.75	12.6962	17.4662	15.9027	10.5226	6.50623
HES2	5.01976	8.5567	3.46058	12.5854	17.9661	7.75288	2.73544	3.83349	8.77327	14.9803	6.00399	12.6839	14.1116	5.00859	2.68387
HES3	0	0	0	0	0	0.0282726	0.0758221	0	0	0	0	0.0712746	0.0856917	0.0173538	0.0476849
HES4	3.38245	2.44457	2.96388	2.36202	8.05399	3.65698	2.89648	1.08771	1.97841	9.04924	6.65701	2.21324	8.16938	5.10572	5.4009
HES5	0.567058	2.02351	1.56859	0.730462	8.97353	0.814797	2.36723	0.519702	9.90598	6.3832	4.58099	6.39049	4.48182	2.07458	0.99251
HES6	0.366087	0.29909	0.131675	0.738123	1.16204	1.17911	0.16356	0.0707277	0.523392	0.499431	0.772628	0.535279	1.16045	0.499129	0.365737

HES7	0.0412777	0.0331471	0.0455305	0	0.106864	0.0702949	0.172808	0.0122281	0.0167572	0.0345385	0.0310649	0.00984511	0.0355096	0.0431471	0.0988001
HESX1	0.138109	0.304196	0.212184	0.121993	0.183883	0.184796	0.0450537	0.245479	0.0480573	0.123815	0.289542	0.112938	0.0254591	0.134051	0.0850034
HEXA	7.56284	4.5921	4.8052	8.43466	7.73197	17.2355	7.54568	5.39479	1.88341	6.68185	15.6857	2.39984	5.02311	5.21919	9.76746
HEXA-AS1	0.0867363	0.11766	0.0647211	0.126427	0.0676752	0.148185	0.0595138	0.0616384	0.105327	0.0765352	0.0391823	0.0252088	0.106543	0.0545243	0.0125176
HEXB	10.7248	6.97096	8.20829	18.141	5.95399	25.0286	8.77988	8.79327	12.5534	20.3115	34.5585	7.252	22.5622	12.0321	16.8569
HEXDC	1.73995	2.15163	2.24726	2.54943	6.03796	3.08223	1.32395	1.03927	0.951245	0.622058	1.45057	1.10255	1.28809	1.14715	1.36058
HEXIM1	6.5052	7.1588	7.76626	6.60412	8.79759	10.3616	7.00774	5.54488	12.8234	6.13111	5.07225	5.65133	6.16618	4.87867	5.31365
HEXIM2	1.48171	2.22039	2.27117	1.14755	3.54387	1.63859	2.22666	1.58568	0.553533	0.674913	0.924186	0.682185	0.54397	0.848728	1.62808
HEY1	0.772033	0.618521	0.668387	0.536569	1.2829	1.91862	0.52274	0.646228	0.491991	0.642232	1.28703	0.783652	1.04835	0.999363	2.46243
HEY2	1.85352	0.479913	0.40842	0.374881	1.00905	2.27888	1.02848	0.469545	0.305907	0.869668	2.34661	0.340857	0.704118	1.014	2.03996
HEYL	1.6595	0.712841	0.61895	0.979723	1.64279	3.50148	1.44516	0.634926	0.431622	1.39092	2.81324	0.945911	1.21588	3.61044	4.4272
HFE	0.807007	0.958307	0.713352	1.25885	1.49949	1.84988	1.19667	0.885139	0.380544	1.30642	1.85772	0.2981	0.685437	0.842086	1.16633
HFM1	0.0563205	0.0248748	0.050475	0.0193467	0	0.0999088	0	0.0542241	0	0.017672	0.0688771	0.00335824	0.0181689	0.0245296	0.161767
HGC6.3	0	0.0219501	0.0753762	0.023474	0.212298	0.058187	0	0	0	0.0285895	0.0257142	0	0.0293933	0.0119051	0.0327129
HGD	0.103626	0.0887616	0.0952516	0.0474619	0.0357703	0.107844	0.0657313	0.102326	0	0.0578048	0.0389935	0.0164771	0.0148575	0.0782301	0.231497
HGF	0.533164	0.125456	0.158991	0.552636	0.173342	1.57046	0.18758	0.278239	0.0302016	1.61458	2.69095	0.117553	0.563992	0.91535	2.59534
HGFAC	0	0.020901	0.026915	0	0.0336918	0.0092343	0.0247647	0.00963806	0	0	0	0.0310393	0	0	0.046724
HGH1	0.644641	0.914169	0.756444	2.02123	2.82651	2.46813	0.76213	0.613535	0.907598	1.03288	1.4348	1.12534	1.72266	1.62723	0.794468
HGS	9.77272	12.295	11.7373	20.7039	26.0547	27.9942	11.7983	8.10386	18.8536	18.1788	11.6915	19.9026	29.7781	17.3701	13.8447
HGSNAT	8.62681	9.72463	10.4738	9.01617	7.1071	13.2156	9.92472	7.5969	6.30606	8.81664	12.1831	7.05348	9.38816	7.50243	12.4331
HHAT	1.49536	1.62391	1.45452	1.02935	2.52243	1.21857	1.14713	1.27704	0.875021	0.42522	0.507742	0.706348	0.316575	0.454881	0.889211
HHATL	0.0115773	0.00557813	0.00957757	0	0	0	0	0.010289	0	0	0	0	0	0	0
HHATL-AS1	0	0.0112406	0	0.0240419	0	0.0198649	0	0	0	0	0	0	0	0.0121931	0
HHEX	2.10511	0.950882	1.14286	1.58636	1.41017	2.95758	1.0816	1.22774	0.336497	1.83298	5.55485	0.593091	2.73339	1.69847	2.05956
HHIP	0.04557	0.0125465	0.0269277	0	0.0303368	0.0110864	0.0297316	0.0289277	0	0.00817072	0.00734898	0	0	0.0170121	0.0467459
HHIP-AS1	0.0613332	0.0689529	0.0338261	0.0210685	0.0635144	0.0696325	0.0233427	0	0.024899	0	0.0461583	0	0	0	0.234886

HHIPL1	0.165625	0.198906	0.253584	0.292961	0.698862	0.780916	0.355631	0.118634	0.0391384	0.322675	0.418591	0.0760583	0.338127	0.295865	0.972736
HHIPL2	0.0359643	0.0389884	0.0446284	0.0277967	0.0279325	0.191395	0.0821258	0.0399526	0.0109501	0.0338542	0.0405993	0.0321668	0	0.0563896	0.154948
HHLA1	0	0	0	0.00580989	0	0	0	0	0	0	0	0	0	0	0
HHLA2	0.0494827	0.0956624	0.168495	0.0225784	0.022175	0.0361062	0.0993205	0.155963	2.32E-13	0.0383408	1.14E-39	0.121089	0.00747098	0.0285244	0
HHLA3	0.827407	1.07872	1.14753	1.78057	1.09624	2.79738	1.05585	1.27601	1.57081	0.916306	1.42853	1.11441	1.3503	0.674096	1.46785
HIBADH	4.37842	3.10857	3.1526	3.37809	2.28506	6.26292	2.67149	3.22205	1.70694	2.92214	5.16498	1.06087	3.16123	2.51234	4.22524
HIBCH	5.00099	7.68872	7.12902	9.54482	3.31867	8.28286	2.65739	5.59009	6.99193	5.67755	7.80133	6.28563	4.30471	5.53941	2.69113
HIC1	3.05772	1.56403	2.43965	2.62839	6.76434	7.1013	3.65667	1.29433	2.24143	2.8465	4.4415	1.10431	3.50619	2.61679	5.44227
HIC2	0.906407	0.592062	0.776289	0.379934	0.787413	0.791604	0.61171	0.67792	0.223959	0.387554	0.304347	0.236355	0.825714	0.495982	0.754454
HID1	2.71457	1.8818	2.5493	0.456725	3.00114	2.09325	2.60128	1.82167	0.91928	0.756158	0.82864	0.460811	1.00528	0.821572	0.934834
HID1-AS1	0.139416	0.0671727	0.138402	0.0287344	0.0433122	0.379875	0.0955084	0.0743408	0	0.104989	0.18886	0.0598535	0.0899505	0.014573	0.160175
HIF1A	16.727	12.5719	10.3688	81.9532	10.6985	51.8818	8.56526	13.1627	36.9463	61.5801	61.5373	29.6423	87.2188	57.2723	53.0202
HIF1A-AS1	0	0.0362129	0	0.0773826	2.11E-34	0.130422	0	0	0	0	0.264367	0	0.0242297	0.0396004	0
HIF1A-AS2	0.105955	0.102204	0.110042	0.668741	0.0180962	0.195293	0.107697	0.334188	0.0810346	0.585546	0.325037	0.379747	0.323748	0.869188	0.660675
HIF1AN	5.09937	7.0579	7.7945	6.25914	6.70406	7.6834	8.99914	5.08239	7.90274	3.89561	3.69281	3.85477	4.84332	4.53934	3.67369
HIF3A	2.4323	0.547593	0.703662	0.0783299	0.258627	0.604063	1.54147	1.41856	0.00881628	0.0227142	0.0653753	0.0129492	0.00467056	0.00756683	0.233912
HIGD1A	10.2875	8.04811	7.67701	33.0858	3.96559	13.5201	6.19298	12.8524	36.0091	40.6567	50.0794	19.2536	40.1883	18.3435	7.00631
HIGD1B	0.658802	0.386439	0.299586	0.203357	0.204291	0.254438	0.496322	0.475491	0.379092	0.458224	1.06962	0.282254	0.147696	0.677784	0.448019
HIGD1C	0.0320098	0.0308456	0.0794422	0	0	0	0.0365477	0.0568952	0	0	0	0	0	0.0167297	0.04597
HIGD2A	17.3613	13.2674	14.3591	25.9402	12.5901	35.1134	20.6097	12.679	9.82387	15.062	34.7306	11.9568	14.99	14.5514	15.1608
HIGD2B	0	0	0.0171402	0	0	0.0176419	0	0	0	0	0	0	0	0	0
HIKESHI	3.56163	3.37417	3.46858	7.04645	1.86749	6.66678	3.39737	2.03005	7.39415	8.3557	13.5718	3.52695	5.45881	4.24131	3.53946
HILPDA	4.11396	3.64846	3.93216	12.9552	4.42999	7.60611	3.05036	2.94239	15.7696	10.2446	23.1095	6.12187	8.50222	11.4103	2.80108
HILS1	0.154434	0.0637789	0.109508	0.0227355	0.17135	0.0939276	0.100759	0.0392138	0	0.0553802	0.174337	0.0473579	0	0.19602	0.348522
HINFP	1.97162	2.08462	1.75404	2.20919	2.89246	2.69143	2.00994	1.7383	2.67754	2.40584	2.59666	1.61788	1.39323	1.82374	1.22473
HINT1	29.453	20.1764	19.2959	54.1338	13.1634	41.5643	19.7096	18.5563	35.7102	61.3493	110.454	30.9558	49.9975	38.8762	18.1483

HINT2	8.80288	5.16488	5.43241	7.46214	9.97975	12.4825	6.64652	4.25863	7.13287	7.08353	16.629	4.72402	6.02309	4.24829	3.10954
HINT3	3.38345	3.32309	3.69993	3.7973	2.71294	4.0765	2.23654	3.70692	7.60737	4.195	5.49728	2.75419	4.12292	2.29812	1.741
HIP1	2.93604	2.64347	2.71942	3.88296	3.22378	5.98778	3.73024	1.98513	0.985098	2.47477	2.74253	1.31816	3.71433	3.07503	5.9238
HIP1R	6.46275	7.67619	8.14657	10.5772	18.6278	9.11553	8.82881	6.34143	26.967	9.378	5.87635	13.8487	15.1029	7.76408	3.5205
HIPK1	8.697	9.91092	11.5457	9.06914	5.48417	9.49845	10.3184	9.4903	14.6064	8.57868	8.52725	9.20487	10.9945	7.7522	7.93964
HIPK1-AS1	0.0811681	0.124778	0.117509	0.0731903	0.0945616	0.0518352	0.115844	0.0721354	0.271949	0.0382029	0.0343607	0.0653377	0.0393305	0.00530275	0.0582838
HIPK2	4.57237	4.461	3.32111	6.11546	7.37637	12.0843	4.47429	4.51474	7.49963	7.2499	5.00205	8.73937	11.7119	6.35893	5.93994
HIPK3	16.2626	12.1221	12.8618	16.8179	8.34813	21.9667	11.8293	14.8636	18.9578	20.8487	21.9515	14.2555	28.1775	14.621	16.2591
HIPK4	0.121022	0.165959	0.0847149	0.00959356	0.173528	0.103048	0.212582	0.157194	0.0340132	0.0116842	0.0630546	0.0399665	0.0420444	0.0389238	0.280758
HIRA	3.41408	4.06793	4.23178	4.48703	5.63469	6.98279	3.8915	2.85989	4.42486	3.50329	2.539	3.883	5.34314	4.44278	3.2963
HIRIP3	1.53376	1.86942	1.65199	1.73708	3.33779	2.92874	1.31773	1.1269	1.00795	0.628968	1.14	1.07571	0.935686	1.0913	1.0032
HIST1H1A	2.16318	1.29925	0.857996	13.7723	1.56501	17.7632	3.07885	1.21141	1.84055	11.1204	30.006	3.54089	13.8229	7.4339	3.02149
HIST1H1B	16.9032	15.4698	12.7718	100.621	20.2043	76.2298	33.9498	12.4187	25.0816	72.3231	173.983	33.2657	88.2676	48.8263	23.3496
HIST1H1C	104.144	79.8522	79.747	206.468	101.414	163.921	123.24	83.1977	64.4188	105.593	203.58	76.4405	118.414	68.2276	67.517
HIST1H1D	24.394	24.8702	25.7985	70.6893	24.6138	48.9226	29.2126	24.8823	10.157	31.4021	71.4168	17.4759	34.5718	20.7664	13.517
HIST1H1E	114.389	109.646	117.946	161.387	141.14	132.771	159.587	103.86	97.6982	79.6292	150.33	78.5784	84.4169	62.8507	46.7426
HIST1H1T	0.0319215	0.061521	0	0.131584	0.19834	0.0815421	0.0728938	0.0283691	0.11663	0.200323	0.0360353	0.114203	0.0411911	0.0500506	0.0916865
HIST1H2AA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIST1H2AB	2.66849	2.17403	1.32454	23.6496	3.61752	18.4253	4.81947	2.0697	3.66354	20.9479	77.7744	8.22766	16.5283	12.9831	6.6194
HIST1H2AC	51.9235	63.9224	67.7108	93.6074	51.9485	106.651	87.4508	37.9333	88.5318	87.1939	221.781	55.9868	69.0253	55.7371	41.6367
HIST1H2AD	6.56201	5.88067	5.55192	21.4724	2.48409	19.001	8.84196	6.65434	4.94287	19.2765	42.9724	8.03437	14.5889	11.1832	3.75534
HIST1H2AE	26.0975	21.3326	21.8952	65.9669	9.94338	57.0915	39.0738	22.391	27.436	49.3385	128.59	32.796	52.0759	39.332	15.3217
HIST1H2AG	13.7557	13.4122	12.4946	67.2386	11.1168	54.6466	31.6239	12.5553	16.2435	42.9288	132.779	25.7703	46.7143	36.0924	18.8873
HIST1H2AH	5.72562	5.28556	3.82115	26.5271	4.33483	31.1363	13.4043	4.14773	6.68017	22.5249	70.5555	12.8413	26.9765	21.3496	8.8446
HIST1H2AI	12.3338	8.87175	8.58063	51.804	11.8755	47.9463	27.0876	8.57681	11.7003	43.6981	121.977	20.245	46.8203	31.3577	12.6543
HIST1H2AJ	8.2794	6.75269	4.09098	40.2716	3.36317	31.8206	16.7465	4.70498	8.49486	30.0686	93.7486	17.224	28.687	27.8039	10.9351

HIST1H2AK	4.77954	2.64223	3.16318	11.51	2.73526	13.5372	5.16991	3.62169	3.43129	8.20891	24.3082	3.38389	5.42089	6.15296	2.89012
HIST1H2AL	4.53013	3.17913	3.50323	30.4463	4.2833	29.6009	12.4249	3.63215	4.97746	22.7431	71.095	12.5429	25.3205	18.0147	10.1831
HIST1H2AM	11.2626	8.15121	7.46952	41.7245	6.86503	32.2903	17.417	10.5161	10.7071	23.7385	62.2294	13.2272	22.5356	19.8695	11.1243
HIST1H2APS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIST1H2BA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIST1H2BB	4.29569	3.13047	1.86569	23.8496	1.58477	16.9627	5.14992	3.48361	6.4088	21.4988	52.0694	7.68421	15.6247	12.6849	5.55224
HIST1H2BC	46.973	42.897	42.4	102.423	28.3982	92.4113	64.1294	42.7788	85.0074	86.2786	188.307	67.9392	70.0225	60.1465	35.5887
HIST1H2BD	18.7079	16.6678	17.3888	41.19	6.13766	36.9632	25.4725	15.4556	35.5838	33.3988	73.8246	27.9069	32.6904	28.3779	11.6578
HIST1H2BE	8.61879	6.56224	6.07377	34.9794	2.56189	31.5749	14.7002	7.94336	7.25699	21.5014	48.5877	15.189	21.5438	16.7948	8.78662
HIST1H2BF	4.73625	5.24509	4.21336	30.6819	3.51131	17.4146	11.1841	6.36161	6.48925	15.1092	42.5777	10.9755	19.7724	13.7552	5.41057
HIST1H2BG	17.5137	16.2991	16.1271	53.2856	8.42052	33.5535	21.0083	14.5456	21.7106	51.0284	122.92	30.8066	43.2147	32.0642	14.6719
HIST1H2BH	10.1285	11.7541	10.271	56.6217	5.24435	44.1414	18.3414	9.04975	14.4576	30.7555	72.7214	18.079	31.2338	26.4395	9.14977
HIST1H2BI	9.16189	9.13488	9.55088	36.8192	4.52449	28.3189	17.0516	10.778	10.9647	29.4457	75.8062	13.869	23.7815	17.0777	9.9633
HIST1H2BJ	11.7399	8.57744	8.47818	42.4433	3.58744	40.8459	21.0403	7.78234	10.8406	27.356	71.6418	14.7693	23.3445	23.6631	10.7794
HIST1H2BK	24.0039	23.4202	22.7502	60.976	18.8459	72.2917	43.0173	21.7038	40.8008	55.3757	82.7851	38.944	65.0131	32.5773	24.693
HIST1H2BL	4.24034	3.83997	3.88828	20.3936	3.65047	15.1819	11.1996	3.81386	4.85316	14.4914	35.9299	8.33457	12.5256	11.4814	7.33694
HIST1H2BM	4.51445	3.62522	2.79027	31.3895	2.2569	21.0757	10.0719	3.04364	5.81408	16.7378	37.8411	11.2872	24.239	16.3263	7.97374
HIST1H2BN	9.22629	7.69868	7.93112	31.3922	4.96403	31.2048	14.4773	6.82533	7.34459	12.8091	35.3772	10.9167	12.9489	13.4425	13.5462
HIST1H2BO	3.71676	3.04997	2.47499	25.4851	2.30937	19.6638	7.52546	3.34719	4.34554	12.0249	29.0101	10.9215	13.1924	11.6812	4.98189
HIST1H3A	7.20445	6.32426	5.47016	40.1222	4.29244	38.5717	10.3104	5.52563	6.6708	27.994	72.9178	11.4398	22.8911	17.1246	7.51184
HIST1H3B	24.0747	17.9781	16.0222	105.201	16.5275	107.214	49.6569	15.8615	26.215	94.6486	250.463	45.9596	69.5024	53.0719	28.096
HIST1H3C	7.71435	6.38917	4.46313	58.5588	6.57893	46.2812	17.9038	6.45259	7.36879	34.6158	120.212	15.874	31.2299	24.5601	12.9615
HIST1H3D	9.18167	7.62793	7.15325	33.9186	10.9978	21.2518	13.9248	7.34712	7.515	30.6095	99.0882	16.0481	24.2495	19.6796	9.25189
HIST1H3E	5.1095	5.06849	4.72423	16.3643	3.8906	15.1421	7.43532	3.24986	4.69761	10.3739	31.6109	5.48398	7.59517	16.7558	2.94955
HIST1H3F	9.53533	7.77676	7.3542	59.2145	9.95159	52.5634	22.2846	5.34052	13.1251	44.6923	118.406	18.6205	36.4002	23.4384	9.62856
HIST1H3G	7.78043	4.67994	4.18169	48.3631	9.00653	44.0959	17.5971	4.88866	7.00114	28.1761	94.3208	15.4602	24.5239	21.886	10.889

HIST1H3H	11.0089	9.59477	8.86444	48.3042	12.2364	33.4127	19.0499	8.00093	11.5007	26.222	79.4815	18.8351	30.053	23.603	9.34553
HIST1H3I	8.87878	10.1221	9.47244	56.049	10.8526	42.5518	21.6045	8.79621	11.1088	33.6749	99.9017	18.4688	29.8949	24.0897	16.1653
HIST1H3J	3.72806	2.58938	3.00401	22.5523	2.10581	13.687	7.8498	2.71079	3.71484	19.081	43.7249	6.99794	15.5878	13.209	8.06572
HIST1H4A	3.91939	3.74687	3.96293	17.0537	4.34869	11.813	7.67148	2.87504	3.86416	10.0727	37.222	4.18438	7.9877	6.89317	5.18201
HIST1H4B	24.1803	29.7976	27.7262	81.9036	45.4148	70.765	40.1911	17.3413	42.0811	75.5871	195.759	37.3864	51.4456	47.332	24.2988
HIST1H4C	55.306	33.452	33.6275	77.7252	16.4076	44.9196	63.1466	31.9062	24.9334	86.1725	229.303	33.0765	55.2476	45.4049	20.1975
HIST1H4D	23.7106	24.2155	25.2492	64.4004	21.256	41.6672	41.976	20.0632	17.5872	50.1791	127.14	25.4032	35.641	28.7723	14.7616
HIST1H4E	83.5483	77.1378	79.2738	111.593	106.608	92.5712	101.14	74.469	83.7345	127.745	362.987	60.0885	61.0737	63.9108	43.3748
HIST1H4F	25.0297	34.4823	33.8689	69.6693	13.5786	57.7257	44.1597	18.835	30.56	48.0695	148.873	23.8042	39.4394	30.3375	20.4115
HIST1H4G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIST1H4H	39.665	31.842	29.5374	58.6037	28.1634	56.1147	47.2664	31.5114	31.4262	51.5699	116.797	28.7798	33.0974	30.6917	26.127
HIST1H4I	5.31665	3.64657	3.88086	22.5604	7.67563	9.58671	6.85595	3.94676	2.97092	10.5197	42.2247	3.58043	4.96381	8.56497	10.0607
HIST1H4J	25.8975	25.6795	18.5605	88.6323	26.2611	61.8451	29.8701	24.2782	38.9183	54.7071	171.203	30.9065	48.7708	33.5364	35.5567
HIST1H4K	41.1623	40.5444	41.7995	149.092	34.3183	93.8955	71.7757	33.9758	68.6678	104.742	363.629	45.1669	56.024	66.1486	27.4291
HIST1H4L	3.24257	4.28872	2.78768	18.87	1.2839	12.5599	7.11415	3.44677	5.49775	20.9074	56.6294	8.27974	20.1825	18.6418	3.37842
HIST2H2AA3	22.7296	19.4572	20.9178	51.144	16.2538	64.6039	27.0457	18.7347	17.7222	36.7009	69.2251	28.7105	49.9493	31.9184	17.4293
HIST2H2AA4	22.7296	19.4572	20.9178	51.144	16.2538	64.6039	27.0457	18.7347	17.7222	36.7009	69.2251	28.7105	49.9493	31.9184	17.4293
HIST2H2AB	15.4459	10.4538	10.9831	19.0051	10.0305	19.882	18.4024	11.202	7.36098	17.3763	49.1605	7.94707	11.1988	10.5296	9.71866
HIST2H2AC	93.7455	71.9267	82.2022	85.3254	33.6656	114.462	92.4984	70.2386	58.0453	62.2923	177.154	38.3349	55.7163	46.263	38.0178
HIST2H2BA	0.575816	0.571476	0.511766	0.901268	1.17592	1.0237	1.18018	0.420929	0.590463	0.862421	2.53259	0.0689468	0.27878	0.47291	0.80679
HIST2H2BC	1.43153	2.55108	2.33563	2.25742	1.97659	1.62524	3.35975	2.01435	1.8943	1.34754	1.61671	2.93063	1.87289	2.03671	1.19925
HIST2H2BE	12.2631	14.2684	14.0601	23.4666	8.35658	24.3211	16.8056	14.7223	27.1995	19.4547	21.3104	28.734	17.5997	13.1117	7.14265
HIST2H2BF	16.0995	13.0098	14.8878	32.8159	7.72911	28.3794	21.3267	15.5795	14.3136	18.0166	47.0553	12.5013	19.3847	16.6086	10.6769
HIST2H3A	5.10807	3.56545	3.73583	31.4775	4.89808	28.7252	10.0037	2.73267	6.51067	16.6138	43.9796	9.52126	16.9441	12.557	5.92739
HIST2H3C	5.10807	3.56545	3.73583	31.4775	4.89808	28.7252	10.0037	2.73267	6.51067	16.6138	43.9796	9.52126	16.9441	12.557	5.92739
HIST2H3D	6.75483	5.11276	6.88238	18.2856	6.18957	24.6999	14.2371	3.17533	3.85762	14.495	41.5648	6.73809	12.6346	13.1185	5.40547

HIST2H3PS2	0.413442	0.605389	0.521059	0.622453	0.501733	0.629822	0.438863	0.522443	0.334372	0.210808	0.430261	0.693348	0.264667	0.415284	0.658697
HIST2H4A	10.0959	9.42598	10.721	41.6915	8.60147	40.9547	18.2165	7.89464	7.56243	22.6104	63.3513	10.036	24.6035	18.5633	10.5332
HIST2H4B	10.0959	9.42598	10.721	41.6915	8.60147	40.9547	18.2165	7.89464	7.56243	22.6104	63.3513	10.036	24.6035	18.5633	10.5332
HIST3H2A	2.28631	2.38301	2.77919	3.65437	3.18904	4.80731	3.40955	2.65389	6.13719	3.22093	6.42606	2.80443	3.22117	2.04844	0.402053
HIST3H2BB	4.09612	4.44053	4.02396	7.17598	2.94274	4.62132	11.2828	5.36942	7.60763	4.1771	6.58921	6.0083	3.30349	1.92673	1.32357
HIST3H3	0.0962289	0.162276	0.159215	0.0495833	0.149477	0.0819376	0.164807	0.213801	0	0.0603886	0	0	0	0.100587	0
HIST4H4	34.7146	31.1515	35.1312	66.1073	24.5187	47.4475	48.1019	24.162	54.5242	52.1716	125.428	25.4019	40.4825	36.5216	23.1525
HIVEP1	4.19882	4.73973	5.43903	4.00449	2.05389	4.01937	3.737	3.71765	2.21381	4.15377	3.61531	2.6946	4.64073	3.86557	7.07873
HIVEP2	4.60767	5.53864	6.10358	7.37267	4.00749	7.80215	6.86415	4.46929	6.47539	6.30883	5.38686	7.19155	8.60067	5.81145	9.1875
HIVEP3	1.89539	4.93425	5.54226	5.50834	3.3797	4.27068	3.38279	4.3831	0.609042	0.905463	1.06798	1.65419	1.68942	1.19799	3.1529
HJURP	0.2032	0.321688	0.246149	1.99682	0.180366	1.7364	0.455729	0.174138	0.212121	1.26608	1.9498	0.451764	2.00401	1.42993	0.448154
HJV	0.0731383	0.00503416	0.0172872	0.0107673	0.0162299	0	0.0119296	0.046428	0	0	0	0	0	0	0
HK1	17.5212	18.1869	19.8492	18.7488	21.3633	31.6485	20.6848	15.1994	32.6274	19.0472	11.4462	17.9209	34.1585	16.6473	13.0501
HK2	4.71475	5.29315	5.11772	25.4097	10.4051	22.6843	5.29374	5.9241	68.8249	52.8643	53.5478	52.0294	82.1406	57.0076	9.36222
HK3	0.188584	0.0981318	0.031202	1.69466	0.64446	2.20312	0.198094	0.147486	0	1.01304	1.1496	0.0431798	0.467226	0.208952	1.14832
HKDC1	0.156838	0.0211588	0.0207596	0.0581855	0.0487248	0.122862	0.0143258	0.0501785	0	0.125983	0.0141641	0.0673332	0.161906	0.0393458	0.0630671
HKR1	2.96054	2.89299	2.83498	1.81082	2.27674	2.68041	2.40089	2.15002	0.978738	1.22814	1.60289	1.26326	1.29223	1.82152	1.81789
HLA-A	11.1517	11.1116	13.8177	20.6253	22.5064	48.6377	12.5404	10.8029	6.1989	12.2434	27.5431	3.57297	19.5726	5.13746	22.5592
HLA-B	28.1443	22.5017	28.9987	36.693	24.8843	67.8566	20.6399	22.9553	10.829	19.1606	45.439	5.83505	26.1966	12.1988	33.0264
HLA-C	5.76526	9.10285	12.8218	19.8688	10.1071	37.4833	5.30112	4.38135	2.92632	4.94934	11.0336	3.91351	14.3068	3.10971	16.8477
HLA-DMA	1.70287	0.674221	0.90227	1.13721	1.13477	2.04573	1.08962	1.25047	0.197365	1.20423	3.72559	0.196939	1.34265	0.826806	1.61065
HLA-DMB	0.962913	0.490885	0.693804	0.755436	0.588645	1.51815	0.598181	0.70853	0.181582	1.14878	3.05765	0.149652	1.04079	0.474039	1.27878
HLA-DOA	0.266667	0.213073	0.338366	0.205372	0.259444	0.429885	0.173364	0.22181	0.0647228	0.312063	0.776687	0.0590755	0.253486	0.222201	0.357072
HLA-DOB	0.0815292	0.105655	0.146522	0.141962	0.091707	0.14363	0.070618	0.122426	0.037663	0.098799	0.09521	0.0663827	0.0652993	0.0749361	0.0524869
HLA-DPA1	3.26593	1.61669	2.15148	4.40987	1.13944	2.22696	2.33989	2.65681	1.16672	3.45206	9.97011	0.523704	1.46284	0.934224	3.91013
HLA-DPB1	0.907795	0.553958	0.640586	1.4062	1.09639	1.36364	0.699142	0.874003	0.355493	1.0292	2.65542	0.200176	0.904803	0.51511	1.64603

HLA-DPB2	0	0	0.00322914	0	0.00606327	0	0	0	0	0	0.00881283	0	0	0	0
HLA-DQA1	20.039	2.24259	2.19299	3.74356	5.49171	36.8766	9.42055	20.1531	0.596079	8.79852	23.9259	4.11082	3.78513	8.65021	3.98961
HLA-DQA2	0.22058	0.764692	1.25166	1.20351	0.333346	0.0671386	0.0552164	0.464476	0.203085	0.393798	0.91821	0.0524867	1.27717	0.164394	0.915864
HLA-DQB1	6.53152	0.492262	0.571527	0.598656	1.06246	6.88985	3.80977	4.97015	0.171299	1.42943	4.56025	2.70401	0.646989	0.900503	0.497872
HLA-DQB1-AS1	0.341521	0.0249854	0.0217478	0.0167164	0.0108706	0.123998	0.469506	0.393355	0.00832679	0.0754257	0.0372146	0.126932	0.00589843	0.015444	6.22E-09
HLA-DQB2	0.398856	1.97883	2.92066	1.48378	0.484715	0.0379576	0.680421	1.99337	1.25441	0.239437	0.733657	0.364295	0.53685	0.153279	0.279665
HLA-DRA	16.0489	8.45626	11.665	17.9643	9.14763	21.8199	8.07923	12.8456	3.20577	22.5366	59.6246	2.68667	25.1483	10.2303	23.7191
HLA-DRB1	3.84566	1.27723	1.48126	2.14025	3.51549	5.33581	4.67676	2.81125	0.393242	2.57238	5.40277	2.54881	3.08938	2.7423	2.72991
HLA-DRB3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HLA-DRB4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HLA-DRB5	0.165646	4.6815	2.87033	5.62985	1.86418	0.305075	17.1273	0.0746446	0.754042	5.65626	7.27474	9.33821	0.886067	2.19753	5.99815
HLA-DRB6	0.0442788	0.384016	0.598299	1.20161	0.550242	0.0377028	0.556117	0.537801	0.125829	0.46312	0.94972	0.0211218	0.457095	0.964737	1.82291
HLA-E	18.3726	16.1791	19.3326	19.288	18.8214	41.2898	16.2849	13.1205	12.2044	14.312	18.8417	6.66193	19.227	8.5919	13.536
HLA-F	1.50953	1.70276	2.10128	2.04875	1.78043	3.1832	0.859871	1.10085	0.388533	0.865283	2.1026	0.212323	1.12852	0.418592	2.03818
HLA-F-AS1	0.0911415	0.115646	0.175576	0.0656944	0.0750051	0.127713	0.0816595	0.083342	0.00734228	0.0449076	0.0668637	0.0216545	0.00926169	0.0431659	0.123462
HLA-G	0.00211731	0.00101863	0	0.00438474	0.00991527	0.0577122	0.00241259	0	0.00775352	0.333005	0.706218	0.295699	0.0889482	0.12831	0.0151812
HLA-H	0.17161	0.158493	0.140875	0.0403985	0.145755	0.376667	0.152162	0.0867369	0.00977525	0.0883834	0.167809	0.0406703	0.0253233	0.0448502	0.182977
HLA-J	0.014901	0.0358975	0.0354405	0.00191948	0.0318262	0.01586	0.0212668	0.0215194	0.00680538	0.0140267	0.0105133	0.0173258	0.00600876	0.0330985	0.00802487
HLA-L	0.052577	0.046645	0.0593747	0.0232209	0.047965	0.0234502	0.036209	0.0452427	0.0101639	0.0157118	0.00659476	0.028663	0.0145382	0.0414366	0.0874925
HLA-V	0.00632295	0.00266321	0.002241	0.00405083	0.0281311	0.0161691	1.40E-24	1.55E-31	0.00379752	0.0458578	0.0138788	0.0122653	0.0291774	0.0139585	0
HLCS	1.04592	0.801181	0.979719	1.10642	0.835491	1.67492	0.91791	0.869415	0.501651	0.717556	0.947629	0.494224	0.880046	1.25871	1.67443
HLF	4.46193	6.56651	9.65523	0.854706	0.81759	2.84182	6.5058	4.90098	1.62684	0.545505	0.30609	1.27534	0.470799	0.289677	0.841789
HLTF	1.82865	1.36805	1.31794	2.14487	0.538838	2.21346	1.24687	1.19128	0.432903	1.60715	2.79918	0.72011	1.58325	1.43025	2.77379
HLTF-AS1	2.34E-40	1.20E-41	1.52E-41	0	4.82E-10	5.76E-41	0	0	0.0679172	0	1.73E-35	0	0	0	0
HLX	0.954883	0.603333	0.909919	1.96827	2.13044	4.66065	0.833298	0.859789	0.222714	1.69589	3.32442	0.596083	1.63214	1.53451	2.55007
HLX-AS1	0.575891	0.0543396	0.127011	2.05E-36	1.19E-34	0.11314	0.336132	0.21089	1.74E-10	2.00E-34	0.145264	9.21E-43	8.13E-19	1.74E-27	0.0720032

HM13	6.12905	5.20617	4.86184	15.1818	10.2109	15.4699	7.84617	5.22296	17.4739	13.1289	21.4675	10.532	19.2537	11.5061	11.8981
HM13-AS1	0.494022	0.732392	0.911694	0.391619	0.472238	0.453012	1.2149	1.1145	0.323973	0.286176	0.214496	0.761355	0.0245185	0.774593	1.20066
HMBBOX1	4.2146	4.72625	5.27304	3.68333	2.71431	3.89724	4.72141	4.06764	2.29741	2.64799	2.51057	2.81674	2.44379	2.99924	3.98522
HMBS	2.25686	1.51575	1.49362	4.20045	2.95327	5.0779	2.04583	1.17911	1.69913	3.67378	8.27623	2.17269	4.8537	3.89602	1.3161
HMCES	7.36145	6.22953	6.73907	10.2561	6.50103	15.0288	7.25312	4.40576	8.14619	7.78545	8.53511	5.4188	11.251	6.46439	4.34684
HMCN1	4.47815	2.39888	2.30752	1.55051	5.02364	2.04072	4.59939	2.82223	1.26752	5.63011	9.41337	2.12313	1.64305	4.01946	14.7111
HMCN2	2.15277	0.599876	0.824804	0.119273	1.8415	2.8073	7.20586	0.805248	0.0140958	0.0352788	0.0354638	0.128955	0.106678	0.0812305	1.18014
HMG20A	3.70425	2.98451	2.95329	3.54055	2.83352	4.90271	2.63857	2.75993	2.23522	2.68979	4.39007	2.30616	2.6535	2.59693	3.82508
HMG20B	11.0309	11.4604	9.9233	15.4932	25.237	26.8469	13.3621	7.24541	21.3705	13.1481	26.0432	11.9283	11.623	15.6769	10.4073
HMGA1	15.7855	22.8868	26.6523	40.6539	24.5354	44.3531	34.5163	23.0784	52.9658	35.4609	46.2421	29.5728	62.4454	32.3503	9.14
HMGA1P7	0.0105724	0	0	0	0.0492679	0	0	0	0	0	0	0	0	0	0
HMGA2	0.0343879	0.0110457	0.0126436	0.082688	0.0118703	0.120377	0.0218128	0.0441438	0.0604942	0.513129	0.603861	0.177706	0.655746	1.07037	0.433494
HMGB1	17.9256	12.2779	13.2707	23.1865	8.38307	26.6013	9.02848	15.9645	9.5995	20.1872	32.652	9.26958	22.4889	16.8157	11.1422
HMGB2	9.31043	5.76756	5.84906	16.3615	3.63189	17.2146	4.396	6.81854	3.00101	11.6329	25.8727	3.97708	9.41252	7.08325	3.9208
HMGB3	1.37735	1.02535	0.860694	3.79522	1.01007	3.55866	0.944919	1.12426	1.1735	2.89357	4.1374	1.23932	4.34415	3.15135	2.08841
HMGB3P1	0	0.0125571	0	0	0	0	0	0.0463235	0	0	0	0	0	0	0
HMGB4	0	0.00475914	0.0163428	0.0101791	0	0	0.0338335	0	0	0.0123973	0.0334515	0.00706764	0	0.0206497	0.212781
HMGCL	2.90728	3.28694	2.92899	4.5682	4.53836	6.56865	3.23727	2.17444	3.08499	3.90182	7.71749	2.00814	3.5101	3.05399	2.72836
HMGCLL1	0.109967	0.0264919	0.0165404	0	0.0155288	0.0255369	0.045657	0.0444225	0	0	0	0	0.0354751	0.00261243	0.014357
HMGCR	13.3662	15.543	13.9356	30.7818	9.75946	18.8187	14.6519	12.8182	70.5505	29.8442	25.0577	25.6343	34.3403	16.6318	5.32852
HMGCS1	6.40402	7.06575	8.28662	23.4265	2.50881	10.3638	6.65883	7.71737	8.83444	11.9808	8.87523	5.58801	16.4388	10.2873	2.29057
HMGCS2	3.05946	0.682787	1.00153	0.154742	0.626851	1.0788	1.25369	2.47712	0.0228594	0	0.0211887	0	0	0.00490493	0
HMGN1	27.154	23.3788	24.5633	59.7154	17.9746	57.5161	17.9537	24.1953	32.1411	36.2641	63.9717	27.7219	41.1311	31.5561	24.8253
HMGN2	39.8451	29.0631	29.0343	86.8832	25.1954	88.5416	26.6119	29.718	20.6704	35.7444	63.2773	23.1109	28.0657	28.3745	28.1217
HMGN2P46	0.0720593	0.063652	0.119266	0.247531	0.0932775	0.0511313	0	0.0640633	0.0146267	0.0753682	0	0.0171932	0.0154974	0.0188348	0.0862913
HMGN3	6.68301	5.76985	4.67181	7.00621	4.51433	7.80981	2.54512	5.6509	6.6518	7.685	15.2455	7.06152	4.15167	6.39939	4.90488

HMGN3-AS1	0.630258	0.601152	0.67996	0.630813	0.425242	0.51629	0.551007	0.502484	0.283276	0.48601	0.673795	0.382544	0.365576	0.52645	0.444893
HMGN4	5.67993	5.13906	6.04136	9.91309	4.43884	10.7542	4.18917	6.20791	4.01015	7.66024	14.2841	2.9871	8.75573	5.51922	7.61666
HMGN5	0.892629	0.929727	0.531321	0.258311	0.642553	1.00106	0.0249806	0.135441	0.479446	0.382556	0.221195	0.389451	0.210702	0.512042	0.297032
HMGXB3	4.49675	4.12469	4.54248	6.22937	6.83032	10.1349	5.0101	4.00886	2.99799	4.65328	5.28979	3.63161	6.39535	5.84107	5.81928
HMGXB4	2.97794	2.84078	3.1076	3.97213	1.6575	4.64953	2.61691	2.82557	4.00474	3.13634	3.59527	2.57488	5.20209	3.42869	3.36977
HMHB1	0	0	0	0	0.0936176	0	0.0688125	0	0	0	0	0	0	0	0
HMMR	0.228264	0.187878	0.188836	1.08511	0.0915028	0.808015	0.0756652	0.137423	0.134516	0.950074	1.12216	0.310634	1.10694	0.985194	0.190345
HMMR-AS1	0	0.00917007	0	0	5.54E-29	0.0174866	0.0208227	1.05E-34	0	0.0503081	1.45E-38	0.0135894	0	0	0
HMOX1	7.77257	7.13924	7.34515	53.7891	23.2878	30.6497	19.9592	8.77034	130.203	35.8245	108.068	36.4204	17.6458	22.5023	26.4428
HMOX2	3.72162	3.39628	3.87396	14.0286	5.62783	9.46468	3.32059	3.05096	10.5759	18.2817	17.8069	8.35911	37.327	11.1639	6.40659
HMSD	0.185144	0.142729	0.367595	0.0763187	0	0.220707	0.169114	0.164541	0.090194	0.139425	0.250806	0.0264952	0.238908	0.0774116	0
HMX1	0	0	0	0.0111187	0.0167595	0	0.0615944	0	0	0	0	0	0.0139224	0.00563896	0
HMX2	0	0	0	0.0292992	0.0883272	0	0	0	0	0	0	0.0203433	0	0	0
HMX3	0	0	0	0	0	0.0366965	0	0	0	0	0	0	0	0	0
HNFI1A	0.107736	0.126528	0.100268	0.0624516	0.219649	0.143337	0.192202	0.0777943	0	0.0507074	0.0684116	0.09636	0.0521331	0.147807	0.0967016
HNFI1A-AS1	0.0287018	0.0869839	0.0483942	0.010053	0.0439297	0	0.06458	0.0425756	0.0114809	0	0	0.0431266	0.030411	0.0151747	0
HNFI1B	0	0	0	0.00849042	0	0	0.0188138	0	0.0702383	0.0103407	0	0	0	0.00430601	0
HNFI4A	0.00423091	0.00203851	0.0105003	0.00872014	0.0131441	0.0180128	0.0193228	0.00376008	0	0	0	0.00302733	0	0.00442251	0.0182283
HNFI4A-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HNFI4G	0.0253984	0	0	0.00523476	0	0.0951563	0	0.0045144	0	0.00637553	0	0	0	0	0.0145901
HNMT	1.42913	0.739286	0.998979	0.959007	0.35278	2.81582	1.1321	1.02887	0.161909	1.84237	4.15834	0.2497	0.825572	0.599278	3.56388
HNRNPA0	14.7267	14.4391	15.9062	24.2837	27.0558	34.2248	13.35	11.7985	14.8955	13.7745	21.6261	10.4369	24.4686	15.3406	13.1287
HNRNPA1	116.601	79.5784	86.4443	146.281	80.3531	142.693	45.466	76.0241	54.8536	74.0275	85.7097	55.7931	113.249	83.3482	52.2885
HNRNPA1L2	2.68674	1.80831	1.61892	1.43344	1.55971	2.18398	1.45216	1.78148	0.628345	0.840027	1.03178	0.952524	0.613251	1.23354	1.63624
HNRNPA1P10	42.3454	30.0968	33.4585	95.2795	32.8244	77.324	23.7424	45.042	31.2447	44.1857	47.2013	36.0017	74.4078	37.5686	34.0437
HNRNPA1P33	3.71484	7.36631	5.86377	4.91793	4.90819	2.03604	3.70521	7.05826	4.73227	5.78794	2.2173	10.0518	6.58431	8.07859	0.981147

HNRNPA2B1	28.9242	28.1313	29.3397	54.1571	24.1122	51.8901	14.247	27.6906	19.1864	29.7384	32.6827	26.6335	41.2862	41.657	29.4205
HNRNPA3	19.5702	17.8502	18.3608	27.9013	9.65863	24.2444	9.5236	18.507	12.1959	15.5033	16.1339	12.8199	20.1769	18.7763	13.838
HNRNPA3P1	0	0.0074228	0	0	0.0119591	0.0131111	0	0	0.00937646	0.019326	0	0.00551081	0	0	0
HNRNPAB	22.5058	26.2374	25.8191	58.0603	35.0385	60.9628	23.223	20.4657	48.5954	31.3182	40.9867	25.9422	61.4951	35.7346	22.0722
HNRNPC	26.0547	20.7989	21.9486	59.4348	19.8266	40.9152	18.605	25.3952	25.1162	34.5503	49.3739	21.5718	49.5019	38.2318	22.1948
HNRNPCL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HNRNPCL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HNRNPCL3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HNRNPCL4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HNRNPD	23.6967	21.9313	23.6417	30.0948	8.93552	34.8986	12.5622	21.169	12.638	16.3832	18.0112	12.7002	24.4516	20.8679	16.6256
HNRNPDL	21.2239	15.1325	16.7103	17.731	6.96965	12.4084	9.10044	15.3298	8.76449	11.7831	14.2107	10.7433	16.2682	13.4173	11.9714
HNRNPF	14.9823	19.3924	22.3678	40.5634	15.5897	37.0614	16.2199	14.6704	23.375	20.3475	26.8385	15.9547	39.4299	22.4605	16.2778
HNRNPH1	22.8689	25.9373	25.1547	30.3056	17.9056	23.3167	13.0349	18.7255	14.5461	24.3784	22.0489	21.7589	28.9639	27.8878	19.2937
HNRNPH2	4.23119	4.14435	4.27353	10.38	5.81657	9.7334	3.10668	3.97484	10.8485	7.26527	9.65396	5.16785	12.1863	4.99077	3.88282
HNRNPH3	7.50022	7.87945	8.51785	10.87	4.31871	8.8583	4.05493	7.23636	5.0167	5.42861	6.44749	4.07425	8.1811	8.19945	5.56209
HNRNPK	45.7322	45.1353	46.3807	82.9517	24.9361	93.3817	39.5909	38.6614	54.9125	59.1908	66.5883	41.3438	95.7119	55.1327	39.884
HNRNPKP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HNRNPL	34.1722	31.6349	32.6411	63.4086	36.9153	68.16	30.9642	24.3592	46.7124	40.6314	51.7695	37.0142	69.3577	37.8518	30.943
HNRNPLL	3.94234	3.24415	3.49478	4.36127	2.64141	5.28528	2.82959	2.50065	3.15752	4.83316	7.44607	1.62594	4.70826	4.05712	4.17234
HNRNPM	20.7461	20.5547	20.0968	40.5146	26.5255	43.4408	12.39	14.6299	19.5247	19.9447	20.7636	16.076	44.2071	25.8427	18.2447
HNRNPR	7.86099	6.88648	7.65829	10.6836	2.97131	10.3581	4.62086	8.29255	4.422	6.50224	7.26119	4.1927	10.9648	7.58763	6.85499
HNRNPU	20.5476	22.2597	23.5599	35.5212	17.1187	41.5121	13.876	19.4692	15.9747	19.8066	16.7608	16.4461	33.6695	23.6144	18.8559
HNRNPUL1	25.2173	22.9752	24.7864	29.9862	30.6049	51.2616	28.4704	23.3837	24.7373	21.6052	21.1198	19.5487	36.9236	19.9513	21.8832
HNRNPUL2	9.07083	11.5264	11.941	12.966	8.34125	17.1749	6.54724	7.08802	7.12962	7.09346	5.26359	6.85663	12.8077	9.46658	7.41516
HNRNPUL2-BSC2	8.48326	6.56972	6.373	10.8189	19.2044	16.4864	8.41294	5.28006	9.83919	7.6648	6.24832	6.70442	11.0383	6.47255	5.72462
HOGA1	0.205292	0.283577	0.169944	0.242272	0.131155	0.587528	0.351326	0.12445	0.0908481	0.128733	0.252625	0.109412	0.0601603	0.161155	0.0937367

HOMER1	1.94827	1.68605	1.50518	3.15265	2.20931	2.36728	1.02951	1.75053	4.824	4.04177	4.83496	4.14757	4.6056	4.69007	1.84989
HOMER2	11.8273	8.50859	9.03446	15.7918	22.5227	11.7425	12.6548	10.6143	52.5929	45.0006	25.2341	27.5664	60.6545	18.1985	8.89309
HOMER3	2.77821	3.13178	3.0789	8.5171	12.0781	11.5156	3.22195	1.56839	7.87363	9.35338	8.54091	6.52625	14.7347	8.48838	5.06888
HOMER3-AS1	0.292381	0.346765	0.18606	0.254952	1.50225	0.28726	0.385189	0.259844	0.191739	0.395196	0.152336	0.514969	0.188642	0.717036	0.161498
HOMEZ	0.983626	2.02685	2.21599	3.28322	1.75854	3.18162	1.62457	1.39646	1.65	1.70818	1.98334	1.08891	2.59839	1.42263	1.08389
HOOK1	5.04192	5.95325	3.87684	7.28884	2.33237	3.29387	2.41818	3.64858	15.0144	9.88398	8.38589	8.84661	12.803	6.53206	2.12231
HOOK2	3.03254	8.47206	9.00067	5.07147	12.8096	6.33458	5.1937	2.90784	7.21377	4.00647	2.25221	7.96257	4.98868	3.74915	2.01201
HOOK3	4.68394	4.69747	5.42784	3.72589	2.55303	4.04932	4.2337	5.14293	7.28321	5.18058	6.1008	4.67578	5.72836	4.50794	5.82397
HOPX	41.2573	62.0555	75.3102	65.5605	29.1799	31.3568	77.9022	47.5024	222.725	121.218	126.779	60.5778	47.3154	26.9025	6.87165
HORMAD1	0.0853537	3.07259	5.26551	0.0628282	0.113643	0.0622951	1.43397	0.195056	0.668258	1.20901	0.633182	0.0348988	1.85664	0.0254912	0.0525337
HORMAD2	0.0297087	0.00954273	0.0163847	0	0	0	0.0113068	0.00880086	0	0	0	0	0	0	0
HORMAD2-AS1	0.0623224	0.131583	0.0863726	0.283132	0.126849	0.0526555	0.188116	0.154942	0.0253294	0.0264535	0.093926	0.0904172	0	0.163471	0.0293746
HOTAIR	1.31912	3.06978	1.92273	1.85877	2.21633	3.46899	1.3422	1.33183	0.284151	0.765874	1.41822	0.333886	0.318437	0.464312	0.154648
HOTAIRM1	1.83992	1.98661	1.79719	1.2336	1.37736	0.717268	1.84765	1.61546	1.48488	1.86412	2.37733	0.697909	1.31583	1.33237	0.827725
HOTS	0.125854	0.2838	0.242351	0.0235636	0.0657886	0.153066	1.11955	0.723965	0.0181695	0.314752	0.0867373	0.142266	0.205887	0.132248	0.119056
HOTTIP	0.19844	0.0358543	0.0246245	0.0357872	0.107886	0.177417	0.0509788	0.0617249	0	0.0124531	0.0336021	0.0106492	0.067217	0.0233355	0.0997447
HOXA-AS2	0.0950295	0.144364	0.132962	0.0343066	0.205816	0.119047	0.310975	0.223807	0	0.0946142	0.0351835	0.115715	5.08E-34	0.0598124	6.77E-28
HOXA-AS3	0.13849	0.249106	0.231264	0.0781878	0.136931	0.0837274	0.252926	0.165217	0.115575	0.0224776	0.0711614	0.0968413	0.0530318	0.041135	4.16E-26
HOXA1	0.527011	0.678585	0.518667	0.767831	0.437544	0.812379	0.726219	0.565266	0.475847	0.786901	0.902652	0.565636	0.697638	0.508137	0.247935
HOXA10	1.1252	0.891131	0.866407	0.81834	1.33744	1.43774	1.21655	0.95791	0.291855	0.506774	1.27338	0.26085	0.686113	0.632601	1.52002
HOXA10-AS	1.31233	1.65733	1.63144	1.84153	2.98592	1.68843	1.18457	1.32096	0.752574	0.835561	1.1447	1.09169	1.2547	1.09716	1.1481
HOXA10-HOXA9	0.136349	0.0926399	0.0354358	1.27E-06	1.28E-06	0.00015600	0.0372628	0.00062759	0.0449247	5.16E-06	0.202939	0.0400008	1.51E-06	0.00027342	0.0147086
						8		2						2	
HOXA11	0.488508	0.222761	0.310313	0.305649	0.460713	0.727926	0.458162	0.224825	0.0212481	0.602179	0.846892	0.0374507	0.287041	0.319144	0.964643
HOXA11-AS	0.567744	0.20876	0.234839	0.184761	0.626615	0.712418	0.358234	0.172614	0.018196	0.468801	0.758975	0.160356	0.125315	0.17179	0.472046
HOXA13	1.33482	0.425801	0.563553	0.227681	0.772177	0.799528	0.693708	0.539961	0.0560573	0.184865	0.665091	0.0856297	0.130668	0.235753	1.17662

HOXA2	0.286359	0.451546	0.441489	0.093896	0.242626	0.243831	0.297233	0.42801	0.0792622	0.0980211	0.088163	0.121076	0.109175	0.0952407	0.168238
HOXA3	0.565927	0.808393	0.79865	0.432257	0.734289	0.572585	0.706971	0.769215	0.170281	0.217267	0.511088	0.309656	0.412385	0.254021	0.296412
HOXA4	0.531657	0.86748	0.595217	0.641682	0.603313	0.954155	0.621857	0.614126	0.260978	0.362857	0.734612	0.408973	0.578952	0.243715	0.211574
HOXA5	1.28495	1.12382	1.22476	0.921167	1.01968	0.915729	0.797344	1.17919	0.459271	0.525895	0.772574	0.399746	0.243306	0.299287	0.120349
HOXA6	1.21198	1.47378	1.16974	0.654228	1.21026	0.638848	1.02138	0.94888	0.492019	0.253527	0.29318	0.516193	0.0744727	0.180981	0
HOXA7	1.89576	2.14651	2.22957	2.4422	2.26799	3.84625	1.94219	2.28151	1.6493	1.04907	2.69226	1.56658	1.49093	1.38559	0.643284
HOXA9	3.71037	4.32702	4.49497	3.84933	3.67006	3.59235	3.79272	4.57889	2.50255	2.07579	2.96442	2.6901	2.51162	2.29891	1.40909
HOXB-AS1	0.247885	0.0594468	0.157779	0.129154	0.384214	0.0494504	0.0331543	0.0861144	0	0	0.0423002	0.0415545	0	0.0455291	0.172048
HOXB-AS3	0.0503041	0.0647769	0.0677959	7.90E-29	0.282269	0.219285	0.205853	0.0873978	0	0.0406502	0	0.0234553	0.0169893	0.0687196	0.310882
HOXB1	0	0	0	0	0	0	0.0260592	0	0.0277965	0	0	0.0489925	0	0	0
HOXB13	0.205818	0.121203	0.107205	0.133545	0.0355229	0.824329	0.261107	0.0203237	0.046419	0.00956749	0.00860528	0.0272719	0.0541006	0.199202	0.93053
HOXB2	0.43339	0.515075	0.764866	0.655045	1.54837	0.664247	0.428854	0.539226	0.228722	0.235711	1.27203	0.258419	0.307583	0.528521	1.34854
HOXB3	0.592237	0.322353	0.346341	0.224462	0.848288	0.452785	0.376166	0.347569	0.0633543	0.101563	0.193851	0.111665	0.212565	0.335317	0.936946
HOXB4	0.387046	0.241333	0.244852	0.328474	0.866458	0.562198	0.246953	0.283273	0.0415922	0.100014	0.346971	0.0977441	0.220341	0.279632	0.850118
HOXB5	0.101672	0.0979741	0.210275	0.104776	0.513277	0.119037	0.232171	0.158126	0.0154781	0.0159511	0.0430406	0.0909361	0.00819977	0.185983	0.346782
HOXB6	0.358066	0.211553	0.308431	0.184991	0.813213	0.532479	0.28379	0.19635	0.100903	0.139064	0.155881	0.0988035	0.048051	0.16583	0.570979
HOXB7	0.813226	0.408151	0.350395	0.750756	1.47376	2.16391	0.502946	0.406534	0.226971	0.489077	1.4918	0.375801	0.776103	0.522429	1.24089
HOXB8	0.0507801	0.0305833	0.0315067	0.065413	0.0985989	0.118906	0.0724739	0.0225646	0.0309223	0.0478007	0.0573245	0.00908364	0.0327631	0.01327	0.0729267
HOXB9	0.0600005	0.033039	0.00709095	0.0529991	0.0665725	0.0729852	0.0489333	0.0228529	0.0104391	0.0322743	0.0774093	0.0245326	0.0608332	0.0313589	0
HOXC-AS1	1.35142	1.66853	1.64205	0.261127	0.656006	0.898997	1.7841	0.825707	0.360035	0.318032	1.09651	0.271962	0.0544955	0.176578	1.15236
HOXC-AS2	0.229594	0.553109	0.455847	0.473206	0.855932	0.351893	0.629143	0.489705	0.0559239	0	0.207346	0.197137	0.0296265	0.143995	0.197835
HOXC-AS3	0.251555	0.121203	0.26013	0.129617	0.195376	0.48194	0.287217	0.279451	0.153183	0.157864	0.0709935	0.134996	0.0405755	0	0.0903162
HOXC10	2.83529	4.2121	4.26109	4.21233	4.31243	6.81009	4.27586	4.05263	1.82725	3.06928	5.62788	2.06254	2.89641	2.35861	1.34031
HOXC11	1.98823	2.79725	2.33093	2.73972	3.86493	2.80547	2.01066	1.75688	1.79879	1.49726	2.56511	1.43076	1.38542	0.777869	0.375275
HOXC12	1.11943	0.961467	1.32871	0.852667	1.77667	0.994625	1.08363	0.540684	0.355655	0.0916306	0.412076	0.156714	0.40823	0.178063	0.174744
HOXC13	1.16348	1.44065	1.31183	1.689	2.33082	1.67095	1.44547	1.18775	3.15259	1.91645	1.91868	1.24359	2.09541	0.897524	0.0971012

HOXC13-AS	0.732178	1.37356	1.83337	1.58067	2.44218	1.5372	1.34994	0.929547	3.68345	0.844121	0.501663	1.02396	0.888308	0.414155	0.188843
HOXC4	1.27345	1.23128	1.26087	0.682957	1.26311	1.13384	1.33164	1.21558	0.172557	0.259326	0.868702	0.410172	0.257619	0.311175	0.981808
HOXC5	0.606538	0.841561	0.741763	0.350927	1.2652	0.738146	1.20814	0.745759	0.103674	0.355611	0.311417	0.350612	0.206753	0.352129	0.910062
HOXC6	1.8967	2.53325	1.83634	2.11306	4.53406	4.19363	2.58268	2.06671	0.46018	1.11874	2.86483	1.09835	0.960906	1.16604	1.83872
HOXC8	0.960922	1.18427	1.30538	1.04238	1.06842	1.5503	1.28193	1.52819	0.184783	0.736329	0.536671	0.535577	1.10292	0.72954	0.828003
HOXC9	1.51232	1.91365	1.88296	1.58997	1.89831	3.56399	1.88369	1.42548	0.744175	0.920298	1.4313	0.699542	0.719485	0.894194	1.51373
HOXD-AS2	0.767298	0.214133	0.226956	1.23E-12	2.79133	0.283078	0.366641	0.245253	0.0668861	0.506222	0.535146	0.118068	0.129466	0.328075	0.337122
HOXD1	0.468982	0.107272	0.126021	0.0879028	0.309436	0.546252	0.187309	0.0833119	0	0.220609	0.511517	0.0167691	0.101859	0.122487	0.472867
HOXD10	0.41052	0.241062	0.254708	0.727122	0.717389	0.764645	0.351539	0.239423	0.203112	0.305926	0.304123	0.431427	0.902197	0.918566	0.221084
HOXD11	0.158189	0.0304871	0.0392595	0.17932	0.245722	0.390618	0.072246	0.210878	0.0192656	0.0198543	0.0178576	0.0905508	0.35722	0.0330706	0.11359
HOXD12	0	0	0	0	0	0.0242386	0	0.0252984	0	0	0	0	0	0	0.0817622
HOXD13	0.1094	0.00479187	0	0.0307472	0.0617948	0.313331	0	0.0265161	0.0363373	0.0873779	0.101045	0.00711623	0.121918	0.0103958	0.371356
HOXD3	0.593928	0.291014	0.22485	0.269721	0.860028	0.360005	0.206886	0.286283	0.0735597	0.101077	0.20455	0.22329	0.0974235	0.452466	0.477077
HOXD4	0.964294	0.610878	0.84205	0.588879	1.19276	0.836289	0.428166	0.603063	0.0652445	0.268953	0.322539	0.332212	0.299557	1.03596	0.718069
HOXD8	0.82748	0.394451	0.400535	0.662236	0.861467	1.10186	0.613109	0.344228	0.418121	0.90599	2.02724	0.352731	0.755392	0.924765	0.960808
HOXD9	1.49785	0.893237	0.843014	1.22727	3.01324	1.95492	1.10742	0.752873	0.538293	0.693428	1.01176	0.843347	1.18821	1.82236	1.26951
HP	0.561305	0.107595	0.0526174	0.353205	0.198614	1.51836	0.11933	0.191248	0.101741	0.0665188	0.234553	0.0884364	1.21908	0.0799691	0.367252
HP09053	0.410049	0.364945	0.43141	0.18131	0.177171	0.236998	0.391516	0.389681	0.0866462	0.232897	0.249476	0.183338	0.0902753	0.361793	0.309669
HP1BP3	17.3529	15.4193	15.1075	24.3605	14.0643	23.0632	14.9204	15.7942	15.5916	17.7867	17.5903	14.4563	27.2321	19.4035	18.9195
HPAT5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HPCA	0.0329204	0.158616	0.0953193	0.0678509	0.15341	0.042047	0.0751749	0.0292569	0.0400934	0.0206593	0.0557446	0.0353332	0.0212401	0.154851	0
HPCAL1	2.48323	1.53424	2.02635	6.04945	3.03075	6.91148	2.29522	1.59887	5.01992	3.986	6.70304	3.03389	6.66481	5.33267	3.77244
HPCAL4	0.0185776	0	0.00384218	0.0287171	0.0144287	0.00395465	0.00530283	0.0206378	0	0.0174876	0.00524295	0.0132928	0.0239724	0.0218463	0.0533596
HPD	0.0834198	0.0114837	0	0.0245619	0.12958	0.578395	0.0408198	0.0105909	0	0	0.0807177	0	0.0307555	0	0.034229
HPDL	0.47519	0.433156	0.55248	1.0191	0.95758	1.00608	0.79184	0.547861	0.985402	0.370743	0.304461	0.35839	0.67947	0.476573	0.202886
HPF1	3.42578	3.18198	3.14894	5.17787	1.24166	5.25061	1.8688	3.16295	2.61922	4.22804	7.32635	1.75672	3.27861	2.40718	3.71722

HPGD	6.13985	5.11517	4.45045	1.90154	3.00754	2.16866	5.38569	5.24296	50.9342	9.72029	24.7544	5.09056	0.695866	0.706311	1.75419
HPGDS	1.16074	1.43612	2.09831	0.826983	0.267114	0.0732112	1.99612	1.20986	0.139619	0.5036	1.27797	0.205071	0.221896	0.269623	0.782032
HPN	0.0587139	0	0.00809538	0.0100844	0.030401	0.199976	0	0.0173933	0	0	0.0552339	0	0.0126273	0.00511441	0.168641
HPN-AS1	0	0.0072454	0.00414675	0	0.00778626	0.0384133	0.0114464	0.00445476	0	0	0	0	0	0	0.00719869
HPR	0.351816	0.278569	0.123637	0.260302	0	0.149632	0.116182	0.224153	0.0402401	0.0393844	0	0.0835561	0.1777	0.140498	0.107041
HPRT1	3.77812	2.56111	2.76021	6.82621	0.889202	7.64565	2.68908	4.1862	1.81264	5.46041	9.04704	3.01932	7.35509	5.76142	4.41585
HPS1	4.95845	3.76634	3.97009	6.96227	7.93273	12.638	6.52753	3.55658	4.68645	4.60888	5.8705	3.5479	5.23143	4.5538	4.76834
HPS3	2.17008	1.40732	1.55027	2.33461	1.04975	2.89427	1.42883	1.76194	0.667024	1.21892	2.60847	0.844214	1.61094	1.30974	2.17381
HPS4	3.6557	4.35192	4.58518	3.4701	4.79219	4.45305	3.99686	3.55735	3.81226	2.28368	2.27575	3.4531	2.25684	2.19229	2.15187
HPS5	2.43288	2.30098	2.46381	3.74358	1.82693	2.79438	1.93307	2.18742	2.16013	2.23209	2.78388	1.96813	2.65897	2.11176	2.11132
HPS6	3.35193	3.32601	3.41066	6.01595	8.46258	7.17588	3.58979	1.94746	5.84388	4.16354	4.54656	3.1173	8.14765	4.30497	2.62458
HPSE	1.31405	0.876463	0.523258	3.67345	2.54386	2.34217	1.13086	1.56871	16.2009	4.30164	5.74542	4.11531	4.65034	2.95984	1.66886
HPSE2	1.29358	0.524857	0.797191	0.178103	0.211513	0.664448	0.890966	0.577141	0.0510263	0.0525855	0.0295606	0.0262313	0.0608219	0.0273717	0.0676911
HPX	0.442042	0.460317	0.365689	0.0881685	0.177199	0.315685	0.358181	0.278797	0.0694655	0.0715882	0.0804856	0.071421	0.0736009	0.104336	0
HPYR1	0	0	0.0194965	0.0242867	0	0	0	0	0	0	0	0	0	0	0
HR	9.63337	13.6601	14.0299	13.3044	37.8993	25.6488	20.202	11.7417	22.4724	16.4242	4.6606	14.7522	16.7944	11.6203	6.35685
HRAS	14.0782	15.0011	13.4218	28.2725	36.0929	35.0324	12.3565	8.91097	25.5945	24.1708	25.6243	19.2333	34.2679	19.3084	7.67809
HRASLS	0.718458	1.6469	1.06264	0.471158	0.405823	1.66843	1.93892	0.754597	1.98864	0	0.196618	0.311561	0.112375	0.0113787	0.0625331
HRASLS2	0.12476	0.0150279	0	0.0964269	0.096898	0.026558	0.0356118	0	0.113958	0.391468	0.0352097	0.178539	0.140866	0.0652052	0
HRASLS5	0.319676	0.0501476	0.166055	0.00766129	0.0461923	0.27853	0.144301	0.0858911	0	0	0	0	0	0	0.0320299
HRAT17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HRAT5	0.0834485	0.187632	0.115057	0.0859961	0.129624	0.189481	0.254077	0.123603	0.033877	0.0349121	0.125604	0.0796128	0.0358937	0.261683	0.119843
HRAT92	0.158424	0.184466	0.20751	0.05442	0.389637	0.213585	0.195957	0.129061	0	0.0662793	0.0670652	0.11808	0.0127768	0.0620993	0.104278
HRC	0.29123	0.177737	0.289111	0.0400161	0.376984	0.338904	0.144091	0.232939	0.0236457	0.0487364	0.17534	0.0902991	0.0125267	0.0811783	0.334594
HRCT1	2.11942	0.48124	0.846435	0.225943	0.681142	2.94553	1.55762	0.671154	0.148345	0.21403	0.330008	0.034862	0.581553	0.17825	0.384842
HRG	0.0689123	0.0276692	0	0	0	0	0	0.0306218	0.0139879	0	0	0.0082181	0	0	0

HRH1	0.859819	1.25671	1.41466	2.6978	1.44752	2.58494	1.33272	0.798287	0.614257	3.87051	3.39991	2.21688	4.7107	2.94481	2.5524
HRH2	0.471198	0.296886	0.247378	3.71658	0.760084	6.07229	1.03461	0.46708	0.0551794	0.761998	1.86173	0.142642	1.99948	0.951922	3.16227
HRH3	0.0431773	0.0374463	0.0214316	0.0088991	0.120725	0.176472	0.0591582	0.0613959	0.0210341	0.151738	0.0487418	0.0617891	0.0167147	0.0135398	0.0124016
HRH4	0.0315472	0.0577598	0.0469766	0.0845269	0.0490038	0.00537241	0.0360196	0.0280366	0.0076842	0.015838	0.0356129	0.00902916	0.113983	0.0329759	0.0634281
HRK	0.041631	0.00547049	0.00626184	0.0624028	0.123456	0.103122	0.00864235	0.0235443	0	0.0190004	0.115354	0.0243721	0.0170928	0.00989008	0
HRNR	23.0445	94.7773	1.2125	7.73527	324.901	19.6978	17.6535	51.1585	2679.25	186.284	387.021	242.344	12.4282	16.6804	8.71626
HS1BP3	2.60034	3.6148	3.74466	3.80124	8.87135	7.18371	4.58544	2.05419	3.38978	3.67468	5.10988	3.07346	4.54229	2.70804	3.51312
HS1BP3-IT1	0.347146	0.223014	0.191456	0	0	0.131373	0.52848	0.102838	0	0	0	0	0.0995452	0.100796	0
HS2ST1	2.54844	2.03214	1.92641	2.19948	1.12326	3.90322	1.28392	2.76028	1.82343	2.55885	4.14628	1.14651	2.27316	1.85305	2.21423
HS3ST1	0.459328	0.226986	0.282555	1.10448	0.731789	1.77504	0.34963	0.177939	0.803255	1.72951	3.28398	1.65173	8.25237	1.65583	2.01279
HS3ST2	0.889205	0.182798	0.196164	0.0610901	0.147333	1.17105	0.284274	0.347711	0.0288787	0.297612	1.55255	0.02545	0.0382474	0.049572	0.32351
HS3ST3A1	0.115346	0.0829462	0.10748	0.223259	0.819974	0.30387	0.0876632	0.134988	0.016356	1.67516	1.7036	2.82119	2.3485	2.05307	0.876373
HS3ST3B1	0.527456	0.569438	0.625519	1.82711	0.407583	0.884036	0.388206	0.65299	0.0812338	1.33852	2.00389	0.652043	2.45703	0.829378	1.93436
HS3ST4	0.433526	0.275024	0.478191	0.290395	0.707086	0.86133	0.173245	0.089899	0.0615983	0	0.0163132	0.00516999	0.0139854	0	0.083013
HS3ST5	0	0.0162546	0.0139545	0	0	0.00718149	0	0.014991	0	0	0	0	0.00544161	0.013224	0
HS3ST6	4.2479	9.34533	10.6419	1.63127	19.9821	4.67484	17.5016	5.43128	38.801	2.43944	6.65016	5.00368	0.762749	1.8955	0.0287761
HS6ST1	9.93184	10.4227	6.97127	12.6671	22.6956	16.44	6.01092	5.48019	8.03062	6.40914	6.06204	9.13034	16.6471	6.41506	4.1209
HS6ST2	0.111484	0.0122079	0.0209608	0.067888	0.047229	0.224373	0.0347151	0.0360282	0.00617159	0.0826822	0.0457642	0.0145036	0.434843	0.206581	0.0218325
HS6ST2-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HS6ST3	0.103794	0.0185749	0.0392528	0	0.00921301	0.154032	0.152368	0.0263552	0	0	0	0	0.0038267	0	0
HSBP1	8.79645	6.32937	6.42036	17.5305	3.1991	15.2179	6.00485	6.49395	10.5856	31.2959	29.5801	12.7797	23.5876	14.8017	9.27409
HSBP1L1	3.3326	5.33746	4.67152	6.86868	3.30732	5.99063	3.73459	3.23597	12.8902	7.20363	10.3806	6.75626	9.53643	4.72534	2.43733
HSCB	1.65579	1.10957	0.708512	1.7848	1.71468	3.1925	1.23862	0.761137	1.41392	1.48101	3.22273	1.26647	1.12971	1.62136	1.58529
HSD11B1	0.931042	1.95101	2.62854	2.04077	0.596857	6.43025	1.77172	1.12951	1.65586	0.85323	1.61825	0.158616	2.05956	0.33985	1.33709
HSD11B1L	0.578031	0.898569	0.622547	0.730548	1.86353	1.4487	0.83431	0.726942	1.32826	0.807619	1.73596	1.0613	0.816252	0.798012	0.532533
HSD11B2	11.6207	5.50424	5.48324	1.12785	2.82703	2.18839	5.29322	9.54066	1.54257	0.463022	1.24937	2.09413	0.920343	1.09259	1.05961

HSD17B1	0.600078	0.617106	0.836387	2.08534	2.15726	2.27224	1.40461	0.694955	2.36784	2.37676	4.90132	1.58609	2.48598	1.85368	0.816904
HSD17B10	18.6249	15.2844	15.8255	34.9943	29.8644	43.4633	21.7868	12.1099	27.6294	21.2951	40.0703	19.878	23.0569	19.004	10.8717
HSD17B11	6.15676	2.35777	2.73943	2.81847	0.933497	5.05443	3.20673	3.59688	0.463039	5.403	10.7438	0.693269	3.68745	2.57039	5.30161
HSD17B12	10.6031	7.60174	7.08649	13.5038	2.6132	12.9696	6.45804	10.8697	13.013	12.4862	14.2587	8.8816	19.162	9.62893	6.80398
HSD17B13	0.212757	0.13461	0.20202	0.0603213	0.0960776	0.0822801	0.222724	0.198338	0.0235174	0.0728421	0.0218391	0.0631752	0.0311468	0.108457	0.0417136
HSD17B14	0.972869	0.387614	0.557187	0.751927	2.49929	2.30992	1.51666	0.565319	0.159498	1.22105	3.67491	0.200802	0.820825	0.567133	2.01514
HSD17B2	0.451887	0.124415	0.0534046	1.86273	1.20332	1.75897	0.0737071	0.344228	0.471726	0.324094	0.364374	0.10393	0.364444	0.134958	0
HSD17B3	0.204083	0.157329	0.287015	0.0841255	0.0634024	0.225907	0.163111	0.0362745	0.0497101	0.128073	0.0691154	0.0146027	0	0.117329	0.410325
HSD17B3-AS1	0.049293	0.0237501	0.0203893	0	0.0382845	0.0629585	0.0281406	0.0219037	0	0	0	0	0	0	0
HSD17B4	13.2888	11.9439	12.9484	19.3035	9.51957	15.9168	8.76	11.6561	17.2107	11.5674	13.534	11.0865	11.3995	8.74834	8.04327
HSD17B6	0.357587	0.0344582	0.0709971	0.088441	0.111091	0.816009	0.375619	0.0635588	0.13936	0.0897618	0.322937	0.0204691	0.0830569	0.0672807	0.390291
HSD17B7	1.56184	1.5124	1.31806	4.06181	1.78401	2.4354	1.50883	0.976474	1.00436	1.24918	1.78015	0.995661	1.24218	1.50835	0.989944
HSD17B7P2	0.676725	1.08067	0.787023	1.29596	0.903331	1.08091	0.851196	0.674781	0.47633	0.38943	0.407016	0.719101	0.0266493	0.732939	0.306175
HSD17B8	0.848966	0.913347	0.769671	0.974757	0.969483	0.854917	0.969322	0.62702	0.656248	0.651974	1.15093	0.654612	0.262619	0.476124	0.217122
HSD3B1	0.0275513	0.0796477	0.068377	0	0	0	0	0.110184	0.0167772	0	0	0	0	0	0
HSD3B2	0.0247519	0.0238517	0.0409531	0	0	0	0	0	0	0	0.0139709	0.00885533	0	0	0
HSD3B7	3.67875	3.89196	4.65357	10.7012	7.89127	12.9689	5.62262	2.75907	4.55142	10.1383	14.9635	6.87307	15.8551	6.46992	6.58295
HSD3BP4	0.066526	0.112827	0.182716	0.0274228	0.177741	0.013595	0.0668423	0.413859	0.0162042	0.0500982	0.00901194	0.0228485	0.0188858	0.0931819	0.175793
HSD52	0.0221889	0	0.0367125	0	0.0689341	0.0944679	0	0	0	0.0278494	0	0.0158768	0	0	0
HSDL1	1.98117	2.14623	1.99912	2.08067	0.989875	2.3155	1.29671	1.69901	1.67515	2.01143	2.51427	1.48981	1.88073	1.83346	1.35918
HSDL2	5.87328	7.09762	6.18125	7.57272	5.15843	6.12861	5.70309	7.20134	32.5222	10.0497	13.7329	8.08577	7.47261	4.66538	2.9955
HSF1	8.68385	10.9807	10.4948	19.1538	21.9554	21.1252	13.1198	7.33322	14.3708	10.4145	13.5601	13.7535	20.9607	13.1456	11.3037
HSF2	2.08568	2.30744	2.67441	1.67815	0.623035	1.69396	1.70359	1.96765	1.72924	2.13447	2.17336	1.83101	1.88394	1.68961	1.20964
HSF2BP	0.304674	0.293593	0.26213	0.364212	1.1737	0.581114	0.333952	0.368246	1.06865	1.4837	1.03182	1.32546	0.87279	0.579619	0.367543
HSF4	2.04616	4.39986	3.84114	1.67445	8.83951	3.42163	3.58349	2.72195	1.02078	0.583468	0.516281	2.16724	0.226679	0.957286	1.70028
HSF5	0.0731841	0.013562	0.0232858	0.0116028	0.0174892	0.0143804	0.00642763	0.0200123	0	0	0.0127101	0.00402809	0.00363215	0.00882674	0.0565931

HSFX1	0.128718	0.235666	0.194335	0.0762727	0.515377	0.219205	0.146966	0.151572	0.137169	0.0726997	0.0399595	0.0921012	0.058134	0.0531714	0.16637
HSFX2	0.107654	0.197107	0.162533	0.0637905	0.14608	0.18333	0.122916	0.126768	0.114721	0.0608024	0.03342	0.0770293	0.0486202	0.150461	0.139144
HSFX3	2.08E-06	0.0980772	0.142098	0.103301	2.53E-10	0.0662942	4.24E-05	0.0598954	1.18E-05	0.183687	2.91E-05	0.335792	0.0488481	4.18E-06	1.26E-06
HSFX4	0.348367	0.076127	0.223518	0.243767	0.464663	0.220016	0.346322	0.0929538	0.162172	0.198097	0.210098	0.0115773	0.12072	0.138479	0.587215
HSFY1	0	0.00153981	0	0	0	0.00544246	0	0.00568043	0	0	0.00284841	0	0	0	0
HSFY1P1	0	0	0	0	0	0	0.0382679	0	0	0	0	0	0	0	0
HSFY2	0	0.00088546	0	0	0	0.00312968	0	0.00326652	0	0	0.00282867	0	0	0	0
		7													
HSH2D	0.376545	0.177936	0.143771	0.335805	0.303701	0.585754	0.19016	0.15445	0.141105	0.254479	0.449596	0.0932636	0.36909	0.234645	0.478371
HSP90AA1	38.2855	36.8607	42.9063	94.9163	24.3356	71.082	17.8366	25.1825	48.8819	85.8457	71.2799	40.1349	162.924	71.416	40.2106
HSP90AB1	92.9275	83.7571	89.1985	172.26	75.0034	170.993	76.1433	72.3273	82.8123	86.9694	72.6526	68.5665	200.504	96.9569	69.4578
HSP90AB4P	0.701305	0.522855	0.482456	0.532527	0.642154	0.251432	0.463579	0.433002	0.116878	0.463268	0.250006	0.797601	0.0571551	0.802513	0.667907
HSP90B1	37.9734	25.1767	27.8688	90.3068	21.5795	85.9848	15.8895	23.744	34.6756	73.5104	89.7874	33.4198	117.086	59.5861	61.0959
HSP90B2P	0.55503	0.413288	0.292192	0.233989	0.365762	0.171855	0.297654	0.396106	0.143386	0.295535	0.0949332	0.216621	0.0596837	0.232945	0.193235
HSPA12A	1.38861	0.928736	0.946902	0.934655	1.13336	1.18896	2.02639	0.798964	0.641221	0.834527	0.759213	0.643461	0.657077	0.946031	1.59422
HSPA12B	3.9111	1.08744	1.48396	1.23491	4.08825	5.28958	2.6189	1.60725	0.295466	1.13493	1.42745	0.704882	1.71706	2.06715	5.05724
HSPA13	1.67796	1.04066	1.23442	2.28564	0.39683	2.67954	1.57775	1.73891	1.71122	4.49622	6.25285	0.889043	4.25552	2.56113	3.24359
HSPA14	2.21433	2.13482	2.20558	2.71314	1.11586	2.67056	1.46283	1.98765	2.81451	2.43065	3.8833	1.87056	3.22766	2.43785	1.85592
HSPA1A	6.08857	10.5446	10.7404	17.1349	19.7563	12.4867	7.15833	5.68683	13.3096	9.40489	3.96866	7.64033	19.9742	4.65815	4.67787
HSPA1B	6.06969	10.3783	10.2783	13.9347	21.8346	10.0338	7.84033	5.86779	19.7067	9.06066	3.7881	17.6353	11.54	4.24829	2.98998
HSPA1L	0.062031	0.0545007	0.0467919	0.0526439	0.0963556	0.111851	0.0499941	0.0405353	0.064437	0.0251885	0.0700253	0.0443849	0.0306051	0.0247919	0.0104805
HSPA2	12.4366	13.3977	14.112	26.2096	19.0197	31.0215	11.8999	8.48256	86.6538	11.9901	13.8789	18.5031	15.9348	8.66216	8.3541
HSPA4	11.2878	10.1855	10.0224	23.2225	7.23231	20.0378	7.37686	8.09337	21.3994	17.0677	13.8385	13.1351	28.699	17.6806	10.1231
HSPA4L	4.42107	5.15036	5.44752	6.96768	1.65237	3.82191	2.87938	4.32564	14.9205	9.11792	5.06695	9.37121	11.1383	9.41331	2.60823
HSPA5	21.983	17.2204	17.5155	60.9036	25.8526	62.3196	21.7183	16.6976	45.9561	42.3339	48.5726	34.1576	85.8634	35.7901	29.0253
HSPA6	0.887104	0.926286	0.62739	8.85699	4.91904	2.42172	1.38066	0.784605	2.41006	4.21475	2.87393	3.44142	4.47611	1.85628	2.7092

HTR1A	0.0103087	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HTR1B	0.204096	0.0245842	0.108542	0.0150234	0.113226	0.254471	0.141483	0.0647799	0.0443868	0.292756	0.814626	0.0469402	0.188117	0.259055	0.366385
HTR1D	0	0.00393322	0	0.0588879	0.0126805	0.00695097	0	0	0	0.0307375	0.00921539	0.00584108	0.0684702	0.00853303	0
HTR1E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HTR1F	0.153306	0.0650013	0.116679	0.0252778	0.0476274	0.219304	0.0980222	0.0926469	0.0224051	0.0538761	0.103838	0.0307144	0.0514343	0.118584	0.220167
HTR2A	0.161602	0.016392	0.0211087	0.043825	0.0990881	0.423668	0.0631224	0.071809	0	0.266877	0.643299	0.0669438	0.189322	0.0866827	0.421409
HTR2A-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HTR2B	0.952644	0.793269	0.6853	0.490864	0.466454	0.432033	0.75666	0.984668	0.277443	0.571841	0.876699	0.570505	0.140299	0.892962	1.29376
HTR2C	0.00477965	0.00690872	0.0197703	0.0246278	0	0	0	0.0084955	0	0	0	0	0	0.0124903	0.00686418
HTR3A	1.55567	0.347013	0.0317769	0.118753	0.119333	0.400661	1.12932	0.256028	4.52608	0.0964213	0.184289	0.171779	0.0185873	0.150567	0
HTR3B	0.0296452	0.00476118	0	0.0203669	0	0	0.0112827	0	0.144418	0	0.0111553	0	0	0.0103293	0
HTR3C	0.0136216	0.0196892	0	0	0	0	0.0155527	0	0	0	0	0	0	0.00711923	0
HTR3D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HTR3E	0.00917283	0.0309373	0.0227652	0	0.0427457	0	0.0104732	0.0244561	0	0	0	0	0	0	0
HTR3E-AS1	0	0.0216518	0	0	0	0	0	0	0	0	0	0	0	0	0
HTR4	0.0110022	0.00265051	0.00455088	0.0226761	0.0170902	0.0046841	0.0125619	0	0	0	0.0124201	0	0	0	0
HTR5A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HTR5A-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HTR6	0.136618	0.207347	0.175181	0.0422366	0.116718	0.110512	0.288574	0.115344	0.0249578	0	0.0154224	0.0439892	0	0.0856829	0.17658
HTR7	0.538693	0.319446	0.0628473	0.982168	1.95247	0.564541	0.110396	0.282337	0.689711	3.89199	1.99587	2.27316	4.32668	2.65301	1.20012
HTR7P1	0.95968	0.581796	0.702309	0.445584	0.524207	1.06859	0.794706	0.69824	0.244031	0.582394	0.922641	0.222604	0.510314	0.424406	0.461931
HTRA1	21.5711	9.85152	12.1647	18.7647	62.9619	40.9643	21.3635	17.5504	6.71403	43.173	92.0435	8.15476	21.0454	23.7461	91.3059
HTRA2	1.88709	2.0594	2.06008	3.5763	4.11766	4.36438	1.86673	0.944479	2.60013	3.09064	4.92705	2.06429	2.866	2.53872	1.95877
HTRA3	5.24859	1.81339	2.62105	2.0239	3.60342	4.74295	3.04711	2.67586	0.0833401	3.54712	7.41588	0.798106	11.0774	10.6542	13.3358
HTRA4	0.263238	0.0422774	0.099811	0.124334	0.0511125	0.532342	0.125232	0.0487384	0	0.0412989	0.123818	0	0.0707667	0.0630575	0.488307
HTT	6.16404	7.52288	8.31607	6.95045	8.16893	8.52148	9.49303	6.32826	5.8463	5.49897	3.92418	6.38415	6.63204	5.3014	5.49047

HTT-AS	0.28147	0.135616	0.0517448	0	0.19432	0.0532595	0.0714162	0.222353	0.0380887	0.0785052	0	0.0895107	0	0.0163454	0
HULC	0.381741	0.321875	0.118426	0	0.074122	0	0.163447	0.424075	0	0	0	0	0	0.0249393	0.0685285
HUNK	0.407393	0.558666	0.865893	0.203456	0.496522	0.485646	1.2237	0.27015	0.465626	0.491654	0.484659	0.390162	0.68947	0.548682	1.50767
HUS1	2.98037	2.62177	2.61501	3.73062	1.48473	3.55669	2.74122	2.85607	3.72141	3.01332	4.42649	3.31191	4.05464	3.61097	2.99398
HUS1B	0.406018	0.282571	0.48517	0.232452	0.77084	0.384133	0.231789	0.240557	0.0824141	0.198176	0.178245	0.355076	0.0291068	0.589453	0.226759
HUWE1	15.7767	19.7385	20.0495	23.725	21.5266	27.382	25.0186	16.086	17.9619	18.3964	8.98384	19.6397	28.6116	15.3063	16.5381
HVCN1	1.08443	0.442585	0.686032	0.999211	0.535076	1.37964	0.772035	0.668958	0.233068	0.848669	1.81468	0.219089	1.11947	0.406742	1.33752
HYAL1	4.36972	5.62444	5.42567	2.95897	6.75113	2.14428	4.96232	3.21412	6.52569	4.83458	1.71809	5.92771	3.95819	3.55897	1.90405
HYAL2	9.57193	4.05733	4.3163	13.8175	9.51984	23.0708	6.99748	3.38391	9.78853	11.0988	25.2809	6.93128	19.028	14.7276	17.7544
HYAL3	0.312295	0.339587	0.281553	0.864363	0.673812	1.26775	0.332831	0.273312	1.26151	1.21333	2.19389	1.212	2.24658	1.27321	0.319771
HYAL4	0.923414	0.431011	0.0795742	0.0793004	0.71719	0.163807	0.208668	0.239357	6.64225	0.531199	1.36817	0.633197	0.00620606	0.0251363	0.0414418
HYAL6P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HYDIN	0.0795987	0.0997148	0.0904335	0.050311	0.110456	0.106636	0.172072	0.058479	0.020681	0.04529	0.0359428	0.0182256	0.0136951	0.0288439	0.344465
HYDIN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HYI	3.42203	2.23151	3.47441	2.19213	4.17957	3.91595	2.43814	1.84744	1.10206	2.38648	6.00092	0.660383	2.85049	2.46931	3.14753
HYKK	0.529416	0.380018	0.370934	0.256088	0.209787	0.404792	0.370084	0.283261	0.190799	0.142387	0.146362	0.0927702	0.111535	0.115761	0.232748
HYLS1	0.634182	0.482694	0.486623	0.994522	0.385475	1.25217	0.472231	0.465589	0.570877	1.07282	1.8676	0.473503	0.735321	0.840638	0.620377
HYMAI	0.61603	0.98523	1.29143	0.343524	0.445079	0.318739	1.01585	0.955689	0.118557	0.175119	0.275693	0.346362	0.074724	0.482042	0.853778
HYOU1	6.28047	5.35089	5.37704	19.6997	14.2928	20.1568	6.63018	4.47855	8.11628	11.5362	7.50621	8.45983	31.7613	11.0174	10.0648
HYPK	3.6046	3.08975	3.24331	5.73286	4.40416	8.15942	2.1999	3.66018	3.18904	3.15344	6.19934	2.69674	3.3274	3.19263	2.24401
HYPM	0	0	0	0	0	0.0786667	0	0.0410531	0	0.0579779	0	0	0	0	0
IAH1	4.25692	3.51105	4.06974	6.7872	3.01652	9.02449	4.45485	3.56977	2.97476	7.88209	16.8831	3.45557	8.73929	5.73801	5.65453
IAPP	0.022801	0.0329577	0.0188626	0	0.0708358	0.00970739	0.0650837	0.0101318	0	0.0143088	0.0128698	0.0244721	0	0.0119168	0.0491178
IARS	13.8091	11.567	11.3914	19.5718	8.35583	20.9099	12.1323	10.1508	12.7078	13.1267	12.156	11.4278	24.8198	16.1887	11.3657
IARS2	11.5291	10.67	11.5985	16.0072	5.94594	20.1613	9.93971	8.81469	13.4058	13.2917	11.712	9.61653	20.0184	12.3819	9.3088
IBA57	1.75518	1.69134	1.8235	1.37926	2.58961	1.72442	1.68564	1.35379	0.511166	0.769919	0.63616	0.903054	1.57744	1.2502	1.37414

IBA57-DT	0.144418	0.173957	0.358419	0.0372068	0.224332	0.0307426	0.164892	0.224607	0.0439713	0.226575	0.203788	0.387507	0.0698835	0.207568	0
IBSP	0.0145462	0.0070086	0	0.0299806	0	0.0495437	0	0	0	0	0.0164209	0	0	0.00760249	0
IBTK	4.72811	3.5461	3.92409	5.27057	1.1884	5.35809	2.90008	4.10334	2.45519	4.90198	5.67423	2.9752	5.49383	4.78219	5.56504
ICA1	2.41937	1.39383	1.42	1.32667	0.89643	1.83326	0.90389	1.38082	0.95514	0.520021	0.793457	0.57704	0.544189	0.668969	2.24196
ICA1L	1.12362	0.474729	0.554858	0.191691	0.230306	0.389421	0.629761	0.816002	0.0409035	0.149285	0.2304	0.13388	0.0552721	0.169076	0.352412
ICAM1	3.60051	2.10235	2.66599	10.6831	3.4886	14.1937	3.02826	2.68659	0.434159	5.736	10.7207	1.61207	16.7304	4.69886	15.0106
ICAM2	3.36136	0.832687	1.63494	3.64356	4.18461	7.90765	2.21354	1.08003	0.613462	2.81131	6.66935	0.588205	3.41925	2.07231	5.44646
ICAM3	1.10334	0.671045	0.965133	1.94786	2.06507	2.07918	0.80542	1.06093	0.671873	2.34963	4.88007	0.465917	1.75634	0.907521	2.58462
ICAM4	0.0517356	0.149562	0.0998651	0.0177717	0.107151	0.0734203	0.17721	0.0766305	0.0210027	0.043289	0.0973384	0.123394	0.0667591	0.126183	0.0990651
ICAM5	0.115638	0.204293	0.248727	0.143002	0.167651	0.13785	0.0968234	0.109621	0.197168	0.193517	0.130541	0.171001	0.089531	0.0967001	0.210357
ICE1	5.6722	4.44877	4.71653	5.1372	2.37007	4.71575	3.53738	4.14561	2.34762	3.95064	3.47114	3.07521	5.69805	4.83184	5.25225
ICE2	1.98598	1.86034	1.88684	1.81813	0.575216	2.02443	1.31958	1.84463	1.14903	1.50386	2.14076	1.07505	1.28896	1.49161	1.48365
ICK	3.63953	2.48469	2.5965	3.02422	1.5848	3.55078	2.55004	2.8751	1.69439	2.18854	3.33374	1.54833	2.15672	1.9332	2.5468
ICMT	6.97821	6.68161	6.24283	12.753	8.474	10.9838	8.16353	5.20035	17.1682	13.4762	19.4071	9.68678	18.7736	7.72601	9.50859
ICOS	0.166371	0.0548463	0.0869265	0.135355	0.0408049	0.0745592	0.0999772	0.108947	0	0.087921	0.345969	0.0626541	0.355922	0.0869526	0.0880266
ICOSLG	1.44701	1.54478	1.29402	0.779605	3.54339	1.44639	1.12968	0.78496	1.25293	1.0871	1.28075	0.562792	1.204	0.736374	2.26726
ID1	19.7805	18.2556	16.0843	28.4568	57.4259	55.2621	15.8072	16.7948	47.9981	51.8467	73.2849	54.1674	58.8559	53.0456	32.1305
ID2	10.2651	11.5349	12.2397	8.00815	5.98274	9.78077	10.9454	10.5703	7.87297	8.41168	12.7372	6.33728	10.4106	6.73947	8.62586
ID2-AS1	0.279541	0.538748	0.499026	0.197104	0.251393	0.463523	0.251977	0.339961	0.268776	0.332387	0.348785	0.178964	0.0949255	0.161479	0.169034
ID3	12.4961	9.27873	8.37522	17.2279	36.9356	34.068	12.4122	7.07167	11.5563	16.8327	41.0546	9.40909	16.4623	19.6224	21.2723
ID4	8.8727	9.68348	13.8455	1.13833	5.67618	6.35005	10.1442	11.1859	9.34431	2.8927	6.55837	1.3116	2.59264	2.83665	4.26173
IDE	15.3205	17.9783	17.816	8.39184	8.82694	9.63058	15.7077	22.7095	111.024	14.2086	24.0987	21.6763	6.9406	5.4262	3.5143
IDH1	6.22477	4.58693	4.15129	15.6251	3.42557	13.9307	3.73415	4.28952	3.72969	10.9148	15.8485	4.54924	8.90219	7.12414	6.02338
IDH1-AS1	0.141404	0.0908405	0.116979	0.194294	0.146432	0.200672	0	0	0	0.236635	0.372463	0.067452	0.030411	0.0739037	0.338456
IDH2	26.9708	29.4026	20.4863	70.7425	58.7635	75.9067	20.2024	23.6486	66.9425	42.7563	62.0338	34.9211	36.3074	29.4379	15.0244
IDH2-DT	0.233297	0.407274	0.116716	0.0481817	0.951047	0.119316	0.106548	0.207335	0.0569463	0.0585623	0.211692	0.0670263	0.0603072	0.0977016	0

IDH3A	7.22515	5.76572	5.23719	13.039	4.92362	13.7461	4.18421	6.30534	16.298	10.6487	12.6364	9.5815	16.5062	9.30428	5.43754
IDH3B	10.047	6.97213	6.9263	11.2938	10.1714	16.2161	9.64502	5.53061	9.07056	10.5868	16.406	6.90278	11.9648	8.41203	6.85543
IDH3G	7.38751	7.25471	8.36719	10.7967	8.13707	14.159	10.3211	6.36248	8.57188	9.32267	14.7688	7.38112	10.5727	7.28688	7.83167
IDI1	2.94893	3.08899	3.06869	7.24405	1.92101	4.64751	2.46598	3.35373	14.2242	12.1003	9.65774	6.79652	11.6513	5.50705	2.37124
IDI2	0.544943	0.68102	0.859367	0.579129	0.264527	1.08753	0.349987	0.575106	0.49776	0.555717	0.615173	0.657992	1.42835	1.06804	0.807064
IDI2-AS1	0.820498	0.65149	0.520709	0.66658	0.233013	0.254984	0.568566	0.491568	0.681707	0.403429	0.402123	2.22224	0.255588	0.533139	0.294314
IDNK	1.53096	0.995816	1.4565	0.696818	0.594528	1.72726	0.903135	1.00911	0.916733	0.800631	0.806524	0.56598	0.419802	0.906835	0.86114
IDO1	1.32263	1.01289	1.25355	1.39419	1.41646	0.705141	0.924471	0.815715	0.252051	0.744813	0.769614	0.718144	1.16965	0.906192	2.18662
IDO2	0.0403541	0.048608	0.0584215	0.062379	0.0313419	0	0.046075	0.0627608	0	0	0.0227774	0.0216558	0	0	0
IDS	8.31686	8.81637	10.4423	7.99696	6.11757	10.7007	10.2015	8.14255	12.948	18.7914	15.1312	11.1195	24.5492	7.92562	9.82549
IDUA	1.68599	1.69061	1.57643	1.9841	4.91653	4.45487	2.19433	1.49145	0.492947	0.628616	1.72326	1.27759	0.815887	1.20522	3.78519
IER2	16.492	16.9113	17.7606	34.4572	54.732	44.8249	18.8171	12.1838	76.0158	50.0442	38.4734	63.4699	78.6436	35.7074	18.2426
IER3	1.47651	1.15853	1.31497	3.97814	1.20314	5.01483	1.50233	0.982069	8.06436	9.51052	11.9852	11.4028	28.4154	11.1606	5.68014
IER3-AS1	0.0425673	3.29E-20	1.25E-18	2.56E-17	2.88E-26	0.0208915	3.46E-21	0.0283844	0.0842369	2.67E-14	0.0367345	0.032689	0.0227747	0.0849636	0.0337024
IER3IP1	6.17045	5.08601	5.83023	8.38858	1.9839	8.7655	4.86665	8.95731	9.20156	9.07716	18.2567	5.74737	8.73668	5.05859	5.34787
IER5	8.67617	9.2224	5.50169	20.2447	32.2345	19.2348	8.31532	4.95309	29.2327	29.1709	16.8891	15.7888	37.0298	14.8328	7.87625
IER5L	1.53718	1.62528	1.69555	4.5851	6.1684	10.3402	1.58934	1.42683	4.80508	5.59501	10.402	2.66418	6.07189	4.17766	3.54439
IFFO1	2.24413	1.18348	1.37718	1.42122	3.79012	3.77304	1.92869	1.25465	0.168955	1.21882	2.16485	0.566385	0.758172	1.78703	4.21899
IFFO2	27.8669	66.8295	88.8964	23.5594	43.7736	33.6944	66.6328	36.99	242.266	50.8707	26.6316	86.2795	108.919	54.0476	21.719
IFI16	14.3093	12.8217	12.3562	56.413	7.46689	63.5386	5.20209	13.59	6.76216	22.7518	27.1394	12.2476	36.6895	20.3015	26.2628
IFI27	25.7145	25.0925	34.7377	264.098	37.2221	172.688	10.034	15.5952	77.6738	23.5141	40.3848	11.7878	14.9683	7.70926	29.868
IFI27L1	2.07154	1.48156	1.68695	2.03472	2.31281	3.08681	1.3674	1.15064	0.82783	2.35625	3.32508	0.741123	1.87953	1.4041	1.53399
IFI27L2	8.37511	6.75726	9.14231	10.0607	15.0109	16.1193	8.0347	7.09076	8.26859	26.9321	55.1044	8.22655	13.5249	12.7949	6.12061
IFI30	9.83805	8.79688	10.7089	45.6112	15.0721	57.0477	16.2451	7.68285	29.392	35.9978	96.9291	5.99234	46.2188	13.4604	30.3912
IFI35	2.27728	1.909	2.09835	9.1964	5.63683	18.2714	2.49442	1.25051	0.834295	2.02166	7.87948	0.940578	3.51196	2.26429	5.74324
IFI44	3.74787	2.29592	1.80493	15.7664	1.45543	17.7685	1.26847	2.91444	1.22263	2.53677	6.0592	0.823663	1.39904	1.15429	3.80613

IFNA7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IFNA8	0.0222744	0.0107321	0	0	0	0	0	0	0	0	0	0	0	0	0
IFNAR1	3.35335	3.28994	3.7135	5.79215	1.68714	5.29352	2.29378	3.63156	1.65118	3.96094	5.5861	1.62225	4.33448	3.1936	4.4286
IFNAR2	2.40723	1.45949	1.7251	3.67207	1.52298	4.2552	1.65411	1.5281	0.463374	2.59889	4.59243	1.34026	3.47921	2.3021	5.87389
IFNB1	0.0269419	0.012981	0	0	0	0.114703	0	0.0478874	0	0.0338148	0	0.0192776	0	0	0
IFNE	0.0157008	0.453894	0	1.03553	0.902387	0.294119	0.0358534	0.544191	0.51629	1.97062	0.762145	1.29195	0.405204	2.26484	0.699
IFNG	0.0573795	0.0368617	0.0316456	0.0197104	0	0	0	0.0679921	0.0232939	0	0.0863657	0	0.0246806	0	0.0549361
IFNG-AS1	0.133354	0.0233644	0.0100291	0.0124932	0	0.0206454	0	0.0861922	0	0.0608631	0.0136855	0.0173488	0	0	0.0348207
IFNGR1	13.4693	11.8667	13.1992	41.5484	4.64364	23.0159	7.6223	12.9256	18.8583	22.6285	28.0787	11.813	30.6062	15.023	11.9993
IFNGR2	11.084	9.72118	9.90058	42.5396	9.2477	30.7792	8.71129	7.34939	13.3998	19.1906	30.8852	11.929	23.944	15.1538	15.3635
IFNK	0.913541	0.860754	0.722157	0.31381	0.567618	0.311147	0.347684	0.829921	0.0741727	0.356716	0.114586	0.610086	0.0785883	0.753321	0.93295
IFNL1	0	0	0.0223663	0.083585	0	0.0460421	0	0	0	0	0.0305206	0	0	0.0141303	0
IFNL2	0	0	0	0	0.048977	0	0	0	0	0	0	0	0	0	0
IFNL3	0	0.0167428	0.0287471	0.0358102	0.0539777	0.0295886	0.0793513	0	0	0	0	0	0	0	0
IFNL4	0.0141375	0.0272466	0	0	0.0439208	0.0120379	0.0484251	0.0628211	0	0.070976	0	0	0	0.00738886	0
IFNLR1	1.17212	2.06682	2.17387	2.73851	2.50381	2.13746	1.90177	1.12752	2.60051	3.15994	1.85848	2.05309	3.81429	1.49813	0.757474
IFNW1	0	0.00878006	0.0301505	0	0	0	0.0208063	0.016195	0	0	0	0	0	0	0
IFRD1	2.12527	2.34979	2.00801	3.79242	2.78002	2.98591	1.92209	1.8639	10.5441	5.3138	5.53068	3.15342	4.25799	3.25044	2.04816
IFRD2	3.50449	3.62638	3.93627	13.696	11.2837	13.4016	4.71539	2.21008	8.84576	9.30701	12.8731	8.90053	18.3802	11.8945	5.60218
IFT122	2.75611	2.73255	2.26252	2.02133	3.20804	4.14213	3.39553	2.41923	1.32602	1.161	1.37135	1.20771	0.973669	1.67594	1.63742
IFT140	1.37945	1.74415	1.68269	1.57549	3.9716	2.79804	1.91107	1.24936	0.652742	0.567926	0.699262	1.10648	0.980713	1.24905	1.78548
IFT172	1.93882	2.19261	2.17826	1.71881	2.03188	3.2585	2.29585	1.62524	0.391825	0.770405	0.979651	0.848116	0.767483	1.38722	2.219
IFT20	2.48466	2.00095	1.96424	3.88684	2.30085	4.42056	1.69753	1.75838	3.41212	5.28921	11.4011	2.72022	2.84335	2.97898	5.03799
IFT22	1.90204	1.536	1.58856	2.38215	1.4702	3.92106	1.46511	1.48176	0.809104	1.70192	4.28408	1.00282	1.4738	1.25094	1.22855
IFT27	2.22435	2.57687	2.8008	2.7979	7.29147	6.4619	3.67881	1.32272	2.15127	2.48387	5.3359	1.46285	1.82558	2.17122	2.60723
IFT43	1.59607	1.4419	1.53701	3.5466	2.49862	3.05783	1.5376	1.1525	2.05014	3.27091	5.46162	1.90934	2.59054	2.37871	2.31007

IFT46	2.45625	3.60987	2.85907	4.90985	3.01014	4.59282	2.80447	1.8648	3.78815	3.20678	6.81354	2.79081	2.99432	2.52878	2.39302
IFT52	3.87206	2.30572	2.71865	2.92621	1.92778	6.2897	2.79997	2.8147	2.1765	3.77573	5.95141	1.98913	2.58792	2.75536	3.807
IFT57	4.11127	3.16452	3.07238	3.04542	5.15163	6.0047	2.39243	2.14473	3.5639	4.53433	10	2.20758	4.30285	3.60639	3.20638
IFT74	1.33362	1.20319	1.05558	0.89656	0.256947	0.772241	0.464542	1.04777	0.646735	0.654561	0.861284	0.358415	0.509669	0.589628	0.579646
IFT74-AS1	0	0	0	0	0	0	0.0633669	0.0493228	0	0.139314	0	0	0	0	0
IFT80	1.17115	1.10286	1.20079	0.774257	0.392687	1.27442	0.584413	1.15726	0.522276	1.2478	1.40455	0.557973	0.724833	0.664229	1.1699
IFT81	1.22186	1.11652	1.25977	1.14751	0.44878	1.80916	0.50855	0.700743	0.329871	1.1785	1.62393	0.521117	0.95144	1.15451	2.24745
IFT88	1.47053	1.17421	1.25577	1.24656	0.267109	0.959298	0.595775	1.19095	0.577722	0.967486	1.21826	0.5855	1.27397	0.740672	0.664216
IGBP1	9.39664	9.20938	8.81157	15.4735	8.22932	14.7795	7.78393	7.39691	13.94	11.3388	15.4078	7.63132	11.1359	8.05157	6.78742
IGBP1P1	0.563483	0.349065	0.332966	0.124433	0.437642	0.0342713	0.137864	0.143079	0	0.202065	0	0.0287991	0	0.105179	0
IGDCC3	0.00516701	0.00248955	0	0	0.0401308	0.0175986	0.00589953	0.0229601	0	0	0.0233317	0.00369714	0.00333373	0.00270051	0.0296819
IGDCC4	0.438951	0.605249	0.782355	0.448674	3.17084	1.47681	0.66009	0.618456	0.0738868	0.801757	1.48656	0.14555	0.589443	0.941906	5.7965
IGF1	4.52733	0.740511	0.847632	2.42915	0.970148	15.5055	1.19616	2.40439	0.0946415	0.8778	2.04365	0.284195	1.42057	0.812285	6.54721
IGF1R	8.54427	8.46496	9.31826	8.7007	9.10353	10.0092	8.70339	7.12115	4.84028	6.85455	3.6784	6.44784	10.9839	6.82612	6.52755
IGF2	5.11963	2.83996	3.35732	3.91476	11.9246	13.2715	6.17924	2.16865	0.842734	4.17348	10.0212	1.38756	13.729	4.81188	42.1636
IGF2-AS	0.0223821	0.00720071	0	0.0230654	0.0677482	0.0667031	0.062451	0	0	0	0	0	0.0649836	0.0116978	0.0964304
IGF2BP1	0.0105568	0.0025432	0.00218332	0	0.00819915	0.00898894	0.00602668	0	0	0.00993736	0.0119173	0.00188841	0	0.00689678	0
IGF2BP2	1.01257	0.865096	1.58467	0.71538	1.14317	1.9466	1.40642	1.76731	0.743735	8.42449	4.27177	2.95037	8.58735	5.66314	2.8409
IGF2BP2-AS1	0.0604652	0.0873992	0.0875369	0.0467333	0.0234808	0.038614	0.155334	0.120907	0	0.284588	0.0170644	0.3353	0.0292589	0.474026	0
IGF2BP3	0.211454	0.136736	0.151912	0.0860168	0.0086437	0.146883	0.127069	0.182977	0.264304	0.244444	0.559072	0.0517608	0.104117	1.30873	0.11188
IGF2R	9.38775	9.58631	10.1045	11.6174	10.7986	13.7136	11.0272	6.93692	8.90411	13.123	8.72032	10.1053	14.4479	10.4607	12.1092
IGFALS	0.346636	0.388063	0.548221	0.0630386	0.760158	0.208345	0.675151	0.317122	0.0372497	0.012796	0.0115091	0.182373	0.0328894	0.106569	0.0439247
IGFBP1	0.0290925	0	0	0	0	0	0	0	0	0.018257	0.0985253	0	0.0656961	0.0380125	0
IGFBP2	4.99549	1.61757	1.03077	26.1443	26.4509	24.2837	2.89794	2.19415	6.77243	39.4438	24.9279	33.582	54.9705	48.3473	23.8586
IGFBP3	8.47961	2.94557	3.86405	8.97415	4.46801	26.4089	6.72899	2.70482	1.7462	17.1677	16.6028	7.40165	29.9317	17.8463	14.0727
IGFBP4	84.9648	35.5066	43.1631	110.224	219.762	711.637	49.3264	49.6897	8.52124	90.0636	230.422	17.7518	126.025	117.889	247.073

IGFBP5	47.7402	27.7292	26.2803	12.0643	31.8408	214.517	50.7007	30.1146	3.37469	17.7522	29.886	2.31711	90.6772	51.5947	96.4222
IGFBP6	10.4695	6.44107	8.60163	1.23445	4.87509	3.67193	15.4277	3.36406	0.729442	34.4594	32.8058	14.6224	47.1139	25.6311	18.0288
IGFBP7	65.3863	22.6993	25.4982	76.6354	119.45	192.401	39.9473	22.879	26.88	101.807	310.041	18.9235	68.2191	80.9352	160.713
IGFBP7-AS1	0.333233	0.11239	0.124053	0.103022	0.310576	0.0993103	0.114142	0.05923	0.0811681	0.0627363	0.112854	0.131141	0.0215	0.226411	0.334996
IGFBPL1	0.0455188	0.0187986	0.00537948	0.0201036	0.0101009	0.65336	0.0816701	0	0.00791954	0.0652923	0.124792	0.00930569	0.0629325	0.0237901	0.028016
IGFL1	2.76874	0.696011	0.672211	0.49622	17.437	6.25262	0.962122	4.09213	106.951	23.9476	78.1391	30.5134	5.78631	10.9316	26.0618
IGFL2	2.64146	4.68212	5.07207	0.649308	14.2667	1.50632	5.22945	4.93192	26.4443	36.0121	51.4035	19.0564	16.9644	14.73	7.65653
IGFL2-AS1	1.25288	1.13949	0.687097	0.130563	1.53068	0.0599331	1.51086	0.625536	1.25155	0.441711	0.31783	0.775596	0.0363304	0.16922	0.141517
IGFL3	3.1813	3.65513	3.96215	0.360266	5.6476	0.952556	5.02934	1.98841	24.4389	2.15	4.38058	4.85278	0.609	0.456781	0.351442
IGFL4	0.727007	0.486504	0.93556	0.665957	0.501908	0.343909	0.0461152	0.394841	0.245948	0.101385	0.41035	0.231197	0	0.189983	0
IGFLR1	1.04878	0.970209	1.70054	1.77251	1.47706	2.61953	0.957969	1.10605	0.187337	0.87755	3.22032	0.520298	1.79542	0.869712	1.64675
IGFN1	0.076425	0.0103859	0.00810566	0.39581	0.210033	0.17687	0.0380362	0.0174154	0.00477318	0.216438	0.110608	0.569276	0.398265	0.436301	0.208255
IGHMBP2	1.97249	1.98253	2.11599	2.56953	3.90949	3.5734	2.28553	1.60213	3.23629	2.29202	1.26201	2.63008	2.80207	2.38608	2.30318
IGHV1OR15-1	0.0415495	0.0200192	0.0343726	0.235499	0	0.0707576	0.0474398	0.0553886	0	0.104298	0.0234521	0.0297298	0	0.0108578	0.0298351
IGHV1OR15-3	0.0176127	0.0339442	0	0.0363007	0.0273586	0.0599878	0	0	0	0	0	0	0.0340908	0	0
IGIP	2.6843	3.21975	3.66106	1.85248	1.75301	1.83264	2.36537	2.7796	1.17808	2.06394	2.48425	1.42466	1.1494	1.54618	3.02149
IGLL1	0	0	0	0	0	0	0.02936	0	0	0	0	0.0367988	0	0	0
IGLL3P	0.034286	0.0495586	0	0	0	0	0	0.0304705	0	0	0	0.0981302	0	0	0
IGLL5	13.1465	2.23435	3.65539	0.879144	16.0038	0.968537	3.99607	14.8329	0.239764	0.796182	2.96321	0.219123	8.24212	0.0914599	4.90064
IGLON5	0.333794	0.382411	0.343638	0.359273	0.829596	0.372646	0.609784	0.263687	1.08406	0.614454	0.234461	1.1995	0.296721	0.577641	0.351538
IGSF1	0.0737431	0.0414523	0.0474487	0.0886602	0.0254552	0.467447	0.0654869	0.0254865	0.00997898	0	0.00462482	0.014657	0.00792978	0.0214119	0.0294179
IGSF10	0.890794	1.4445	2.28255	0.742348	0.24547	0.564355	1.28392	0.765178	0.0416995	0.0561964	0.171596	0.034786	0.0322868	0.0344133	0.121038
IGSF11	0.16861	0.359023	0.310469	0.0336304	0.0168974	0.250088	0.248404	0.188516	0.0264965	0.0955715	0.0306999	0.0194588	0.0105277	0.00284267	0.062489
IGSF11-AS1	0.0144554	0.0208945	0.0119585	0	0	0	0.0825234	0.0256935	0	0.018143	0	0	0	0	0.0622792
IGSF21	0.357146	0.166342	0.157577	1.22683	0.70271	3.21338	0.285444	0.317401	0.0724939	0.8218	1.62613	0.068146	0.437815	0.43554	0.76936
IGSF22	0.174898	0.199019	0.225227	0.288412	0.553036	0.128998	0.30511	0.159063	1.2698	0.144667	0.1409	0.449197	0.0668147	0.180161	0.124536

IGSF23	0	0.0225494	0.0193585	0	0.036349	0	0	0.0207964	0.0284991	0.02937	0.0528324	0.0334873	0.0452936	0.0122301	0
IGSF3	8.86324	13.717	12.5035	13.6711	17.0008	9.63373	11.8797	7.36581	16.5953	11.1677	7.10635	14.6018	21.5774	10.6924	5.82442
IGSF5	0.100817	0.0323834	0.0926697	0	0.0174004	0.0476912	0.0127899	0.0398211	0.0136426	0	0.0379365	0	0	0.00585458	0
IGSF6	1.10838	0.769012	1.0453	2.55858	0.860851	1.56667	0.809931	0.985039	0.269977	4.31252	8.70854	0.586878	3.50411	1.41347	2.67419
IGSF8	5.55166	8.72696	9.96025	11.0244	20.0069	13.4003	13.5484	4.71076	13.4638	20.9886	10.4525	18.5005	27.7342	12.6858	7.44597
IGSF9	1.92287	4.00086	4.38397	2.79543	6.88936	2.41696	3.30626	2.04455	1.52637	2.89464	1.08534	2.41186	5.90034	3.73874	1.12596
IGSF9B	0.70042	1.02414	1.50493	0.200501	1.04266	0.92359	1.76049	1.17579	0.0888576	0.268614	0.0439271	0.50465	0.150636	0.251673	0.565814
IHH	0.0111694	0.0161448	0.0277204	0	0	0	0.0127529	0	0	0.0140188	0	0.015984	0	0.0175129	0
IK	13.539	11.3697	12.3481	17.9334	9.71649	24.3499	7.44241	9.72577	17.0425	15.2815	14.6763	11.4847	19.639	11.7955	10.4948
IKBIP	0.564633	0.450084	0.505243	1.5186	0.60761	1.37495	0.419019	0.3964	0.247544	2.49439	6.30992	0.351981	2.97251	2.03314	3.05687
IKBKB	5.54392	7.8618	8.18493	8.05433	9.49598	9.20583	6.0585	5.23154	5.31135	4.0584	3.24465	5.45393	5.5455	6.26871	5.06443
IKBKE	1.91194	2.56459	1.90684	3.65913	4.2427	4.45851	1.39194	1.76429	1.0385	2.42475	2.15833	2.10687	1.94706	1.90104	1.53075
IKBKG	3.29884	3.35548	3.10278	5.83284	8.72576	8.23078	3.01711	2.52266	3.01124	3.66964	3.05207	4.0987	5.85169	3.87593	3.66029
IKZF1	1.06853	0.597957	0.78037	1.19865	0.778026	1.28419	0.587765	1.04853	0.12539	0.562288	0.879544	0.205077	1.22083	0.474108	1.61047
IKZF2	0.39782	1.15236	1.705	0.735961	0.145181	0.577487	0.807194	1.85507	0.265599	0.237621	0.557304	0.28808	0.282957	0.519795	0.519694
IKZF3	0.577049	0.335513	0.467527	0.523308	0.500308	0.34625	0.197312	0.604946	0.0901219	0.101583	0.21928	0.136534	0.471468	0.196689	0.8867
IKZF4	0.775494	0.686647	0.611314	0.686198	0.876656	1.56957	0.755633	0.801055	0.311526	0.361812	0.563764	0.485164	0.565835	0.564461	0.915457
IKZF5	2.5554	2.2793	2.39669	1.587	0.792391	1.89316	1.92314	2.8142	1.81692	1.44359	2.04267	1.36016	1.41587	1.26011	1.38917
IL10	0.070991	0.0410454	0.046983	0.424318	0.132328	0.580299	0.113477	0.100945	0.0345836	0.641527	2.06761	0.0203184	0.430548	0.0964677	0.53015
IL10RA	3.00671	1.15129	1.35996	4.64774	4.32871	7.91995	2.33051	2.17787	0.446564	2.4698	4.9533	0.826442	3.98625	1.70559	6.29272
IL10RB	3.92995	4.93564	5.0085	8.42823	6.34289	10.3605	3.48996	4.00654	6.81285	6.04342	10.1785	3.31865	9.47989	5.04547	6.94896
IL10RB-DT	0.592146	0.499284	0.326577	0.966188	0.996458	0.462188	0.788776	0.306979	0.240389	0.185801	0.835574	0.211848	0.604912	0.851074	1.20473
IL11	0.0389286	0.0984711	0.0486847	1.52445	0.256996	0.0580076	0.211125	0.0778421	0.248906	1.53907	2.14234	0.515307	7.80504	6.79556	2.87917
IL11RA	4.80879	6.62686	8.81706	1.41215	7.98212	4.38631	4.23014	4.87128	0.370864	0.668843	1.93364	0.889709	0.442059	1.05438	4.86519
IL12A	0.0320763	0.0231823	0.0398037	0.0330556	0	0.0546251	0.0366237	0.0427601	0	0	0.0181051	0.0114757	0.0620864	0.0586757	0.138197
IL12A-AS1	0	0	0.0157967	0	0	0.00812954	0	0	0	0.0239661	0.0215558	0.00683147	0	0.0149698	0

IL12B	0	0.00950207	0	0	0	0.0251888	0	0.00876337	0.0120092	0	0.0111315	0.00705559	0	0.0103073	0
IL12RB1	0.128004	0.0986785	0.0900096	0.197867	0.437434	0.283383	0.14615	0.136511	0.0467682	0.160658	0.24565	0.0320565	0.359255	0.153871	0.358467
IL12RB2	0.674389	0.866482	0.666761	2.4522	0.885741	2.11019	0.782516	0.594468	1.01498	1.54146	1.60306	1.13378	1.01172	1.22647	0.826775
IL13	0.0147596	0.0142228	0.0122102	0	0	0.0125676	0.016852	0.0262342	0	0	0	0	0.0476141	0	0
IL13RA1	8.71186	6.68874	8.02909	38.8702	5.29456	32.0973	5.06581	9.33912	16.9564	30.8596	26.6408	16.7744	52.9508	22.2195	14.3117
IL13RA2	0.421396	0.0243642	0.0557773	0.312668	0	0.11482	0.0577363	0.0599202	0	0.169246	0.380563	0.0482432	1.00053	0.43167	0.338899
IL15	0.493982	0.287989	0.205558	0.667223	0.346214	0.87629	0.272606	0.270723	0.0100269	0.175666	0.743525	0.100146	0.265595	0.305509	0.768539
IL15RA	1.23101	1.40436	1.69511	2.23436	1.70247	4.05074	1.2151	1.36929	0.183777	0.697764	0.995177	0.420522	1.68072	0.933941	1.9846
IL16	2.63573	2.22424	3.20113	1.32658	1.96792	2.0967	3.0647	1.95052	0.88478	0.828631	1.44455	0.8919	0.784499	0.829998	1.95853
IL17A	0	0	0	0.0382409	0	0	0	0	0	0	0.0279269	0.0088506	0.2474	0.129295	0
IL17B	0.380835	0.0423443	0.218114	0.0905681	0.409547	0.34922	0.468273	0.130175	0.107034	0.0367682	0.363774	0.0628841	0.056703	0.122487	0.210357
IL17C	0.0664394	0.0106705	0.0366422	0.0228226	0.0344011	0.0377148	0.0252861	0.0590458	0.296691	0.0277961	0.0750018	0.0316928	0.0571551	0	0.0954153
IL17D	1.05704	0.539259	0.802447	0.217863	0.405659	0.624747	1.73225	0.497336	0.0151454	0.249732	0.308847	0.124574	0.320941	0.110491	0.446485
IL17F	0	0	0	0.0295168	0	0	0	0	0	0	0	0.0204944	0.351119	0.134728	0.0822682
IL17RA	2.41431	2.22161	2.28645	4.22801	3.51224	7.08986	2.92541	1.90434	2.10541	2.81763	2.38859	1.61016	5.91175	3.02251	3.89967
IL17RB	0.408407	0.442747	0.300323	0.444257	0.511042	0.676186	0.362682	0.302465	0.303963	0.299012	0.53788	0.227287	0.263502	0.415044	0.602816
IL17RC	4.95748	7.05657	7.28434	5.81842	16.257	8.69763	6.55744	4.66498	12.026	9.40442	8.96153	5.70917	9.86217	6.04143	3.28059
IL17RD	1.29203	1.92224	2.04817	1.09851	1.11411	1.28741	1.92215	0.947307	1.65839	0.898025	0.945329	0.828507	1.37495	0.547367	0.843053
IL17RE	3.4924	5.97313	6.24242	4.61684	10.4816	3.77435	5.2415	3.57423	2.98312	4.63125	2.44398	4.43809	5.91869	3.00635	1.61132
IL17REL	0	0.0981627	0.147476	0.0131222	0.168125	0.0108424	0.0945012	0.0226329	0.00775396	0.0479454	0.00718724	0.109334	0.00410778	0.00665506	0.100578
IL18	7.42514	12.6672	15.6736	9.64793	5.20275	7.92023	10.6664	12.3729	20.0764	14.3335	11.867	8.66235	6.32681	2.72071	3.12949
IL18BP	1.90468	1.96212	2.36023	1.40437	2.95863	3.83398	2.48407	1.94061	0.329997	0.740176	1.05258	1.08344	0.925523	1.55776	2.38057
IL18R1	0.765626	1.03469	0.937195	1.85383	0.609144	1.00703	0.69649	0.774467	1.0689	0.664064	0.772948	0.694803	0.915664	0.403403	0.64363
IL18RAP	0.0866456	0.0960185	0.143359	1.27686	0.0942134	0.368888	0.108822	0.0847038	0	0.152249	0.117375	0.0433981	0.111807	0.140383	0.199095
IL19	0.0235074	0	0	0.0242251	0	0.0200163	0	0	0	0.0295042	0.106148	0.00841009	0.280587	0.055287	0.185678
IL1A	0.0710394	0.152124	0.0783584	0.300967	0.147132	0.107536	0.144196	0.154327	2.1245	4.50762	3.55529	2.95947	8.58628	2.66499	1.54166

IL1B	0.401682	0.253086	0.217273	6.78233	0.287977	0.881377	0.0881976	0.411902	4.3652	26.9721	29.4567	1.75765	29.116	4.47326	14.9985
IL1F10	0.73704	0.923304	1.24656	0.421967	0.865018	1.08781	1.14074	0.771468	2.53331	2.61073	5.54684	1.55868	1.59568	2.08869	0.352827
IL1R1	10.3081	6.98574	8.30999	15.4875	7.24103	36.0061	7.78654	9.70847	4.02377	12.2483	17.3995	4.0711	16.0614	10.4836	20.8165
IL1R2	4.1001	5.97894	8.73324	25.5059	1.26954	3.12002	2.65951	3.13538	4.84415	5.41958	8.56502	2.63158	18.6054	3.33892	2.19098
IL1RAP	1.43663	2.03683	2.14226	6.67674	1.02203	3.74348	1.35313	2.19051	2.24466	3.8512	3.75462	2.64617	5.61593	4.12022	1.50549
IL1RAPL1	0.0431935	0.066596	0.0857584	0.00890242	0	0.0441344	0.0493169	0.0383867	0	0.0108424	0.019504	0.00618121	0	0.0135449	0.0248125
IL1RAPL2	0.0620249	0.0560335	0.0705532	0.00798981	0.144519	0.0264067	0.0265568	0.0137806	0.0188848	0	0.0350092	0.0221902	0	0.00405212	0
IL1RL1	1.91124	0.809377	0.980057	1.54037	0.452869	2.52582	0.702737	1.5546	0.501604	4.11802	1.46797	1.9172	18.0225	2.61936	1.22285
IL1RL2	1.13685	2.31621	2.16311	2.51885	2.8507	1.26533	1.38147	1.50829	3.18448	3.42448	1.74171	3.00394	3.77223	2.38516	0.711374
IL1RN	6.21018	13.9898	14.715	47.5977	11.0927	13.8958	13.681	9.07191	35.7488	140.4	52.2004	55.8456	131.172	46.9809	14.3453
IL2	0.0290013	0.0139733	0.0239919	0.0298867	0	0	0.0331128	0	0	0.0363996	0	0	0	0	0
IL20	0.0187545	0.0542172	0.0310301	1.2176	0.26219	0.255507	0	0.0500023	0.433977	0.282466	0.57163	0.40258	2.11755	0.450888	0.0269338
IL20RA	1.88237	4.46937	3.61724	2.48712	6.07705	2.75844	2.91728	2.51721	23.0111	1.98485	3.76363	3.54666	0.822353	0.903621	0.516934
IL20RB	16.4467	40.4008	37.4583	26.146	50.6381	21.3337	21.7229	23.6337	58.4377	19.2226	16.4849	19.0685	19.0917	13.142	5.31197
IL21	0	0	0	0	0	0	0	0	0	0	0	0	0.0211199	0	0
IL21-AS1	0	0.0089253	0	0.0190898	0	0.0315464	0	0	0	0.00774998	0.00697055	0	0	0.00968162	0.0266033
IL21R	0.127585	0.109736	0.165198	0.646101	0.661313	0.275837	0.0860667	0.194811	0.0663972	0.162189	0.307722	0.065015	0.650737	0.243618	0.750329
IL21R-AS1	0.0523888	0.0676935	0.0882299	8.43E-09	0.0452715	0.0957127	0.0142341	0.0452497	2.37E-09	0.095083	5.38E-07	1.16E-06	6.35E-15	0.0805196	1.76E-08
IL22	0	0	0.0328679	0.0204717	0	0	0	0.0176546	0	0	0	0	0.0512679	0.0311474	0.0285291
IL22RA1	1.9377	5.35699	7.20706	5.12903	5.0489	3.98511	6.11088	4.45099	10.6481	4.84442	5.53031	3.81841	4.63278	1.9642	0.886452
IL22RA2	0	0.0346414	0.0660876	0.222278	0.0124091	0.0136044	0.00912116	0.0141993	0.00972925	0	0.0180363	0.00571608	0.0154627	0	0
IL23A	0.310943	0.214024	0.128617	0.251771	0.276001	0.321499	0.202871	0.177647	0.0540991	0.0278761	0.200581	0.095352	0.315258	0.0928643	0.223277
IL23R	0.032897	0.0317006	0.0680368	0.025426	0.0383253	0	0	0.0365452	0.0300486	0.0206446	0.0464208	0.00588467	0.0477562	0.0386852	0
IL24	0.0643122	4.06E-31	0.0151507	11.6739	0.438061	0.428045	0	0.0365233	0.0161459	4.7474	11.334	0.768633	25.5042	13.2931	10.2112
IL25	0	0.00815704	0	0	0	0	0	0.0601832	0	0	0	0	0	0	0
IL26	0.0663125	0.0106501	0.0182861	0	0	0	0	0.0392887	0	0	0	0	0.028523	0.150184	0.0952331

IL27	0.0443353	0.0213614	0.0733547	0.114222	0	0.320883	0	0.0394016	0	0.0834681	0.0250245	0.0317231	0.0858148	0.0811006	0.0318356
IL27RA	0.704997	0.805163	1.38966	1.39922	1.4331	1.57114	0.417378	0.734834	0.159001	0.568048	1.04149	0.230425	1.78013	0.868843	1.34995
IL2RA	0.259064	0.0658777	0.107158	0.452371	0.100604	0.839466	0.131463	0.191862	0.00876419	0.379344	0.674262	0.0257454	0.756804	0.31969	0.599412
IL2RB	0.693425	1.0258	1.31312	1.31753	0.900412	2.70773	1.71954	0.905129	0.105564	0.509953	1.27203	0.251958	1.44704	0.617236	1.68049
IL2RG	1.31255	1.76637	2.1467	4.85076	2.08571	2.505	1.20579	2.26592	0.257235	2.17757	3.74683	0.885187	4.77934	1.49026	5.11328
IL3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IL31	0	0.0246696	0	0	0	0	0.0584601	0	0	0	0	0	0	0	0
IL31RA	0.0420783	0.162192	0.269778	0.0162611	0.0245108	0.0850941	0.240218	0.130885	0.0256233	0.204649	0.0771893	0.0451622	0.376688	0.0989637	0.188843
IL32	3.94821	1.93238	2.82729	10.2281	10.0115	6.01943	2.85087	2.41319	0.81725	3.2122	10.2353	1.06079	10.1895	4.95893	11.273
IL33	5.57605	5.26549	5.90162	11.8713	1.51391	14.1691	2.25293	4.83483	3.53172	6.1162	13.3649	1.21181	3.57189	1.41122	4.94472
IL34	1.0986	8.89959	13.8623	1.58002	8.28874	2.90912	6.78175	6.26577	9.7775	0.439416	1.56726	0.665143	0.778914	0.498461	1.71643
IL36A	0.104248	0	0	30.564	1.82175	0.0665743	0	0.0231617	3.26928	0.228973	0.764939	1.21212	1.41247	0.12259	0.0374283
IL36B	0.71819	0.793494	1.17803	0.497664	0.365454	0.210872	1.32898	0.528221	4.88611	0.730447	0.936553	0.815126	0.495329	0.375357	0.124481
IL36G	16.9756	5.16132	3.08035	51.9881	16.8179	6.11341	6.80223	8.06076	87.9532	21.5456	24.8109	57.6435	74.0803	14.6503	2.90681
IL36RN	7.2379	14.3037	10.8613	78.9458	48.7839	12.4455	18.8769	8.96575	162.775	84.3818	71.0922	60.586	167.701	42.9452	9.58766
IL37	3.94923	9.31445	12.7256	0.882264	9.05163	2.1164	18.7932	6.35683	71.8098	2.66899	11.2858	3.99166	0.10691	0.0288677	0.079323
IL3RA	1.18422	0.792284	0.884502	1.49235	0.967053	1.82079	1.0276	0.902089	0.280208	1.37591	2.42158	0.39704	2.48864	0.983205	2.33238
IL4	3.62E-21	1.01E-06	0.026628	0	0	0	0	0.0286059	0	0	0.145344	0	0	0	0.111444
IL4I1	0.129922	0.20107	0.237848	1.79191	0.636605	3.08526	0.234629	0.2	0.0795557	0.571451	0.942041	0.146865	1.73573	0.429696	0.99872
IL4R	5.35471	5.10894	7.58902	40.951	12.3396	25.5541	5.56293	5.11447	5.01652	20.0592	11.5583	11.6165	41.0632	18.9935	17.4505
IL5	0.0850847	0.0273301	0.0469254	0	0	0	0.194294	0.0252054	0	0	0	0	0	0.014823	0.0407308
IL5RA	0.0513801	0.0636575	0.103227	0.0226923	0.0342047	0.0156248	0.0460932	0.0391391	0.013409	0.0276374	0.0372868	0.00787796	0.0260466	0.019181	0
IL6	0.291964	0.0656474	0.064409	27.38	1.02798	13.9053	0.133342	0.172982	0.0237053	6.71818	19.0942	0.974906	49.2038	5.97148	17.8342
IL6R	2.19974	2.83992	2.75591	5.75445	2.72699	5.86832	3.26025	1.91735	2.94523	3.71219	2.86924	3.26145	5.28136	3.72358	3.04265
IL6R-AS1	0.105136	0.012664	0.021744	0.0270864	0.0204141	0.100712	0.0300102	0.0817566	0	0.0494837	0.044507	0	0.0339166	0.00686858	0
IL6ST	14.8846	7.88543	10.1981	9.98005	2.2977	16.5726	7.42767	12.0304	3.71592	10.8539	13.2436	4.01793	16.9521	7.8785	14.5805

IL7	1.00331	1.65971	2.35169	1.41305	0.346331	1.08212	0.649144	1.27805	0.162923	0.47572	0.578891	0.191439	0.640139	0.180618	1.1367
IL7R	2.54643	1.07023	1.58512	5.867	0.660544	3.25023	0.451253	2.12968	0.231529	6.32935	11.9899	0.289952	9.41851	2.80292	4.37548
IL9	0.0391591	0	0.0323952	0	0	0	0	0	0	0	0	0	0	0	0
IL9R	0.0457172	0.115031	0.113461	0.0680519	0.0867956	0.0216264	0.0753977	0.045144	0.00618649	0.00637553	0.0802807	0.0327119	0.0491608	0.0637168	0.175082
ILD1R1	0.40869	0.351354	0.271803	0.0412908	0.211612	0.388934	0.402582	0.377453	0.00975957	0.0402312	0.0542776	0.137613	0.0155109	0.0167529	0
ILD2R2	0.0142384	0.0109764	0.00942319	0.0117384	0.030964	0.0242476	0.0260111	0.0101231	0.0104044	0	0.00964401	0.00203759	0.0165357	0.00446496	0.0163585
ILF2	18.7475	14.4969	14.4946	37.4641	13.6554	37.014	16.0538	13.3915	25.9531	29.2448	42.7252	17.5934	39.8668	25.4535	16.7228
ILF3	13.1462	14.6657	15.8662	19.433	16.3703	24.8032	14.4619	10.7615	9.78372	11	7.83103	12.2496	17.9153	15.4229	12.9556
ILF3-DT	4.11995	2.88332	3.77961	2.65654	3.45012	5.81087	3.57401	2.63871	3.48992	1.86328	2.61126	1.11165	1.72261	1.34128	1.83453
ILK	8.74483	9.16649	10.2734	15.045	14.3731	20.3638	14.6383	5.90872	12.5456	17.6193	31.5277	8.62062	22.7119	14.2257	19.0356
ILKAP	5.22844	4.86828	5.20101	8.0325	7.44892	5.89951	3.97367	3.67737	4.59018	4.93173	6.19194	4.79685	6.87089	5.31434	3.24763
ILVBL	5.78824	6.55838	7.05536	9.85292	15.8694	16.8993	7.357	4.7647	8.2465	11.4393	9.86295	9.03631	11.4407	7.7887	5.77465
IMMP1L	1.58597	1.37925	1.36355	1.57577	0.278929	1.29002	0.725133	1.34578	0.754981	1.09978	1.93874	0.469636	1.2298	0.997083	0.788702
IMMP2L	1.00595	1.19974	1.31507	0.831888	0.96456	0.930576	0.964224	0.778115	0.29494	0.233809	0.532747	0.426539	0.316504	0.402428	0.633158
IMMT	8.52158	6.68826	6.63488	12.4693	5.92963	14.7416	6.15474	5.87354	7.9457	8.16913	11.3783	6.28498	12.9866	7.71438	6.62291
IMP3	12.795	12.0057	13.3509	20.2693	16.8575	20.3422	13.8411	9.4123	20.4738	13.8084	25.9569	13.4721	20.1139	14.8974	7.08184
IMP4	4.54525	3.27547	3.4194	6.44085	5.62022	8.07611	3.36767	3.16028	3.06921	3.21847	5.9638	3.22249	6.47043	4.87496	3.27235
IMPA1	1.21602	0.849397	0.867592	2.28086	0.479722	1.44631	0.558305	1.10357	0.689557	2.02691	2.94158	0.805646	2.91413	1.73515	1.5708
IMPA1P1	0.0247784	0.00596931	0.00512462	0.0319186	0.00962236	0.0105493	0	0.0110105	0.0150887	0	0	0.0487565	0	0.022663	0
IMPA2	46.9185	37.2536	31.9882	65.8851	69.2553	58.0026	38.7162	35.8629	94.6979	55.4858	75.6742	60.1399	49.7305	38.8994	16.0235
IMPACT	4.63723	3.29061	3.24527	4.57572	1.11923	4.64596	2.65084	3.76544	3.51758	3.88014	5.92311	2.80251	3.83426	3.06413	3.20159
IMPAD1	7.85519	5.38101	5.60067	7.68926	3.32642	9.4905	5.43099	8.00231	8.79095	9.30465	12.5389	6.27971	12.2759	7.56182	6.70703
IMPDH1	5.99097	5.45099	4.99114	15.8879	18.9802	20.8512	7.37167	2.63206	9.76966	17.6298	14.9206	12.9811	27.3729	14.1167	9.70963
IMPDH2	33.955	31.731	34.2265	69.2639	36.5444	67.0657	37.2374	24.8003	29.0524	28.085	38.4391	27.7036	40.548	34.2481	21.2469
IMPG1	0.0715295	0.0845935	0.0914511	0.0201036	0	0.0276848	0.0742455	0.0693485	0.00791954	0.0897769	0.0293629	0.0372228	0.0041955	0.0815661	0.0560321
IMPG2	0.130235	0.106807	0.112324	0.0885222	0.0473468	0.12505	0.0126552	0.0591023	0.0337472	0.0834681	0.0750736	0.0594809	0.0965417	0.0912381	0.254685

INA	0.236373	0.262288	0.225172	0.457652	0.678706	1.22591	0.228992	0.4456	2.84386	0.881027	1.36652	1.82457	0.771776	1.21667	0.133727
INAFM1	6.62644	7.00491	7.36368	7.72056	24.9645	19.6849	6.04138	2.90056	10.9009	6.42385	10.6065	6.75826	8.16781	5.71179	5.71695
INAFM2	2.236	1.59715	1.38913	2.63601	2.63537	4.66721	1.40067	1.30674	4.67288	4.37888	4.27242	1.55012	4.59742	2.57372	2.4365
INAVA	7.00381	12.9995	13.4601	11.5028	17.3632	11.0198	12.8582	8.63195	17.0406	11.5713	8.04876	12.4612	14.5993	9.35404	2.8652
INCA1	0.193728	0.466706	0.320531	0.491427	0.833335	0.87554	0.442385	0.185413	0.308536	0.261852	0.50468	0.319887	0.192296	0.342695	0.428028
INCENP	2.57889	3.06603	2.73377	5.34975	3.67642	7.0107	3.43525	1.74621	2.06667	2.22091	1.8022	3.81437	7.16334	3.79555	1.82776
INE1	0.964294	2.4558	1.80439	1.04105	2.13983	1.66172	2.30686	1.81599	0.335543	1.29674	0.259183	2.03708	0.459211	1.96793	2.20916
INE2	0.00013212	0.00025546							0.00058780						
	1	9	0.0456486	0.0154792	0.563594	3.67E-05	1.58E-08	2.94E-09		2.50E-06	3.79E-10	0.0145704	9.21E-14	3.19E-05	1.37E-12
INF2	5.38989	5.70254	5.80658	9.15187	14.9954	13.1495	9.34249	4.70153	5.3041	7.01005	5.6342	6.83599	7.40285	7.31507	8.99987
ING1	0.899185	0.781947	0.830049	1.09049	0.911291	1.91878	0.594712	0.77963	1.05504	1.09416	1.57831	0.702238	1.32302	0.991488	1.22048
ING2	1.58456	1.09361	1.30377	1.61528	0.359225	1.49509	0.801912	0.745976	2.11758	3.03154	2.53327	1.42184	3.45387	1.89357	1.32847
ING3	1.69843	1.10954	1.03165	1.56895	0.522897	1.60254	0.847315	1.13547	1.0063	1.58438	2.19369	0.788286	1.82637	1.16757	1.69203
ING4	5.68986	6.9538	6.33337	4.6118	8.54041	7.2945	5.54757	4.4459	7.12426	5.31591	8.57021	3.1678	3.10391	3.28284	3.81025
ING5	1.73274	2.03677	2.1028	1.59579	3.96384	1.90573	1.93006	1.52	1.11578	0.859283	1.00051	1.03497	1.02961	1.40915	1.19416
INGX	0.131358	0.135449	0.0920204	0.0310138	0.178391	0.0919701	1.10E-12	0.096293	0.131559	0	0.0725196	0.0660811	0	0.184456	0.0864404
INHHA	0.274935	0.412988	0.240825	0.216663	0.829016	0.358041	0.221585	0.201221	0.118179	0.0811933	0.0182569	0.196723	0	0.118335	0.0696779
INHBA	2.04181	0.577393	0.811413	3.25651	0.681753	1.33561	0.793068	0.678352	0.762276	5.89177	9.16809	1.16878	8.19967	5.17612	6.63192
INHBA-AS1	0.00511562	0.00739435	0.004232	0.0105436	0	0.0130676	0	0.00454633	0	0	0.0115498	0	0	0.00534729	0
INHBB	6.13778	1.7848	2.48504	2.05382	3.01726	11.1596	2.15184	2.38726	0.131914	0.797544	0.74994	0.816348	2.89318	2.29457	2.11551
INHBC	0.0350546	0.0236458	0.0231997	0.0144499	0	0.101485	0.0320194	0.0311536	0.00853851	0	0.0237434	0.020066	0	0.00732843	0
INHBE	0.0187849	0.0181017	0.0233103	0.0871129	0.0291795	0.0159951	0.021448	0.00834725	0.0228779	0.023577	0.0424117	0.0403234	0	0.058907	0
INIP	1.87905	1.90021	1.91456	2.20991	1.07188	3.39885	1.44847	1.81618	1.93938	2.04527	3.25972	1.29133	2.6884	2.43854	1.64657
INKA1	4.1613	5.32874	5.4123	6.12292	13.5501	7.54134	5.81836	3.40157	6.9109	6.22833	8.08889	4.95192	5.64249	3.74497	2.10923
INKA2	1.54617	1.95786	2.25035	1.71111	1.98932	3.75903	1.63058	1.54672	0.728511	1.37659	1.19085	0.703035	1.42757	2.62085	3.02268
INKA2-AS1	0.0760213	0.177629	0.194917	1.28E-06	0.138606	0.375444	0.0705336	0.0978138	0.026453	0.209559	0.334894	0.0695937	0.0560555	0.122638	0.343125

INMT	3.30937	1.82787	1.79882	0.826442	3.74086	2.79048	2.90847	1.10272	0.448044	0.809089	0.725509	1.09663	0.220418	0.861253	1.67918
INMT-MINDY4	0.00025886	0.0237146	0.0382331	0.058639	0.00023473	0.00526789	0.135903	0.089575	3.60E-05	0.00027641	0.0198265	5.08E-05	0.00927481	0.00049362	0.00935077
					2					6				3	
INO80	4.94932	5.12864	5.23757	5.25406	3.98242	5.47138	4.67115	3.98487	4.33591	3.25888	2.83262	3.88227	4.73711	4.26682	4.14149
INO80B	2.94213	6.78686	6.57942	4.87394	11.7728	8.62109	4.76261	4.59981	6.35136	4.20865	6.0822	6.00479	4.58992	3.28765	2.52596
INO80B-WBP1	3.25126	2.13072	2.24504	2.86448	2.59011	1.73599	1.45394	0.693458	1.65408	1.01787	0.760348	1.44175	0.464498	1.18244	0.939026
INO80C	2.7426	2.26272	2.03577	5.0332	3.82252	5.05445	3.08852	1.61937	6.52022	5.6585	8.05821	4.39526	8.58087	4.23148	1.67261
INO80D	4.8362	4.41263	4.61303	3.63244	1.80051	3.36937	4.68065	5.53766	2.93301	3.46031	2.80181	3.36203	4.13328	3.28658	3.40922
INO80E	5.0956	6.16291	4.9696	7.27239	10.6824	10.6271	5.72488	4.02333	4.31531	5.46452	10.289	6.12798	7.23546	6.1461	6.13375
INPP1	3.39175	5.57791	6.25791	6.329	5.08573	6.09492	3.70156	2.9097	12.0535	3.8004	6.12376	4.12645	4.55616	4.04863	2.4278
INPP4A	2.11821	1.75974	1.8426	2.0175	2.30322	3.38318	2.17666	1.62294	0.7192	1.80058	1.68833	1.29977	1.80979	2.13362	3.21716
INPP4B	1.53872	0.923246	1.0966	1.2562	0.507006	1.35747	0.854349	0.994536	0.494864	1.68323	1.66434	0.781662	1.43545	1.17323	2.10139
INPP5A	3.20299	3.03809	3.47061	2.80887	2.08769	5.24063	4.75418	2.92469	1.92748	3.05841	4.01989	1.62674	3.38753	2.51432	3.72499
INPP5B	2.31862	2.66912	3.06581	2.4933	2.40109	4.07118	2.65282	1.93262	2.05794	2.00033	2.37357	1.70026	2.21452	2.0749	3.27468
INPP5D	1.67154	1.55062	1.652	2.32892	3.3235	4.55071	1.58788	1.4578	0.803442	1.48255	1.86181	0.701672	1.78019	1.51661	3.36077
INPP5E	1.85253	2.72369	2.86789	3.03208	5.17337	4.41906	2.31735	1.35584	1.83314	1.79513	2.24505	2.26609	2.6014	2.67327	2.64091
INPP5F	2.87355	3.00084	3.19447	3.0498	1.38112	3.20022	2.0794	2.92787	1.91461	2.66856	2.86082	1.61047	3.03457	2.33918	2.34406
INPP5J	0.92701	1.29031	0.958609	0.318437	3.04993	0.350816	1.7273	0.915387	2.32855	0.468629	0.319757	1.7642	0.215981	0.373465	0.147923
INPP5K	5.72399	4.89417	4.67852	4.97925	8.62483	7.59131	6.22198	4.37339	12.6466	5.71118	6.99623	4.89121	5.87178	3.93856	3.40051
INPPL1	4.34392	4.44372	4.8605	5.0026	8.76046	12.0242	5.44172	3.09714	2.42104	4.10907	4.39398	2.40226	4.41145	5.47187	10.0449
INS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INS-IGF2	0.00342517	0.00755459	0.00076812	0.00092705	0.00390906	0.00481272	0.00400006	0.00030109	0.00024617	0.00312363	0.00207377	0.00015866	0.00378457	0.00245288	0.036298
			8	3				4	8			7			
INSC	0.085874	0.0137918	0	0.00737464	0.044464	0.0365603	0.0408534	0.0127196	0.00871541	0.0628721	0.0403921	0.0102409	0.00923425	0.029921	0.0205543
INSIG1	4.08621	2.9497	3.42852	7.19307	3.52376	7.26204	4.94775	4.07734	4.64891	5.53014	9.02048	2.85615	10.6816	3.56066	3.39359
INSIG2	2.86057	2.68019	3.22887	2.30331	0.94569	3.20978	1.92348	2.69047	5.24099	4.86732	6.38316	1.9573	2.89488	2.23169	2.07203

INSL3	0.128573	0.0495586	0	0.105998	0.079887	0.350329	0	0.0457058	0	0.0322743	0	0	0.149318	0.0403186	0.332363
INSL4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INSL5	0	0.0155302	0	0	0	0	0	0	0	0	0	0	0	0	0
INSL6	0	0.0629982	0	0	0	0	0	0	0	0	0	0	0.0210901	0	0
INSM1	0.00818354	0.00788591	0	0.0590336	0.0254237	0.00696818	0.196218	0.0290914	0	0	0	0	0.137279	0.0256625	0.0235052
INSM2	0.0614485	0.0592137	0.101669	0.0237467	0.035794	0.0130807	0.0789299	0.0341315	0.028064	0.0192811	0.0173419	0	0	0	0.022062
INSR	4.71712	5.05538	5.50171	6.03819	5.98706	10.3045	4.73097	3.82306	4.28761	3.64289	3.05046	3.43006	8.62154	5.56	5.42876
INSRR	0.0165583	0.0106374	0	0	0.120031	0.00469974	0.0378116	0.00981045	0.0134441	0.0277099	0.0186923	0.0157973	0	0.0519247	0.182312
INSYN1	0.325413	0.423703	0.34612	0.299417	0.758217	0.814761	1.05714	0.241	0.589756	0.233387	0.472308	0.163543	0.159966	0.30168	0.244794
INSYN1-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INSYN2	1.24459	1.28029	1.50749	0.703528	1.26438	0.549997	1.47499	1.59613	0.0831435	0.60638	0.237128	0.743993	0.121975	0.982576	1.3198
INSYN2B	0.782539	0.294912	0.407011	0.355308	0.252739	0.781775	0.389238	0.550857	0.0802068	0.165316	0.297379	0.0859296	0.299935	0.263211	0.617548
INTS1	6.46771	6.95039	6.55298	10.8989	20.2787	16.1598	9.3094	6.22278	8.70142	5.73941	4.30432	7.97818	11.035	7.77523	8.23045
INTS10	8.20204	6.52669	7.06739	9.7494	4.17946	13.4293	6.26446	7.0689	6.23662	6.13154	9.72798	5.46509	8.43991	6.23406	7.55895
INTS11	6.25014	7.50296	7.63924	11.5483	13.387	12.1505	7.84981	5.57803	9.18788	7.4247	7.90032	7.22465	10.7742	7.83071	5.94183
INTS12	3.55336	3.11863	2.89587	5.00951	1.68255	5.09522	2.18692	2.31268	4.40803	4.75825	7.20247	2.61814	5.99998	3.53478	2.67485
INTS13	2.21632	2.51415	2.48326	4.79236	1.15965	5.64164	1.27858	2.07335	5.01015	4.48002	6.13636	3.22732	4.57587	4.48707	2.51283
INTS14	4.52711	4.23827	4.01171	6.32561	3.16573	8.71099	3.66055	3.44345	4.34605	4.35753	6.48366	2.7724	5.65463	4.31533	3.20448
INTS2	1.89176	1.62802	1.67656	2.29307	1.05904	2.56771	1.61247	1.62131	0.939826	1.52334	1.84377	1.24102	1.88277	1.73858	1.64084
INTS3	3.77094	6.56046	6.69278	8.17752	9.84045	8.59021	5.51194	3.92099	4.56029	3.65654	3.24886	4.93468	5.75301	5.14785	6.86945
INTS4	4.11841	3.7211	3.72033	4.66201	3.25067	4.35595	3.74324	3.03693	2.19657	2.78209	3.56413	2.28375	3.66832	2.86114	3.13151
INTS4P1	0.0361328	0.0609327	0.0448374	0.0186179	0.0561267	0.0102555	0.0481311	0.0481677	0.0146686	0.0604671	0.0271929	0.021545	0.0077709	0.088128	0.0605398
INTS4P2	0.0402964	0.241624	0.228545	0.0870255	0.371385	0.128562	0.258566	0.0569904	0.0413288	0.0228728	0.169395	0.12091	0.180665	0.129848	0.137359
INTS5	2.63486	3.30277	3.47942	6.05496	5.89851	7.75043	4.08627	2.28529	5.23386	3.04175	4.45368	3.52865	6.27726	3.72625	2.86328
INTS6	2.09456	2.78197	2.5633	3.36278	1.77617	3.02655	1.63763	2.30831	4.03821	4.48337	5.25602	3.45439	3.42839	4.34303	2.03472
INTS6-AS1	0.79398	1.13349	0.827127	0.757611	0.822217	0.525827	0.872965	0.705624	0.680466	0.442901	0.298768	0.652279	0.417407	0.338123	0.168927

INTS6L	1.96801	2.27909	2.57979	1.53461	1.11576	1.85971	1.81361	1.67115	1.32998	1.88369	1.79313	1.44577	1.25091	1.40398	2.57471
INTS6L-AS1	0	0	0	0.0599236	0	0	0	0	0	0	0	0	0	0	0
INTS7	1.95939	2.33455	1.88482	3.56882	1.59652	3.30661	1.90188	1.58385	2.43564	2.31943	2.50911	2.14103	3.38424	2.91342	2.16679
INTS8	3.82225	4.18279	4.3688	5.55151	2.71409	3.92407	2.98132	3.50299	3.01193	4.09046	4.96796	3.03412	4.91662	4.24104	3.91684
INTS9	2.25746	2.19101	2.03548	3.42263	2.7498	4.50127	2.33644	1.67428	1.88893	1.94665	2.66756	1.8012	3.00207	2.38517	2.22742
INTU	1.39212	1.8522	1.78302	1.48559	1.28429	1.01689	1.41197	1.2372	0.662685	0.789366	1.02907	0.859576	0.647424	1.02674	0.913365
INVS	2.10183	1.84669	2.07593	2.21319	1.5862	2.1757	1.76195	1.50982	0.959226	2.04029	1.86095	1.53668	2.0563	2.36456	2.2162
IP6K1	5.56212	5.63239	5.77858	6.75897	8.78391	10.0917	5.99607	4.38705	6.48044	5.9979	7.46144	4.5834	9.06467	5.57415	5.65813
IP6K2	7.01574	8.85039	8.31823	9.12219	11.1733	8.84207	8.97188	6.18435	13.9424	7.78822	10.5074	8.20496	5.26187	6.29435	3.89197
IP6K3	0.0409902	0.00789988	0.03391	0	0.0382031	0.0209416	0.00936025	0.0291429	0	0	0	0	0	0.0085693	0
IPCCE1	0.59913	0.303103	0.289124	0.270979	0.17579	0.527157	0.235623	0.446672	0.0567523	0.19217	0.28181	0.0976468	0.167507	0.140909	0.372851
IPMK	1.21508	1.33452	1.79187	1.43105	0.55099	1.67403	1.4692	1.90149	0.703147	1.82342	2.42385	1.40943	1.84791	1.70399	1.57159
IPO11	2.56258	2.25276	2.09513	4.5073	0.738522	3.01837	1.92776	2.4461	1.66491	2.50917	3.68275	1.73548	3.35503	2.82499	2.2425
IPO11-LRRC70	3.44E-09	2.03E-06	3.81E-05	0.091157	0.289373	0.30235	4.29E-10	2.33E-12	0.0361434	0.444765	1.23356	0.0787855	0.207493	0.0953534	0.574146
IPO13	2.55166	3.38369	3.05226	6.83447	7.67725	8.1721	3.3924	1.88464	7.32812	6.75862	5.79993	7.46348	9.01765	6.11837	3.67275
IPO4	3.98288	3.82571	4.19935	8.33405	7.83536	11.7367	5.62786	3.5624	5.0921	4.37307	4.07042	5.52598	9.45387	6.83298	3.66335
IPO5	10.0369	7.11919	7.44195	16.3355	4.10882	15.3229	7.95097	7.88163	6.25982	11.5955	13.9813	6.52502	14.8671	11.487	10.3829
IPO5P1	1.23906	1.42267	1.36903	0.65792	1.13524	1.1516	1.38114	0.940661	1.23792	0.495537	0.76338	0.568012	0.363132	0.678318	0.796225
IPO7	9.09351	8.50167	9.45219	20.5217	3.57053	11.7593	6.73402	8.01513	10.2919	13.9324	11.8013	9.55004	24.8188	17.5886	9.81739
IPO8	4.20151	4.31522	4.16224	6.62252	2.4956	6.65632	3.56188	3.7918	5.46868	4.8394	4.52718	3.23913	6.07507	4.21119	4.73722
IPO9	3.96921	3.06157	3.2443	3.96003	2.33292	4.97504	3.66788	3.10144	2.06518	2.52129	2.91327	2.20523	3.77076	3.01285	3.63846
IPO9-AS1	0.304207	0.351971	0.19342	0.126446	0.305623	0.207882	0.199634	0.111241	0.118604	0.0718631	0	0.112674	0.0193646	0.149776	0.168367
IPP	1.93057	2.18753	2.08624	1.96899	1.25295	2.22708	1.72776	1.99292	1.77838	1.78075	1.9046	1.37143	2.42986	1.58601	1.12029
IPPK	8.45114	9.05742	8.86913	12.1241	9.43227	7.6803	8.97319	7.01774	20.601	11.2568	8.34319	13.9989	15.2583	10.1235	5.01552
IPW	0.451946	0.293006	0.321215	0.198958	0.0879148	0.268655	0.24896	0.425645	0.0313313	0.173134	0.274836	0.0883565	0.116188	0.199277	0.246399
IQCA1	0.135736	0.0392399	0.0393017	0.461605	0.263557	0.433417	0.0542428	0.0723787	0.0743902	0.178881	0.490334	0.0874107	0.415988	0.485951	0.282655

IQCA1L	0	0.0171285	0.0220571	0	0.0138054	0	0.0304424	0.0157969	0.021648	0	0	0	0	0	0
IQCB1	3.40548	2.63734	2.88364	1.73635	0.927809	3.25649	1.71003	2.50361	1.25945	1.92452	2.6971	1.63936	1.16187	1.70997	2.02286
IQCC	1.68552	1.56585	1.94545	1.08171	1.36397	1.4266	1.87837	1.32752	0.467097	0.734724	0.432959	0.823279	0.65119	1.00225	1.02912
IQCD	0.179618	0.133142	0.0914415	0.0854314	0.107311	0.200001	0.189306	0.208746	0.0504817	0.260122	0.155974	0.0296588	0.222862	0.252743	0.297639
IQCE	1.17883	1.54144	1.61296	1.80734	2.61449	2.83077	1.555	0.959155	0.723711	1.04819	0.877502	1.06872	2.29001	1.53944	2.0297
IQCF1	0	0.0458247	0	0	0	0	0	0	0	0	0	0	0	0	0
IQCF2	0	0	0.032616	0	0	0.0335707	0	0	0	0	0	0	0	0	0
IQCF3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IQCF4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IQCF5	0	0.065336	0	0	0	0	0	0	0	0	0	0	0	0	0
IQCF5-AS1	0	0.00557534	0	0	0	0	0	0	0	0	0	0	0	0	0
IQCF6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IQCG	1.07409	0.934497	0.850204	0.836129	0.27607	1.0988	0.45878	0.803476	0.461134	0.785576	1.27357	0.425736	0.707951	0.767331	0.821199
IQCH	0.293347	0.243421	0.202844	0.177837	0.10473	0.304692	0.162526	0.286872	0.0945493	0.165478	0.0830263	0.150839	0.151338	0.0952828	0.144165
IQCH-AS1	0.523703	0.696465	0.71342	0.395349	0.406186	0.520295	0.360502	0.652548	0.151853	0.129249	0.308878	0.164572	0.144343	0.241444	0.345356
IQCI	0	0.00848605	0.0145704	0	0	0	0.0100548	0	0.0321754	0	0	0	0	1.90434	0
IQCI-SCHIP1	0.838936	0.615599	0.846959	1.28004	2.06794	1.63156	0.431199	0.304357	1.35168	2.3121	4.62038	0.717646	2.43666	0.875004	2.91395
IQCI-SCHIP1-AS1	0.155062	0.317523	0.256557	0.239694	0.301082	0.330084	0.398352	0.20671	0.0944242	0.145964	0.218808	0.277378	0	0.810423	0.835084
IQCK	1.70504	1.04106	1.05888	1.20327	1.11292	2.54942	1.18336	1.20807	1.01998	0.909119	1.94473	0.815431	1.17306	1.0182	1.54632
IQCM	0	0	0	0	0	0	0	0.00931926	0	0	0	0	0	0	0
IQCN	1.08865	2.02786	2.53809	0.214716	0.792937	0.864882	2.81309	1.74984	0.279129	0.353035	0.105843	0.689513	0.0537719	0.582591	0.628371
IQGAP1	30.2079	31.0162	34.47	57.9237	17.8948	52.911	27.4795	28.5294	37.5404	64.9708	43.9751	39.265	103.323	37.8117	37.8461
IQGAP2	2.68086	0.84135	1.22822	1.15344	0.938012	2.66262	1.33503	2.14325	0.0655807	1.40962	2.36636	0.255947	1.22095	0.84832	2.60721
IQGAP3	0.401524	0.473517	0.449218	2.39993	0.677165	2.34766	0.781542	0.271879	0.54024	1.0415	1.06626	0.965878	1.2879	2.22645	0.999507
IQSEC1	6.13808	4.86834	5.23563	4.83935	9.618	9.21237	6.91981	3.9218	6.70253	5.98364	7.01316	5.25326	7.03241	4.63922	8.87082
IQSEC2	1.35198	1.73654	1.72301	1.47541	3.30235	2.93313	2.01394	1.27533	1.14086	1.18406	1.51872	1.21695	1.56025	1.20313	1.6029

IQSEC3	0.0344298	0.0754035	0.134646	0.0451575	0.373252	0.319816	0.0643267	0.0389433	0.0114359	0.0864258	0.173134	0.0492708	0.018175	0.0245379	0.301168
IQUB	0.0713663	0.0114513	0.0688159	0.0122489	0.0116246	0.0507395	0.0293939	0.0211739	0.0149773	0.0260044	0.0274941	0.0233008	0	0.0035072	0.0170662
IRAIN	0.811924	0.510337	0.48025	0.238168	1.1391	0.212337	0.661913	0.360305	0.0310003	0.243035	0.0602598	0.231922	0.0607059	0.171947	0.329464
IRAK1	11.3738	8.23742	7.83303	21.8927	26.0027	39.3042	13.2899	6.31254	23.5603	19.0177	16.0296	14.5702	32.4665	18.3242	10.4149
IRAK1BP1	0.745034	0.669429	0.566371	0.636358	0.323209	0.731545	0.636076	0.66809	0.220711	0.446487	0.750127	0.288158	0.38542	0.270116	0.462687
IRAK2	0.733853	0.970742	1.30801	2.90815	1.70989	3.47085	0.868358	1.35774	2.62438	2.67108	2.32713	1.41775	1.683	1.21339	1.80122
IRAK3	3.62857	0.654115	0.90032	3.29595	0.388127	3.10152	1.25209	2.54874	0.189347	2.21266	3.27506	0.472792	2.27489	1.60335	3.41295
IRAK4	2.46569	2.40732	2.5956	2.52182	1.46321	2.9733	1.64683	2.37435	1.96802	2.50605	3.11892	1.87803	1.96235	1.94393	2.44738
IREB2	5.38491	4.48897	4.7419	6.53062	1.47442	5.8773	3.7002	4.81566	4.4033	4.5417	4.90335	3.35411	7.43041	4.5371	4.13798
IRF1	2.63441	4.0414	4.80706	5.39459	3.73699	8.49897	2.53813	2.88998	0.875056	2.04609	3.91917	1.52948	9.08844	1.89193	4.86221
IRF2	4.11027	5.05829	5.52759	7.62644	3.39677	10.6547	3.96475	4.59757	2.15769	3.97711	7.15426	1.75301	4.48737	3.21702	6.07734
IRF2BP1	4.02566	4.3098	4.60718	4.9206	9.59018	8.70016	4.76126	2.56694	5.25458	2.94547	3.61724	3.39715	4.20466	2.98144	3.2666
IRF2BP2	20.9293	23.9036	26.8229	24.6066	22.9352	27.7686	22.446	17.6346	30.501	21.1295	21.1781	18.8997	24.8906	17.281	14.1841
IRF2BPL	8.91873	7.89694	9.48758	13.8267	18.5497	23.2661	9.05802	6.19453	6.04801	6.6381	8.7232	5.88764	10.467	8.43518	9.1306
IRF3	5.29709	7.48955	7.76676	8.71145	17.3113	9.99971	5.07039	4.163	5.18812	5.57524	6.29668	5.75357	7.94385	7.33208	7.56673
IRF4	0.461929	0.647274	0.834397	0.44546	0.539797	0.757783	0.958056	0.907672	0.103225	0.106379	0.277474	0.124325	0.910506	0.307871	0.517321
IRF5	0.887841	1.40374	1.55058	3.53101	2.61523	2.71595	1.41919	1.04621	1.24949	3.16965	3.37799	1.59054	3.03812	1.58799	1.50173
IRF6	17.4976	27.1269	29.9422	34.9947	18.2736	23.1491	19.1221	18.596	40.948	40.2971	17.925	40.6088	51.6199	24.674	8.41057
IRF7	1.62186	2.74889	2.4265	12.719	8.48701	16.8361	2.78423	2.19783	7.97097	5.16838	7.0508	4.16457	11.0727	3.70921	2.92387
IRF8	1.85744	0.73616	0.935592	1.82152	1.33791	2.53181	0.932107	1.30461	0.17331	1.51345	2.90004	0.187567	2.52246	0.688939	2.52768
IRF9	5.75128	8.61885	6.49215	24.0912	16.6463	31.4732	4.77143	6.50858	10.6326	9.55536	15.2892	6.54287	16.1509	6.53795	8.27938
IRGC	0	0.0347157	0.0119213	0	0	0	0.0329066	0.0256135	0	0.0180865	0	0	0	0	0
IRGM	0.078562	0.0441611	0.02708	0.0202401	0	0.0390218	0.0298998	0.0756376	0.0159466	0	0.0221717	0.00468443	0.0211199	0.02053	0
IRGQ	1.98772	2.70853	2.84209	3.28926	4.74275	4.27197	2.44136	1.78987	2.38881	2.79764	2.07667	2.61204	5.50289	3.93072	3.05704
IRS1	1.43055	1.02112	1.1703	1.30223	1.64602	3.27531	1.88743	0.932323	0.635596	1.55608	1.9648	0.90607	3.47143	4.57184	3.63332
IRS2	4.83828	2.83149	3.39521	3.27174	4.3665	6.5865	5.83004	3.13305	5.91665	2.26631	2.47518	4.0038	3.79589	2.70154	3.47182

IRS4	0.0238527	0.060336	0.123329	0.0184356	0.0185257	0.0101551	0.0476599	0.0264978	0.0145249	0	0	0	0.0115422	0	0
IRX1	1.71891	0.870209	1.04074	0.231051	0.851325	1.72878	2.51725	0.996279	0.197208	0.297035	0.815547	0.258463	0.908122	1.26294	0.447206
IRX2	3.94423	4.34063	3.67004	4.2987	7.14986	3.49384	3.18091	3.66677	3.12559	2.82202	2.02544	3.67266	3.31166	4.34838	1.71781
IRX3	7.65496	10.7775	11.8845	4.77148	10.5718	8.70636	5.06933	7.16961	7.85158	2.58534	3.90711	7.23985	3.86928	2.37282	1.67164
IRX4	4.92929	4.86416	4.13061	6.76054	6.28401	5.48506	3.34982	1.6114	2.21934	2.16136	1.14171	3.67698	3.3861	3.83822	1.40011
IRX5	5.36026	6.18234	6.83672	4.13203	7.74545	3.94022	4.57769	4.0144	5.67362	3.81154	3.65958	3.81409	3.75775	2.03685	1.4171
IRX6	1.35142	0.708587	0.739846	0.542734	0.524805	0.761503	0.907651	1.02441	0.0847142	0.0623592	0.291656	0.056881	0.121814	0.275253	0.299684
ISCA1	6.02274	4.28872	4.29389	6.87373	1.79566	8.32731	4.05203	5.03403	10.4464	9.05358	13.637	5.69904	10.0913	6.56737	7.25489
ISCA2	2.53127	2.142	2.30521	4.64717	2.87461	4.81783	2.04009	2.34411	2.38334	3.2037	5.93109	2.14603	3.04674	2.43468	1.31357
ISCU	5.62754	3.65898	3.74354	5.90456	3.66785	9.4328	3.82257	3.68899	3.39785	4.56073	9.65591	2.24461	4.14014	3.40353	5.26739
ISG15	2.11053	1.35	1.29443	25.1246	11.7004	60.6053	1.74498	1.09953	8.5975	5.48055	20.0872	1.11959	4.31989	1.6736	5.95746
ISG20	0.381348	0.249771	0.345054	1.13599	0.740456	1.96857	0.346968	0.323024	0.377357	2.39315	1.73543	0.831384	2.15673	1.43565	2.08797
ISG20L2	4.88826	5.51669	5.55993	9.75935	6.74135	9.66237	5.8725	4.57715	7.2257	5.83736	6.63774	5.59582	11.9329	7.93299	5.72767
ISL1	0.00851787	0.00820808	0	0.00877791	0.0264624	0.0145057	0	0.0302799	0.0207476	0.0106908	0	0	0	0	0
ISL2	0.0246203	0.00593121	0	0.0126859	0.0191219	0.0209638	0.0140553	0	0	0	0	0.00880823	0.0158849	0.0128676	0
ISLR	10.8292	5.6759	8.52525	5.39988	12.6462	14.9304	20.6296	6.52817	0.732708	8.51308	25.1397	1.26366	14.2556	10.3661	24.1644
ISLR2	0.249297	0.122339	0.137491	0.0428179	0.415929	0.0589647	0.305723	0.0902629	0.0393576	0.0869147	0.072962	0.191592	0.0744653	0.139945	0.384542
ISM1	3.45539	2.98126	3.6932	0.846513	3.53666	4.55397	3.27241	3.08673	1.23965	0.930129	0.503966	1.25218	2.42526	1.24596	4.07761
ISM1-AS1	0.486756	0.511694	0.549108	0.0684023	0.37805	0.188394	0.78312	0.668546	0.0269461	0	0	0.158312	0.0142751	0.358473	0.413071
ISM2	0.0154803	0.00372932	0.0128064	0	0	0.0856783	0	0	0.00942663	0	0	0	0.0249695	0	0.0111158
ISOC1	4.09179	5.38566	6.56278	4.7945	2.03835	5.82038	3.15998	4.58001	3.55953	2.76994	4.95579	2.95339	5.0337	2.97401	1.33631
ISOC2	5.66203	4.83607	4.42199	11.7513	9.65613	14.4129	7.05242	3.3429	6.19651	7.90155	21.3655	5.31206	10.8316	7.09803	6.82355
ISPD	0.381249	0.528869	0.700111	0.310856	0.409992	0.288955	0.373112	0.595731	0.229608	0.34179	0.510783	0.203846	0.300041	0.36567	0.397103
ISPD-AS1	0.00992412	0.0669423	0.106729	0.0409084	0	0.033801	0.0339931	0.105837	0	0.0373674	0.0112031	0.0355049	0.012806	0.0311207	0.0285046
IST1	9.07952	9.79907	10.616	12.298	12.0648	14.2332	9.55836	7.29469	10.6666	9.7894	10.5326	7.35798	13.5048	8.3976	9.26917
ISX	0.0299102	0.0324252	0.0185579	0.00770584	0.104537	0.00636704	0.00853764	0.0132909	0.00910683	0.0656958	0.0253237	0.0374528	0	0.132875	0.0536936

ISX-AS1	0.193504	0.399038	0.550675	0.00797645	0.0480925	0.00659064	0.0795371	0.605335	0.0565598	0.0971468	0.00873767	0.0498446	0.0249695	0.12136	0.211201
ISY1	2.75675	2.21136	2.2967	2.80879	3.19276	4.42006	1.92612	1.85455	2.16272	2.25796	2.67784	1.50184	2.37642	1.96493	1.97755
ISY1-RAB43	2.29654	2.6367	2.26124	4.55826	4.05451	6.06549	2.26365	1.56043	2.18124	2.80705	2.97783	1.57493	4.52266	2.58399	3.0843
ISYNA1	2.18108	1.31777	1.60455	0.705188	3.09357	2.86907	2.40343	0.8944	0.392181	0.839185	2.43363	0.459445	0.471204	1.10589	3.76933
ITCH	7.02471	5.72742	6.75689	6.32655	1.87922	6.30885	5.48709	5.96986	7.4686	6.72805	7.76026	4.1871	8.56252	6.01735	6.49372
ITFG1	6.0795	4.73358	5.24964	5.283	1.73307	6.87575	3.50569	5.11841	5.03302	5.55204	8.33857	3.32176	4.51583	4.45834	5.19224
ITFG1-AS1	0.0816668	0.0262484	0	0.0290198	0.12817	0.023227	0.061605	0.0730589	0.0335932	0.241482	0.0933368	0.0597717	0.0175287	0.0435166	0
ITFG2	3.07874	3.64598	3.40215	2.55165	4.519	2.46334	3.30782	3.18783	0.819999	1.29426	1.43502	1.4714	1.34428	1.72814	2.40199
ITFG2-AS1	0.126391	0.119263	0.0759381	0.0324012	0.230722	0.132209	0.104192	0.1415	2.39E-34	0.111476	0.163887	0.0864915	0	0.145118	0.0426132
ITGA1	3.5282	1.1664	1.54167	2.53482	1.025	5.3135	2.70506	1.32706	1.53387	6.08426	9.19214	1.6228	4.39885	5.07168	11.3848
ITGA10	0.81697	0.241256	0.261621	0.181056	0.450303	0.878899	0.371109	0.320088	0.0855893	0.479613	0.471044	0.27971	0.297559	0.466009	1.26789
ITGA11	1.66331	1.43363	1.70854	0.442805	3.49516	2.10475	7.07418	1.05528	0.540192	1.20038	1.87766	0.644659	0.959879	2.48721	13.1844
ITGA2	5.69062	9.25297	7.35323	9.82927	4.08576	7.32432	5.22794	6.20149	4.56459	3.89985	4.35319	3.45006	6.79199	4.65622	2.63455
ITGA2B	0.0539622	0.0552496	0.0111603	0.0486584	0.0628665	0.0574352	0.0616123	0.0659411	0.03286	0.101592	0.167521	0.0627436	0.121857	0.169218	0.261551
ITGA3	9.63413	12.1517	11.59	35.0047	19.5132	43.2514	11.2833	6.53997	10.3338	22.9375	12.3701	13.3134	59.5581	29.6756	13.2219
ITGA4	0.552751	0.291064	0.44728	0.70036	0.389426	1.04994	0.304466	0.573021	0.117716	1.23967	2.37661	0.142642	1.25308	0.89575	2.12987
ITGA5	9.70374	3.68891	4.38771	14.3603	8.21332	35.3224	11.1167	4.48616	2.55992	20.0458	36.2378	3.99376	33.6018	22.5234	31.4611
ITGA6	21.4605	13.6515	12.665	48.9403	12.0737	44.1979	14.8227	13.3584	16.9615	49.5749	24.4571	25.1931	109.309	53.3381	27.6408
ITGA7	4.64118	1.67273	2.19958	2.459	10.9891	9.41764	4.27526	1.44948	0.555665	2.55386	3.8185	1.12573	2.61552	4.90623	16.0194
ITGA8	1.53844	0.307384	0.313366	0.45542	0.500656	1.16849	1.60479	0.248052	0.441096	0.433723	0.491379	0.261528	0.263691	0.371637	1.18821
ITGA9	5.56087	2.15865	2.52246	3.03387	4.24639	4.95386	4.99535	2.13359	0.526435	2.66862	2.88819	1.9853	4.80892	4.81136	9.35349
ITGA9-AS1	0.688466	0.395505	0.284774	0.109151	0.246791	0.157828	0.634901	0.164729	0	0.0664689	0.089676	0.0757871	0	0.0830359	0.152111
ITGAD	0	0.014241	0.00489031	0.00609185	0.0275472	0.0151004	0.0134988	0	0	0.0519357	0.0467125	0.00422975	0	0.00617909	0.0254685
ITGAE	0.863144	0.65847	0.545458	1.00068	0.418988	0.622671	0.526974	0.367564	0.657008	0.827547	1.88787	0.31309	0.626508	0.64848	0.602576
ITGAL	0.719749	0.496632	0.779202	1.04849	1.68393	1.05926	0.507276	0.560684	0.0649314	0.423798	0.531641	0.212994	0.931624	0.436545	2.25872
ITGAM	1.05839	0.451197	0.597164	1.84464	1.6895	2.24263	1.58711	0.918934	0.421745	2.77919	2.98421	0.198923	1.82202	0.86925	2.71775

ITGAV	8.48065	10.7017	12.6581	20.2736	9.18917	12.4242	9.40399	11.3422	9.75368	25.1677	33.9551	11.383	25.875	16.5124	29.7292
ITGAX	0.467487	0.270291	0.386738	3.28103	1.15423	1.61737	0.196649	0.393597	0.131849	5.2004	5.8884	0.415483	3.60361	2.50247	5.51233
ITGB1	28.6123	19.8918	23.7131	66.6723	14.3813	69.9188	19.6677	23.6318	21.8404	85.1907	107.576	18.0628	100.3	74.0069	102.055
ITGB1BP1	5.88734	3.85939	4.48628	6.42598	3.18146	7.65365	3.99531	3.33091	4.38285	9.36664	14.481	4.41428	10.8497	6.49198	5.56123
ITGB1BP2	0.285717	0.15487	0.280683	0.0552074	0.249647	0.197668	0.285444	0.285661	0.0652445	0.24654	0.403173	0.153328	0.0460857	0.345321	0.076936
ITGB2	4.39372	2.13771	2.66106	11.8797	7.97131	17.2388	3.60816	4.00343	0.595224	6.36745	10.4097	0.817689	10.582	2.45173	11.2095
ITGB2-AS1	0.37378	0.357043	0.403285	0.399116	0.465313	0.2071	0.179991	0.354116	0.0353056	0.11079	0.436336	0.0829702	0.0562117	0.163214	0.596728
ITGB3	2.49211	1.20302	1.86605	2.86059	1.45442	4.31245	3.28275	1.39107	0.143981	3.84008	5.47175	0.646273	3.3714	3.86544	5.29717
ITGB3BP	1.69082	1.38201	1.02409	1.55575	0.211052	1.34973	0.603287	1.52949	0.772209	1.78109	3.16984	0.691328	1.0422	0.994157	0.758821
ITGB4	23.9539	27.1991	29.2407	85.9451	43.7353	79.1692	31.9352	19.1813	18.2258	28.2537	12.6911	24.0297	104.463	39.6089	24.2635
ITGB5	16.4676	18.2318	21.0642	15.1963	31.2238	27.5239	19.5475	11.7938	17.0789	22.571	21.1909	11.6931	23.3873	12.977	25.8042
ITGB6	1.85164	1.40603	0.915001	7.69371	1.8638	1.93402	0.479206	1.1541	3.09097	7.42437	8.67888	5.31377	8.04087	8.66568	4.38943
ITGB7	1.21083	1.48183	1.82975	0.665493	1.27897	1.574	2.01844	1.4563	0.412904	0.851043	0.473852	0.554486	0.463525	0.548457	1.4375
ITGB8	5.97232	3.50762	3.5074	4.74965	1.88798	4.35262	2.2757	3.89934	2.78741	2.95202	2.66332	1.4603	2.67078	1.99824	1.02528
ITGBL1	3.23362	1.62575	2.37785	0.32599	1.58938	1.80234	2.6754	1.92279	0.456602	0.499964	1.14625	0.645501	0.229293	0.512317	5.50763
ITIH1	0.106617	0.0136986	0.0294004	0	0.0331227	0.32682	0.016231	0.00631684	0	0	0.0320954	0	0	0.0111446	0.0816618
ITIH2	0.181429	0.0454559	0.0660399	0.0149574	0.0112729	0.0308968	0.0911458	0.103193	0.00883839	0	0.00819242	0.00519268	0	0.0189645	0.0416887
ITIH3	0.853481	0.0697606	0.100866	0.125648	0.414297	2.33591	0.730858	0.0812682	0.0185615	0.0956434	0.206459	0.0817886	0.117999	0.274809	0.503415
ITIH4	1.63401	1.20163	0.949174	0.601666	1.79582	3.07246	1.81807	0.914673	0.206048	0.203496	0.230778	0.423206	0.0272893	0.420011	0.951635
ITIH4-AS1	0.0705721	0.147229	0.30245	0.131504	0.273032	0.106307	0.0746949	0.0520699	0	0.0735365	0	0.0459975	0	0	3.01E-24
ITIH5	3.62139	2.2216	3.18891	1.85683	1.39942	3.03323	4.97784	1.91107	0.485649	1.15298	0.880302	1.43508	1.95724	1.4882	1.20474
ITIH6	0.00931685	0.013467	0.0154151	0.00960128	0.0144723	0.047599	0.0372319	0.0207001	0	0.0116936	0.00525878	0	0	0.0292164	0
ITK	0.906427	0.357557	0.513063	0.524407	0.44463	0.284351	0.260245	0.706629	0.0322786	0.232854	0.359033	0.109992	0.359101	0.249336	1.26368
ITLN1	0	0	0	0	0	0.0166717	0	0	0	0	0	0	0	0	0
ITLN2	0.0201244	0.038785	0.0166483	0.0829551	0	0.0411268	0.0459548	0.0357698	0.245092	0.176807	0.136308	0.172794	0.103873	0.0525894	0
ITM2A	7.62178	6.01307	6.21132	3.73218	1.76413	5.65178	6.52676	5.36057	3.53474	3.81697	10.2423	1.76069	1.79116	2.54574	5.56355

ITM2B	110.332	106.178	118.902	166.683	64.0486	143.658	106.49	136.879	228.399	154.028	207.131	126.869	166.36	85.3388	76.2192
ITM2C	4.23831	2.51711	3.42216	3.98016	8.43076	13.4574	4.68832	3.19759	1.58444	6.86306	16.3502	1.46905	5.58056	5.25891	10.7868
ITPA	4.39708	3.751	3.47941	7.42085	7.85306	9.93896	4.69302	3.02048	5.80788	6.42524	12.865	4.35456	9.03863	6.10609	3.49295
ITPK1	4.24033	2.17606	2.11521	5.13929	4.66057	9.35589	3.29656	2.08331	2.22664	3.05576	3.82127	1.72589	5.08917	3.15988	2.95708
ITPK1-AS1	0.237263	0.259595	0.204459	0.132441	0.46069	0.235698	0.203175	0.232824	0.0301	0.0930593	0.00558001	0.187452	0	0.209257	0.262654
ITPKA	0.0625826	0.0542759	0.0621273	0.0386959	0.15554	0.234468	0.014291	0.0556182	0.0304874	0.0942571	0.0847776	0.0268677	0.0484536	0.170084	0.107852
ITPKB	4.93508	5.05599	5.22604	5.73985	12.794	7.76152	5.8234	3.75838	8.13276	6.53815	4.56202	5.61119	8.45456	6.37756	7.99355
ITPKB-IT1	0.343624	0.347683	0.28427	0.0531171	0.800649	0.190184	0.353105	0.259576	0.0209247	0.25877	0.0969771	0.356514	0	0.305308	0.444138
ITPKC	5.57211	7.35253	7.88447	20.8199	17.6825	12.8948	6.2996	4.89734	20.3919	14.399	7.84926	19.8909	24.8437	9.69432	3.8293
ITPR1	3.81646	1.54814	2.16655	1.10609	2.61494	5.33533	3.14497	1.80333	0.836599	1.63357	2.07639	0.782542	1.44478	1.60966	4.2219
ITPR1-DT	0.048484	0.101228	0.0133698	0.0832737	0.0753125	0.151373	0.0553575	0.0574514	0	0.0608525	0.0364883	0	0.0208544	0.0844663	0.0464195
ITPR2	13.8807	13.6355	12.2819	10.5061	7.21383	8.61502	9.66619	11.3079	12.3468	7.41004	5.6682	10.8308	6.96571	6.53947	5.46763
ITPR3	10.5811	12.5866	15.1409	15.3223	14.8	19.3743	18.2782	11.9703	9.94034	21.9162	5.25637	16.8235	35.6967	17.9284	11.8246
ITPRID1	0.754578	0.241103	0.313215	0.051841	0.0863668	0.250242	0.598553	0.45413	0.00322453	0.00332306	0.00298886	0.00189446	0	0.0055351	0.0228141
ITPRID2	16.7305	19.6948	23.6498	12.2855	14.849	17.588	19.3418	16.2734	58.9119	24.8641	16.1277	19.4515	24.163	15.0988	11.0858
ITPRIP	7.01205	6.71071	6.30724	7.75079	8.20044	9.31397	6.75582	6.48939	14.5186	11.5946	8.04319	17.1454	15.709	8.13465	7.41506
ITPRIPL1	0.416242	0.276316	0.283128	0.362224	0.646567	0.535575	0.158417	0.246614	0.0901219	0.290237	0.647397	0.13237	0.423724	0.415755	0.345382
ITPRIPL2	7.20834	10.4829	9.57647	7.82794	13.6994	12.5265	6.73054	6.69727	1.99155	5.88559	8.08312	2.84346	9.72799	7.14221	11.1074
ITSN1	2.3644	1.90575	2.1245	2.17846	2.00953	4.02184	1.75049	1.50685	0.868231	1.85862	1.70897	1.03201	2.3584	1.8385	3.2849
ITSN2	5.64334	5.61483	6.32974	8.72115	3.52723	5.04476	3.84029	5.49894	12.7353	7.50841	6.04542	6.85364	11.8499	6.3882	4.24766
IVD	1.47104	0.821065	0.824994	1.09069	1.81022	2.27739	0.903049	0.838732	1.04702	0.872798	1.71238	0.453834	0.766679	1.14226	2.37598
IVL	13.0925	15.4753	12.245	94.6783	49.2902	94.4021	10.1621	15.3994	169.965	146.705	86.8225	171.517	257.669	175.872	34.7646
IVNS1ABP	20.7113	16.3554	14.2508	23.054	11.2721	19.1895	10.8794	15.3534	14.3447	16.7624	17.4358	14.5512	13.9712	16.9949	9.60583
IWS1	4.76747	5.11444	5.62241	8.64945	6.81836	7.08102	2.67763	3.31139	7.57254	5.78033	5.41671	4.91264	9.52647	6.53161	6.32598
IYD	0.00611038	0.00736018	0.0101099	0	0	0.00520291	0	0.00543039	0	0	0	0	0.00394238	0.00159677	0
IZUMO1	0.0137103	0.0924819	0.0567108	0.226062	0.511125	0.0583709	0.0469621	0.0731076	0.217069	0.808771	0	0.245253	0.123842	0.315287	0.433175

IZUMO1R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IZUMO2	0	0	0.0405626	0	0	0	0	0	0	0	0	0	0	0	0
IZUMO3	0	0	0	0	0	0.0401344	0	0	0	0	0	0	0	0	0
IZUMO4	0.364817	0.549295	0.641329	0.399451	0.743776	1.16489	0.572737	0.263428	1.77722	0.85853	1.54437	0.929941	0.1324	0.78651	0.0654903
JADE1	3.00017	1.65926	1.86527	1.11174	1.82253	1.89081	1.87908	1.98982	1.38419	0.96856	1.04005	0.672371	1.61901	0.8478	1.13841
JADE2	3.96607	2.59768	3.14723	2.68962	3.31098	8.39761	3.85773	2.77402	0.369701	1.20511	1.65008	0.637447	2.53758	1.59861	2.6157
JADE3	1.30605	1.08226	1.16475	1.44615	0.899267	2.10981	0.9677	1.06193	1.41577	1.39509	1.22341	1.09027	1.71819	1.50802	1.09746
JAG1	31.0366	26.3787	21.5307	36.0996	29.7034	42.5305	24.1731	18.265	20.5081	40.0153	29.3363	30.189	49.4332	31.7071	28.0942
JAG2	6.0921	8.44492	7.94692	7.07523	16.6838	10.4253	8.11967	4.74095	3.98512	3.63897	2.48049	4.91817	7.5335	6.19181	7.98022
JAGN1	3.94802	4.0478	4.49773	7.46582	3.6548	7.01765	5.20587	3.11881	6.84806	4.43796	7.57813	4.5845	7.39298	4.9049	3.22627
JAK1	17.6148	17.3456	18.3901	21.8356	18.3359	29.5269	16.8512	16.6321	30.2473	20.5401	20.8076	15.5882	27.1649	15.8378	21.4822
JAK2	4.2777	4.3862	5.38605	3.64129	2.1154	3.66331	3.28724	4.9829	2.27119	2.88467	3.80873	1.93131	2.69662	2.11604	3.55328
JAK3	0.570697	0.527369	0.511186	3.0591	2.61978	5.7225	0.583719	0.738072	0.4357	1.27221	3.03373	0.433083	3.07484	1.80076	5.54143
JAKMIP1	0.0202123	0.0324619	0.016721	0.0833173	0.104655	0.0458946	0.0153851	0.0119753	0	0	0.0228171	0.00482081	0.0478165	0.0246489	0.0967579
JAKMIP2	0.0324552	0.058941	0.0722864	0.033446	4.01E-35	0.0510188	0.0443995	0.0399371	0.0152026	0.101635	0.137601	0.00451231	0.0142997	0.0247335	0.0236873
JAKMIP2-AS1	0	4.02E-38	8.62E-16	1.15E-09	0.0748941	5.48E-08	0.0333586	1.36E-16	0	0.0236682	0.0296045	0.00408818	0.0320601	0.00657928	0.214536
JAKMIP3	0.189246	0.109418	0.0768555	0.0354588	0.165689	0.187509	0.212146	0.143723	0.0167622	0.0518232	0.0349585	0.0541642	0.0155401	0.102505	0.33602
JAM2	3.03784	1.89108	2.09085	1.81298	1.71663	3.46859	2.25764	1.88059	0.506979	1.62339	3.49648	0.773011	1.86407	1.46597	5.90713
JAM3	3.8235	2.33776	3.21527	2.61382	2.90103	7.22058	4.21431	2.55694	0.82221	3.06466	6.84477	1.30472	3.3055	3.35696	7.27607
JAML	1.49738	0.853881	1.10546	1.81655	1.56045	1.5413	0.811548	1.24652	0.219299	1.49874	4.2045	0.454334	3.10619	0.876705	2.28653
JARID2	4.69056	6.12418	5.46263	5.37155	8.98874	7.01943	6.62832	5.02012	12.4061	6.86035	4.13332	7.40342	7.09423	6.56298	3.87143
JARID2-AS1	0.940047	1.53133	1.11096	0.64583	2.92043	0.609857	0.766653	0.477392	0.381624	0.955121	0.101066	2.75457	0.0577632	1.52072	0.83573
JAZF1	3.10359	1.4849	1.90319	1.752	0.797871	3.02459	2.668	2.73892	0.616753	1.91588	2.94005	0.973173	1.58233	1.55779	3.17922
JAZF1-AS1	0	0.00933892	0	0	0	0.0330084	0.0442613	0.0172258	0	0	0	0	0	0	0
JCAD	4.45198	1.60705	1.80565	2.90153	3.6895	6.516	2.918	1.95047	1.1313	3.41302	4.26785	1.29315	3.84279	2.82109	7.76915
JCHAIN	5.96233	4.52675	6.78044	0.236972	2.3728	0.419574	0.618873	8.90436	0.120024	0.597843	1.8542	0.129279	6.52802	0.0429225	1.69838

JDP2	2.46376	2.65592	3.43133	2.44969	4.2308	3.32892	3.09126	2.12221	0.962821	2.01167	4.93295	1.67378	1.96691	2.11687	2.83061
JHY	0.539876	0.676845	0.665378	0.959434	0.607567	0.539441	0.616413	0.528756	1.11374	1.96366	1.6791	1.28108	2.69419	1.14305	0.830711
JKAMP	3.37179	2.44246	2.60901	4.41363	0.822524	3.52746	2.30276	2.74036	2.59854	5.56115	8.26308	2.45718	5.8682	3.5367	2.52739
JMJD1C	7.3879	6.5591	7.38903	7.48081	1.7299	5.20621	4.82223	6.2818	11.9685	10.4814	9.37445	8.52252	10.5787	9.8829	9.50471
JMJD1C-AS1	1.28467	1.3264	1.28617	0.910219	4.57473	0.475909	1.22396	0.844387	0.271778	0.909789	0.477687	0.962697	0.25392	2.26027	1.25087
JMJD4	2.07243	2.84182	2.73737	3.81744	7.05575	5.0846	2.51549	1.61904	2.15043	2.17423	4.32776	2.11965	2.78413	2.40687	2.00429
JMJD6	1.13021	1.03055	1.0791	1.55296	1.11377	1.66602	1.0083	0.871235	1.38634	1.70834	1.76976	1.25218	2.86458	2.19979	1.49514
JMJD7	4.30726	10.0124	10.0415	5.49271	15.8294	6.0543	7.08015	5.90531	8.45328	5.88497	8.2293	6.318	6.07155	5.92204	3.25854
JMJD7-PLA2G4B	1.84027	3.10649	3.24642	1.43365	4.49985	3.98856	3.00045	1.95139	2.3924	1.63314	2.68955	2.48365	2.03554	2.35374	0.4908
JMJD8	8.28201	8.49285	9.67784	11.1862	18.428	15.5912	11.9613	5.83945	16.4358	8.83978	17.2376	9.48186	15.247	8.03304	8.53735
JMY	4.53025	4.15295	3.52543	7.01458	4.92238	4.21578	3.64998	4.85296	26.6203	6.37957	7.71549	8.4185	4.57326	3.97488	2.37741
JOSD1	5.43086	5.98541	6.95369	9.29946	4.86763	11.1193	5.53496	4.06223	6.19097	7.57773	9.80781	4.49706	9.64182	6.89897	6.79278
JOSD2	3.02349	3.06349	2.92425	9.48482	13.5716	9.65424	3.42674	1.83745	8.71832	8.28716	18.0194	5.86978	6.61244	5.03112	3.19273
JPH1	0.36202	0.187066	0.117191	0.162205	0.179298	0.518226	0.179714	0.172524	1.59107	0.289745	0.242836	0.326609	0.494228	0.422289	0.331535
JPH2	1.05957	1.19559	1.82722	0.124447	0.605103	1.64521	1.72127	0.36697	0.260934	0.288465	0.334211	0.320542	0.241281	0.806235	0.827971
JPH3	0.099369	0.143633	0.1603	0.0716819	0.239249	0.126917	0.272295	0.203115	0.0242041	0.0561233	0.0280438	0.110207	0.0128225	0.0830954	0.156977
JPH4	0.173415	0.202555	0.265186	0.0595698	0.359165	0.264	0.432	0.186808	0.2752	0.0725513	0.0830515	0.0639217	0.0440765	0.0604229	0.218859
JPT1	2.06366	2.7262	2.36526	12.1183	3.97491	9.58448	2.7932	2.18081	7.31146	9.21132	14.1725	6.47023	13.3439	9.18521	4.44014
JPT2	5.78733	7.64471	7.03858	18.2547	7.71106	12.2848	6.69389	6.25461	9.74214	12.6267	13.1373	8.72711	25.0025	10.4535	5.94699
JPX	1.58378	1.42217	1.46106	0.367772	0.455903	0.620811	0.893271	1.06744	0.421941	0.706354	0.672696	0.742395	0.187953	0.710781	1.40164
JRK	2.07671	2.733	2.813	1.53649	4.13178	2.78739	2.70407	1.83885	0.747335	1.01841	0.615427	1.13033	1.20737	1.69897	1.76979
JRKL	1.43266	1.53673	1.30319	1.87723	1.02712	2.21348	0.740168	1.1004	0.821094	1.61101	1.65389	0.751438	1.43881	1.32814	1.6013
JRKL-AS1	0	0	0	0.0368049	0	0	0	0	0	0	0	0	0	0	0
JSRP1	0	0.00973858	0.033442	0	0.0941899	0	0.115389	0	0	0.0253685	0.0456343	0	0.091286	0	0.0870821
JTB	12.7184	11.2003	11.3487	20.2888	20.2128	22.4603	14.1689	8.20614	18.8203	18.8417	38.3087	11.1519	22.0467	15.3	14.1899
JUN	20.6985	11.2144	13.3495	26.8783	28.4845	25.2211	15.5141	10.7387	48.025	44.8859	27.2184	59.8045	48.799	28.0313	15.773

JUNB	34.396	39.8563	43.6363	113.89	102.997	122.707	42.9244	32.7428	198.432	132.167	198.863	174.029	199.778	100.881	58.1087
JUND	21.575	26.6185	37.2183	22.0272	45.1974	30.5177	31.6469	18.2101	48.5459	34.5071	48.2319	26.6571	39.0752	26.0335	23.2468
JUP	135.116	196.5	171.94	307.409	445.413	310.569	294.381	150.176	735.876	551.486	393.552	604.912	883.484	290.456	129.037
KAAG1	4.47E-30	0.00806851	0	0	0	0	0	0	0	5.29E-08	0	0.133052	3.17E-22	0.00875222	0
KALRN	1.17592	0.681392	0.69828	0.560007	0.676328	1.29427	0.634441	0.815461	0.396007	0.965761	0.789438	0.541013	1.28316	0.987061	1.2154
KANK1	7.58804	7.63323	7.63964	8.98555	10.4434	6.86208	9.0864	5.92231	25.5557	16.1106	8.88698	14.5633	11.7096	14.6775	4.68303
KANK2	10.6759	4.22833	5.97718	3.81287	12.4582	20.22	12.8828	4.23154	2.10674	6.26662	7.10583	2.20355	6.37797	5.43603	13.8956
KANK3	2.90638	1.22029	1.27088	1.74572	4.35982	4.23534	2.07637	0.92248	0.536002	1.37574	1.32175	0.915019	1.90197	2.66476	3.51802
KANK4	0.118271	0.103793	0.13628	0	0.118103	0.0539496	0.22667	0.0863397	0.051443	0.583165	0.319477	0.0664918	0.106286	0.172195	0.127389
KANSL1	4.26225	4.34904	4.18887	3.89229	3.7306	5.09763	4.17335	3.57326	3.06078	4.20396	4.81388	4.02945	3.16172	3.33492	3.31566
KANSL1-AS1	0.332515	0.395187	0.660192	0.548266	0.482077	0.58514	0.430276	0.25611	0.350971	0.695568	1.97694	0.396539	0.0858148	0.312816	0.127342
KANSL1L	2.53007	2.41787	2.65953	1.78617	0.697306	1.84371	1.54822	2.66365	1.02043	1.268	1.84061	1.00873	0.920393	1.20467	2.05643
KANSL2	5.19894	3.80413	4.02811	4.85788	3.70641	4.76545	4.49629	3.83596	3.3785	4.28521	5.64997	3.41461	4.7624	3.68545	4.06748
KANSL3	5.32565	4.70314	4.6502	4.08683	5.12059	7.04153	4.88566	3.64466	3.63322	3.35552	3.0301	3.20949	3.273	3.86812	4.60637
KANTR	2.80731	3.42738	3.1399	0.847706	2.06244	0.825002	2.0234	2.26184	0.487466	0.533543	0.405096	0.908559	0.213718	0.770401	1.05846
KARS	16.8426	12.5639	12.5107	32.7342	12.1141	34.6038	14.9529	11.7329	18.5463	23.6827	26.996	13.7882	34.2536	20.1261	14.2918
KAT14	3.06312	3.07001	3.5671	2.90198	2.43779	3.61092	2.80844	2.18961	1.9847	1.37639	1.64435	1.57604	1.75246	1.61297	1.67221
KAT2A	5.60728	7.78612	7.81326	7.62543	13.7697	8.13696	7.59944	5.34679	2.01067	2.34279	3.30768	4.56024	3.50263	4.91674	4.2827
KAT2B	4.03468	4.30401	4.0085	4.32595	3.59193	4.35869	3.7193	3.22755	14.233	9.89907	8.12364	6.18577	13.0405	4.94955	3.24509
KAT5	6.27366	6.86919	7.68666	7.85838	8.55799	11.4996	8.33165	4.65939	11.369	7.00802	7.86681	5.73699	8.4762	5.83406	5.78471
KAT6A	8.09177	9.73539	10.9964	7.12905	5.03273	7.34609	8.08202	8.45815	7.68461	4.76804	4.16231	5.09322	6.85883	4.99349	5.90738
KAT6B	4.50663	3.66184	3.28664	2.84264	2.45329	4.3381	2.94429	3.28879	3.05769	1.87631	2.00422	2.38681	2.02393	2.20737	2.77262
KAT7	11.4065	10.5086	11.0221	9.30169	6.41879	13.1444	12.7553	10.2614	10.3127	5.22619	7.54539	6.43579	6.13896	5.1753	6.99181
KAT8	5.4081	5.35208	6.00724	6.75063	8.47948	8.65853	6.4067	4.21958	4.79296	3.04331	5.86144	3.55171	4.09539	3.62271	4.44851
KATNA1	3.43766	3.02069	2.84387	4.19108	1.79203	4.59409	2.20865	2.22661	4.3428	3.89048	4.60422	2.6265	4.40585	3.43501	2.94541
KATNAL1	1.60544	1.12248	1.21829	1.08534	0.520323	1.34645	1.03711	1.2015	0.407955	1.36731	1.64541	0.71688	1.39797	1.1624	1.76388

KATNAL2	0.994545	1.03744	1.05724	0.44071	0.556154	0.804499	0.772167	1.04738	0.187743	0.280857	0.308747	0.231278	0.0834178	0.486006	0.642731
KATNB1	6.40239	5.66805	5.32545	6.11112	10.5701	10.2775	7.85929	3.99537	12.6335	4.08369	5.2034	5.82648	5.24249	3.97243	2.37402
KATNBL1	2.71128	2.78767	2.781	4.96141	0.419844	1.91306	1.9384	3.41543	6.64523	11.693	10.6409	4.39974	11.831	6.26409	3.63458
KATNBL1P6	0	0	0	0	0	0	0	3.56E-36	0	0	0	0	0	0	0.0518888
KAZALD1	0.342814	0.441462	0.438291	0.160582	1.80085	0.965929	0.604912	0.25481	2.59615	0.907472	1.30171	0.584243	0.430299	0.325763	0.680302
KAZN	2.30644	2.59962	2.69405	3.63159	4.14089	4.29099	3.18774	2.47789	3.735	2.37513	2.04118	2.43514	5.37855	2.18801	2.22754
KAZN-AS1	0.538211	0.250376	0.245653	0.439888	1.26845	0.34766	0.233091	0.461823	0.090411	0.209641	0.104754	0.411663	0.203561	0.387989	0.373143
KBTBD11	0.840688	0.351934	0.470302	0.482886	0.877722	1.04735	0.448464	0.45318	0.474167	0.640009	1.03071	0.532506	0.511286	0.56003	0.75211
KBTBD11-OT1	0.0296326	0.0142774	0.0245142	0.0305372	0.0460296	0.100927	0	0	0	0	0.066903	0.0212029	0	0.0154873	0
KBTBD12	0.224387	0.167789	0.156592	0.0543581	0.130051	0.149944	0.180734	0.125237	0.00548363	0.0220554	0.00495931	0.0540887	0.00850329	0.0757695	0.0821237
KBTBD13	0.155621	0.0464165	0.061305	0	0.0115111	0.119889	0.0592276	0.0197576	0.0180504	0	0.0501933	0.0106048	0.00478123	0.0154922	0.0638546
KBTBD2	4.87813	4.23786	4.32968	6.31275	2.15114	6.69792	3.17658	3.9583	3.36556	5.50404	6.90815	2.80306	7.28075	5.55223	5.60807
KBTBD3	0.344602	0.358424	0.217203	0.219838	0.127449	0.288767	0.156133	0.272226	0.193189	0.26088	0.524859	0.215261	0.158811	0.168669	0.204241
KBTBD4	2.64049	2.27662	2.59636	1.87772	1.48783	3.36057	2.68485	1.92613	2.12403	1.80103	2.92694	1.46503	1.75362	1.73145	2.0447
KBTBD6	1.09267	0.963269	1.13662	1.16679	0.918424	1.32565	0.867727	0.904192	0.477974	0.978771	1.47506	1.16732	1.08129	1.25609	0.945452
KBTBD7	1.12119	1.14387	1.20341	1.00012	0.911295	1.37417	1.05295	1.3947	0.535967	0.579814	1.23082	0.838127	0.922154	0.650026	0.743516
KBTBD8	0.197719	0.181002	0.106319	0.315821	0.0921379	0.210444	0.124162	0.267968	0.4214	0.434277	0.580321	0.254652	0.794108	0.576102	0.262654
KC6	0.0516586	0.00622247	0	0.0133089	0	0.0109967	0.0147455	0.160685	0.0314572	0	0.0291581	0.00924078	0.0666597	0.00674976	0
KCCAT198	0.463704	0.22342	0.244115	0.217209	0.130962	0.179472	0.385049	0.149855	0.05134	0.211635	0.0475877	0.392119	0	0.5508	0.544858
KCCAT333	0.0503475	0.0404303	0.041651	0.0172948	0	0.0285801	0	0.0596595	0	0	0.0757814	0.0120083	0	0.0263138	0.0723053
KCMF1	3.38275	2.91131	2.85168	3.9944	1.73725	3.83788	2.26351	3.06349	6.39243	5.68786	6.09817	3.16149	6.86589	3.8162	2.00219
KCNA1	0.0347885	0.013968	0.0263812	0.00597509	0.0540386	0.029622	0.0695107	0.0128821	0	0	0.00327266	0.00829737	0.0112227	0.00606066	0.566221
KCNA10	0	0	0.00977313	0	0	0	0.0134885	0	0	0.0296548	0	0	0	0	0
KCNA2	0.114895	0.0711745	0.108627	0.0507438	0.0382438	0.0698794	0.168664	0.0218804	0	0.0412013	0.0741152	0.0117443	0	0	0.0117859
KCNA3	0.266631	0.122291	0.212092	0.1823	0.254874	0.227033	0.0790349	0.275693	0.0405908	0.1448	0.133132	0.0550331	0.26466	0.147393	0.460235
KCNA4	0	0.0373557	0.0412324	0	0.00860233	0	0.0379382	0.02953	0.00674459	0	0	0	0	0	0

KCNA5	0.171327	0.0202519	0	0.0332398	0.0512441	0.598896	0.151285	0.0586917	0	0.0303626	0.126305	0	0.0218686	0.0168579	0.602192
KCNA6	0.37844	0.646858	0.976814	0.099739	0.0896559	0.20364	1.22249	0.250507	0.00471489	0.0242948	0.018027	0.00277007	0.0144789	0.00607004	0.111196
KCNA7	0.154708	0.310848	0.38938	0.217641	0.46955	0.135269	0.246996	0.23522	0.0645139	0.22035	0.0299253	0.15908	0.112706	0.213537	0.243373
KCNAB1	1.59337	0.450977	0.662676	0.237778	0.175824	0.863714	1.41167	1.42379	0.159061	0.355164	0.584829	0.161981	0.26684	0.307167	1.05036
KCNAB1-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KCNAB1-AS2	0.559219	0	0.0355866	0	0.06682	0.0366283	0.196461	0.0382298	0	0	0	0	0	0	0
KCNAB2	1.12942	1.19679	1.22033	1.30068	1.75438	3.52003	1.58323	1.15019	0.353378	0.978905	1.57897	0.374076	1.10326	0.668548	1.95101
KCNAB3	0.263631	0.390138	0.280407	0.281382	0.292507	0.793692	0.279505	0.401646	0.0917352	0.236346	0.372008	0.161687	0.200467	0.393672	0.419173
KCNB1	0.212931	0.0997697	0.129285	0.106696	0.0971025	0.206259	0.25427	0.130208	0	0.0269702	0.0617471	0.00139778	0.0415927	0.0112308	0.216021
KCNB2	0.0387656	0.0155649	0.0160348	0	0.0501803	0	0.199176	0.0114839	0	0	0	0.0184919	0.00833712	0	0.111345
KCNC1	0.0470275	0.0626442	0.027462	0.0114031	0.507052	0.103641	0.0410605	0.051628	0.0235835	0.0694404	0.056211	0.0692782	0.0321267	0.0346992	0.115211
KCNC2	0.0076166	0.00550469	0.0031505	0.0117737	0	0.00972816	0.0347856	0	0	0	0	0	0	0	0
KCNC3	0.583004	1.21249	0.732611	0.448701	1.38134	0.612671	0.914223	0.695206	0.858332	0.324184	0.416544	1.0112	0.361867	0.464769	1.01214
KCNC4	1.64302	2.73178	2.21359	2.77357	5.6391	2.48713	3.22184	1.91909	0.730527	0.77249	0.535819	0.918105	0.98603	1.36849	1.42324
KCND1	0.264772	0.177182	0.202813	0.161692	0.601691	0.501	0.391881	0.326816	0.0418007	0.160004	0.531369	0.129809	0.0569432	0.271638	0.450662
KCND2	0.42962	0.146362	0.233351	0.0313045	0.235931	0.421242	0.232876	0.246827	0	0.250545	0.553571	0.00931528	0.131595	0.154228	0.947295
KCND3	2.80156	3.99572	4.90547	3.0288	3.23049	6.31497	3.14968	3.42158	2.03045	1.18647	1.29997	1.45118	2.67252	1.12736	1.01202
KCND3-AS1	0.154976	0.348459	0.427356	0	0.0802436	0.175946	0.294911	0.321369	0	0.194511	0	0.0739262	0	0.0809971	0.148377
KCND3-IT1	0.307753	0.415185	0.203676	0.12686	0	0.262048	0.21083	0.164103	0	0.154505	0.069483	0.0880823	0	0.193014	0.0883945
KCNE1	0.106315	0.0674001	0.0740641	0.0518969	0.0608344	0.171498	0.121387	0.0596739	0.0545177	0.113864	0.067951	0.0120112	0.115361	0.0438669	0.13661
KCNE1B	1.28E-10	5.01E-15	6.36E-11	1.62E-07	1.02E-05	3.10E-05	5.64E-11	9.91E-10	5.66E-22	0.00709403	0.00196658	3.23E-25	0.000211989	1.81E-25	0
KCNE2	0.0576415	0.0555451	0.0476851	0.0297006	0.0447686	0.0736214	0	0.0512269	0.0702008	0	0.06507	0.020622	0	0	0.0413902
KCNE3	0.43723	0.315996	0.380417	0.706942	0.608911	1.29662	0.370108	0.361776	0.036724	0.766384	1.97431	0.0701215	0.627427	0.374293	0.931051
KCNE4	1.54433	0.315883	0.397736	0.795737	0.961812	5.74991	0.682017	0.7445	0.141948	1.77372	3.77452	0.151157	0.864793	1.61807	3.65108
KCNE5	0.0472629	0.0759066	0.0521322	0.064941	0.0244719	0.362193	0.0359755	0.0140011	0	0.0593198	0.0355693	0.0225452	0.0813167	0.065871	0.0905006

KCNF1	0.0505528	0.00487142	0.00836416	0.0312576	0.0785259	0.068872	0.0115439	0	0	0.0380693	0.0228271	0.0289375	0.0978491	0.0158526	0
KCNG1	0.26062	0.386758	0.068993	0.429722	0.323866	1.41138	0.154735	0.0833822	1.18075	0.719631	0.364817	0.537064	0.564986	0.294217	0.359312
KCNG2	0.181708	0.159182	0.136656	0.153209	0.564512	0.436036	0.150886	0.205529	0.0402365	0.145131	0.0932392	0.141837	0.127895	0.172671	0.640529
KCNG3	0.344967	0.174958	0.280374	0.13721	0.244424	0.252509	0.276401	0.145221	0.30957	0.144323	0.150304	0.129912	0.117143	0.139175	0.017383
KCNG4	0	0	0	0	0	0	0.00956351	0	0	0	0	0	0	0	0
KCNH1	0.268375	0.383795	0.264533	0.297164	0.37253	0.488639	0.198848	0.284181	0.0660655	0.0860012	0.141812	0.165472	0.0994715	0.204428	1.43917
KCNH1-IT1	0	0.0357776	0	0.0510152	0.0768966	0.0421519	0	0	0	0.0310662	0.0279418	0	0.0159698	0.0517458	0.319922
KCNH2	0.0720044	0.0183668	0.0175197	0.0218243	0.138165	0.1659	0.285325	0.018821	0.0206337	0.0478445	0.081284	0.0060613	0.021862	0.0309916	0.0608279
KCNH3	0.101636	0.0950587	0.0890261	0.0123222	0.213596	0.0967228	0.191132	0.0903254	0.0582498	0.0750372	0.0134981	0.0684453	0.011572	0.0499946	0.188892
KCNH4	0.0294966	0.0255815	0.00976068	0.0243177	0.0458184	0.075348	0.0471496	0	0	0.0592341	0.0133192	0.0253267	0.0304497	0.00308324	0.0508331
KCNH5	0	0	0	0.0784129	0	0.0149514	0	0.0260086	0	0	0.0198222	0.0167521	0.0453165	0	0
KCNH6	0	0.00822523	0	0.0293209	0	0.00969068	0	0.0101144	0	0.0142842	0.00642381	0.00407167	0.0073429	0.00594815	0
KCNH7	0.0320615	0.0102985	0.0132618	0.0165201	0	0.0318499	0.00610113	0.0189957	0.0130158	0.0335337	0.0723869	0	0	0.00558558	0.176503
KCNH8	0.0639942	0.0660715	0.12857	0.0706585	0	0.0544902	0.0782856	0.0853091	0.00556698	0.00573709	0.0154803	0.00981205	0.00589839	0.00238901	0.0328228
KCNIP1	0.142393	0.0605357	0.0692927	0.0604224	0.0130109	0.0071321	0.0573811	0.0669955	0.0102011	0.0946153	0.104011	0.0479464	0.027021	0.0437769	0.0721745
KCNIP2	0.53665	0.537333	0.485576	0.198747	0.768478	0.449811	0.526565	0.432218	0.0816975	0.042097	0.0851922	0.203994	0.0432805	0.525894	0.698445
KCNIP2-AS1	0.143153	0.195424	0.138164	0.122936	0.667098	0.203155	0.136206	0.0212037	0.0290574	0.0598905	0.0269336	0.256074	0.0769679	0.124697	0.411171
KCNIP3	1.41912	0.654184	0.520363	1.37548	2.71674	2.67798	1.13859	0.654456	0.439087	0.616176	0.952542	0.691579	0.282105	1.58761	1.16773
KCNIP4	0.0119889	0.0208265	0.00844097	4.11E-30	0	7.84E-38	0.0427352	0.0903141	0	6.29E-31	0.0104187	3.06E-40	1.46E-40	0.00957682	3.22E-12
KCNIP4-IT1	0.0164502	0	0.00194411	0	0	0	0.00268318	0.00417701	0	0	0	0	0.00909735	0.0147387	0.00337493
KCNJ1	0.0955009	0.122703	0.144843	0.0492082	0.0494486	0.0474354	0.19082	0.0495094	0	0.0199772	0.0628884	0.00569445	0.0205389	0.0249565	0.16001
KCNJ10	0.0567018	0.0672487	0.0938154	0.053938	0.0609767	0.0742782	0.0448202	0.0426392	0	0.0109487	0	0.00936269	0.00281413	0.034194	0.0375835
KCNJ11	0.149143	0.0781078	0.0751017	0.0200473	0.23167	0.104907	0.11846	0.04034	0.11846	0.073248	0.0146403	0.176313	0.0669399	0.0338906	0.03725
KCNJ12	0.38928	0.706115	0.923336	0.589947	1.33979	1.20838	1.06319	0.569815	0.16733	0.258663	0.094783	0.393926	0.969844	0.352971	0.436604
KCNJ13	1.80194	1.60045	1.53843	0.674053	0.468166	0.46412	1.09825	1.98325	0.179626	0.474859	0.282322	0.96356	0.148945	0.965232	0.709116
KCNJ14	0.754929	0.719651	0.6984	0.326248	0.592638	0.725756	0.704392	0.627633	0.355904	0.0713183	0.1008	0.226524	0.251394	0.275767	0.384707

KCNJ15	1.0694	1.0002	0.275813	9.36742	2.29629	9.06296	0.703874	0.955983	1.08789	4.16083	6.24203	3.64139	6.22593	4.0965	2.77346
KCNJ16	0.0154116	0.00990071	0.0297489	0.0105881	0	0.0131228	0	0.00913102	0	0	0	0	0.0232014	0	0.022133
KCNJ18	0.568871	0.912206	1.19135	0.69042	6.37996	0.0833369	0.343421	0.487575	4.23106	0.137792	0.238027	1.35298	0.0428143	0.0240983	0.0952178
KCNJ2	1.73594	1.24633	1.31879	2.91367	0.52729	2.08183	1.07442	1.48548	0.293055	0.593234	1.40669	0.415063	1.51647	0.669231	1.01819
KCNJ2-AS1	0.274836	0.342465	0.431206	0.527386	0.25026	0.766614	0.227233	0.277941	0.0807942	0.130842	0.374446	0.142403	0.116177	0.113922	0.258596
KCNJ3	0	0	0	0.00488221	0	0	0	0	0	0	0.00534813	0	0	0	0.0476263
KCNJ4	0.109062	0.0315288	0.0812017	0.0112392	0.0169412	0.111438	0.0871668	0.0581554	0	0	0	0.00780371	0	0	0.0939765
KCNJ5	0.397501	0.160714	0.179861	0.0887463	0.256954	0.376259	0.44547	0.213456	0.0592806	0.28719	0.350821	0.0321491	0.0700569	0.0588776	0.20971
KCNJ6	0	0.00799332	0.00686221	0	0.038655	0.0988832	0	0.00737191	0	0.0208222	0.0842762	0	0	0.039018	0.345467
KCNJ8	1.05592	0.672121	0.841475	1.28782	1.09849	5.93077	1.6038	0.473511	0.460125	2.10344	5.40228	0.346577	1.57506	1.87838	4.18758
KCNJ9	0.351463	0.854063	0.903868	0.212591	0.35605	0.253725	1.44813	0.597541	0.186105	0.508249	0.0776265	0.677905	0.024648	0.594995	0.197509
KCNK1	1.40293	2.03302	2.27691	4.90015	3.44353	2.44387	1.69965	1.49427	5.71278	4.34158	4.86002	3.41764	7.31733	4.03559	1.89175
KCNK10	0.0962171	0.169074	0.0234111	0.239138	0.465959	0.0506024	0.0484666	0.0578449	0.220577	0.429771	0.351408	0.25716	0.768681	0.49252	0.158501
KCNK12	0.0487564	0.172272	0.242009	0.720177	0.858337	0.0553539	0.129893	0.259984	0.455245	1.38707	1.19253	0.767504	1.43655	0.535127	0.350102
KCNK13	0.0917647	0.0663204	0.0455485	0.179676	0.0997796	0.218782	0.0733418	0.0733975	0.0223518	0.299453	0.404004	0.03283	0.201301	0.148677	0.131786
KCNK15	0.1303	0.237951	0.248223	0.111113	0.440377	0.721773	0.453268	0.232498	0.984839	0.0807756	0.196045	0.104641	0.0471778	0.0525479	0.275657
KCNK15-AS1	0.0387587	0.0389266	0.110363	1.01E-28	0.262623	9.44E-34	0.173952	0.0468038	5.61E-09	0.0379448	9.06E-24	2.29E-35	0	0	7.72E-41
KCNK16	0	0	0	0	0	0	0.0289419	0	0	0	0	0	0	0	0.0182017
KCNK17	0	0	0	0	0.0418744	0	0.0615585	0	0	0.0169172	0.0912951	0	0.0173929	0.00704459	0
KCNK18	0	0.0965426	0.0331525	0	0	0	0.0915116	0.0890373	0	0	0	0	0.0129279	0	0
KCNK2	0.315697	0.0702036	0.140628	0.056308	0.301777	0.273982	0.242613	0.199633	0	0.327654	0.534575	0	0.0235023	0.00951907	1.01139
KCNK3	0.651589	0.0896987	0.0625672	0.275787	0.469924	4.31967	0.245774	0.134429	0.0495976	0.54034	0.748698	0.0541159	0.0975933	0.419605	0.960829
KCNK4	0	0.0444604	0.0239306	0.0477636	6.47E-14	0.0816542	1.07E-11	0.0309736	0.0282954	0	4.09E-31	0.0439873	0	0.0210984	0
KCNK4-TEX40	0.0116355	0.00033790 8	0.0337977	0.00013383 2	0.216888	0.0669261	0.0265701	1.95E-06	3.78E-06	0.0146038	0.0656753	0.0308863	1.12E-29	0.0518445	0
KCNK5	8.50964	2.80904	3.43638	1.97328	5.70169	5.89149	5.35046	3.79492	1.18465	0.691045	0.255524	1.15124	1.35779	0.962402	0.333857

KCNK6	4.04459	7.26159	7.16787	11.7945	16.8981	10.4208	5.90185	5.45371	20.3085	17.3297	11.2965	14.7694	24.5151	12.9247	5.90868
KCNK7	2.93175	6.66331	8.28047	1.51063	9.36102	1.14731	10.3972	3.35556	7.64601	0.613274	2.30668	1.85407	0.859795	1.31558	0.722992
KCNK9	0.0156831	0	0	0.107746	0.00812043	0.0400619	0.0238753	0.00464595	0.0127335	0.0131226	0.0354086	0.0149623	0.148407	0.0273223	0.0450459
KCNMA1	0.619486	0.200348	0.157957	0.285676	0.162576	0.576861	0.720228	0.290357	0.0740685	0.241421	0.26504	0.0981647	0.183419	0.138231	0.576857
KCNMA1-AS1	0	0.055476	0.0238129	0	0	0	0.098597	0.0511632	0	0	0	0	0	0	0
KCNMA1-AS2	0.0520069	0.0501154	0	0	0	0	0	0	0	0	0	0	0	0	0
KCNMA1-AS3	0.075018	0.0271086	0.0310301	0	0	0	0.0642398	0.0500023	0	0.0235388	0	0.0268387	0	0	0.161603
KCNMB1	1.70185	0.612536	0.833482	0.870311	1.77214	4.20109	1.91159	0.908557	0.216535	1.09716	2.44196	0.381652	1.08021	0.874857	2.85126
KCNMB2	0.00760534	0.0256506	0.0314584	0.00783752	0	0	0	0.0608309	0.0463122	0	0	0	0.0147208	0.00397488	0.0218445
KCNMB2-AS1	0.0105339	0.0461215	0.0177591	0	0.0344823	0.00917028	0.0121582	0.0189105	0	0	0.0121053	0	0	0.0169717	0
KCNMB3	0.440201	0.238135	0.256996	0.203417	0.26957	0.383306	0.17024	0.302074	0.0564519	0.0863271	0.188141	0.0735421	0.0521909	0.288206	0.487221
KCNMB4	0.470208	0.410628	0.656419	0.222091	0.235857	1.18027	0.542461	0.274235	0.119304	0.215162	0.984203	0.0771023	0.135887	0.0870369	0.295434
KCNN1	0.0435511	0.0335737	0.0216171	0.0179523	0.01353	0.0148333	0.0397802	0.0309637	0	0	0.00983275	0.00623239	0.0337187	0.0182094	0
KCNN2	0.122572	0.0922763	0.12675	0.10263	0.130897	0.189167	0.104961	0.0544657	0.0186598	0.048075	0.121072	0.0328887	0.0593119	0.0640613	0.176028
KCNN3	0.337536	0.165158	0.146127	0.196449	0.209181	0.33506	0.42133	0.198946	0.0575086	0.375351	0.209273	0.35414	0.406216	0.668165	1.0147
KCNN4	3.90539	2.22516	3.36757	1.16054	5.7294	3.6157	2.90192	2.55259	0.0251657	1.06332	1.06135	0.273527	1.3132	0.84237	1.39474
KCNQ1	0.646711	0.420663	0.523249	0.924876	0.913702	1.98337	0.630643	0.516096	0.233072	0.414128	0.841801	0.21558	0.439581	0.430091	0.604818
KCNQ1-AS1	0.02133	0.0102771	0	0	0.0662657	0.0726489	0	0.0189563	0	0	0	0	0.027524	0	0.0612652
KCNQ1DN	0.0423091	0	0	0	0.0328603	0	0	0	0	0	0	0.0151366	0	0	0.0303806
KCNQ1OT1	2.7488	2.64174	2.79726	1.32642	1.63477	1.12954	2.3057	2.61266	0.562625	1.31371	0.535541	2.71853	0.288891	2.29907	3.34674
KCNQ2	0.00246386	0	0	0	0	0.00419589	0	0	0	0	0	0	0	0	0.00353842
KCNQ3	0.106405	0.0887322	0.0626336	0.128632	0.0985344	0.228248	0.0957899	0.0709228	0.0797471	0.0667745	0.0877784	0.0395319	0.0633709	0.077001	0.167504
KCNQ4	0.276655	0.187704	0.182161	0.209462	0.306958	0.668245	0.535055	0.200709	0.137524	0.0354317	0.0637366	0.032319	0.0910696	0.0472137	0.162168
KCNQ5	0.142923	0.0739012	0.043257	0.129324	0.0162445	0.237457	0.0278608	0.034078	0.0382092	0.0131256	0.00787035	0	0.114704	0.129355	0.0150187
KCNQ5-AS1	0.0420401	0.0101278	0.104335	0.0649852	0	0	0	0	0	0	0	0	0.027124	0.0439439	0
KCNQ5-IT1	0.0411067	0.0396116	0.0340063	0.0423616	0	0	0.0469343	0.0365322	0	0.0515931	0	0	0	0.0859365	0.413241

KCNRG	0.844749	0.799255	1.00839	0.651895	0.42701	0.798566	0.52534	1.02411	0.73719	0.343198	0.268293	0.433044	0.301499	0.968491	0.673108
KCNS1	0.209495	0.229585	0.397591	0.266689	0.663598	0.0874423	0.276715	0.244592	2.84657	0.386673	0.584279	0.787707	0.307434	0.502372	0.0412947
KCNS2	0.211986	0.151446	0.157228	0.135595	0.23845	0.280092	0.158577	0.110439	0.0534156	0.0733971	0.0495116	0.0993778	0.0282977	0.129896	0.220456
KCNS3	2.3134	1.19768	1.41847	2.31858	1.63469	1.45227	1.1912	1.34645	0.784468	1.30944	1.54644	0.577732	3.03787	1.40349	1.51134
KCNT1	0.0430346	0.0345579	0.039557	0.0344932	0.185688	0.0447864	0.0163785	0.0339961	0	0.0240057	0	0.027371	0.00308508	0.00999634	0.130473
KCNT2	0.40576	0.20261	0.247177	0.129245	0.103138	0.505685	0.366415	0.249145	0.0179698	0.106484	0.158236	0.0659845	0.0380791	0.177366	0.858192
KCNU1	0	0.0029313	0	0	0	0	0	0	0	0	0	0	0	0	0
KCNV1	0	0	0	0	0	0	0.0151449	0	0	0	0	0	0	0	0
KCNV2	0.438883	0.515757	0.363075	0.220625	0.631854	0.300785	0.464436	0.237831	0.0130368	0.134352	0.084588	0.359989	0.0345323	0.414002	0.15373
KCP	0.0514385	0.121854	0.145391	0.176696	0.419484	0.306595	0.176193	0.0380952	0.0104411	0.726307	0.101618	0.312848	0.492287	0.394299	0.357049
KCTD1	5.45514	5.86305	4.84815	8.47928	7.38861	8.00961	5.68055	4.40736	9.60518	5.16018	4.74957	5.39136	7.98526	4.9302	2.24383
KCTD10	9.27503	7.23836	6.9194	15.1959	9.42945	24.7521	9.44205	7.9516	16.0713	19.0648	18.2131	11.6634	29.853	15.1868	13.4317
KCTD11	4.96192	7.24169	8.5231	14.9732	13.1442	13.7395	8.06118	5.63511	29.8824	20.3568	20.0453	22.3154	26.4715	19.1002	6.96278
KCTD12	15.963	6.29673	7.83995	7.35334	7.90224	14.6823	10.9899	9.63581	1.43707	6.68773	11.4103	1.86649	7.62509	4.10361	9.62932
KCTD13	2.28056	3.07963	3.07953	2.22371	6.59253	4.05788	2.8841	2.36305	1.83088	1.37341	1.92796	2.01231	1.31304	2.28228	2.04147
KCTD14	0.0561707	0.0622288	0.0179513	9.27E-17	1.59E-22	0.136969	0.0478529	4.69E-09	2.82E-30	0.0867855	9.15E-27	4.96E-27	0.0311199	0.0487471	4.51E-14
KCTD15	7.17465	10.3413	10.3957	11.3977	18.8711	14.1604	7.9615	6.35128	10.5838	7.89779	6.94992	9.07555	13.5665	9.2999	6.97476
KCTD16	0	0.00645418	0.0147757	0.0046015	0.0208079	0.079843	0.0611784	0.00793657	0.00543809	0	0.0151219	0	0	0.0023337	0.00641257
KCTD17	0.917335	1.84371	2.77535	2.25531	1.99491	3.78275	2.30424	1.21123	0.782047	1.79282	3.37296	0.722015	2.17297	1.59585	2.5219
KCTD18	3.27943	2.86743	2.55188	3.98162	3.08551	5.30619	2.19681	2.22222	3.90861	2.58108	4.33522	2.41341	3.3623	2.11703	2.46112
KCTD19	0.0543264	0.0822652	0.0898853	0.00799785	0.0723323	0.0132166	0.053167	0.117253	0	0.00974075	0.0175222	0.0111063	0	0.020281	0.0445826
KCTD2	4.54901	5.23561	4.38889	5.26211	9.10654	9.96445	6.7002	3.45658	12.4931	5.17422	4.75014	4.07678	5.31608	3.63467	3.29097
KCTD20	9.21766	8.93585	10.2561	10.6919	4.93272	12.492	9.43815	7.22201	11.3015	11.5228	12.1491	5.97074	14.3228	8.74173	10.1027
KCTD21	0.880524	1.09559	0.998746	2.64815	2.32577	3.54655	0.988207	0.547429	5.34973	4.02643	3.73226	2.72831	4.60657	3.14527	1.53056
KCTD21-AS1	0.293919	0.22893	0.0847211	0.326195	0.0407391	0.248022	0.169782	0.144055	0.0842724	0.029885	0.041274	0.0659966	1.65E-19	0.174919	0.0787381
KCTD3	7.93629	5.04683	4.74599	7.25552	3.74656	9.41297	4.53073	4.43508	6.03576	6.74635	6.65138	4.05151	6.87293	4.98828	6.22664

KCTD4	1.27784	1.16295	0.903519	1.15928	1.25542	0.316189	1.01007	1.388	12.7294	1.63123	2.83572	1.45354	0.0493263	0.485193	0.392123
KCTD5	3.83894	4.53042	4.64644	10.5814	8.5412	10.3802	4.92673	3.59586	12.5062	8.54551	10.9117	6.69686	16.3651	7.13653	4.38605
KCTD6	1.18931	0.894627	1.23487	1.08805	0.584386	1.55003	0.983798	0.959895	1.12329	0.990062	2.00018	0.547062	1.0962	0.932381	1.15029
KCTD7	1.23253	1.39742	1.49723	0.802698	1.92877	1.70101	1.48049	1.05058	0.401775	1.27666	1.59309	0.754044	0.668103	1.29073	2.00037
KCTD8	0.044626	0.0043003	0.0221507	0.00919768	0.0277278	0.00759969	0.234382	0.0237959	0	0	0	0.00638622	0	0	0
KCTD9	6.90685	4.77699	5.16778	7.11771	1.7018	6.75022	3.94689	5.21296	8.51122	12.7086	8.31165	5.23905	18.3212	7.69977	4.46604
KDELC1	0.83315	0.49063	0.595639	1.22958	0.782893	2.11073	0.52848	0.63074	0.476024	2.02683	5.80571	0.66238	1.64581	1.69876	2.28961
KDELC2	4.36203	3.53582	4.25002	5.84204	1.66779	6.60976	3.35279	2.86257	3.3475	7.16238	11.2479	2.9078	5.85712	3.70924	7.65574
KDELR1	21.6715	21.621	21.9983	43.3183	27.5218	63.4338	36.8273	21.4791	28.7287	35.3339	72.2188	29.8964	56.6007	29.2562	39.7897
KDELR2	15.658	11.6305	12.4246	24.9251	10.2066	26.5205	16.2149	13.2468	18.7839	28.7428	57.8332	14.0061	32.3127	20.96	30.2966
KDELR3	3.10039	2.45832	2.79711	2.2642	1.57372	4.21974	2.98245	2.27806	0.698695	6.60297	17.4033	1.11794	2.24449	4.17219	11.3943
KDF1	2.63135	3.80966	3.53604	4.98685	4.70549	4.1423	3.48802	2.28149	4.4084	3.36706	3.73844	3.1227	5.25055	2.87798	0.645187
KDM1A	9.48687	8.49245	8.59557	14.8671	9.04192	17.1588	7.39874	7.08183	8.52336	10.9588	11.9969	8.80693	17.6462	11.1976	8.52979
KDM1B	2.67365	3.60652	4.13102	5.99492	2.27676	4.73821	3.39895	3.33288	6.31548	5.65203	4.1308	4.85321	10.3273	4.29779	3.3171
KDM2A	9.62395	12.9105	13.5152	14.2719	18.2819	17.118	12.4651	9.40356	13.5225	12.4066	8.51324	12.8124	16.4673	12.7072	11.037
KDM2B	3.57657	4.82633	5.65442	5.16344	5.98731	5.57982	4.83321	4.4958	7.55401	3.09882	2.69624	4.49286	5.41811	3.79542	3.72507
KDM3A	13.3409	12.4751	13.8867	9.29154	7.02467	10.4217	10.2247	13.27	16.5289	10.5839	9.37088	8.28314	6.89823	8.27326	4.36572
KDM3B	10.3911	11.0967	12.0303	9.57764	9.64554	14.7947	11.1933	8.67626	7.31428	5.75993	4.14145	5.67538	8.23845	6.37001	7.59562
KDM4A	5.54838	8.22233	7.7145	7.58931	9.47163	8.25517	6.26851	5.06322	4.66301	5.64318	4.06732	5.16726	5.98066	5.59846	5.27035
KDM4A-AS1	1.18179	1.3023	1.31498	0.446853	0.860186	0.456077	1.27793	0.767928	0.16322	0.504918	0.100889	0.792521	0.0478583	0.893344	0.768514
KDM4B	3.85373	6.11168	6.27365	5.04404	10.702	7.23808	6.65905	4.55182	8.28013	5.07012	3.76754	5.02725	6.89159	4.15131	4.41925
KDM4C	3.96873	4.17271	4.2554	3.63309	2.76816	3.36666	3.50893	3.73332	2.50732	2.88266	2.60282	2.99727	1.98092	3.17668	2.40973
KDM4D	0.249185	0.180092	0.199701	0.232718	0.229823	0.4774	0.248947	0.193773	0.0663861	0.127056	0.246136	0.0557183	0.115555	0.0813968	0.268396
KDM4E	0.118733	0.219295	0.147337	0.0509824	0.322759	0.0168499	0.0564856	0.175867	0.0723018	0.0496741	0.0111696	0.120355	0	0.0413701	0.0852578
KDM5A	7.38736	8.5975	9.58515	7.28957	6.64509	7.90879	6.13048	6.84638	5.76926	5.87013	4.8771	4.57235	6.72591	5.48743	5.68968
KDM5B	4.93034	7.78193	7.35482	9.44049	6.95117	8.50074	5.55336	6.52272	12.6381	11.0394	7.60577	8.55863	12.2258	9.11337	6.15747

KDM5C	6.73024	9.07497	9.33907	11.8626	17.2001	13.8379	12.7298	6.42414	13.8105	9.0288	4.33635	9.88791	14.2725	9.12058	8.28859
KDM5D	5.5939	6.2238	6.34984	4.74345	7.65873	5.31404	0.553952	4.2528	3.01503	3.41421	2.30782	4.4121	2.78518	4.59895	6.05059
KDM6A	4.97147	5.13047	5.0765	4.47283	4.07906	3.57296	5.85422	4.09964	3.96212	4.1761	4.20473	3.37322	3.96169	3.50038	3.12779
KDM6B	2.76818	7.40895	7.71241	7.09985	11.0608	10.1894	7.92507	5.55518	7.6718	5.80505	4.82379	8.13035	11.9187	5.83221	7.81221
KDM7A	5.26506	5.13432	6.82548	5.92991	1.71559	4.62054	3.9587	6.72291	7.51166	6.78858	5.36574	5.05012	10.9052	7.57653	4.42886
KDM7A-DT	2.32403	1.78973	1.86629	6.50352	2.64332	5.93664	2.00956	2.25552	5.5187	9.37312	4.14936	4.23728	21.8079	6.60682	1.7875
KDM8	0.571647	0.592588	0.444246	0.794391	1.38576	0.789126	0.62302	0.254016	0.179325	0.445705	0.537766	0.365647	0.463824	0.547741	0.746325
KDR	5.25311	2.25766	2.16303	6.3866	4.99824	10.2196	3.32508	2.76092	1.64775	5.87611	8.4831	2.83893	10.0219	7.20592	12.3133
KDSR	6.44387	6.94451	8.47646	10.5962	3.89338	9.96987	6.80766	7.23846	5.84209	7.05982	7.74676	5.11627	11.7817	6.47465	5.27982
KEAP1	6.4948	9.07408	9.27861	14.2072	15.2529	18.9691	8.29607	5.09433	15.0373	9.61418	9.57582	9.11653	14.7493	9.35042	6.06646
KEL	0.109037	0.0831813	0.0300676	0.00936379	0	0.0541586	0.103746	0.0807523	0.0110662	0.0228087	0.051287	0.0130031	0	0.0189958	0.0913445
KERA	0.356751	0.00881476	0.0151348	0.00942671	0	0	0.0104443	0.0243885	0	0.011481	0.0103263	0	0	0	0.157643
KHDC1	0.458353	0.796477	0.57188	0.503319	0.618606	0.441466	0.454698	0.540902	0.15557	0.480971	0.271435	0.413987	0.155135	0.604778	0.334522
KHDC1L	0.0365032	0.0175878	0	0.0752353	0.0567021	0.217574	0.0416782	0	0.0444568	0.549784	0.576907	0.208952	0.588793	0.400642	0.104847
KHDC3L	0	0.0327319	0.0374669	0	0	0.0578454	0.0517103	0	0	0	0.0255632	0	0	0	0
KHDC4	4.81889	6.9729	6.69967	4.81456	4.66186	5.98688	5.1223	4.26201	5.05872	5.32009	4.48816	5.76704	2.16591	6.35907	4.03235
KHDRBS1	13.2618	11.7633	13.8755	21.0433	11.5624	24.9186	10.9209	11.4939	11.6792	15.0491	17.3239	9.50703	23.4526	13.593	11.8568
KHDRBS2	0.0277661	0.00668907	0.00574252	0	0	0.00591062	0.00792561	0.00616905	0	0	0.0156722	0	0.00895728	0.00725589	0
KHDRBS3	1.36412	0.521271	0.62262	1.04221	1.44308	3.78499	1.18156	0.459845	0.630167	1.50548	2.44264	0.891923	2.40517	1.11245	2.4657
KHK	0.448952	0.455869	0.409658	0.374995	0.93101	0.486609	0.61761	0.320372	0.0406175	0.170578	0.405084	0.0779269	0.256567	0.234133	0.162056
KHNYN	7.82651	9.61809	10.5656	10.8117	14.4865	12.3302	7.01814	6.0595	8.88739	7.91369	4.93595	9.0507	11.4364	9.48952	7.56837
KHSRP	12.9744	13.9023	13.7082	28.2086	17.9856	34.8705	16.6349	12.7772	17.7613	13.2543	14.767	14.6029	27.4239	16.7738	12.3741
KIAA0040	2.94195	1.37646	1.64731	3.21697	1.52084	6.34312	2.42476	1.61413	1.04263	3.12848	5.86801	1.05252	4.48593	3.48059	4.74804
KIAA0087	0.0482147	0.00774352	0.00886369	0	0.0424747	0	0.0214282	0.0428492	0	0	0	0.00766642	0	0.0027999	0
KIAA0100	13.5774	14.0207	13.1358	19.1708	18.7864	22.4466	18.236	10.9514	17.7089	16.4243	12.2945	15.8361	23.4995	15.5631	14.9184
KIAA0232	4.53028	3.81208	4.30338	2.83814	1.67461	3.42858	2.8721	3.74603	4.89675	5.52696	4.55875	2.95065	5.49217	3.7994	3.28682

KIAA0319	0.122621	0.306286	0.501864	0.0399045	0.18546	0.1154	0.106845	0.240892	0.322256	0.133651	0.138424	0.226273	0	0.109622	0.00463418
KIAA0319L	6.11248	7.45624	6.01783	6.67114	10.2478	9.1773	6.28297	4.79869	10.0627	6.09854	5.23924	7.73495	5.96713	6.04785	4.65817
KIAA0355	3.87507	3.9744	4.39749	4.14325	4.80335	4.94198	4.30186	3.7793	6.3347	5.06789	4.42529	3.96456	5.46731	4.75642	5.75407
KIAA0391	4.75837	4.6078	4.39758	5.66552	2.48949	4.63114	4.08619	4.60659	3.68567	4.73623	5.7772	4.00097	6.48184	4.37787	3.48742
KIAA0408	0.017454	0.00693188	0.0307444	0.0196818	6.09E-34	0.0234252	0.0160898	0.0537105	0.00606712	2.84E-06	1.13E-08	8.68E-08	0.0213151	0.00791659	1.90E-08
KIAA0513	2.12515	2.7201	2.09326	2.38633	9.24457	3.70356	2.31306	2.01264	11.8036	2.87942	2.31118	3.68819	2.21943	1.97735	1.7148
KIAA0556	2.81015	3.53354	3.41927	3.15699	4.68334	4.31849	4.2505	2.46132	3.45008	2.49746	1.43923	3.22851	3.19637	2.3705	3.27295
KIAA0586	1.46171	1.20052	1.2162	1.45641	0.340254	1.56565	0.85611	1.18486	0.543807	0.822132	0.820289	0.79723	0.778661	0.878438	1.07077
KIAA0753	1.62935	1.78719	1.73194	1.71661	1.32909	2.2748	1.41864	1.35095	0.620804	1.54232	1.41289	1.12676	1.19513	1.74357	1.78437
KIAA0754	5.86618	4.81241	5.61556	3.32165	3.66287	3.70946	5.92252	4.52081	1.17928	4.00174	2.2049	5.04133	2.52037	5.80428	5.75766
KIAA0825	1.00516	0.558592	0.500745	0.512684	0.204851	0.54341	0.38215	0.787796	0.135566	0.325381	0.49363	0.306306	0.102348	0.261267	0.785592
KIAA0895	0.318956	0.68251	0.861435	0.430201	0.18215	0.279574	0.423084	0.371001	0.502703	1.05968	0.301816	0.429593	1.01078	0.593257	0.316601
KIAA0895L	1.90176	2.73252	2.1824	1.76663	5.67119	2.32944	1.93718	1.61423	1.13769	1.61064	1.0045	2.58151	1.03977	2.58713	3.89522
KIAA0930	7.57016	9.62486	10.3054	14.093	19.154	17.3651	11.3772	7.13474	14.227	10.2437	9.73872	7.82179	15.7242	10.1536	9.43682
KIAA1024	0.15447	0.142236	0.130628	0.113199	0.0799818	0.298133	0.137176	0.0762668	0.133779	0.206801	0.244128	0.0712288	0.0575832	0.1812	0.478185
KIAA1024L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KIAA1107	0.421365	0.382911	0.352995	0.280325	0.0745661	0.372411	0.140067	0.194347	0.0714547	0.187443	0.319119	0.0572464	0.147976	0.103143	0.405975
KIAA1109	9.32111	8.17955	8.28146	5.90153	2.93133	6.46028	6.65901	7.33039	5.22452	6.13016	4.85442	4.95136	5.65059	5.30574	6.43174
KIAA1143	5.28252	4.49813	5.12901	4.14018	1.72274	5.08578	4.13954	5.16168	3.02142	3.85167	7.94438	2.10979	3.86516	3.21845	3.75475
KIAA1147	5.33534	6.59168	6.01185	3.99781	4.87304	3.62195	4.49816	4.98686	4.18767	2.95804	3.73121	3.88567	3.50782	3.43504	5.48017
KIAA1191	11.2689	10.4087	11.2368	15.3967	7.67134	18.209	10.8495	8.4669	19.0824	15.5291	18.5464	11.375	19.3273	13.224	9.50093
KIAA1210	0.0177477	0.00712594	0.00244703	0.00304826	0	0.00503732	0.0067546	0.0157727	0.00720492	0.0297003	0.0333916	0	0	0	0
KIAA1211	0.0561004	0.06201	0.11739	0.115626	0.328069	0.157356	0.124339	0.0938491	0.0844002	0.339633	0.23842	0.110979	0.266145	0.334599	0.767758
KIAA1211L	1.93806	2.95123	3.02845	1.28217	4.48784	2.29199	1.63912	1.13231	0.830489	1.16368	1.09391	1.63926	1.19254	1.13797	1.28856
KIAA1217	7.93416	7.86057	7.41216	12.4017	5.70654	12.3802	4.99335	7.4701	5.92179	9.67808	6.76006	8.05457	17.9428	11.7026	12.2048
KIAA1257	0.251826	0.408504	0.420768	0.125128	0.529603	0.213918	0.387737	0.362803	1.26969	0.175268	0.200346	0.338764	0.111669	0.209504	0.193345

KIAA1324	2.39343	0.96811	1.25433	0.15616	0.864473	2.17107	1.53117	1.85713	0.0688714	0.129884	0.130953	0.106216	0.127233	0.167186	0.266079
KIAA1324L	1.79231	0.923898	1.15526	0.419983	0.610606	1.49631	1.11888	0.910799	0.117882	0.263612	0.438052	0.23178	0.532907	0.249848	1.39535
KIAA1328	1.57473	1.47728	1.56274	0.842799	0.632697	1.00769	1.56361	1.22562	0.484343	0.740664	0.760308	0.518631	0.399367	0.489455	0.838278
KIAA1522	13.1236	21.4084	23.5886	23.2627	24.3617	25.3683	24.3643	15.0825	17.4917	13.1866	10.3924	14.3526	31.3138	12.497	8.81606
KIAA1549	0.70029	0.35087	0.494585	0.25719	0.303771	0.545539	0.791061	0.47339	0.0680484	0.100516	0.153482	0.11594	0.258356	0.270607	0.46808
KIAA1549L	0.221074	0.350258	0.4185	0.326341	0.306279	0.529111	0.375212	0.323913	0.0654916	0.882406	1.38722	0.115432	0.735024	0.443435	1.36149
KIAA1551	8.44098	7.30734	8.19646	5.95857	1.05563	6.34627	2.76451	5.86468	3.60461	7.01936	6.8039	3.23377	5.32388	5.13751	6.89046
KIAA1586	1.10169	0.835673	0.917559	0.958893	0.254384	0.804974	0.492953	1.21064	0.380764	1.12114	1.96635	0.612525	1.43122	0.972624	1.12249
KIAA1614	1.1307	0.955389	0.774117	0.706017	2.75134	1.74532	1.23376	0.856365	0.203506	0.601212	0.408704	0.4105	0.445617	0.82966	2.26375
KIAA1614-AS1	1.10281	1.40154	0.938767	0.92236	1.46478	0.707674	1.45989	1.20735	0.253048	0.641921	0.252596	0.537497	0.494976	0.968982	1.17062
KIAA1656	0.190105	0.290229	0.294609	0.182829	0.493329	0.348422	0.286885	0.199641	0.0482731	0.165107	0.115858	0.189385	0.0306941	0.262429	0.23246
KIAA1671	10.782	8.91608	9.45967	8.83167	8.92391	11.4773	10.3112	8.44538	4.85876	8.43672	4.42149	12.1111	14.6572	9.15178	7.38585
KIAA1755	0.288747	0.14434	0.140337	0.208293	0.420491	0.792911	0.366771	0.157176	0.0351661	0.0770115	0.228171	0.00774773	0.0698617	0.00377279	0.502795
KIAA1841	0.721266	1.0526	1.00712	0.975294	0.433903	0.589299	0.690232	0.615065	0.639775	0.988986	1.13426	0.650328	0.976443	1.05463	1.16755
KIAA1958	0.802608	0.706982	0.869255	0.865724	0.796679	0.890141	1.029	0.80205	1.67521	0.864906	0.668433	1.13204	0.97757	0.665852	0.391711
KIAA2012	0.00558337	0.0053803	0.00461895	0.0172615	0.0086729	0	0.0127498	0.0148861	0	0	0	0.00399505	0	0.00875433	0.0400921
KIAA2013	8.37019	7.63128	8.86406	8.92142	14.8101	13.4515	8.77991	5.8213	10.164	8.01542	11.4109	5.40837	9.62129	7.80235	6.64021
KIAA2026	6.62102	7.40334	7.74699	4.76396	3.89732	4.8335	3.71198	5.37602	4.69108	4.64089	4.23943	3.81806	4.12469	4.18073	4.58591
KIDINS220	5.74149	5.05026	5.03979	4.19777	2.74545	6.15055	4.25473	4.59663	3.1628	4.84719	4.21078	3.68017	5.51043	4.43451	5.0714
KIF11	0.938848	0.617042	0.723897	2.93071	0.269017	2.7902	0.738914	0.96398	0.971344	2.15078	2.74736	1.24897	3.44919	2.55107	1.35485
KIF12	0.277301	0.122474	0.219844	0.226232	0.30511	0.265633	0.23746	0.246442	0.0281434	0.0725085	0.156519	0.0330693	0.216187	0.114736	0.0663731
KIF13A	7.86936	8.34181	7.92257	7.18713	7.02152	8.31286	7.61723	5.58683	12.0262	13.2536	7.16554	10.0107	24.4375	10.8759	8.66574
KIF13B	6.2887	7.26333	9.6383	7.69956	8.47262	8.04561	8.96173	7.98679	15.0317	20.1797	6.13353	14.8631	25.8487	9.10962	6.61997
KIF14	0.149474	0.160893	0.121025	0.868507	0.044461	0.609296	0.127091	0.0650069	0.170423	0.658615	0.804196	0.307205	0.83718	1.14357	0.506972
KIF15	0.444967	0.258192	0.233531	0.991062	0.185803	1.12443	0.142035	0.233868	0.116542	0.588505	0.912803	0.349197	0.941532	0.742688	0.350435
KIF16B	3.83864	4.8184	4.40172	4.37588	3.37275	4.64098	2.51718	3.14804	3.68678	4.1296	2.10393	4.13062	4.55891	3.784	2.10721

KIF17	0.248486	0.0870721	0.130814	0.168774	0.192992	0.557808	0.135408	0.180682	0.0962906	0.240994	0.274134	0.177798	0.579344	0.371899	0.527175
KIF18A	0.280684	0.186757	0.215616	0.792002	0.103809	0.665782	0.0686734	0.190056	0.113947	0.880718	1.06373	0.325164	0.711448	0.96052	0.614244
KIF18B	0.386891	0.489887	0.304235	1.80561	0.751864	2.14555	0.650429	0.273065	0.227707	0.954911	0.88324	0.840603	1.7491	1.88306	1.09519
KIF19	0.18423	0.0459127	0.0472989	0.353521	0.108548	1.0494	0.0797869	0.0790411	0.00773693	0.135547	0.136258	0.0227278	0.102469	0.0730449	0.237207
KIF1A	0.0471547	0.124361	0.17657	0.0869583	0.0192757	0.183852	0.5639	0.0838144	0.00906776	0.00934485	0.00560335	0	0	0	0
KIF1B	6.33486	6.27459	6.82106	6.38449	4.93133	6.56947	7.40451	5.34224	13.1654	8.78697	5.14813	7.39572	11.1205	6.39515	5.07799
KIF1BP	3.14636	3.1108	3.11445	4.46067	2.76858	5.71435	2.20113	2.46488	3.95374	3.36693	5.29698	2.23829	4.56461	3.49797	3.89172
KIF1C	10.0875	11.9362	11.1904	19.9317	37.1024	25.3751	16.2008	7.28007	33.3478	26.9483	10.9888	21.6179	60.7116	20.7983	13.7227
KIF20A	0.313375	0.31804	0.281309	2.87212	0.403923	2.92382	0.418703	0.278501	0.211128	1.82432	3.40213	0.83012	2.18105	2.81568	0.823488
KIF20B	0.88984	0.592974	0.47196	1.53451	0.122617	1.13959	0.421964	0.778062	0.607411	1.42758	1.65665	0.48523	1.73626	1.44396	0.700798
KIF21A	2.61713	1.97625	2.19102	2.10807	1.11512	1.72996	1.90192	1.9976	3.0049	2.91737	1.78997	3.79761	3.874	2.96696	1.53144
KIF21B	0.430732	0.222116	0.26773	0.463075	0.47016	0.937718	0.481162	0.2752	0.0425337	0.467556	0.265461	0.0766334	0.56933	0.401563	0.932891
KIF22	5.26283	5.74331	5.42842	7.23458	7.74474	9.60483	5.21279	4.21027	4.09466	3.57242	5.28334	4.25094	5.47848	4.73736	2.94915
KIF23	0.67757	0.532311	0.392425	2.22766	0.205548	2.20128	0.366054	0.458532	0.750796	2.7324	2.72343	1.28213	3.86373	3.14799	1.33004
KIF24	0.479381	0.40574	0.351417	0.889229	0.303586	0.722757	0.513659	0.36049	0.314371	0.51881	0.455069	0.520512	0.625726	0.767041	0.730818
KIF25	0.0766326	0.0147691	0.0253584	0	0	0.0522013	0.0349987	0	0.018666	0	0.0173017	0	0	0.00801031	0.0220108
KIF25-AS1	0.0329438	0	0.0136267	0	0	0.0841538	0.0376142	0.0146389	0	0	0	0.0117861	0	0	0
KIF26A	1.21247	0.759111	1.11354	0.656508	3.0964	1.66234	1.11452	0.426146	0.208566	0.683507	0.564502	0.558763	1.21319	1.27096	2.92669
KIF26B	1.20883	0.776027	0.829599	0.864993	1.88037	1.78025	0.880605	0.8776	0.207354	1.78645	2.53126	0.670029	0.729398	1.58213	3.53074
KIF26B-AS1	0.224146	0.067498	0.0695359	0.0577472	0.261132	0.0715714	0.0959709	0.0996011	0.034123	0.105497	0	0.280669	0	0.366089	0.442615
KIF27	1.04939	1.13128	1.18159	0.484923	0.269453	0.767255	0.649441	0.931796	0.389732	0.576335	0.578002	0.690042	0.32922	0.579395	0.514097
KIF2A	3.85011	3.06364	3.17192	4.59064	1.31803	5.77085	2.45833	3.94481	4.30795	4.78566	5.5855	3.05083	5.08446	5.71517	3.38151
KIF2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KIF2C	0.543629	0.363979	0.315394	2.8084	0.614141	2.75331	0.604576	0.313722	0.283748	1.78996	2.5504	0.687031	2.519	1.88555	0.993643
KIF3A	1.32361	1.34048	1.39059	1.05589	0.719323	1.60516	0.857625	0.949475	1.51431	1.15785	1.16901	1.32278	1.50094	1.29016	1.16775
KIF3B	5.48195	3.71203	3.50464	5.93021	4.15182	8.69411	3.63962	3.27036	3.82233	4.28125	3.90624	3.09356	5.75971	4.92291	5.88283

KIR3DL1	0	0	0	0	0	0.0103661	0	0.0108194	0	0	0	0	0	0	0
KIR3DL2	0.0368324	0.011831	0	0	0.0190712	0.0418165	0.014018	0.0327336	0	0.0154095	0	0	0	0.00641675	0.0705281
KIR3DL3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KIR3DS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KIR3DX1	0.00630429	0	0	0	0	0.010736	0	0.0112055	0	0	0	0	0	0	0.0543226
KIRREL1	5.12276	4.10513	3.76301	5.91982	7.47491	13.9323	4.87254	3.42181	1.85983	5.30788	7.7607	2.06887	8.9518	7.00225	12.266
KIRREL1-IT1	0.944614	0.792806	0.491558	0.37682	0.733656	0.428109	0.695826	0.446828	0.0742216	0.152979	0.171992	0.392456	0.10813	1.02721	0.831456
KIRREL2	0	0.00745117	0.00639678	0.0239054	0.0120111	0.0395042	0.0088286	0	0	0	0.00872891	0	0.0249445	0.00808257	0
KIRREL3	0.0761643	0.0733942	0.130517	0.0504575	0.261971	0.0926469	0.242251	0.0628536	0	0.0204844	0.0368485	0.0272488	0	0.0540235	0.203137
KIRREL3-AS2	0	0	0	0	0	0	0.10698	0	0	0	0	0	0	0	0
KIRREL3-AS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KISS1	0	0	0	0	0	0.0275994	0	0	0	0	0	0	0	0	0
KISS1R	0	0.00686195	0.0117819	0	0.0221226	0.121268	0.0162609	0.012657	0.052035	0.10725	0.434087	0.0713331	0.119454	0.0669908	0.0204531
KIT	6.95271	5.88558	7.89735	3.66313	1.93081	5.65367	6.21298	6.85445	1.46483	1.53203	2.1805	1.05576	2.67712	1.02355	2.18965
KITLG	2.95082	2.22482	2.73658	3.08035	0.614233	2.98685	2.3788	2.55063	0.781929	3.29266	5.58697	1.14392	1.85446	1.87556	3.99346
KIZ	3.69259	3.01812	3.93974	2.72416	1.42199	4.8871	1.98473	2.55952	1.69114	2.98215	2.92607	1.50875	1.59272	2.03206	2.95434
KIZ-AS1	0.0996686	0.163274	0.0824529	0.143796	0	0.0848665	0.0910387	0.212585	0	0	0	0.0570524	0	0.0937641	0.114509
KL	0.40683	0.204927	0.244769	0.352551	0.330336	1.01561	0.496176	0.17667	0.112607	0.38296	0.741078	0.178628	0.372847	0.396259	0.637373
KLB	0.388319	0.359522	0.403131	0.219703	0.165583	0.126424	0.30862	0.368789	0.366288	0.0955648	0.120335	0.212476	0.0687761	0.302439	0.229631
KLC1	14.0339	14.9394	15.1928	17.0075	17.9406	18.6823	15.17	9.84096	13.9054	18.9936	13.5262	14.1053	28.081	19.7142	16.8707
KLC2	2.64775	2.97441	2.95178	4.54521	6.43325	6.61285	3.5162	1.86235	5.15601	4.44279	3.00497	4.83765	8.88414	5.59085	3.69067
KLC3	8.69614	16.5317	16.845	12.4778	26.3223	11.3064	16.1532	7.19903	38.2376	22.232	11.8901	20.5372	40.8634	17.4162	3.17628
KLC4	1.46439	1.69128	1.51431	1.41293	3.20019	2.98892	1.18842	1.09728	0.935441	0.765815	1.14259	0.868037	0.930921	1.00546	1.18554
KLF1	0.0429902	0.00690444	0.0118548	0.0147675	0	0.0244037	0.0163616	0	0.0174524	0	0.0161769	0	0.157177	0.0299581	0.0205798
KLF10	12.0286	15.8914	17.084	23.4378	11.3929	25.0189	9.78588	16.5732	29.1495	25.7252	21.8228	28.5252	25.9177	19.567	16.3684
KLF11	7.07326	5.67407	7.60738	6.11784	3.9581	7.48612	5.89862	6.1617	4.39581	2.90064	5.52189	3.70816	5.32477	3.29419	5.9572

KLF12	1.63777	0.774793	1.01967	0.496274	0.392149	0.603337	1.1336	0.901212	0.175692	0.854712	1.22617	0.236802	0.59541	0.644195	1.68787
KLF13	16.0126	15.496	17.5405	15.3527	19.1432	20.7714	17.5072	12.8616	14.4313	11.2663	9.28577	10.3389	20.6793	13.1945	15.547
KLF14	0.0782388	0.00753933	0.0129449	0.0483764	0.0243064	0.0399716	0.0357322	0.0556257	0.0190572	0.0392791	0	0	0	0	0
KLF15	1.02654	0.313544	0.432197	0.0944538	0.213559	0.850675	0.387203	0.537609	0.0446505	0.0460149	0.0724275	0.0262328	0.0236543	0.0191613	0.0394887
KLF16	3.47907	5.25283	6.30006	7.80667	12.5641	10.3615	4.75943	3.07766	11.4812	5.59407	5.53823	6.86011	11.5958	6.92971	4.05237
KLF17	0	0	0	0.0304982	0	0.0188996	0	0	0	0.0185722	0.0584653	0	0.0286415	0	0.0425017
KLF18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLF2	8.4811	4.50093	5.37335	4.36574	9.8195	11.0754	11.554	3.75026	4.84708	5.49368	7.63126	4.40481	9.03274	5.85967	12.8097
KLF3	14.0046	17.8255	17.2312	12.4783	9.39974	15.5668	17.7606	18.4791	38.0331	14.8872	17.074	20.6695	19.4108	12.4202	10.4086
KLF3-AS1	0.588196	0.795097	0.820264	0.324207	1.09038	0.253045	0.523886	0.27076	0.335964	0.639986	0.346567	0.77186	0.199768	0.507303	0.456944
KLF4	64.6827	81.6995	106.251	28.3496	63.1061	26.0953	95.3823	62.2693	146.497	42.2158	57.5291	80.9485	74.4838	43.7268	22.7617
KLF5	28.8414	46.8714	50.4637	43.1352	30.9629	26.9274	48.8861	46.2756	48.9175	28.3737	25.5186	35.7091	49.3072	26.9749	6.86181
KLF6	24.5526	25.9414	33.7227	30.0254	17.9207	30.3291	25.9752	24.9581	29.618	44.293	39.3593	39.0484	68.9617	36.1654	28.403
KLF7	4.49831	2.6659	3.04646	5.09225	2.19824	5.76302	2.88342	2.52696	2.26628	5.31217	4.66611	2.60324	7.343	6.61997	4.69354
KLF8	2.63382	4.72408	3.66825	2.00701	3.14221	1.87835	3.50546	3.18939	2.9847	2.60119	1.44702	3.32708	1.48292	2.19498	1.49678
KLF9	13.7134	4.83239	5.39296	4.28175	2.28479	11.026	6.74806	9.2886	2.05656	4.1384	7.65509	1.99998	5.30411	5.32084	12.2275
KLHDC1	0.911618	1.30941	1.54388	0.48745	0.333976	0.915366	0.667719	1.04711	0.429436	0.518117	0.553385	0.449216	0.255244	0.296658	0.876916
KLHDC10	4.4575	4.0962	4.54997	4.26388	2.44016	5.12087	4.30139	4.30968	5.16167	4.80506	5.52704	3.32836	6.09053	4.00367	3.09752
KLHDC2	10.9564	9.28605	9.96502	9.42891	7.14604	11.4133	6.467	7.15197	11.6426	8.89421	14.278	4.62125	7.75526	5.42492	7.39812
KLHDC3	9.84649	9.64313	10.431	14.2933	15.0812	20.7409	10.0252	6.87622	18.7068	11.8116	24.5595	8.89077	13.0605	9.44146	10.8154
KLHDC4	2.70726	2.52623	2.82553	3.59039	5.39415	4.48393	3.15627	2.16234	2.15635	1.9355	1.57321	2.52561	3.24283	3.28359	2.28028
KLHDC7A	0.0137293	0.02646	0.0189298	0.0282969	0.0142176	0.0311742	0.0209009	0.00813432	0.206223	0.0402073	0.067161	0	0.00590539	0.00239185	0
KLHDC7B	0.10561	0.0832658	0.055598	0.390815	0.178963	1.18947	0.0876963	0.157851	0.140314	0.325354	0.384758	0.144264	0.229196	0.130465	0.0827289
KLHDC8A	0.044094	0.00303502	0.0208444	0.0259658	0.0293542	0.0643637	0.0934981	0.0391871	0.0153433	0.0632486	0.120886	0.022536	0.00812835	0.0329221	0
KLHDC8B	4.99004	7.38697	6.57797	7.95387	13.6371	10.6919	3.88705	3.73015	7.02866	5.70695	8.13382	3.98762	4.49082	3.69875	3.03062
KLHDC9	0.304514	0.285288	0.167944	0.191773	0.341622	0.345719	0.251105	0.150348	0.0618106	0.148632	0.286465	0.0242098	0.185556	0.0795761	0.145773

KLHL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLHL10	0.100404	0.111265	0.107979	0.0310407	0.20275	0.0683939	0.0458551	0.0446152	0.012228	0.0378051	0.0113343	0.0215525	0.00647799	0.0419803	0.0865154
KLHL11	2.18967	2.0092	2.13188	1.96359	1.69338	2.38313	1.87596	2.40127	2.85318	2.22684	2.53886	1.5623	3.06334	1.90845	1.81232
KLHL12	3.44169	4.08571	4.29247	5.19873	2.82551	6.94746	3.19001	2.80283	2.70939	3.2685	4.03296	2.06935	2.91289	3.40263	2.62169
KLHL13	0.45626	0.329749	0.277065	0.215086	0.407142	0.756333	0.415646	0.310585	0.0945826	0.316787	0.904095	0.107664	0.197295	0.380523	0.934075
KLHL14	0.0597731	0.0471266	0.0314672	0.0167994	0.0506445	0.259107	0.0310214	0.0193169	0.0264716	0.0341006	0.0674764	0.0311049	0.052589	0.0568	0.00780379
KLHL15	1.30539	0.923893	1.05551	1.02223	0.412419	1.18688	0.989426	1.31415	0.592814	0.833085	1.49028	0.498684	1.22052	0.903891	0.656677
KLHL17	0.496438	0.995907	1.03792	1.0883	2.64992	1.4987	1.12333	0.585584	0.472692	0.657067	0.580796	1.05273	0.861897	1.44354	0.933314
KLHL18	3.77556	4.82504	4.41166	6.12136	8.5499	6.03773	4.8923	3.20743	20.2953	8.51862	6.45678	8.13958	9.7818	5.68947	3.03108
KLHL2	2.51143	1.87591	1.41604	4.82921	2.09222	3.91252	1.3216	1.74566	3.14408	4.96587	3.67454	2.33911	6.40898	3.32547	2.9821
KLHL20	3.68124	2.8778	3.00117	2.97431	1.90954	4.65913	2.708	2.82627	2.85599	3.05227	3.54476	1.87872	3.55621	2.8074	3.55007
KLHL21	8.81834	9.10812	9.64202	12.0206	14.6095	14.4785	9.77607	6.85174	29.7212	15.9674	16.1344	18.3093	17.7175	12.0248	4.63623
KLHL22	1.82242	2.28042	2.51028	1.96923	3.51795	3.6007	2.35351	1.57245	1.28214	1.8876	2.49671	1.76609	1.85506	1.85409	2.79511
KLHL23	0.310034	0.147061	0.223057	0.387577	0.176361	0.386589	0.04851	0.265766	0.0245065	0.0419493	0.403109	0.125907	0.231367	0.223671	0.436009
KLHL24	4.1283	2.70182	2.99442	2.12717	1.23291	3.59681	2.22211	3.33256	1.32578	2.37174	3.24561	1.07959	1.90095	1.48851	3.62783
KLHL25	1.33288	2.55063	2.02846	1.41892	5.82062	2.61783	2.71347	1.5198	3.40739	2.00432	1.83114	2.3123	2.22293	1.53454	0.984179
KLHL26	1.18881	1.20161	1.22399	1.13189	1.62584	2.61316	1.84422	0.809613	0.700313	0.664948	0.787707	0.790528	1.22556	0.769903	0.807248
KLHL28	1.79069	1.53839	1.87492	1.30961	0.643928	1.27015	1.32294	2.09572	1.58909	1.94044	2.02915	1.04001	2.32824	1.4065	1.23459
KLHL29	1.74802	1.87307	2.17289	1.50115	1.53442	1.8644	3.01454	1.43617	0.609839	1.07983	0.323744	1.28007	1.58305	1.15151	1.79126
KLHL3	1.66043	1.18941	1.16454	1.09632	1.46992	1.56396	0.828789	1.00031	0.12169	0.435242	0.713272	0.222896	0.583998	0.58673	1.06356
KLHL30	0.251214	0.148272	0.228604	0.110025	0.507288	0.475939	0.279657	0.0669773	0.06119	0.12612	0.0921664	0.0494313	0.210706	0.282285	0.28862
KLHL31	0.241787	0.417446	0.396713	0.116279	0.194049	0.219604	0.225453	0.419016	0.127603	0.0505779	0.036393	0.0980362	0.00779999	0.058972	0.0231491
KLHL32	0.0173278	0.028386	0.0229357	0.0142855	0	0.0147544	0.0395687	0.0461986	0	0	0.00391219	0	0	0.00905628	0.014931
KLHL33	0.0248449	0.0119707	0.0205535	0	0.0385928	0.105776	0.0709178	0.0110401	0	0	0.0140234	0	0.0400746	0.0259701	0.0178402
KLHL34	0.0304614	0.0513687	0.0566996	0.0627827	0.0118293	0.0907812	0.139119	0.00676789	0.00927464	0	0	0	0.0147402	0.00796023	0.0109366
KLHL35	0.394077	0.345222	0.227218	0.147675	0.537939	0.884635	0.313597	0.212256	0.174524	0.179857	0.498786	0.290517	0.100162	0.337028	0

KLHL36	4.24037	5.07166	5.62788	4.36667	5.51204	5.70407	5.268	3.9617	3.99351	3.17404	2.89285	3.59717	4.56321	3.50278	3.71982
KLHL38	0.0504756	0.0851197	0.0521962	0.0520165	0.0980075	0.161172	0.0432235	0.0112146	0	0.047514	0.128206	0	0	0.0395711	0
KLHL4	0.209493	0.110459	0.140608	0.109981	0.0306995	0.0538507	0.176009	0.0491796	0.00962789	0.203403	0.223105	0.0791913	0.170868	0.200388	0.351948
KLHL40	0	0.00460962	0	0	0	0.00814634	0.0109235	0.0170051	0	0	0	0	0	0	0.0686985
KLHL41	0.338129	0.271526	0.357425	0.183905	0.058359	0.383883	0.150136	0.116861	0.0343169	0.0589426	0.127235	0.0537645	0.0242399	0.0687248	0.539551
KLHL42	2.59729	2.43043	2.69026	2.57335	2.2173	3.31429	2.17307	2.30507	3.15885	3.50233	4.92708	2.33712	4.01859	4.13407	3.83279
KLHL5	2.6233	1.29048	1.49874	2.7004	0.774456	3.3296	0.916764	1.77494	0.65663	3.19064	4.41424	0.939559	3.47861	3.18299	4.27108
KLHL6	0.259829	0.144585	0.166509	0.577006	0.352443	0.645026	0.162956	0.273194	0.0534832	0.583327	0.784925	0.128307	0.613894	0.562318	1.09842
KLHL6-AS1	0.592881	0.453686	0.334184	0.129057	0.0834034	0.122714	0.330376	0.353377	0.0942344	0.213241	0.170698	0.331325	0.078219	0.756073	0.521816
KLHL7	2.53878	2.21488	2.35753	2.47062	1.68635	2.98022	1.71081	1.87938	2.5135	3.32837	4.11702	1.65473	3.04255	2.28141	2.54165
KLHL7-DT	0.0631831	0.0913277	0.0298683	0.0186034	0.0140207	0.0999134	0.0927519	0.0802169	0	0	0.0101894	0.0387507	0	0.0518921	0
KLHL8	1.50623	1.2305	1.44556	1.73555	0.442149	1.56194	0.902767	1.60564	0.881102	1.16604	1.27192	0.67607	1.50747	1.1798	1.03331
KLHL9	3.09672	2.98409	3.1433	4.15567	1.21037	4.21343	2.21958	2.86276	1.54087	3.83629	5.66312	1.52317	3.78348	2.67857	3.55898
KLK1	0.951084	3.37321	4.32742	0.49006	1.31321	0.134973	10.6782	2.25399	1.67312	0.165793	1.04383	1.39886	0.272727	0.372809	0.113823
KLK10	3.67642	3.52575	3.36766	63.7341	12.1326	15.64	4.51124	5.88359	44.8004	105.294	88.4291	43.9519	100.374	37.5813	10.6608
KLK11	13.4913	16.9834	15.5082	26.208	16.0449	17.0647	33.1635	18.5337	122.073	54.8427	53.9684	47.5781	47.3321	21.0275	6.59537
KLK12	0.0430969	0.0934414	0.160438	5.596	0.6025	0.0366965	0.196827	0.134053	7.4007	42.8943	10.4599	11.2555	14.6121	0.382914	0.216624
KLK13	1.02609	1.68991	1.62826	28.5883	3.34714	3.20888	2.36442	1.89013	14.019	17.5147	11.4464	6.46764	12.4523	2.80816	0.656421
KLK14	2.09789	1.35127	0.712478	2.36675	0.754658	3.00855	3.35343	1.72705	1.72126	2.13417	1.44588	2.13314	0.54142	0.242373	0.412283
KLK15	0	0.0170369	0.0146261	0.0182197	0.0274631	0	0.0403728	0.0157125	0	0	0	0	0	0	0
KLK2	0	0.0150787	0	0	0.0243064	0.0133239	0	0	0	0	0	0.0111964	0	0	0
KLK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLK4	0	0.0246152	0	0.0175494	0.0264527	0.0145004	0.0194437	0.0151344	0.35258	0.106869	0.192242	0.207146	0.0439493	0.0979038	0.0733694
KLK5	17.3239	26.9742	26.6178	44.8294	57.7083	22.1145	92.7296	21.5677	516.501	156.309	165.928	83.9125	187.674	35.66	14.2047
KLK6	0.0733923	0.0942975	0.0607153	69.2173	7.60025	1.09362	0.195526	0.195675	2.56233	10.6239	4.63964	1.00652	8.85492	1.84757	1.07157
KLK7	15.9672	29.4195	29.9342	20.4874	29.3319	22.3181	57.5993	24.3054	299.827	112.044	92.9468	57.3322	60.172	21.4665	4.85703

KLK8	14.031	20.2324	13.6587	42.0486	54.832	18.2468	28.0352	12.3084	258.064	77.1208	113.925	56.3714	53.6142	27.4047	7.84586
KLK9	2.55893	3.34986	3.00897	85.7457	14.7997	8.78411	8.15873	3.33258	119.054	17.3716	47.8727	28.5472	20.7467	11.7928	2.08016
KLKB1	0.0567463	0.0956944	0.078241	0.0682252	0.0293822	0.153009	0.021597	0.0504314	0	0.0830929	0.106766	0.00676725	0.0122042	0.0197721	0.0135825
KLKP1	0	0	0	0	0	0	0	0	0	0.0258195	0	0	0	0	0
KLLN	0.162331	0.132963	0.0805752	0.301117	0.243752	0.368595	0.117531	0.0769422	0.125211	0.224117	0.384829	0.143255	0.212962	0.147059	0.170961
KLRA1P	0.545036	0.858521	1.05786	0.486065	0.048844	0.303444	0.454761	0.968765	0.114887	0.157864	0.236645	0.284991	0.0541006	0.372508	0.662318
KLRB1	1.65754	0.452054	0.569192	0.0966875	0.19432	0.479335	0.17854	0.972793	0.152355	0.314021	0.882622	0.201399	0.807123	0.735541	1.21268
KLRC1	0.0763377	0.0306506	0.031576	0.0343012	0.0395263	0.0358982	0	0.0565355	0	0	0.0861758	0.00910361	0.0246264	0	0
KLRC2	0.0572376	0.0827338	0.0315673	0.027209	0	0.0923785	0.021784	0.016956	0	0	0.0646141	0	0	0	0
KLRC3	0.18191	0.0584315	0.050163	0	0	0.0172105	0	0.107778	0	0.0253685	0.0684514	0.0144624	0	0.0105638	0.290274
KLRC4	0.396812	0.0503005	0.234084	1.13E-21	0	2.54E-28	0.113896	0.0930022	0	3.67E-22	9.60E-26	0	0	0	0.307006
KLRC4-KLRK1	0.00837994	0.119225	0.196672	0.132793	7.88E-06	0.0550866	1.09E-05	0.140201	2.75E-06	0.0809781	0.0730317	3.63E-06	3.64E-06	5.01E-06	0.035943
KLRD1	0.149302	0.0770866	0.0804099	0.0355695	0.059981	0.175288	0.0719757	0.169964	0.0116904	0.0492772	0.113778	0.0549579	0.0340625	0.0691042	0.261921
KLRF1	0.261082	0.152749	0.0771376	0.115308	0.0869037	0	0.0638775	0.298322	0	0	0	0.0133437	0.0240641	0.0292399	0
KLRF2	0	0.167794	0.445246	0	0	0	0.144591	0.365772	0.0385576	0	0	0	0	0	0
KLRG1	0.164135	0.184527	0.190098	0.12404	0.118981	0.0931726	0.124936	0.175044	0.0399796	0.0961363	0.123525	0.00782954	0.105899	0.114379	0.282863
KLRG2	1.43457	2.0736	1.24786	1.31531	4.211	0.790396	1.86678	0.909325	0.886421	0.860551	1.19078	0.603809	0.394733	0.501685	0.272677
KLRK1	0.559038	0.414001	0.598264	0.0924446	0.203604	0.378957	0.282685	0.382253	0.0709485	0.0652975	0.255787	0.0937874	0.0939652	0.129399	0.445992
KMO	0.0575893	0.0870111	0.0535722	0.273445	0.0310679	0.128414	0.00679297	0.113654	0.0373173	0.105482	0.235126	0.0045888	0.0844664	0.0670499	0.204325
KMT2A	7.75851	9.02002	10.0145	5.18988	4.91553	7.83863	7.29459	6.93598	2.45946	3.69166	3.23542	3.89585	4.08441	4.59353	6.54957
KMT2B	3.96964	6.98184	6.66964	5.90398	13.8772	10.3683	8.05103	5.39745	4.90113	3.79931	1.93066	6.31023	6.21526	5.38453	6.44638
KMT2C	13.1823	14.6277	16.2014	8.65895	7.08205	9.85977	13.3027	12.7584	8.45469	8.57695	5.38719	9.03878	8.65338	8.4908	9.20494
KMT2D	5.62142	10.1142	9.54618	9.01657	16.9543	14.2902	13.9026	8.86978	5.53689	5.1744	3.0406	8.9452	8.56506	6.57608	9.72109
KMT2E	12.383	13.9415	15.1702	8.77123	5.70951	9.99539	8.66296	11.2619	9.35976	8.85398	8.38252	7.55702	8.91573	8.38004	9.65641
KMT2E-AS1	2.90574	2.72262	3.06329	2.27234	3.8146	1.81733	2.69378	2.92517	1.64416	2.12204	1.1684	2.47472	0.476987	2.43255	1.73568
KMT5A	8.31669	10.2762	9.15061	12.7156	12.6368	14.1629	8.65838	6.5849	18.2503	10.1157	12.6659	11.5663	17.5612	10.0013	4.81008

KMT5B	3.49212	4.0571	3.83635	3.64064	1.89564	3.7435	1.97573	3.12854	4.31778	3.7585	3.49354	2.67782	4.8918	3.36078	2.44914
KMT5C	0.84193	1.70954	1.99001	1.09487	3.25395	2.03119	1.36183	0.979835	1.17186	1.44668	0.871231	1.52757	0.717812	1.05293	0.748502
KNCN	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00415798	0
KNDC1	0.025024	0.101479	0.0431284	1.44628	0.741787	0.497178	0.0333336	0.0277991	0.025397	0.141335	0.0211868	0.0775899	0.0403634	0.0588539	0.0329429
KNG1	0	0	0	0.00561431	0.0169252	0.00463889	0	0	0	0	0	0	0	0.0113894	0
KNL1	0.313191	0.264076	0.236672	1.1948	0.0748453	0.774393	0.206303	0.289044	0.253065	1.14902	1.28164	0.476205	1.40867	1.52198	0.696298
KNOP1	2.75725	2.96021	2.84316	4.34538	3.86226	4.74977	2.59797	2.29385	2.82156	2.07573	2.73677	2.41177	3.89108	3.51369	2.19406
KNSTRN	1.13837	0.970816	0.659218	2.67473	0.760361	2.22941	1.10479	0.839701	7.07064	2.50034	4.79334	1.44173	3.31247	2.86176	0.850118
KNTC1	2.17505	2.03045	2.06267	2.8599	0.49443	1.89437	1.68462	1.85639	0.702622	1.74781	2.13721	1.26687	1.67073	2.24929	1.72848
KPNA1	4.99028	4.80725	4.93656	6.53379	1.99433	5.76665	4.22437	5.30618	6.17016	5.89057	5.15287	4.48222	8.01331	5.47694	4.683
KPNA2	2.80441	2.43058	2.22814	17.4902	2.67461	14.012	3.17761	2.36161	10.1777	12.3183	16.443	8.84835	23.7264	16.7155	8.41576
KPNA3	5.0176	4.4189	4.8784	6.77	1.30973	6.23686	3.83898	5.19937	8.17724	7.53765	6.58688	4.52665	11.5509	6.2127	4.68756
KPNA4	6.25411	6.04031	6.51474	7.53648	2.30561	7.46024	4.25738	5.97952	8.8596	8.64842	7.17647	5.65873	13.8744	7.26865	4.97379
KPNA5	2.27355	1.76199	1.8631	1.45883	0.516415	1.36974	1.40814	2.17304	1.3061	1.07681	2.10651	0.590862	0.788796	0.846354	1.33993
KPNA6	7.90794	8.61409	9.15985	13.1639	8.16509	12.5902	10.3445	7.29855	19.4952	13.0577	11.7197	11.5256	17.891	10.9536	8.33614
KPNA7	0.0406494	0.026114	0.0560467	0.0418904	0.0210475	0.0230749	0.0309414	0.0361258	0.0165021	0.323121	0.0458881	0.0484762	0.358433	0.0566537	0.350266
KPNB1	17.2025	16.0761	16.9006	30.4574	18.2286	36.3786	15.025	12.9555	24.2305	24.6904	21.0622	17.1984	45.0753	22.959	16.7036
KPRP	42.4335	86.1647	99.5144	89.9629	133.823	70.4277	268.042	71.2081	1142.82	87.6588	235.824	193.023	69.6461	34.7286	12.1326
KPTN	0.961587	0.864005	0.601994	3.0264	2.44236	1.52691	0.593464	0.554321	1.32936	1.48415	2.039	1.25521	2.27205	1.61637	0.615834
KRAS	3.95549	3.40734	3.75644	4.60613	0.84852	4.50669	2.63081	4.40924	6.3828	7.01811	7.65623	3.784	7.99398	4.78857	3.88229
KRBA1	1.13296	1.85706	1.34702	3.40289	7.37554	3.14132	1.35208	0.81461	2.70415	3.70857	1.45249	3.84962	3.38673	2.92793	1.95412
KRBA2	1.23296	1.96281	1.64715	0.832761	1.38465	1.57478	1.65507	1.24383	1.26825	0.585539	1.0439	0.405344	0.424626	0.76196	1.16052
KRBOX1	1.00476	0.532521	0.304777	0.690292	0.572273	0.627398	1.45313	1.10131	0.938161	0.588505	2.26851	0.239645	0.280916	0.542638	0.0480989
KRBOX1-AS1	0.0108044	0.0416458	0.0446909	0.0668056	0.016783	0.0643987	0.0616806	0.0480103	0.0263171	0.0271213	0	0.0309234	0.0278838	0	0
KRBOX4	1.63661	1.31952	1.15378	1.14126	0.805424	1.4576	0.810474	1.04886	0.244025	1.05784	2.25465	0.431219	0.77948	1.17914	0.822075
KRCC1	2.64745	3.58872	3.74109	3.74648	0.728035	4.9939	1.40292	2.31906	4.44306	6.70926	9.30911	2.38376	4.68304	3.48898	2.54685

KREMEN1	8.99461	12.7222	12.1122	12.3536	17.086	11.2403	13.1939	9.13383	21.1574	9.30257	7.87182	12.2244	12.8491	8.68086	4.95057
KREMEN2	0.225018	1.44195	1.3589	0.579717	1.04859	1.89683	0.552373	0.819905	0.219237	0.155331	0.342923	0.225408	0.326655	0.352812	0.387784
KRI1	3.05944	5.13613	4.12699	7.39923	8.75529	7.51613	2.95789	2.97316	2.44916	1.77985	1.61389	3.96859	5.43914	4.64416	2.85723
KRIT1	3.59101	4.07378	4.28433	3.75236	1.67271	3.68323	2.10996	3.50363	2.08947	2.59429	2.88453	2.3703	2.64368	3.45552	2.72601
KRR1	5.02003	3.96023	3.97574	4.57916	1.05574	5.06759	2.32476	4.7211	3.5322	5.54769	6.03649	2.76693	5.20337	3.85088	3.76342
KRT1	3589.2	5073.7	2702.95	321.215	7405.98	392.633	2001.88	2150.92	21699.8	410.935	604.226	2827.25	199.011	50.7214	120.185
KRT10	3501.15	3540.72	3158.76	343.456	8101.78	237.025	3801.57	2661.46	8966.3	177.512	250.843	1602.47	85.5507	132.95	54.0168
KRT12	0.139416	0.391841	0.31717	0.0239454	0.0541403	0.0197851	0.10612	0.216827	0	0	0.0131153	0.016626	0	0	0.0667396
KRT13	0.0404835	0.0650185	0.0781452	0.0556259	0	0	0.0154076	0.0959422	0.493043	0.101622	0.16757	0.173802	0.0348263	0.0423169	0.155038
KRT14	1298.56	1403.4	1248.25	7868.88	4232.49	12029.4	1520.96	915.059	3706.96	14760.5	9786.8	10815.4	21460.2	6729	2500.78
KRT15	15.8605	81.8787	98.0274	8.41216	34.3275	10.8919	24.9735	81.5886	3.09429	8.0984	12.793	2.89791	1.25784	1.41334	0.704466
KRT16	266.639	149.704	17.2012	2976.37	3221.15	7213.55	74.213	194.185	6161.03	9956.69	7457.32	8600.47	13489.5	3590.36	1479.9
KRT16P1	0.0452918	0.153207	0.0632911	1.86344	0.863484	0.301876	0	0.0906562	0.639746	1.1955	0.544547	2.87567	3.24291	1.43321	1.87202
KRT16P2	0.169525	0.107042	0.086925	4.67398	1.3604	0.48142	0.0340465	0.039784	0.321502	2.03469	0.674031	0.842953	2.26534	1.67985	4.71059
KRT16P3	0.0506846	0.0621039	3.28E-19	1.36249	1.65428	1.49965	0.0144164	0.0448902	1.13107	2.71888	1.51784	3.66236	3.52306	1.70371	2.16951
KRT17	30.9799	17.732	21.6756	2889.85	639.867	1757.11	32.0143	62.6437	3021.59	8823.76	5601.8	5941.83	13950.2	4270.83	1447.45
KRT17P1	0.00340505	0.0216384	0	0.00350901	0.0384295	0.0170246	0.00388778	0	0.0365257	1.04E-07	0.0112854	0.0389825	0	0.0468144	0
KRT17P2	0.00668142	0.00736039	0	0.00688539	0.0397467	0	0.00762862	0	5.54E-11	0.114458	0.0343156	0.0764917	0	0.0531701	0
KRT17P5	0.01468	0.0176826	0.00607217	0.0151282	0	0.00624992	0.0167612	0	0.0178786	0.0736997	0.0414298	0.0787796	0.0236787	0.0575431	0
KRT18	10.0624	3.12787	4.41218	1.6992	8.19354	10.848	6.4012	5.85186	0.844651	4.02862	3.84651	3.95469	8.98816	13.6128	2.29513
KRT18P55	0	0	0	0	0	0	0	0	0	0.0297917	0	0	0	0	0.0511328
KRT19	27.5325	7.35293	11.909	0.437756	16.6916	41.9841	12.5923	17.2119	0.134126	0.493659	0.568334	0.0675437	0.609046	0.42758	0.655237
KRT19P2	0.160995	0.135747	0.233076	0	0.0625203	0	0.183819	0.0715395	0	0	0	0	0	0	0
KRT2	581.836	612.215	563.866	140.302	1936.38	31.8202	2817.96	147.407	770.435	4.53632	6.47188	150.812	1.03916	1.65851	0.853626
KRT20	0.128216	0.135908	0.413671	0.0660653	0.0398329	0	0.0585573	0.250686	0.0312306	0	0	0	0	0	0.0552405
KRT222	0.160067	0.115684	0.0551745	0.0962231	0.02072	0.102221	0.0609199	0.142254	0.0162453	0	0.060232	0	0.0344248	0.0209145	0.191564

KRT23	11.4667	16.9101	18.3649	19.8226	18.8038	13.002	22.3648	13.9348	130.505	12.5257	32.3454	24.8936	2.44148	7.72671	1.36888
KRT24	0.0123036	0	0	0	0.133782	0	0	0.0218688	0.37461	0.262519	0.0972245	0.475392	0	0.0900255	0.0176695
KRT25	0	0.00667705	0.0114644	0.885434	0.0645793	0	0.0949365	2.29076	0.0337553	0.0173934	0	0.0594951	0.0357647	0.00724286	0
KRT26	0	0	0	0.0689294	0	0	0.015274	0.0356664	0	0	0	0	0	0	0
KRT27	0.0861404	0.0138346	0.0356307	0.784137	0.0669029	0.0488983	0.163921	1.03348	0.139879	0.0360383	0.0648278	0.801265	0.138943	0.0150069	0
KRT28	0	0	0	0.0704775	0.0212465	0	0	0.158025	0	0	0	0	0	0	0
KRT3	0.0671105	0.159295	0.0165762	0	0.77812	0.0597152	0.137267	0.0445187	2.54965	0.85506	0.226196	2.73032	0.297091	0.277517	0.100716
KRT31	0.187519	1.74753	2.7727	1.49527	0.202848	0.072085	2.5673	2.13922	0.0663449	0.364225	0.425872	0.190785	0.571059	0.128918	3.53E-11
KRT32	0.0115427	0.189089	0.305565	0.0356852	0	0.0294853	0.14497	0.297487	0	0	0	0	0	0	0
KRT33A	0.0539885	0.00867082	0.0148877	0.211797	0.101726	0	0.0205474	0.0639739	0.0219173	0.0775979	0.101577	0.0386302	1.84E-37	0	1.67E-06
KRT33B	0.015501	0.0071655	0.0120167	1.29978	0.0574647	0.0142915	0.0169834	0.0781458	0.109543	0.100579	0.130059	0.225086	0.241584	0.180643	0.0620454
KRT34	0.121592	0.0716039	0.10059	1.33658	0.772124	0.149549	0.107979	0.33619	0.493619	1.32263	1.00659	0.800234	0.967558	0.529578	0.407451
KRT35	0.0138498	0.0400383	0.0572877	0.156999	0.0215136	0	0.110693	0.209246	0	0	0	0	0	0	0
KRT36	0	0.0135653	0.104811	0	0.0218669	0.0719197	0.112511	0.137618	0	0	0.031783	0	0.0272478	0	0
KRT37	0.0134709	0.077886	0.178306	0.727504	0.104625	0.216311	0.138426	0.0897596	4.67377	2.50202	6.63025	0.374565	0.425877	2.2313	0.483649
KRT38	0	0.0314436	0.0404911	0.307635	0	0.0357147	0.0279422	0.0906399	0.07073	0.0206448	0	0.0183278	0	0.0131144	0
KRT39	0.136457	0.230114	0.372526	0.112498	0	0	0.171382	0.448704	0.0166189	0	0	0.00976384	0	0	0
KRT4	0.043117	0.0207744	0.0445868	0.033325	0.0669756	0.0734271	0.0492296	0.0095797	0.157535	0	0	0.0154257	0	0.00563371	0
KRT40	0	0.0632907	0.138306	0	0	0.0101682	0.0272693	0.0955153	0	0	0	0	0	0	0
KRT42P	0.113129	0.0817612	0.113643	0.308113	0.0753125	0.798148	0.0922625	0.114903	0.521592	1.88643	2.16193	1.7288	1.59536	1.18675	0.243702
KRT5	1186.45	1195.86	996.858	4683.95	2591.39	5779.95	1229.91	788.86	2000.53	4068.57	2021.09	3343.25	7546.43	2869.88	963.215
KRT6A	462.895	108.035	80.0551	4794.46	1852.13	5537.22	67.1618	226.155	2968.55	10010.5	4548.15	7697.34	14480.5	4452.29	1675.69
KRT6B	83.615	15.0402	4.41443	2352.77	801.468	3058.64	39.2694	91.4404	3568.16	8493.99	4072.8	6323.11	15269.7	3602.93	1404.84
KRT6C	58.6192	9.20337	2.46092	1238.76	543.75	2238.19	24.8742	71.7581	1744.42	6258.42	2553.58	4515.77	8157.25	2116.3	1079.35
KRT7	20.7777	3.1523	5.61738	0.132094	13.5956	15.3305	7.09503	9.94643	0.0331206	0.392526	0.168849	0.0291883	0.193008	0.269304	1.69892
KRT7-AS	0.78991	0.222252	0.311504	0.0220973	0.282024	0.126606	0.59136	0.810572	0	0	0	0	0	0.0149984	0

KRT71	0.0204354	0.0147691	0.0338111	0.673896	0.0476148	0.00870022	0.221658	1.90693	0.049776	0.0128242	0	0.0219331	0	0	0
KRT72	0.114854	0.890946	1.38722	0.0828522	1.48078	0.107576	1.48184	0.22456	0.251782	0.100907	0.0518623	0.320506	0	0.00600276	0.0494834
KRT73	0.760591	2.46429	3.0485	0.0889717	5.26729	0.189813	8.5401	0.708872	0.554633	0.0254351	0	0.753902	0.00653756	0.0264789	0
KRT73-AS1	0.0786236	0.539488	0.755788	0.028055	1.27773	0.0310494	2.16336	0.104139	0.289079	1.05E-28	0.00686072	0.152273	0.0156846	1.49E-33	0
KRT74	0	0.175979	0.151077	0.205305	0.0644712	0.0212045	0.123752	0.634439	0.0909866	0.0208371	0.0187415	0.00593955	0.0910474	0.0563997	0.0119212
KRT75	0.119799	0.0104948	0.0540581	4.78114	0.592104	14.0492	0.435219	2.89398	25.944	20.49	11.8764	11.7514	29.442	39.5255	12.622
KRT76	0.0119095	0.00881825	0	0	0	0.023376	0.282107	0	0.0338733	0	0	0.0597722	0.0120384	0	0
KRT77	20.7825	14.3433	16.7234	2.49035	3.48176	8.52893	9.73305	7.30823	2.4398	0.149454	0.166053	1.18282	0.768282	0.823699	0.261545
KRT78	10.5307	12.5326	10.5038	13.4423	31.4942	10.8903	19.1889	10.1261	107.125	10.6725	13.0977	24.0054	8.34142	9.27515	1.29535
KRT79	0.201634	0.242875	0.240941	0.531017	0.330607	0.0858442	0.166269	0.746646	9.63168	0.0702974	0.11381	0.18435	0.0216822	0.0468367	0
KRT8	8.62984	1.78912	2.63096	0.512121	5.14466	5.27226	3.95654	5.09663	0.049776	0.245009	0.403707	0.251606	0.362583	0.712683	0.572292
KRT80	25.5093	48.1188	60.4415	90.076	90.6758	34.0033	54.8867	43.0624	276.038	75.169	74.2306	101.51	79.693	39.8769	11.6505
KRT81	0.106154	0.0661639	0.0228145	1.03032	0.175929	0.0584643	0.0668087	0.233313	0.0442706	0.0152078	0.0136783	0.0346795	5.40E-14	0.0443293	0.13921
KRT82	0.00863225	0	0	0.0355831	0.0268177	0	0	0.0460297	0	0.151681	0.146171	0.0247064	0.395433	0.0360927	0.049588
KRT83	0.012343	0.00594703	0	0.590456	0.0958644	0	0	0.230357	0	0	0	0	0	0	0
KRT84	0.0446562	0	0	0.0575243	0.0693664	0.228145	0	0	0.0407896	0.238204	0.0504112	0.119823	0.100842	0.093357	0.0320659
KRT85	0.0421242	0	0.0278785	0.772703	0.143954	0.0502155	0.0384769	0.426776	0.0102605	0	0	0.0180846	0	0	0
KRT86	0.0333615	0.0578961	0.142497	2.21903	0.346417	0.0467731	0.0137692	0.396647	0	0.012927	0.0813882	0.00736959	0.0398712	2.76E-24	0
KRT87P	0	0	0.0142771	0	0	0	0	0	0	0	0	0	0	0	0
KRT8P41	0.0886222	0.0121999	0.0314205	0.0130468	0.0196658	0.0107801	0.0578205	0.0225029	0	0	0	0.00905879	0.0326735	0.0198505	0.090909
KRT9	275.128	2051.61	3.09474	107.547	2357.82	32.8261	11.0591	34.5669	6826.76	56.0761	95.1548	509.567	54.5737	0.84019	23.3192
KRTAP1-1	0	0	0	1.94352	0.278676	0	0	0.045554	0	0	0	0	0	0	0
KRTAP1-3	0	0	0	2.29442	0.111068	0	0	0.211819	0	0	0	0	0	0	0
KRTAP1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP1-5	0	0.00948187	0	2.00775	0.030569	0	0.0449388	0.262342	0.0239674	0.0246998	0.111078	0	0.0380913	0.0411414	0
KRTAP10-1	0	0.0110294	0	0.0471802	0	0	0	0.0203438	0	0	0	0	0	0	0

KRTAP10-10	0.0631174	0	0	0.0216814	0	0	0	0.0934892	0	0	0	0	0	0	0
KRTAP10-11	0	0	0	0	0	0	0.0641359	0.0332809	0	0	0	0	0	0	0
KRTAP10-12	0	0.0127728	0	0.0273191	0.0411789	0.0451455	0	0.0706791	0	0	0	0	0	0	0
KRTAP10-2	0	0.00970468	0	0.0622705	0	0	0.0689921	0.0537014	0	0	0	0	0	0.0315811	0
KRTAP10-3	0	0	0	0.0323165	0	0	0.0358049	0.139347	0	0	0	0	0	0	0
KRTAP10-4	0	6.44E-09	0.0116528	0	0	0	0	0.0280643	0	0	0	0	0	0	0
KRTAP10-5	0	0	0	0.0207388	0.0625203	0	0	0.0357698	0	0	0	0	0	0	0
KRTAP10-6	0	0.00900694	0	0	1.07E-09	0	0	0	0	0	0	0	0	0	0
KRTAP10-7	0	4.55E-08	0.0121174	0.0150947	5.40E-15	0	0	0.087974	0	0	0	0	0	0	0
KRTAP10-8	0	0.0127291	0.0218557	0.0272256	0	0.0674863	0	0.023479	0	0	0	0	0	0.0138077	0.037941
KRTAP10-9	0	0.00887793	0.0304866	0.0189885	0.0286219	0	0.0420764	0	0	0	0	0	0	0	0
KRTAP11-1	0.050808	0.01224	0.10508	0.863926	0.0789224	0.0216312	0.0870164	0.112885	0	0	0	0.0181772	0	0	0
KRTAP12-1	0	0	0.065121	0	0.061138	0	0	0.0699579	0	0	0.0444313	0.0281624	0	0	0
KRTAP12-2	0	0.0452666	0.0259074	0.0322728	0	0	0.0357564	0.0278317	0	0	0	0	0	0	0
KRTAP12-3	0	0	0.0466965	0.116339	0	0	0.0644488	0	0	0	0	0	0	0.0295014	0.0810643
KRTAP12-4	0.0517742	0	0.0428312	0	0.0804232	0	0	0.0460126	0	0	0	0	0	0.0541189	0
KRTAP13-1	0	0	0	0.127709	0	0	0	0	0	0	0	0	0	0	0
KRTAP13-2	0	0	0	0.0842742	0	0	0	0	0	0	0	0	0	0	0
KRTAP13-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP13-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP15-1	0	0	0	0	0.121655	0	0	0	0	0	0	0	0	0	0
KRTAP16-1	0	0	0	0.0613889	0	0	0	0.198529	0	0	0	0	0	0	0
KRTAP17-1	0	0	0	0.0612313	0	0	0.0339204	0.0792078	0	0	0	0	0	0	0
KRTAP19-1	0	0	0	0.59624	0	0	0	0.120986	0	0	0	0	0	0	0
KRTAP19-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP19-3	0	0	0	0.675899	0	0	0	0.0832697	0	0	0	0	0	0	0

KRTAP19-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP19-5	0	0	0	0.93122	0	0	0	0.0446152	0	0	0	0	0	0	0
KRTAP19-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP19-7	0	0	0	0.217308	0	0	0	0	0	0	0	0	0	0	0
KRTAP19-8	0	0.035065	0.0602062	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP2-1	0	0	0	0.545306	0.17349	0	0	0.175386	0	0	0	0	0	0	0
KRTAP2-2	0.0324587	0.0469173	0	1.16605	0.0640081	0	0	0.171276	0	0	0	0	0	0	0
KRTAP2-3	0	0.0130876	0.0224713	0.159561	1.80E-39	0	0	1.07E-39	0	0	0	0	0	0	0
KRTAP2-4	0	0	0	0.523371	4.19E-37	0	0	0.0395979	0	0	0	0	0	0	0
KRTAP20-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP20-2	0	0	0	0.124217	0	0	0	0	0	0	0	0	0	0	0
KRTAP20-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP20-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP21-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP21-2	0	0.0253424	0	0.0542036	0	0	0	0	0	0	0	0	0	0	0
KRTAP21-3	0.0914745	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP22-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP22-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP23-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP24-1	0	0	0	0	0	0	0	0.0623261	0	0	0	0	0	0	0
KRTAP25-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP26-1	0	0	0	0.0205955	0	0	0.0456373	0.124329	0	0	0	0	0	0	0
KRTAP27-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP29-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP3-1	0	0.0188038	0.16143	4.94688	0.0606225	0.0664621	0	0.658996	0	0	0	0	0	0	0
KRTAP3-2	0	0.0321345	0.110349	1.60187	0	0	0	0.326	0	0	0	0.0238609	0	0	0

KRTAP6-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP6-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP7-1	0.0333955	0.0321809	0.0276271	0.447395	0	0	0	0	0	0	0	0	0	0	0
KRTAP8-1	0	0	0	0.815004	0	0	0	0.147968	0	0	0	0	0	0	0
KRTAP9-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRTAP9-2	0	0	0	0.907853	0.16334	0	0	0.286497	0	0	0	0	0	0	0
KRTAP9-3	0	0	0	1.65889	0.181195	0	0	0.0232608	0	0	0	0	0	0	0
KRTAP9-4	0	0	0	1.13452	0	0	0	0.167563	0	0	0	0	0	0	0
KRTAP9-6	0	0	0	0.049378	0	0	0	0	0	0	0	0	0	0	0
KRTAP9-7	0	0	0	0.0935278	0	0	0	0.0403287	0	0	0	0	0	0	0
KRTAP9-8	0	0	0	1.66111	0.125062	0	0.026772	0.10421	0	0	0	0	0	0	0
KRTAP9-9	0	0	0	1.1313	0	0	0	0.0597317	0	0	0	0	0	0	0
KRTCAP2	20.0545	14.29	13.1604	29.2997	16.2987	45.6805	19.3711	13.8371	16.0251	15.1872	37.7317	14.6523	16.2148	16.1201	20.598
KRTCAP3	1.36518	1.64963	1.90022	2.99236	1.9523	3.78252	1.38553	1.03994	0.395866	0.734332	1.19865	0.620205	1.85948	1.32508	0.373442
KRTDAP	395.287	425.085	379.502	679.478	743.337	400.451	534.322	515.865	2853.46	1018.06	2000.28	1437.56	540.997	537.361	147.168
KSR1	2.36017	2.65173	2.77528	2.40567	4.95492	3.41816	2.37116	2.57839	0.690363	0.782604	0.977311	1.55971	1.14041	2.01997	2.33121
KSR2	0.0326572	0.0177016	0.0180109	0.00140226	0.0465005	0.0312831	0.0295188	0.0302323	0.00994319	0.00512351	0.00307216	0.0155781	0.0158027	0.00782286	0
KTI12	2.13794	1.4134	1.15575	2.44594	2.83204	4.08588	1.50674	1.2863	1.87793	1.72044	3.68162	1.55245	3.87326	2.28601	1.8813
KTN1	16.4492	19.6148	18.2842	30.6755	9.16107	24.8157	4.71685	10.0179	25.8219	36.5027	20.2606	24.5713	60.6854	30.1839	17.278
KTN1-AS1	0.520413	0.538359	0.63312	0.930639	0.570621	0.97748	0.367	0.380882	0.111848	0.326586	0.812106	0.470937	0.622157	0.375987	0.285762
KU-MEL-3	0.116688	0.0749625	0.0965323	0.060125	0.211466	0	0.0666151	0.0345674	0.0236854	0	0.0658629	0.0139155	0.0125477	0.0203287	0.0279297
KXD1	9.8717	7.79929	7.07216	15.0399	14.3621	22.9764	9.64706	6.99069	11.555	13.4969	26.8319	8.21365	15.4273	11.1291	9.37643
KY	2.0669	1.85743	2.52598	0.148455	0.671311	0.117329	1.48031	1.51405	0.0610244	0.0746808	0.00707053	0.0963541	0.193971	0.0245512	0.0584672
KYAT1	0.377737	0.681857	0.699804	0.422165	1.03302	0.484722	0.516331	0.434993	0.129589	0.273775	0.342336	0.274088	0.274607	0.444895	0.313262
KYAT3	4.27187	3.43635	3.59082	4.92305	0.784661	6.17743	2.80304	3.85237	4.88861	3.96069	4.8771	2.38951	4.17496	3.13555	1.83861
KYNU	1.09165	0.514902	0.361237	3.09074	0.589038	2.35807	0.328004	0.755712	2.36513	6.70646	12.2327	2.53243	4.47803	4.0719	5.24784

L1CAM	1.34214	1.08911	1.43172	0.62331	1.15899	1.41724	2.42464	1.04368	0.392513	3.13629	1.00177	1.10249	2.96244	1.61059	1.14761
L1TD1	0.223071	0.242307	0.239838	0.160967	0.323293	0.799212	0.153715	0.171685	0.0178252	0.136798	0.120157	0.191703	0.0412044	0.278461	0.177764
L2HGDH	13.0448	12.6789	12.6853	7.15925	4.1756	3.89074	9.59139	13.4752	2.80743	4.79156	2.61105	7.33849	1.84008	8.7657	7.30201
L3HYPDH	2.07938	1.99356	2.12728	1.77754	1.65198	1.73903	1.26864	1.69751	0.277088	1.37465	3.31498	1.09412	0.880749	2.28969	1.67929
L3MBTL1	0.921828	1.27928	1.29427	0.682373	0.947887	1.08342	1.06734	0.703858	0.118593	0.659972	0.249164	0.278701	0.234553	0.62768	0.400887
L3MBTL2	2.87538	3.53051	3.66158	5.67722	7.23924	5.08161	3.94921	2.99709	4.30718	2.73171	2.8834	3.39527	4.72898	3.26714	2.99733
L3MBTL3	0.821412	0.643721	0.712279	0.99947	0.5073	1.94238	0.463281	0.668436	0.331454	0.975062	1.03341	0.463821	1.08868	1.05516	1.51365
L3MBTL4	1.95059	2.73883	3.04626	1.59882	0.719983	1.59512	2.27856	1.78501	1.29364	0.161596	0.399697	0.55275	0.357199	0.235519	0.665651
L3MBTL4-AS1	0.508514	0.57169	0.71048	0.19797	0.0351066	0.0481104	0.206437	0.713038	0.0688126	0.0141831	0.0637833	0.0646854	0	0.0354362	0.0649147
LACC1	0.827928	0.886033	0.816247	1.90209	0.493984	1.18444	0.555542	0.832771	1.43158	1.79867	1.75005	0.742525	2.25063	1.07482	1.41829
LACRT	0.546686	0.109751	0.0376881	0	0	0.232748	0	0.283412	0	0	0	0	0	0	0
LACTB	2.04795	1.79726	1.77993	2.97727	1.15507	3.30595	1.34312	2.03672	3.60023	3.90147	5.80722	2.13263	5.32856	2.92115	2.44217
LACTB2	2.16352	1.68055	1.60953	1.92949	0.598493	3.30597	1.24542	1.42192	1.97826	1.45702	3.54172	1.54981	2.03834	1.18884	0.621642
LACTB2-AS1	0.185759	0.101882	0.074428	0.04724	0.0304351	0.0342761	0.0981836	0.141926	0	0.0164219	0.0525153	0.0474902	0	0.0402431	0.097993
LACTBL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAD1	39.2185	54.2569	38.0349	119.777	152.04	88.6805	55.8822	35.3105	205.887	162.065	81.4965	140.537	225.181	87.7919	30.5788
LAG3	0.151034	0.162334	0.163391	0.215508	0.451169	1.00904	0.265301	0.0826009	0.0424482	0.0437453	0.236075	0.0581909	0.47224	0.285387	0.8843
LAGE3	2.68255	2.63198	3.14722	5.10165	9.2051	9.07431	3.20206	1.86387	4.69266	3.70356	8.50666	3.38518	4.45279	3.59426	2.69673
LAIR1	1.58498	1.21571	1.25811	3.75687	2.70366	7.79254	1.2881	1.37524	0.186539	2.19344	4.76807	0.800155	2.50029	1.401	3.33967
LAIR2	0.0659346	0	0	0.0339738	0	6.48445	0	0	0	0.331019	0.483808	0	0.063811	0.0172302	0.236726
LALBA	0	0	0	0	0	0	0.0362967	0	0	0	0	0	0	0	0
LAMA1	0.431371	0.204377	0.34893	1.10888	1.26568	2.62615	0.136813	0.319472	0.0875602	0.691808	1.03609	0.0977415	1.63899	1.50523	2.62601
LAMA2	14.0954	3.39059	4.15236	4.30633	6.3278	13.5092	8.76797	9.68787	1.2156	3.48553	5.00836	1.71541	2.54818	2.96655	8.55617
LAMA3	9.84315	8.99918	8.36154	7.72759	6.22109	7.2066	5.87491	6.1618	5.25937	8.00316	4.32088	6.23589	15.7132	9.77192	7.7182
LAMA4	8.28829	3.95808	5.2677	6.88662	6.27105	15.9952	6.28564	3.56607	2.24233	14.4754	22.8803	3.93688	10.1009	13.1889	30.0396
LAMA5	9.74434	14.2796	14.057	13.8596	30.8101	20.7936	19.4326	10.1892	3.80458	8.8327	5.31837	10.4791	15.3041	11.5122	18.0585

LAMA5-AS1	0.336219	0.518184	0.513133	0.409198	1.57151	0.599773	0.94251	0.351092	0.0344291	0.141216	0	0.947232	0.0903866	0.443653	0.608815
LAMB1	14.5129	8.7359	8.66561	28.9573	20.6372	47.765	8.66486	9.46758	6.72097	24.8533	36.0333	11.4211	28.0705	27.5595	41.355
LAMB2	14.6636	14.3761	14.257	9.23514	39.731	29.291	24.4859	11.8207	5.65848	9.53727	13.4182	7.79789	13.5949	14.9987	40.7386
LAMB2P1	0.824931	0.831061	1.22839	0.216393	0.326175	0.549163	0.993254	0.7198	0.0913339	0.169425	0.135454	0.118052	0.125802	0.164619	0.280021
LAMB3	10.529	13.9335	8.97023	14.4846	23.609	22.8809	12.1098	4.84104	11.1424	23.4968	5.30651	12.6691	48.1943	16.1752	10.8249
LAMB4	5.42715	12.2927	17.1304	3.44561	1.827	2.20507	9.77491	10.0961	1.99777	2.14205	0.441271	2.95927	0.835423	0.162344	0.235577
LAMC1	21.5501	9.13227	11.5276	16.6485	14.222	36.3845	15.5483	13.4502	5.65928	24.6396	36.2924	7.71824	23.275	22.2639	39.9055
LAMC1-AS1	0.546295	0.358927	0.287594	0	0.0771441	0.211438	0.283519	0.573775	0.120968	0.0623324	0	0.0355353	0.0640849	0.259562	0
LAMC2	2.90756	6.46621	9.10026	8.61867	2.13937	5.67868	4.19338	3.18493	4.49465	12.9045	4.97771	6.02741	37.8574	17.6412	12.0978
LAMC3	2.03802	2.37167	3.75502	1.92815	2.60569	2.35903	5.01787	1.52453	0.374391	0.538259	0.402724	1.14868	4.10636	4.43121	2.39816
LAMP1	41.3477	48.523	46.183	55.3799	62.3166	71.6088	58.8402	37.3537	119.345	63.32	73.7997	71.5317	78.0097	41.9773	36.6908
LAMP2	7.84663	8.14558	8.63275	14.1275	2.65369	9.45823	5.85165	9.56096	11.742	14.7738	16.6692	11.5217	19.5256	9.30986	7.23289
LAMP3	0.602648	1.22821	1.61027	5.48922	0.47344	2.46546	0.39545	1.37897	0.531486	0.625973	1.94711	0.396515	3.03462	1.19109	0.567037
LAMP5	0.396673	0.152899	0.0281277	0.175193	0.187399	0.221958	0.0776415	0.0805783	1.75298	0.611664	1.04912	0.72985	0.12431	0.379097	0.618502
LAMP5-AS1	0.0120037	0.00578355	0.00993027	0	0.02527	0.010221	0.0411162	0	0	0	0	0	0	0	0
LAMTOR1	15.2128	13.9785	14.5175	28.5426	24.9113	37.0887	16.6747	11.6183	19.914	22.7399	50.6779	13.006	24.671	17.6971	12.3473
LAMTOR2	7.57842	7.17178	6.4662	20.3474	10.6105	17.2174	6.4411	5.13436	17.0521	17.5732	32.4554	10.9667	12.3225	11.3141	6.10065
LAMTOR3	3.03348	2.89188	2.79577	3.82817	0.705544	3.09402	1.8151	2.93618	5.35394	4.98138	7.13576	2.5497	3.88299	2.91647	2.15104
LAMTOR4	15.1026	19.6058	23.091	16.3198	38.6561	27.6978	22.6541	12.0363	20.1432	16.0391	38.9293	9.53754	10.1583	11.3765	8.91277
LAMTOR5	9.4428	7.56089	6.3668	16.3966	5.51107	17.1498	7.10456	6.35462	17.9152	22.847	39.1268	9.54904	16.9215	12.9229	7.87795
LAMTOR5-AS1	0.0434204	0.167365	0.0359204	0.0447459	0	0.0739437	0.148728	0.0385884	0.211524	0	0.0980324	0.0621369	0.0560292	0.0226934	0.249428
LANCL1	9.81968	10.5338	9.89672	11.1125	4.45269	11.5415	9.1308	11.5463	14.9671	9.12989	13.0345	8.51304	8.6354	5.9166	4.61417
LANCL1-AS1	0.170719	0.282751	0.361903	0.318874	0.0828703	0.118109	0.182738	0.502574	0.0259895	0.133918	0.060225	0.167961	0	0.144991	0.153233
LANCL2	2.96133	2.05185	2.39265	2.29565	1.43698	3.53558	2.19745	2.15457	2.02667	2.12197	2.92885	1.48362	3.14552	1.6811	2.04625
LANCL3	0.180588	0.314575	0.281552	0.28631	0.258937	0.42582	0.301354	0.31481	0.355281	0.278962	0.368519	0.193823	0.264398	0.264999	0.249372
LAP3	10.9874	6.34526	6.82858	21.3056	7.92593	43.4658	6.20335	7.24764	10.026	10.526	16.1606	5.50405	15.2802	6.88296	15.2571

LBP	0.0977531	0	0	3.80284	0.208786	8.62528	0	0.0325781	0	0.521433	1.17248	0	1.26928	0	0.29832
LBR	3.62904	3.37638	3.21902	5.45062	2.29829	6.78036	2.90644	3.12165	2.7384	4.66445	6.8323	2.72172	6.66725	4.59408	3.85652
LBX1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LBX1-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LBX2	0.234582	0.257362	0.239609	0.072793	0.703395	0.201646	0.40943	0.183875	0.0707996	0.00278088	0.160269	0.242815	0.0941854	0.20725	0.495428
LBX2-AS1	0.477193	0.289796	0.286445	0.471383	0.583902	1.25766	0.876169	0.291079	0.214099	0.467938	1.20123	0.176745	0.43724	0.412064	0.85997
LCA10	0.0336871	0.0243465	0.0557367	0.0173578	0.0261639	0.0143421	0.115389	0.0149692	0	0.0845616	0	0.0361561	0	0.0176064	0.0725684
LCA5	0.505135	0.356802	0.454398	0.283021	0.198067	0.739133	0.207181	0.300735	0.19113	0.406251	0.84151	0.322838	0.373374	0.363969	0.676137
LCA5L	0.241214	0.300001	0.353759	0.1989	0	0.0750229	0.290619	0.329564	0.0715371	0.144101	0.15472	0.101169	0.0252653	0.136209	0.154604
LCAL1	0.208496	0.226745	0.221763	0.05525	0.16656	0.0659403	0.197245	0.095294	0.24667	0.15701	0.0941464	0.187546	0.103773	0.333134	0.0427752
LCAT	2.05703	3.61068	3.47049	2.6828	4.71279	5.06854	3.18493	2.56424	0.840838	1.77917	1.6759	2.09814	1.29783	3.57085	2.84921
LCE1A	18.1442	50.7222	59.9486	28.1616	157.336	39.948	133.811	33.0727	474.781	33.7409	129.959	38.8154	2.22185	6.6187	1.11674
LCE1B	18.4291	37.4493	38.9803	13.0032	88.9273	13.8236	97.321	20.387	402.534	18.9481	73.7206	23.8579	1.5076	2.43186	1.16721
LCE1C	40.5917	83.7479	95.1785	29.9236	239.494	58.4653	251.538	51.0201	841.389	48.6482	179.309	63.4263	2.83596	6.45678	1.53031
LCE1D	7.48113	9.30952	11.4873	6.48931	34.9071	16.4002	30.9807	7.17475	158.28	5.44748	20.2968	5.71338	0.277801	0	0.618351
LCE1E	9.04915	9.97792	10.8151	8.23306	30.292	18.789	35.1641	11.252	239.597	7.81871	29.6475	10.1778	0.785217	0.574514	0.648377
LCE1F	17.9184	30.021	29.0385	40.4406	150.349	37.9621	96.5173	23.4911	594.726	46.2905	170.647	54.469	3.22107	8.8593	3.55707
LCE2A	20.2111	34.8835	39.8111	44.5165	121.875	30.5909	71.4162	31.6505	340.513	32.2362	134.776	43.077	3.35461	2.65612	1.68427
LCE2B	53.4065	105.596	142.87	32.8256	205.577	57.2074	261.483	66.3619	507.42	48.3116	170.161	53.0513	3.06344	5.05603	1.91761
LCE2C	29.9733	53.7462	72.3384	65.1288	122.577	43.0644	120.655	38.2692	449.324	44.955	151.785	42.0703	3.81845	4.90753	2.67615
LCE2D	10.13	23.4766	30.3944	18.8176	56.284	7.17691	72.4213	11.2958	132.431	13.5454	43.3326	15.7789	2.76514	2.19919	1.51074
LCE3A	2.91431	0.289092	0.141819	74.6404	8.92072	3.13836	0.5872	4.11352	162.015	16.1372	27.7706	52.9903	35.2832	9.36287	1.60027
LCE3B	0	0	0	2.9812	0.249647	0	0	0	1.1744	0	0.362856	0	0	0	0
LCE3C	0	0.104948	0.0450484	84.0628	10.1503	2.17925	0.248696	0.725916	49.872	13.8742	37.1291	17.1829	1.12428	3.41522	1.72047
LCE3D	71.8079	58.1271	26.8046	1011.7	386.006	217.484	65.2684	69.2318	2674.92	755.698	1535.21	884.189	1128.11	211.021	72.0361
LCE3E	14.5669	10.5623	6.12424	251.424	113.898	41.6743	17.5005	21.0453	690.114	163.562	347.845	221.123	268.764	39.115	15.1839

LCE4A	0.417529	0.718471	0.246721	0.245872	0.555915	0.0507887	1.22585	0.318056	2.46988	0.299453	0.606007	0.170716	0	0	0
LCE5A	2.99532	14.0915	20.1508	0.81537	12.9487	1.44366	9.13063	8.48822	5.74725	0.212798	0.478491	0.121315	0.127622	0.0443061	0
LCE6A	9.44467	22.4924	25.5274	16.4198	44.5165	8.90147	47.5796	14.1603	320.008	15.2021	47.49	21.0991	1.79088	0.715937	1.08717
LCK	0.60058	0.429064	0.531107	0.875018	1.64063	1.03159	0.200988	0.331291	0.390942	0.272924	0.537709	0.200047	0.815068	0.454599	1.0707
LCLAT1	2.49077	2.22525	1.68336	3.26724	1.20661	3.37899	1.74489	2.19858	4.21087	3.88915	4.79431	3.57348	5.31132	2.62565	2.00679
LCMT1	7.60176	7.3497	6.28867	8.94797	12.1492	12.6723	8.31296	5.50972	30.4079	14.3115	21.7394	16.1485	13.4604	8.23727	5.82243
LCMT1-AS1	0.201946	0.233522	0.200477	0.208112	0.0627385	0.481473	0.184461	0.143578	0.245948	0.101385	0.136783	0.115598	0.104236	0.401075	0
LCMT1-AS2	1.2872	1.20617	0.910644	0.420821	1.54442	0.461092	1.58118	1.06507	0.389215	0.523669	0.190405	1.24498	0.108824	0.825858	0.624695
LCMT2	1.38224	1.4224	1.36886	2.69008	1.69	2.92417	1.35057	1.27825	1.87582	1.39717	2.48668	1.35099	2.61975	1.85651	1.33175
LCN1	0	0	0	0.0302276	0	0.0499518	0	0	0	0	0.0331123	0	0	0.061321	0
LCN10	0.883498	0.0497551	0.0284763	0.16554	0.249523	0.605737	0.0393019	0.265125	0	0.0576042	0.0777163	0.0820995	0.0148059	0.143923	0.95573
LCN12	0	0.0485516	0	0.0692296	0	0.0286009	0	0.0298514	0	0	0.0758363	0	0	0	0
LCN15	0.0303715	0.0292669	0	0	0	0.0258609	0.0346771	0	0	0	0	0	0	0	0
LCN2	8.21647	0.884136	1.13287	54.0779	4.59468	11.124	1.1883	4.77071	19.78	5.80938	7.0802	10.9351	21.0459	1.67477	1.14066
LCN6	0.746867	0	0.107711	0.134175	0.202246	0.859193	0.0371645	0.404988	0.0396422	0.0817072	0.110235	0.0931616	0.0840044	0.136096	0.747935
LCN8	0	0	0.0189373	0	0	0	0	0	0	0	0	0	0	0	0
LCN9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LCNL1	0.189077	0.279374	0.208557	0.0649499	1.29229	0.493723	0.0719607	0.369679	0	0	0.0426889	0.0450966	0.0325311	0.026352	0.271539
LCOR	2.00592	1.74701	1.73036	1.80389	0.802678	1.57954	1.3275	2.16461	1.32408	1.80359	1.42721	1.36885	2.35714	1.52636	1.78439
LCORL	0.678239	0.773554	0.8895	0.710507	0.184417	0.69814	0.536327	0.988099	0.510772	1.17067	0.982811	0.930794	1.00467	0.635121	0.555211
LCP1	8.3718	7.62306	11.1186	21.5779	6.09902	13.9814	5.61248	12.232	2.32029	16.3858	25.2709	1.99675	20.2347	5.98715	17.6004
LCP2	1.30338	0.848562	1.10498	3.36347	0.970468	3.82472	0.940859	1.49339	0.367325	4.32628	5.49629	0.377665	3.6869	1.74242	4.69501
LCT	0.0258005	0.0106552	0.021344	0.0113949	0.0057253	0.031384	0.0168332	0.0196537	0.0134666	0.00462604	0.0249648	0.0131864	0	0.0192635	0.00529325
LCTL	0.0247943	0.0369879	0.0269466	0.0894037	0.0259969	0.0144841	0.0470796	0.0147234	0.0310634	0.0647512	0.0839214	0.0413485	0.0215499	0.00457008	0.351147
LDAH	1.58705	1.31926	1.10131	2.13274	0.830777	1.36125	0.955804	1.6481	1.63549	1.37172	2.38222	1.39763	1.31276	1.56778	1.89517
LDB1	14.1037	29.2185	31.0831	15.663	26.9262	27.4132	20.3326	15.1698	13.9543	11.8087	14.3513	13.9133	13.709	12.4747	10.2422

LDB2	4.41018	2.35281	2.91758	1.73477	1.78287	4.13431	2.87511	2.70155	0.652328	3.15176	6.8318	1.21446	2.03758	3.10842	5.93397
LDB3	1.60415	0.287274	0.246623	0.153609	0.562308	0.667847	1.46282	0.693893	0.0216114	0.115813	0.204326	0.226007	0.0366368	0.13355	1.21814
LDHA	96.9723	75.0141	77.6755	288.995	63.7317	266.727	73.0503	78.2742	141.641	311.598	309.483	179.253	467.613	272.211	129.718
LDHAL6A	0.259833	0.176995	0.200128	0.120033	0.111341	0.0610329	0.11253	0.183142	0.0327359	0.0224908	0.0809156	0.00641095	0.0289039	0.0842897	0.24448
LDHAL6B	0.509644	0.717774	0.821605	0.538669	0.345079	0.100143	0.626656	0.650359	0.302387	0.705261	0.30979	1.12204	0.0843127	2.28115	0.225204
LDHB	16.7749	5.27897	5.54369	18.2114	10.8139	29.7622	6.01523	7.58905	5.74643	39.7102	75.5012	10.9672	37.5294	35.915	25.2751
LDHC	0.0360484	0.156318	0	0	0	0.506463	0.144056	0.080092	0	0.0904888	0	0	0	0	0.10354
LDHD	0.569641	1.09785	1.0349	1.28917	2.48105	0.60868	0.981972	0.426838	0.734568	0.546732	1.34915	0.75125	0.410768	0.402797	0.368936
LDLR	4.87229	10.6803	12.3887	33.8336	12.1596	25.7883	9.16655	6.12667	28.9453	19.3695	11.5415	21.3824	55.8522	22.528	10.1685
LDLRAD1	0	0.00938609	0	0	0	0.0331751	0.0222424	0.0086564	0.106764	0.0244503	0	0.00696947	0.0125688	0	0
LDLRAD2	0.247494	0.280896	0.28499	0.336596	0.846285	0.454286	0.491735	0.259332	0.0106291	0.127883	0.0745338	0.174461	0.0386267	0.262194	0.970999
LDLRAD3	4.40242	5.27645	5.14085	4.50712	4.51719	6.02333	5.59967	4.18941	4.04758	2.78809	4.91117	3.78582	5.4128	3.9263	2.85878
LDLRAD4	1.89265	0.95024	1.09463	0.65158	1.62607	1.28712	1.5753	1.39549	0.379922	0.706859	1.0541	0.585739	1.03606	0.765957	2.16183
LDLRAD4-AS1	1.12189	0.432436	0.618739	0.099098	0.365135	0.12737	0.792964	0.740662	0.0130128	0.0268208	0.0723701	0.129968	0.0137874	0.139607	0.383614
LDLRAP1	4.34474	5.80899	4.99024	8.95477	11.5013	11.5282	6.00504	3.49685	5.32982	5.40362	6.84518	5.48973	10.2716	6.6845	4.74481
LDOC1	4.17489	4.56958	4.43124	4.18869	7.41497	9.34996	6.99723	4.64837	6.63869	1.52254	3.41465	3.1676	3.18152	2.12434	3.5974
LEAP2	0.556481	0.914765	0.56868	0.371069	0.254237	0.222982	0.261624	0.901833	0.358799	0.0410847	0.0739056	0.0702665	0.0633597	0.393491	0.564125
LECT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LEF1	0.812506	0.91348	0.782379	1.70026	1.30629	1.59802	0.556901	0.7955	0.900484	1.05541	2.09525	0.83038	1.0801	1.35563	1.69886
LEF1-AS1	0.0241472	0.105606	0.0800311	0.0565256	0.0723323	0.0817645	0.0265835	0.0759396	0.0300185	0.0293716	0.143748	0.0333189	0.0180106	0.069058	0.0167185
LEFTY1	0.0381742	0.0548619	0.117746	0.0293353	0.0442179	0.0121193	0.0487527	0.0252984	0	0	6.78E-11	0.0101842	0	0.0148777	0.286168
LEFTY2	0.0737628	0	1.51E-43	0	0.0469719	0	0.0345261	0.00895802	0	0.0253022	0.045515	0	0	0	0.231612
LEKR1	0.119499	0.0877358	0.0941508	0.0820984	0.0795531	0.125979	0.136441	0.131487	0.0970246	0.0285684	0.102781	0.0570033	0.0440574	0.0327148	0.0653776
LELP1	0	0.0206112	0.0353892	0	0	0	0	0.0380178	0	0	0	0.030609	0	0.0447156	0
LEMD1	0.240823	0.243667	0.0398451	0.0744524	0	0.922758	0.0549927	0.128414	0.263965	1.29971	0.434974	0.499713	1.13426	0.251729	0.276681
LEMD1-AS1	0.0665989	0.0131619	0.0279215	0.00857795	0.0258534	0.0141719	0.0665113	0.0147915	0.0202701	0.0835582	0	0.083363	0.00536921	0.0277286	0.107561

LEMD2	5.1156	5.30983	6.04307	8.16474	13.9493	9.30776	4.91412	3.76544	6.38442	6.63557	6.18678	3.86814	8.27788	7.30491	6.18105
LEMD3	4.03724	3.83225	3.7429	5.14966	3.11688	4.74375	3.25482	3.72946	4.22376	5.38797	4.63927	3.57556	7.31962	4.53764	4.12855
LENEP	0.320936	0.25772	0.1475	0.0367482	0.387741	0.121455	0.16286	0.285221	0.217147	0	0	0.0510307	0	0.0931862	0
LENG1	2.27924	2.0998	2.5486	3.92331	5.21341	4.0521	2.03041	1.58041	2.86737	2.48345	3.61913	1.86384	4.20158	2.27774	1.69059
LENG8	16.477	25.4672	23.8172	16.0866	39.7416	21.6986	25.7091	19.0427	6.87535	12.584	4.88199	18.8678	7.72575	18.0567	25.4937
LENG8-AS1	1.6086	2.52515	1.95319	1.1497	2.53901	1.21506	1.62928	1.52182	0.473974	0.716404	0.205022	1.37377	0.0669587	1.17972	1.63946
LENG9	1.00121	1.41029	1.63856	2.97931	3.37597	2.94349	1.00307	0.763702	0.946228	1.5034	1.77066	1.88968	3.23773	1.80574	1.55627
LEO1	3.66483	4.12659	3.89443	7.05263	2.84636	5.948	1.7223	3.11303	5.90591	5.19693	5.19998	4.58539	6.50573	5.6351	3.06775
LEP	0.202595	0.0195226	0.0223467	0.0347966	0	0.120755	0.100237	0.00600164	0.00822458	0.0169518	0.0457408	0.00483206	0.0174284	0.0317654	0
LEPR	1.14935	0.983946	1.33418	0.978445	0.451646	1.654	3.48699	1.23869	0.311325	0.74125	0.701699	0.405586	1.85382	0.956397	1.18835
LEPROT	9.49031	6.96747	7.53758	11.4145	3.46631	16.0043	6.73167	7.4688	8.73841	14.0667	21.7888	7.19699	16.6745	9.08669	12.1205
LEPROTL1	3.16958	3.32005	3.68676	5.22918	1.65638	4.58993	2.79606	4.49651	7.57706	4.79038	7.43008	4.68844	4.69257	3.40152	3.6542
LETM1	5.33027	6.40827	6.41457	10.497	10.9519	11.509	6.78741	5.27558	8.17394	6.4401	3.78348	7.92502	13.9148	8.95099	5.06273
LETM2	0.32796	0.168551	0.248702	0.129556	0.0424529	0.186169	0.193468	0.335183	0.0332849	0.363601	0.382567	0.230753	0.35619	0.562784	0.635839
LETMD1	3.60014	3.78703	3.94144	2.63351	2.45833	2.84616	3.2412	2.77619	1.00451	1.82443	2.52648	1.6554	1.2587	2.25681	2.129
LEUTX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LEXM	0.323408	0.311645	0.321055	0.186637	0.622931	0.143196	0.546499	0.264424	0.835013	0.519564	0.262863	0.370251	0.559211	0.304249	0.185782
LFNG	5.77295	6.28393	7.62186	2.14684	8.92179	4.96555	9.97503	5.57379	3.44839	2.0899	3.36196	2.19918	2.64086	2.60698	3.82402
LGALS1	73.079	26.4579	34.2767	98.091	92.5143	95.3163	81.4029	33.1736	18.2853	233.781	748.466	33.4751	125.582	118.333	237.181
LGALS12	0.120641	0.00484391	0.0166339	0.0103604	0.0468495	0.179768	0.0918297	0.0178693	0.012244	0.0126181	0.0113491	0	0.0389186	0.00525437	0
LGALS13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LGALS14	0	0	0	0	0	0.0545873	0	0	0	0	0	0	0	0	0
LGALS16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LGALS17A	0	0.00986785	0	0	0	0.0348779	0	0	0	0	0	0	0	0	0
LGALS2	1.00813	1.45719	2.17563	1.67128	2.58725	2.31396	1.40127	1.44129	0.266909	0.880209	1.53389	0.564527	2.03615	1.35159	3.39917
LGALS3	56.8841	54.411	60.224	40.215	30.8533	58.1262	71.7306	36.9839	76.9676	55.6217	85.0296	36.6589	48.1795	26.5048	28.1417

LGALS3BP	11.3258	10.1491	10.7757	33.4527	24.21	50.6252	9.33024	8.97331	6.87181	9.34385	28.2411	7.73752	7.38	9.44097	23.8978
LGALS4	0.379988	0.427196	0.284414	0.279706	0.393501	0.123259	0.0826395	0.369863	0.0220372	0.0454213	0.0204266	0.064736	0.0583729	0.709279	0.103945
LGALS7	182.119	78.8133	2.5499	85.9755	11.7721	71.4372	16.2697	103.833	731.121	1078.91	1720.29	18.3341	117.003	1.91486	4.63333
LGALS7B	171.731	554.625	582.486	494.705	1254.17	455.009	965.077	244.482	1615.8	58.9306	129.077	900.438	304.867	656.731	127.719
LGALS8	4.64906	5.21271	4.98651	5.72692	1.41495	7.06111	3.49057	5.06455	8.74209	5.70812	7.62643	4.9127	5.74261	4.13503	3.51317
LGALS8-AS1	0.0326002	0.111552	0.242188	0.133781	0.56518	0.172109	0.209507	0.117148	0.081984	0.210334	0.341374	0.0829806	0.0739424	0.0518786	0.253889
LGALS9	3.72598	1.59698	2.37644	8.17348	4.05549	26.3077	2.95098	2.72836	1.16641	3.06277	9.86377	0.866216	4.66405	2.50963	6.83945
LGALS9B	0.216709	0.315663	0.0724299	0.603028	1.30626	0.525811	0.026088	0.335017	0.42701	3.7297	0.510996	2.68874	2.1197	1.25354	0.620938
LGALS9C	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9D	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9E	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9F	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9G	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9H	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9I	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9J	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9K	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9L	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9M	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9N	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9O	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9P	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9Q	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9R	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9S	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9T	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9U	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9V	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9W	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9X	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9Y	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGALS9Z	0.179876	0.954679	0.115184	0.444401	4.72282	0.37679	0.0887379	0.415819	1.2653	6.88398	0.983137	8.98683	4.70403	3.6813	1.87117
LGI1	0.103781	0.050003	0.0546347	0.00972262	0	0.00803343	0.0538605	0.025154	0	0	0	0.0067507	0	0	0
LGI2	0.226356	0.105544	0.193298	0.361186	0.158791	0.481847	0.400174	0.220634	0.0266783	0.348251	0.597605	0.0339601	0.701951	0.156466	0.812689
LGI3	0.148807	0.563338	0.879312	0.124141	0.0770496	0.899019	1.63431	0.522692	0.12082	0.0444686	0.0799927	0.096335	0.00457189	0.0111104	0.0508823
LGI4	5.28892	1.66797	1.93577	0.693686	4.43141	5.95001	2.60763	1.66649	0.23423	0.854912	1.26648	0.407106	0.615264	1.13082	2.83107
LGMN	15.5562	7.24405	8.40638	21.843	18.7596	39.0937	21.6131	11.21	20.501	23.6517	56.384	9.39511	18.5083	11.4894	24.5717
LGR4	7.14841	7.16726	5.75275	5.23466	4.20951	4.81831	5.22925	5.59863	3.83886	5.38766	6.91189	3.27394	5.28537	3.27397	3.53634
LGR5	0.737853	0.175476	0.344331	0.0389938	0.0146941	0.519533	0.658845	0.184953	0.0172812	0.00593642	0.0320363	0.00676864	0.0122066	0.0148321	0.285291
LGR6	1.28431	2.05858	0.804744	0.28174	2.153	1.64036	1.98906	0.870168	0.704641	0.159598	0.229676	0.200169	0.0697363	0.29242	0.429151
LGSN	0	0	0	0	0	0	0	0.00365062	0	0	0	0	0	0	0
LHB	0.309754	0.469053	0.329465	0.136805	0.0687364	0.226073	0.202095	0.275284	0.107784	0.166617	0.0499534	0.221637	0	0.161891	0.0635494
LHCGR	0.0598592	0.0468667	0.0557097	0.0231325	0	0.00637116	0.0768884	0.0332487	0	0.0187824	0	0	0	0.0351956	0.0107457
LHFPL1	0.144234	0.0442236	0.0433894	0.0135125	0.0407356	0.0781541	0.0449133	0.0233061	0	0	0.0296041	0	0	0	0
LHFPL2	3.6561	1.41013	1.97338	5.86194	2.8004	5.55049	2.68692	3.06985	0.541924	10.0469	15.3647	3.57776	8.06819	5.48796	10.073
LHFPL3	0.0291474	0.0105328	0.0180846	0.0525652	0.022638	0.0124093	0.0499194	0.0518076	0	0.00914575	0	0	0	0.00380843	0
LHFPL3-AS1	0	0.0125641	0.0323587	0.0134364	0.0607591	0.0222039	0.0148868	0.0231748	0	0	0	0.0186586	0	0	0
LHFPL3-AS2	0.113694	0.0121732	0.0836051	0.0650917	0	0.096809	0.115389	0.0336806	0	0.0475659	0	0.00903901	0	0.0132048	0

LHFPL4	0.203924	0.379306	0.372711	0.146616	0.346232	0.383621	0.368203	0.252881	0.0519817	0.0654746	0	0.0780467	0.0520164	0.0917082	0.0681073
LHFPL5	0.0107793	0	0	0	0	0	0	0.0191594	0.0131279	0	0	0.00771284	0.0278189	0	0
LHFPL6	10.8208	6.74828	9.20903	5.31587	14.343	19.5599	12.012	5.35635	2.6122	6.54161	15.5446	2.99268	5.97825	5.82919	22.2551
LHPP	2.83107	3.03785	2.55683	4.01316	7.60466	4.40018	3.303	2.15345	4.14052	2.21886	4.99624	3.42334	1.81862	2.19684	1.77545
LHX1	0	0	0.0111603	0	0.0104777	0.00574352	0.00770154	0	0	0	0	0	0	0	0
LHX1-DT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LHX2	0.10537	0.0461535	0.0396224	0.236916	0.446388	0.579109	0.0109371	0.11067	0.0349987	0.228432	0.42173	0.082249	0.222493	0.325419	0.729109
LHX3	0	0.00713872	0	0.0152686	0.0115074	0	0	0.0131675	0.0180446	0	0	0.0106015	0.0095594	0	0
LHX4	0.302115	0.530582	0.472493	0.372295	0.805188	0.352833	0.737029	0.532844	0.0600013	0.465519	0.172786	0.46175	0.155965	0.441834	0.247636
LHX4-AS1	0.840284	1.18176	0.90524	0.75102	1.41949	0.74431	0.831308	0.660461	0.148513	0.370452	0.231787	0.502364	0.0358179	0.898463	1.13832
LHX5	0	0	0	0	0	0.0378234	0	0	0	0.0418142	0.087754	0.007946	0.0143299	0.0290201	0.0797417
LHX5-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LHX6	1.80722	0.425129	0.492491	1.20508	0.693553	1.77418	0.837508	0.599928	0.0712085	0.547048	1.6201	0.224393	0.984248	0.983423	2.19845
LHX8	0	0.00911748	0	0	0	0.0241693	0	0	0	0	0.010681	0	0	0.00989008	0
LHX9	0.00900508	0.00433878	0	0.00927999	0	0.0306708	0.0102817	0	0.0109672	0	0	0	0.0348602	0	0.0646622
LIAS	1.8557	2.64815	2.12185	2.92334	0.991447	2.07326	1.03915	1.71222	1.71302	2.06206	2.49514	1.52232	1.30405	1.37141	1.25612
LIF	0.513124	1.60375	1.95612	3.89983	0.606852	0.600763	0.638392	0.966587	0.213043	0.292738	0.441022	0.250332	4.10819	0.719211	2.16049
LIF-AS1	0	0	0	0	0	0	0.032703	0	0	0	0	0	0.0554398	0	0.123402
LIFR	9.70842	2.59786	2.98319	0.975828	0.811695	3.71393	3.17903	5.81982	0.215879	0.519367	0.844498	0.178689	0.620127	0.348565	1.1121
LIFR-AS1	0.637291	0.253891	0.287153	0.065632	0.123846	0.414199	0.308595	0.31661	0.0153821	0.0363775	0.0592046	0.0142631	0.00321528	0.016146	0.0572547
LIG1	2.60788	3.29086	3.26284	3.82905	4.18211	5.68887	2.71103	2.41037	1.16155	1.41525	1.09348	1.571	2.10885	1.9627	2.06167
LIG3	3.7741	4.9549	5.46876	5.1796	4.97759	5.24991	6.17239	3.89205	4.2712	2.94938	2.23743	3.26519	3.97419	3.71548	2.78674
LIG4	0.822468	1.1196	0.959123	1.35306	0.43099	1.53564	0.543075	0.788183	1.74991	2.96626	1.82337	1.37198	4.93568	2.03275	1.14559
LILRA1	0.0630422	0.0172256	0.00985868	0.38685	0.0894309	0.251465	0.0272132	0.0270845	0.00725686	0.314102	0.813903	0.00504743	0.553599	0.0373704	0.650337
LILRA2	0.295613	0.0262781	0.0902383	0.712553	0.0568073	0.21132	0.217951	0.113098	0.0221411	0.559282	1.41009	0.0130082	0.589184	0.137774	0.339413
LILRA3	0	0	0.0238129	2.66973	0.290634	0.789681	0	0	0	0.96733	1.29978	0.0617891	4.39225	1.04557	1.05414

LINC00160	0	0	0	0.0343654	0	0	0	0	0	0	0	0	0	0	0
LINC00161	0.133006	0.153802	0.176051	0	0	0.0679517	0.12149	0.0236409	0	0	0	0	0.013903	0.114608	
LINC00163	0.0107392	0.0362203	0.0799583	0	0.116772	0.146309	0.0735703	0.0381766	0	0	0	0.0230526	0	0.0392896	0.0616916
LINC00167	0.0889185	0.109373	0.133745	0.0583119	0.0627823	0.0550639	0.110754	0.150863	0.0295344	0.0405825	0.0912526	0.0578396	0.0260772	0.0253487	0.0812625
LINC00173	0.854584	2.01424	1.88207	0.35703	0.878996	0.255667	0.580167	1.38554	0.0562587	0.0289889	0.0391102	0.157001	0	0.229357	0.248775
LINC00174	1.01486	1.95338	2.00371	0.657697	1.64144	1.24276	1.32	1.34359	0.280327	0.249499	0.295271	0.812253	0.19576	0.645243	0.706197
LINC00184	0.0305855	0.0392975	0.0253025	0.0525321	0.0316733	0.104173	0.023281	0.0453031	0.0372497	0.089572	0.0115091	0.116719	0.0197336	0.0745982	0.0292831
LINC00189	0.0468009	0.112747	0.077434	0.289378	0.181745	0.0797007	0.0534358	0.207964	0.113996	0.14685	0.0792486	0	0.120783	0.0978408	1.41145
LINC00200	0	0	0	0.00979852	0	0	0	0.0253504	0	0	0	0	0	0	0
LINC00207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00211	0.0186037	0.00448178	0.0153903	0.00958585	0	0.0237613	0.0106206	0.0413336	0	0.0466992	0.0210013	0	0	0.00486156	0
LINC00216	1.88037	1.63278	1.4872	0.936948	0.0962924	0.475055	0.566228	1.89149	0.17616	0.622434	0.489855	0.650551	0.0799917	1.38235	1.30571
LINC00221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00222	0.105616	0.0763309	0.0655296	0.0680251	0.0410144	0.0112413	0.0150736	0.0703969	0	0	0	0.0850173	0	0.0413996	0.151678
LINC00226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00229	0	0	0.0463573	0	0	0	0.0319903	0	0	0	0	0	0	0	0
LINC00235	0.288772	0.337899	0.853189	0.382614	1.9865	0.772784	1.13044	0.293299	0.502418	0.103554	0.232849	0.501802	0.319396	0.452775	0.473959
LINC00237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00239	0.108145	0.173687	0.0894653	0.222893	0.111991	0.0306947	0.0823177	0	0.131709	0.0904888	0.0406941	0.0515871	0.0697747	0.0565214	0
LINC00240	0.0236879	0.182611	0.235155	0.024411	0.0367954	0.141189	0.0540921	0.0631554	0	0.0891921	0.0534813	0	0	0.0866622	0
LINC00242	0.0765692	0.0675617	0.0357629	0.0887702	0.162266	0.15815	0.0764962	0.0451358	0.153059	0.184539	0.151265	0.0547873	0.160557	0.0991028	0.360972
LINC00243	0.00611334	0.0186548	0.00674318	0.00629997	0.0158269	0.00347028	0.00930668	0.00905504	0.00248179	0.00767286	0.0138024	0.00437425	0.0157772	0.0138454	0.0292651
LINC00244	0.0378773	0.109499	0.125339	0	0	0	0.216236	0.134649	0	0.0475399	0	0.0271022	0	0.0197963	0.217587
LINC002481	0.165217	0.0612338	0.0946239	0.013097	0.0987072	0.0649292	0.0725535	0.180715	0.0309562	0.0159511	0	0.0272808	0.0327991	0.112919	0.346782

LINC00251	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00254	0	0	0.173525	0	0	0	0	0	0	0	0	0	0	0	0
LINC00260	1.08908	2.26512	2.29747	0.617283	1.32518	0.664595	2.81856	1.51636	0.287383	1.07075	0.0614721	1.67543	0.128823	1.58428	1.92901
LINC00261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00265	1.08015	1.23979	1.29371	0.577772	1.58762	1.41455	1.44626	1.3484	0.364183	0.368382	0.417242	0.799644	0.437848	0.699823	1.38571
LINC00266-1	0.383676	0.565823	0.648191	0.958695	2.11084	0.514686	0.50652	0.252471	0.390321	0.231426	0.595234	0.281965	0.0939188	1.06448	0.470509
LINC00266-3	0	0.0378417	0.0433158	0	0	0.111459	0	0	0	0	0.0886616	0.0749297	0	0	0.0375977
LINC00269	0	0	0	0	0	0	0	0	0	0.066836	0	0.0152411	0.027486	0.0834945	0
LINC00271	0.206196	0.156119	0.292423	0.0910676	0.0305042	0.108688	0.201795	0.139619	0	0.0246474	0.0332528	0.00702566	0.0126702	0.0615812	0.0846067
LINC00272	0	0.120875	0	0	0.0487116	0	0.107415	0.0557388	0	0	0	0	0	0.0163897	0
LINC00276	0	0.00636636	0	0.00680833	0	0	0.00754324	0	0	0	0.00745807	0	0	0.0103588	0
LINC00278	1.26632	1.36754	1.3727	1.84497	2.71314	1.85906	0.548422	1.47466	1.54223	0.274027	1.28163	1.18728	0.0563463	0.433615	0.501681
LINC00279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00284	0.0270785	0.0130468	0	0	0.0280415	0.00768565	0.0309173	0.00802169	0	0.0113287	0.0101894	0.00645845	0.0116473	0.0141524	0
LINC00290	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00293	0	0	0	0	0	0	0	0	0.0131157	0	0	0.00770566	0	0	0
LINC00294	2.01082	2.89945	2.47298	2.28306	1.76162	2.28627	1.90403	1.69493	2.30302	2.29925	1.74767	1.54597	2.0834	2.15823	2.68265
LINC00297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00298	0	0	0	0	0	0.00910208	0	0.0190001	0	0	0	0	0	0	0
LINC00299	0.054631	0.0197415	0.033896	0.0211121	0.0636456	0.0174441	0.023391	0.00606893	0.0083168	0.0342837	0.0231268	0.019545	0	0.00713813	0.0392285
LINC00301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00302	5.73456	10.302	13.4866	9.58205	17.7519	7.95216	27.7335	7.28057	121.223	12.9554	45.5464	17.7904	1.50639	2.24785	0.882381
LINC00303	0.0305721	0.0147301	0.037937	0	0	0.0130159	0	0.013585	0	0	0	0	0	0	0
LINC00304	0.0515895	0.0198853	0.0426785	0.0318987	0.112191	0.0263567	0.0706839	0.0183394	0	0	0	0.00738273	0	0.0161778	0.0296356
LINC00305	0.0266318	0.0256632	0	0.0274449	0	0	0.091222	0.0236681	0	0.0334257	0.030064	0	0.0515481	0	0

LINC00307	0.0545827	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00308	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00309	0.0280013	0.0168643	0.00579116	0	0	0	0.0159855	0.0124426	0.0085256	0	0.015805	0.0100178	0	0	0.0201067
LINC00310	0.281764	0.0925623	0.254285	0.25077	0.278521	0.218107	0.131608	0.0682931	0.0935882	0.112523	0.303618	0.137461	0.0578431	0.234281	0.0735724
LINC00311	0.116753	0.112507	0.0321955	0.0267372	0.46347	0.11046	0.222175	0.161405	0	0.0488457	0.073222	0.111387	0	0.189841	0.335344
LINC00312	1.73954	0.432586	0.663165	0.470879	0.136973	0.525584	0.99765	1.21824	0.0292888	0.452757	0.352927	0.149133	0.268948	0.645209	1.51964
LINC00313	0	0.107017	0.0710909	0.288337	0.255187	1.16E-22	0	0.106568	0.243399	0.250837	0	0.342553	0.0257738	0.201555	0.286847
LINC00314	0.158786	0.133885	0.0985192	0.0409084	0	0.101403	0.0453242	0.352789	0	0	0	0	0	0	0.513083
LINC00316	0	0	0	0	0	0.0433099	0	0	0	0	0	0	0	0	0
LINC00317	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00319	0.119664	0.526592	0.514772	0.238414	1.66053	0.421156	0.428103	0.304863	0.456644	0.540687	0.180115	1.22726	0.257356	0.346064	0.263508
LINC00320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00322	0	0.012294	0.0211087	0	0	0	0	0	0	0	0	0	0	0.0266716	0
LINC00323	0.0343879	0.0386601	0.0853443	0.0118126	0.0890271	0.0976028	0.0261753	0.010187	0	0.0287736	0.0517595	0.0328073	0	0.0119817	0.0329236
LINC00324	0.552604	0.889285	0.694872	0.318906	0.412025	1.054	0.757134	0.520575	0.309584	0.291301	1.0605	0.158161	0.221053	0.404341	0.492038
LINC00326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00327	0.110891	0.133573	0.14678	0.0228554	0.0172253	0.0472113	0.10129	0.108406	0.0270107	0.111344	0.137701	0.0317383	0.0500826	0.0231827	0.0159254
LINC00330	0.0457733	0.071427	0.00955271	0.0468788	0.0885013	0	0.0649238	0.0303208	0.0138504	0.100025	0	0.146472	0.0293499	0.0237995	0.0328242
LINC00331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00332	0	0	0.0229014	0	0	0	0.0316076	0.0738072	0	0	0.0312507	0	0	0	0.119269
LINC00333	0	0.0549294	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00334	0.0426994	0.0205732	0	0	0	0	0	0.0379476	0	0	0	0	0	0	0
LINC00336	0	0	0	0	0	0.0187053	0.012541	0	0	0.0137859	0	0	0	0.017222	0.063097
LINC00337	0	0.0203976	0	0.0145424	0.109601	0.108143	0.0161122	0	0.0343727	0.0531346	0.0318605	0.0706807	0.0182095	0.022126	0.0405321
LINC00339	1.13381	1.28538	1.36557	1.20279	1.6576	1.87406	1.2184	1.06691	0.893493	1.40212	4.53622	0.429497	0.882136	0.732009	1.26911
LINC00342	5.26536	5.39839	6.0191	1.66117	2.49115	1.18542	4.69643	3.60093	0.190555	0.966851	0.830835	1.12279	0.153823	2.13584	4.48242

LINC00434	0	0	0.0199433	0	0	0	0	0	0	0	0	0	0	0	0
LINC00437	0	0	0	0	0.0304783	0	0	0	0	0	0	0	0	0	0
LINC00440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00442	0	0.0469392	0.0268647	0	0	0	0	0.0192401	0	0	0	0	0	0	0
LINC00443	0	0.00911748	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00445	0	0.0147691	0.0253584	0	0	0	0	0	0	0	0	0	0	0	0
LINC00446	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00448	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00449	0.156548	0.0879986	0.0431693	0.0268879	0.0810578	0.0222165	0.148951	0.0463757	0	0.130989	0.0589078	0.0186691	0.218842	0.054546	0
LINC00452	0	0	0	0	0	0.0122626	0.0164431	0	0	0	0	0	0.0278751	0.0075268	0.0206822
LINC00454	0	0.012094	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00456	0.0297087	0.0858845	0.0491542	0	0	0.0252965	0.0678408	0.0528052	0.144727	0	0	0	0	0.015527	0.0426654
LINC00457	0	0.0285915	0	0	0	0	0.0677538	0	0	0	0	0	0	0	0
LINC00458	0.145914	0.130193	0.0657471	0	0.123452	0.0812061	0.10889	0.0565044	0	0.0199498	0	0	0	0.083074	0
LINC00459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00460	0	0	0	0	0	0	0	0	0	0.190264	0.114086	0	0.0815053	0.171662	0
LINC00461	0	0.00578055	0.0297754	0.00309093	0	0	0.00684914	0.0213246	0.00365288	0	0	0	0	0	0
LINC00462	0.0452455	0.0653999	0.131006	0.116567	0.105423	0.0385259	0.206639	0.0402104	0.13776	0.482695	0.408612	0.11331	0.729803	0.224649	0.0974673
LINC00463	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00466	0.012716	0	0	0	0	0.0108275	0	0	0	0	0	0	0	0	0
LINC00467	1.55712	0.838507	0.808256	0.975379	0.189705	1.76782	0.732063	0.814022	1.30145	1.60946	2.65392	0.480618	0.630365	0.68616	0.613864
LINC00469	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00470	0	0.0995152	0.0170866	0	0	0.0087934	0.0117912	0.00917787	0.0125773	0	0	0	0	0.026987	0
LINC00471	0.180523	0.173957	0.104539	0.260448	0.112166	0.199827	0.123669	0	0	0.0679725	0.0815152	0.0258338	0	0.0566095	0.103702
LINC00472	1.1903	0.465097	0.646457	0.219398	0.289367	0.519121	0.662947	0.743926	0.0530359	0.124495	0.303151	0.162721	0.0905335	0.370479	0.667089
LINC00473	0.199004	0.100953	0.0840508	0.166849	0.281084	0.90826	0.0372198	0.194673	0.011599	0.411589	0.746109	0.170365	0.0614477	1.19878	2.27047

LINC00474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00475	0.266145	0.0892054	0.0382911	0.0119248	0.0718983	0.059118	0.145332	0.0205676	0	0.0726173	0.156754	0.0248392	0.00746589	0.102812	0.099709
LINC00476	0.800033	0.50254	0.474999	0.226709	0.740695	0.612901	0.357932	0.55101	0.0865501	0.265217	0.546421	0.160575	0.309706	0.257866	0.378462
LINC00477	0	0.0195626	0	0	0	0	0.0772631	0	0	0.0509595	0	0	0	0	0
LINC00479	0.0910696	0.0822726	0.047087	0.0117312	0.0176828	0.0193861	0.0129975	0.0910519	0	0.0428631	0.0385523	0.130325	0	0.0297481	0.0163484
LINC00482	0.116884	0.142669	0.0644632	0.248935	0.229978	0.345021	0.115661	0.0692512	0.0949011	0.293403	0.131948	0.211872	0.281542	0.423549	0.380483
LINC00484	0.356831	0.24561	0.210854	0.105064	0.158366	0.390648	0	0	0.248332	0	0.115091	0.145898	0	0.159853	0.219623
LINC00485	0.0220258	0.0638336	0.0425638	8.94E-22	1.54E-15	0.0630141	0.0686157	0.0973626	2.91E-36	0.0242318	0	0.019438	9.19E-43	0.0234142	0.0937614
LINC00486	0.0215736	0	0.0044618	0	0	0	0.03079	0.0191728	0	0	0.00608847	0	0	0	0.0154912
LINC00487	0	0	0.00898431	0.0111917	0	0.166451	0	0	0	0.0136306	0.0245196	0.031083	0	0	0.0155966
LINC00488	0	0	0	0	0	0	0	0	0.011167	0	0	0	0	0	0
LINC00489	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00491	0.183978	0.10933	0.0610363	0.0302095	0.246568	0.0123656	0.0638517	0.147256	0.0203628	0.0170011	0.128146	0.00960896	0	0.0599125	0.115849
LINC00492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00494	0.00644294	0	0	0	0	0.00548608	0	0.0171779	0	0.0161731	0.0145466	0	0	0.00673473	0.0277586
LINC00499	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00501	0	0.0818085	0.0385661	0.0231342	0.0697305	0.00955763	0.0256474	0.0400918	0	0.0422398	0	0.104488	0.0072379	0.0117327	0.162964
LINC00502	0	0	0	0	0	0	0.0489333	0	0	0	0	0	0	0	0
LINC00504	37.1014	36.0226	35.5495	17.3465	8.17965	7.98309	19.8883	42.4512	9.29655	13.2198	5.67764	19.7532	3.66544	25.4853	26.0501
LINC00506	23.955	22.2943	22.1624	11.6199	6.9111	6.57686	16.4848	21.884	3.77282	9.49044	4.23918	13.4233	2.39545	17.0106	17.3875
LINC00507	0.39147	0.38693	0.491802	0.16292	0.172555	0.0954403	0.268851	0.345338	0.0666882	0.0863233	0.0490852	0.285876	0.0518918	0.303442	0.140501
LINC00508	0	0	0	0	0	0	0	0	0	0.0203552	0	0	0	0	0
LINC00511	0.0613061	0.0344612	0.0845279	0.0315889	0.0634864	0.0435011	0.0583311	0.0908063	0.0622199	0.0384727	0.046138	0.0584882	0.0395544	0.0534021	0
LINC00513	2.95703	1.77799	2.32496	1.30959	0.949027	1.14449	2.28803	1.41172	0.119052	0.705469	0.524168	1.13661	0.646466	1.99251	3.61494
LINC00514	0	0.0138475	0	0.0074044	0	0.0489438	0	0.00638548	0	0	0	0.0205644	0.0231788	0.00375522	0
LINC00515	0.668577	0.446027	0.340366	0.264995	0.239661	0.481702	0.64592	0.502764	0.0626347	0.0645487	0	0.110396	0.0995452	0.188153	0.147717

LINC00557	0	0.00871828	0	0	0	0	0	0.016081	0	0.0227106	0	0	0	0	0
LINC00558	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00559	0	0.00577008	0	0.00617066	0	0	0.00683674	0	0	0	0	0	0	0	0
LINC00560	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00561	0	0	0	0	0	0	0.0193228	0	0	0	0	0.00605465	0	0	0
LINC00562	0.766378	0.465878	0.532402	0.299327	0.319902	0.214937	0.462108	0.65866	0.125771	0.235198	0.116349	0.498248	0.0967241	0.338914	0.526844
LINC00563	0.0165308	0.0159295	0.0136754	0.0340708	0.025678	0.0422272	0.0188743	0	0	0	0	0	0	0.0172794	0.0712207
LINC00564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00565	0.0373576	0.035999	0.0618097	0.173242	0.246625	0.318095	0.0959709	0.0249003	0	0.0703315	0.137059	0.0066826	0.45193	0.268465	0.41579
LINC00566	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00567	0.00678881	0.0065419	0	0	0.0210907	0.121392	0.00775124	0	0	0.00852065	0.0383186	0	0	0	0.00974959
LINC00570	0	0.0167679	0	0	0.0270294	0.0148165	0.0397353	0.0463931	0	0.0436796	0	0.0124507	0	0.00909441	0
LINC00571	0.399784	0.535061	0.293982	0.183106	0.276001	0.226941	0.304307	0.197386	0.108198	0.390266	0.10029	0.254272	0.286598	0.232161	0
LINC00572	0	0.038785	0.0332966	0	0	0	0	0	0	0	0	0	0	0	0
LINC00574	0.0450956	0.0362827	0.033451	0	0.0152105	0.0276039	0.0102977	0.0135756	0.0425018	0.0864626	0	0	4.86E-15	0.0103164	0.100236
LINC00575	0	0	0	0	0	0	0.0290373	0	0	0	0	0	0	0	0
LINC00578	0.0757547	0.109499	0.188009	0.0195168	0.235346	0.0483781	0.0864942	0.0504933	0.0691955	0.0475399	0.128276	0.0813067	0.171068	0.0197963	0.217587
LINC00581	0	0	0	0	0	0.0399311	0	0.0208385	0.0285569	0	0	0	0	0	0
LINC00582	0.155062	0.168101	0.384835	0.0798981	0.0602163	0	0.177045	0.275613	0.0472121	0	0	0.110951	0.0250114	0.0607818	0.0556723
LINC00583	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00587	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00588	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00589	0	0	0	0	0	0.0704793	0	0.0147122	0	0	0	0	0	0.00865205	0.0713226
LINC00592	0.53677	0.606772	0.580686	0.297854	0.577239	0.158211	0.141431	0.440342	3.44463	1.76199	3.75221	1.09313	0.466202	0.453179	0
LINC00593	0	0	0	0	0.0270294	0	0	0	0	0	0	0	0	0	0
LINC00595	0	0	0	0	0	0.0450938	0.0604668	0	0	0	0	0.0378935	0.0341688	0.0691966	0

LINC00597	0.664764	0.633138	0.677832	0.286769	0.0480283	0.368583	0.388328	0.590787	0.169453	0.271648	0.157068	0.30973	0.0698213	1.0423	1.73175
LINC00598	0.110058	0.0593911	0.0509869	0.0408306	0.0478684	0.0674735	0.0955023	0.0899858	0.0107231	0.0497284	0.0248484	0.0283499	0.00284036	0.0322119	0.0569007
LINC00599	0.00792028	0	0	0	0.147635	0	0.00904312	0	0	0	0	0	0	0	0
LINC00601	0.0198143	0.00954681	0	0.0612575	0	0.0506147	0	0.070437	0	0.174082	0.0671035	0	0	0.0828464	0
LINC00602	0.0123808	0	0.0123503	5.95E-34	1.12E-14	9.25E-26	0.020182	0	0	0.0501798	0.121491	2.57E-29	1.70E-15	0.00682845	0
LINC00603	0	0	0	0	0	0.315577	0	0	0	0	0	0	0	0	0
LINC00605	0	0.0286282	0.0122886	0.0459235	0	0.0126483	0.0339204	0.0396039	0	0	0	0	0.00958394	0.00776352	0.0213327
LINC00606	0	0	0	0.0152931	0	0	0	0	0	0.0186258	0	0.0159277	0	0.0116341	0
LINC00607	0.0501746	0.0120875	0.0259425	0.0129266	0	0.0213615	0.0143219	0.00557388	0	0.00787179	0.0141602	0.026926	0.0080931	0.0131117	0.00900714
LINC00608	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00609	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00612	0.544542	0.36328	0.285884	0.0755417	0.585597	0.32992	0.31087	0.279198	0.038261	0.0525736	0.0118215	0.0749297	0.0945905	0.0547311	0.105273
LINC00613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00616	0	0	0	0	0	0	0	0	0.0699048	0	0	0	0	0.0299989	0
LINC00618	0.192325	0.154441	0.10607	0	0	0.0545873	0.21959	0.170922	0	0.0804623	0	0	0	0.0335057	0.552405
LINC00619	0.020645	0	0	0	0	0.0351579	0	0.0183476	0	0.0259116	0.0466113	0.0443162	0	0	0.0889465
LINC00620	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00621	0	0.0286404	0.0983505	0.0816767	0	0.0337432	0	0.0176093	0	0	0	0.0141776	0.0639203	0	0
LINC00622	0.174665	0.182338	0.325113	0.059999	0.113048	0	0.182807	0.595038	0	0.219222	0.312193	0.104148	0.140866	0.182575	0.668908
LINC00623	0.116051	0.1293	0.118802	0.0759857	0.0743209	0.121289	0.087634	0.174714	0.00655513	0.0417512	0.115838	0.0111901	0.187684	0.0550825	0.107536
LINC00624	0	0.0495879	0.170284	0	0	0	0.0156679	0.0243909	0	0.00861159	0	0	0	0	0
LINC00626	0	0.0233522	0	0	0	0.0412691	0	0	0	0	0.0547133	0	0	0	0
LINC00628	0.0179403	0.00864393	0.0148415	0.0554642	0.0278676	0	0.0204837	0.0318878	0	0.022517	0.0607573	0.0128368	0.011575	0.0468821	0
LINC00629	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0544437	0
LINC00630	0.761416	0.382187	0.41787	0.24896	0.193555	0.410571	0.356438	0.473439	0.126993	0.140198	0.253199	0.226313	0.107153	0.295663	0.409418

LINC00632	0.260885	0.113534	0.187975	0.0260177	0.117652	0.100321	0.15374	0.26177	0.0204986	0.0633751	0.228005	0.0782811	0	0.13635	0.120859
LINC00634	0.0153672	0.0148083	0	0.0158364	0	0.02617	0.0175458	0	0.0561467	0	0.0173477	0.0109957	0.0793189	0.00803159	0
LINC00635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00636	0.194926	0.0256141	0.117278	0.0730462	0.0550523	0.0452665	0.121397	0	0	0.155688	0.0600129	0.0380386	0.388729	0.0648308	0.152694
LINC00637	0.0112563	0.0596583	0.121057	0	0.06994	0.00958463	0.115669	0.0600222	0	0	0	0	0	0	0
LINC00638	0.0827194	0.283417	0.266122	0.227319	0.699566	0.320868	0.146917	0.0490094	0.0111937	0.0576785	0.0415022	0.0591879	0.01779	0.163324	0.0659975
LINC00639	0.182737	0.256367	0.262329	0.0221547	0.776422	0.388995	0.17796	0.0812005	0.0130913	0.0337284	0.0546053	0	0.0173383	0.039326	0.50171
LINC00640	0.995769	1.52205	0.880582	0.530777	0.960066	0.555511	0.431252	0.732378	0.710914	0.34477	1.70553	0.368534	0.0664619	0.179459	0.0986242
LINC00641	4.24391	3.31691	3.77215	2.23681	0.79887	1.23098	2.85277	3.85801	0.660871	1.67217	0.813712	1.9993	1.50755	3.01806	2.35533
LINC00642	0	0	0	0	0.050704	0	0	0	0	0	0	0	0	0	0
LINC00643	0	0	0.00599543	0	0	0	0	0.00315042	0	0	0	0	0	0	0
LINC00644	0	0	0.065121	0	0	0	0	0	0	0	0	0	0	0	0
LINC00645	0.0130937	0.0157718	0	0	0	0.00557454	0	0.0232731	0	0	0	0	0	0	0
LINC00648	0.0561335	0.13523	0.0331697	0	0	0.0136563	0.100715	0.0142534	0.00976633	0	0	0	0	0	0
LINC00649	1.82032	2.36336	1.8879	1.32859	4.00674	0.768757	2.60512	1.64033	0.945905	1.17897	0.752382	1.83936	0.50597	1.92552	1.32694
LINC00652	0.0593829	0.0528565	0.0133937	0.0322323	0	0	0.0218973	0.0272424	0.0341909	0	0.0436071	0.0405805	0	0.0423903	9.92E-34
LINC00654	0.31244	0.102541	0.141577	0.222334	0.384504	0.585061	0.235136	0.240303	0.0184945	0.125652	0.26964	0.100638	0.306418	0.272386	0.528284
LINC00656	0.0121104	0	0.0400744	0.0249603	0.0564351	0	0.0138273	0.0215255	0	0.106399	0.0273424	0.0346614	0.0156272	0.0443061	0.0173921
LINC00658	0	0	0	0	0	0	0.016122	0	0	0	0	0	0	0	0
LINC00659	0.0327805	0	0	0.0337813	0	0.0558244	0.0374277	0	1.11784	0	0.111015	0.375286	0.0422997	0	0
LINC00661	0	0	0.00572877	0	0	0.00589647	0.00790664	0	0	0	0	0	0	0	0
LINC00662	0.803789	0.870147	0.864831	0.409762	0.333025	0.910097	0.871531	0.962697	0.432936	0.644112	1.07263	0.6562	0.458655	0.859144	0.340304
LINC00663	0.753319	0.805486	1.10321	0.426736	0.881871	0.868155	0.575819	0.579484	0.0925245	0.251968	0.286802	0.191071	0.100828	0.28008	0.584594
LINC00664	0.0307753	0.0385529	0.0356433	0.00634297	0.114731	0.136265	0.0421659	0.049231	0.0374809	0.0154505	0.0069483	0.07487	0.00794244	0.0868565	0.0795551
LINC00665	1.13346	1.19533	1.19829	0.729517	3.14661	0.880974	1.24348	0.842062	0.451372	0.642711	1.25403	0.997465	0.569164	0.893354	0.25025
LINC00667	4.97544	4.57859	5.07403	2.26082	2.19654	4.13246	3.95994	3.80633	1.82849	1.97931	3.38313	1.48648	3.41287	1.74271	2.36507

LINC00668	0.013217	0.165573	0.0328022	0	0	0.112541	0.0150908	0.0587311	0	0	0	0	0	0	0
LINC00670	0.150551	0.0282092	0.0415155	0.00861929	0	0.135314	0.0763975	0.0520323	0	0.0314929	0.0377674	0.0119693	0.00539638	0.135512	0.120117
LINC00671	0.0376514	0.036282	0.0415305	0.0258672	0.0779808	0.0534328	0.100308	0.0111538	0	0.0157521	0.0141679	0.0359208	0	0.0196783	0.0720962
LINC00672	0.457596	0.570823	0.591169	0.129196	0.204478	0.112087	0.39364	0.512519	0.0381712	0.141615	0.0778391	0.107646	0.044488	0.190017	0.315079
LINC00673	2.69003	3.35287	3.26875	4.57178	4.46624	4.9866	4.7229	2.11633	2.85723	5.28025	3.92283	4.99814	4.80273	5.25493	3.03991
LINC00674	4.79692	3.41732	3.88624	2.16358	2.5694	3.88461	3.30979	3.6806	1.34469	2.05272	2.37378	1.67326	1.99971	2.3158	3.80972
LINC00676	0.0454677	0.021907	0.0376141	0	0	0	0.103827	0	0	0	0	0	0	0	0
LINC00677	0	0	0	0	0.14855	0.0814298	0.32757	0	0	0.0600143	0	0	0	0.0499817	0.274681
LINC00678	0.24555	0.359325	0.318429	0.0247917	0.496818	0.18436	0.22521	0.14966	0.175794	0.0301943	0	0.485011	0.0155216	0.0632949	0.0358843
LINC00680	1.31034	1.25932	0.842216	3.06137	1.91548	1.33694	1.41984	0.996145	0.341316	0.764499	1.257	0.689344	1.04794	1.05902	1.37031
LINC00680-GUSBP4	1.08304	0.693264	0.990689	0.0986885	0.911301	0.680732	0.898689	0.702843	1.75E-07	0.223778	0.239448	0.115774	0.00019029	0.303437	0.0166889
LINC00681	0.136941	0.307908	0.264337	0	0	0.155471	0.208473	0.162269	0	0	0	0	0	0	0
LINC00682	0	0	0	0	0	0	0.0185562	0	0	0	0	0	0	0	0
LINC00683	0.0625206	0.0200823	0.00862024	0.0214764	0.0647441	0.0460413	0.0118973	0.0320362	0	5.64E-21	0.011763	0	0	0.00942006	0
LINC00685	0.172709	0.574177	0.642948	0.177982	0.670693	0.264708	0.354949	0.337677	0.168272	0.130061	0.0779869	0.358377	0.0668587	0.306902	0.173623
LINC00687	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00689	0.0173011	0.00277864	0.0286253	0.0118862	0.00895817	0.0196422	0	0	0	0	0	0.00825291	0	0	0
LINC00690	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00691	0.289159	0.36323	0.281929	0.0851391	0.144374	0.0263802	0.377317	0.293692	0.0125773	0.0518463	0	0.184733	0.019989	0.0701662	0.0296621
LINC00692	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00693	0.0139922	0.0539331	0.0578766	0	0.0217347	0.0476566	0.0319516	0.0124351	0	0	0	0.0100118	0	0.0219388	0.0200945
LINC00696	0.114987	0.520783	0.887837	0.782083	0.523936	0.359003	0.533906	0.865216	0.168049	0.500311	0.112499	1.23414	0.153324	1.02566	0.286236
LINC00698	0	0	0	0.012997	0	0.0214779	0.0144	0	0	0.0316588	0	0	0	0.0131832	0
LINC00700	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00576804	0
LINC00701	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00702	0.491534	0.0789428	0.0677719	0	0.0636268	0.0697558	0.420913	0.25482	0	0.0514105	0	0	0.13214	0.0642243	0.882381

LINC00703	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00705	0	0	0	0.0707703	0.035558	0	0	0	0	0.0287309	0.0516827	0.0163793	0	0.0598198	0
LINC00706	0.0329204	0.0158616	0	0.0339254	0	0	0	0	0	0	0	0.0235554	0	0	0
LINC00707	0.0226154	0.00726428	0.018709	0.504959	0.0819687	0.0770267	0.00860716	0.0334977	0.027543	3.95492	0.0255299	1.1597	8.51646	1.02832	1.12592
LINC00708	0	0.0243731	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00709	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00710	0.124873	0.0701931	0.137738	0.0214475	0.226299	0.0531637	0.118813	0.147968	0	0	0	0.0297832	0.0134279	0.0652639	0.0298888
LINC00824	0.07817	0.131326	0.132576	0.0250656	0.135809	0.028503	0.0608561	0.028374	0.0402931	0.0706316	0.0141037	0.108772	0	0.0776235	0.0851803
LINC00836	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00837	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00838	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00839	0.461657	0.120888	0.124537	0.248218	0.452093	0.333276	0.160423	0.187303	0.0733364	0.289713	0.498494	0.107716	0.148929	0.456338	0.576519
LINC00840	0.316546	0.0621365	0.0872898	0.0241637	0.109268	0.379346	0.107088	0.114612	0.0285569	0.0882885	0.0794092	0	0.0907707	0.140931	0.117859
LINC00841	0.219206	0.0121865	0.0278988	0.0260651	0.0523849	0.215366	0.0192524	0.0524493	0.010268	0.042327	0	0	0.043517	0.0088128	0.254267
LINC00842	0.474606	1.57357	2.08292	0.373038	1.337	0.40412	1.71751	1.3869	0.450657	1.41347	0.817277	0.644651	0.840788	0.428831	0.0346573
LINC00844	0.140474	0.0169206	0.11621	0	0	0.0598058	0	0.0624207	0	0	0.0792887	0	0	0	0
LINC00845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00847	1.24917	1.36999	1.33524	1.34423	1.49144	2.27178	1.32288	1.55523	0.514474	1.12796	2.45156	0.501283	0.547098	0.539129	0.709984
LINC00850	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00851	0	0	0	0	0	0	0.0363967	0	0	0	0	0	0	0	0
LINC00852	2.71861	2.77927	2.40761	1.63427	3.97931	2.28518	2.78566	3.74801	0.36081	0.853034	0.550841	1.28436	0.70836	1.5757	2.00219
LINC00853	0.0350122	0.084347	0.0579291	0.180405	0.217544	0.149062	0.0399758	0.03111159	0.127923	0.0439439	0.118573	0.125261	0	0.146391	0.100564
LINC00856	0.024664	0.0118835	0.0136025	0.0423616	0.0510823	0.0910046	0.0844817	0.0292257	0	0.0206372	0	0.0235303	0.0159131	0.025781	0.165296
LINC00857	0.0535471	0.0103199	0.0620171	0.0110364	0.0166354	0.164141	0.0489107	0.00951764	0.0521715	0.134414	0.217613	0.0153257	0.0898256	0.0727637	0.107661
LINC00858	0.00861939	0	0	0	0.0133889	0	0.00984134	0	0	0	0	0	0	0	0
LINC00861	0.080623	0.0347564	0.0491452	0.0349829	0.059322	0.028905	0.0145346	0.0980488	0.00516788	0	0.0143705	0.0273259	0.0109511	0.0288307	0.219382

LINC00896	0.230801	0.278009	0.329797	0.183791	0.423698	0.27692	0.467151	0.40091	1.35434	0.0526689	0.153959	0.367821	0	0.142559	0.090398
LINC00898	0.03871	0.218484	0.24704	0.0284941	0.03436	0.122427	0.151535	0.147438	0	0.00694072	0.0249707	0.027698	0.0214076	0.00289022	0
LINC00899	0.373739	0.907291	1.02268	0.592536	1.42903	1.52997	0.492372	0.472672	0.0700264	0.451039	0.210952	0.349703	0.0834696	0.308024	0.247724
LINC00900	0.237312	1.07381	0.725534	1.16962	0.929581	1.10698	0.683277	0.531842	0.753963	0.323751	0.780391	0.302692	0.512593	0.269629	0.148178
LINC00901	0.063755	0.0230386	0	0	0	0	0.0181983	0.0566601	0	0	0	0	0	0	0
LINC00903	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00905	0	0	0	0	0	0.0217146	0	0.022664	0	0.0160038	0	0.0182474	0	0	0
LINC00906	0.0470387	0.0809428	0.0632241	1.39E-27	0.0303633	0.034331	0.0690522	0.115834	0.0409199	0	0	0	0	0	0
LINC00907	0.0316039	0.0152272	0.01494	0.00930534	0	0.00384432	0.00515489	0.0160496	0	0	0	0.0129219	0.00873885	0.00235965	0.0259355
LINC00908	0.113497	0.104398	0.136571	0.0637974	0.1763	0.114212	0.141368	0.146715	0	0.0518001	0.104829	0.0221482	0.119827	0.0215703	0.0740891
LINC00909	0.945974	1.01107	1.01404	0.899337	0.827845	1.06642	0.555254	0.793339	0.503025	0.777594	1.3687	0.533869	0.704897	0.522261	0.832344
LINC00910	0.26831	0.35234	0.330771	0.140961	0.196131	0.367332	0.354402	0.280531	0.115331	0.112252	0.255377	0.101638	0.0712815	0.093487	0.0906652
LINC00911	0.0391591	0	0.0323952	0	0	0	0	0	0	0.0982975	0.132617	0	0	0	0
LINC00917	0	0	0	0	0.0137315	0	0	0	0	0	0	0	0	0	0
LINC00919	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00920	0.558275	0.427932	0.293901	0.392263	0.19709	0.713046	0.376658	0.360835	0.0618106	0.541445	1.00263	0.236045	0.130981	0.225466	0.32799
LINC00921	1.25098	1.83561	1.93582	0.625051	2.35539	1.20659	1.42832	1.09492	0.242383	0.380631	1.00565	0.691673	0.256812	0.718612	1.42908
LINC00922	0.0262989	0.00633561	0	0.0542036	0	0.123163	0	0	0	0.115527	0.0445323	0	0.0254519	0	0.0755372
LINC00923	0.926258	0.918801	1.18897	0.537767	1.54186	0.22874	1.10925	0.852143	0.212746	0.368372	0.077173	0.457186	0.0492148	0.820483	0.810642
LINC00924	0.37124	0.0625018	0.0427993	0.0444292	0.0535755	0.359759	0.088605	0.130272	0.0105014	0.216445	0.37962	0.0185333	0.0500693	0.193918	0.445793
LINC00926	0.561099	0.474214	0.350038	0.199063	0.614393	0.242801	0.315071	0.384212	0.100823	0.0577244	0.186908	0.230358	0.0415431	0.490361	0.70013
LINC00927	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00928	0.0193828	0	0	0	0	0	0	0	0	0	0	0.0208034	0	0.0202606	0
LINC00929	0.0155845	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC00930	0.0262691	0.0316421	0.0869265	0.027071	0.0408049	0.0447355	0.0299932	0.0350186	0.0159964	0	0	0	0	0.020594	0

LINC01053	0	0	0	0	0	0	0	0	0	0	0.0147021	0	0	0	0
LINC01054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01055	0	0.0157942	0.0542367	0	0	0	0	0	0	0	0	0	0	0	0
LINC01056	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01058	0.389322	0.187581	0.214717	0.178315	0.201584	0	0.296344	0.153777	0	0.108587	0.146499	0.0309523	0.0558197	0	0
LINC01060	0.0479152	0.0692589	0	0.049378	0	0.122398	0.109416	0.0425831	0.0583554	0.661524	0.757264	0.0685692	0	0.601022	0.89456
LINC01061	0.645334	1.73817	1.91787	1.18627	1.6027	2.3369	0.857493	1.07377	0.423183	0.361236	0.386094	0.854608	0.433504	0.416876	0.866367
LINC01063	0	0.0326043	0.167944	0.0697356	0.210229	0	0	0	0	0.0849325	0.534735	0.0484195	0	0	0
LINC01065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01068	0.0363884	0.262988	0.39134	0.224996	0	0.0619686	0.0415471	0.032339	0.0886341	0.274027	0	0.104148	0.0704329	0	0
LINC01069	0.0177002	0	0	0	0	0	0	0.0157305	0	0	0	0	0	0	0
LINC01070	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01074	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01075	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01080	0.0372075	0.0537814	0.0615613	0.0383434	0	0	0	0	0	0	0	0.0266229	0	0	0
LINC01081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01085	0.0116648	0.0168609	0	0	0	0.0198649	0	0	0	0.0146406	0.0658408	0	0.0075261	0.0243862	0.0502566
LINC01087	0	0.00634282	0.0326716	0.00678316	0	0	0.0225461	0.0233989	0	0.00826135	0.0074305	0	0	0	0.00945289
LINC01088	1.23613	0.0441174	0.132561	0.11795	0	0.194916	0.365911	0.366189	0.027879	0.114923	0.155048	0.0655172	0.0147693	0.0239279	0.164374
LINC01089	3.34906	3.78443	3.35451	1.96554	5.57551	2.3018	3.32658	3.16322	0.914524	1.24406	1.23762	1.54741	0.271311	1.86811	2.82542
LINC01090	0	0.0674436	0.0771999	0	0	0	0.0532742	0	0	0	0	0	0	0	0
LINC01091	0.459482	0.348357	0.570174	0.0765972	0.0524805	0.0747965	0.578627	0.39634	0.0329175	0.0932893	0.00762792	0.21757	0.0523157	0.226019	0.126153
LINC01093	0	0	0	0.0623926	0	0.0128882	0	0	0	0.113984	0.0341735	0.0216605	0.156251	0	0

LINC01094	0.286183	0.642608	0.410964	1.12403	0.595518	0.409201	0.51171	0.527867	2.92641	1.4842	2.45041	1.14363	1.56077	1.01596	0.821991
LINC01095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01096	0	0	0.0218932	0	0	0	0	0	0	0	0	0	0	0	0
LINC01097	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01098	0	0.021568	0	0	0	0	0	0.0198913	0	0	0	0	0	0.0116978	0
LINC01099	0	0	0	0	0	0	0.0149204	0.0232271	0	0	0.0442557	0	0	0.0136596	0
LINC01100	0	0	0.0309799	0	0	0	0	0	0	0	0	0	0	0	0
LINC01101	0	0	0	0	0	0.029339	0	0	0	0	0	0	0	0	0
LINC01102	0	0.0222273	0	0	0	0	0.0175575	0	0	0	0	0	0	0	0
LINC01103	0	0	0	0	0	0	0	0.0140971	0	0	0	0	0	0	0
LINC01104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01105	0	0.00093955 8	0	0.00200957	0	0	0.00222649	0	0	0	0	0	0	0.00101918	0
LINC01106	1.29963	1.57337	1.17054	1.64927	2.69903	1.83355	0.692089	1.49178	0.56987	0.491473	0.181643	0.914085	0.918842	1.56756	0.910387
LINC01107	0.076506	0.0460772	0.0474683	0.0197104	0.14855	0.0325719	0.141947	0.0509941	0	0	0.0107957	0.00684276	0.0123403	0.159941	0.219744
LINC01108	0.0625995	0.0512744	0.0310721	0.0387064	0.0486194	0.0266513	0.0786215	0.0445066	0.0152478	0.0785688	0.0282668	0.080625	0.0323111	0.17013	0.0719207
LINC01111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01114	0	0.0137267	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01115	0.045647	0.0879738	0	0.0627208	0.0709056	0	0.104237	0.0270449	0.018531	0.0381945	0.120236	0.348391	0	0	0.0655549
LINC01116	0.721853	0.189709	0.27144	0.428301	0.101935	1.24792	0.299705	0.311041	0.0799215	0.631455	1.65446	0.0782584	0.183472	0.445867	0.659701
LINC01117	0.423348	0.152982	0.291853	0	0.712407	0.0600793	0.362524	0.0627062	0.0429659	0.354231	0.318605	0	0	0.129069	0
LINC01118	0.1997	0.0320729	0.128494	0	0.0344671	0.226723	0.0506692	0.0788787	0	0.0835482	0.0751456	0.0158768	0	0.0579845	0.0955983
LINC01119	0.286897	0.138232	0.0791139	0.0394208	0.02971	0.179146	0.10919	0.118986	0.0232939	0.0960228	0.172731	0.0136855	0.0370209	0.089967	0.274681
LINC01120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01121	0.0421549	0.0101554	0	0	0	0.107683	0	0.0374638	0	0.0793631	0.0475877	0	0	0	0.0605398
LINC01122	0.0161613	0	0	0	0	0.00458706	0	0.00478762	0	0	0	0	0	0	0

LINC01123	0.489173	0.662172	0.599013	0.748622	0.857709	1.20879	0.544793	0.358264	0.407834	0.444501	0.38812	0.698783	0.627653	0.869807	0.588794
LINC01124	0.0108704	0.0785628	0.0449637	0.20164	0.0168855	0.212888	0.148937	0.0386428	0	0	0.0122713	0	0.0210406	0.00568134	0
LINC01126	0.984811	0.976108	1.00092	0.347957	0.895997	0.395318	1.23687	0.587646	0.239878	0.423785	0.1747	0.231531	0.199696	0.294117	0.464703
LINC01127	0	0.212714	0.15378	0.98176	0.0360935	0.316562	0.0530602	0.165202	0.0565977	0.174981	0.0524611	0.016626	0.674629	0.255027	0.433808
LINC01128	0.877295	0.903214	1.00155	0.91441	1.04347	1.53243	0.895777	0.79526	0.940233	1.51951	1.18987	1.04741	1.47963	1.42532	1.26711
LINC01132	0.0366091	0.0470369	0.050476	0.144619	0.0663443	0.280549	0.0557321	0.010845	0.0817406	0.0153161	0.0895421	0.021829	0.0787333	0.0542116	0.0613378
LINC01133	1.26087	2.77297	3.33113	1.78138	0.600206	0.57144	2.13621	1.55432	1.26315	1.17413	1.37745	0.582055	2.34867	0.658985	0.292059
LINC01134	0.0118561	0.0228497	0	0.0244361	0.239415	0.0807623	0.0270738	0	0.0288787	0.119045	0	0.0424167	0.0229484	0.099144	0
LINC01135	0.0824329	0.0397175	0.11934	0	0.0640234	0	0.117649	0	0	0.0775964	0.0465283	0.058983	0	0.0538538	0
LINC01136	0.0337732	0.296972	0.27241	0.0174021	0.0918074	0.0359467	0.106043	0.0900443	0.0411319	0.052986	0.123908	0.0422898	0.0108951	0.00882566	0
LINC01137	1.54071	1.36746	1.27458	2.40669	4.03074	2.92759	1.01844	1.41249	5.13543	1.48593	3.02083	2.04237	1.71606	1.60201	1.83999
LINC01138	1.46409	1.95391	1.6634	1.54503	0.83232	1.28826	1.04712	1.4056	0.249863	0.454236	0.933433	0.386908	0.289818	0.635572	1.31377
LINC01139	1.57209	0.888558	0.700295	0.529645	0.516578	1.01683	0.914743	1.12846	0.11046	0.22767	0.904414	0.0648967	0.0585177	0.395022	1.93209
LINC01140	0.443716	0.168149	0.193848	0.364783	0.123909	0.556115	0.244772	0.212677	0.0364312	0.412989	1.16502	0.0214039	0.804167	0.257962	0.472555
LINC01141	0	0	0	0.00630441	0	0.0312546	0	0	0	0.0153565	0.0276242	0	0	0.0063947	0.175714
LINC01142	0.0939138	0.0193925	0.0221978	0.0138258	0.0416802	0.125661	0.0306365	0	0	0.0673551	0.0908717	0	0	0.0631073	0.192674
LINC01143	0.0356047	0.0171549	0	0.0366917	0	0.0303169	0	0	0	0	0	0	0	0	0.102266
LINC01144	0.378951	0.306481	0.582204	0.167366	0.609664	0.495531	0.5872	0.372863	0.23076	0.0849325	0.152781	0.125891	0.0960524	0.0919546	0
LINC01145	0.402445	0.607598	0.479779	0.362848	0.628898	0.558758	0.477816	0.360603	0.148541	0.154162	0.180864	0.172926	0.149739	0.219851	0.434071
LINC01146	0	0	0.0230392	0	0	0.0237136	0	0	0	0	0	0	0	0	0
LINC01148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01149	0.00810899	0.00390703	0.00670833	0	0	0.00460313	0.00617239	0	0	0	0	0.00386813	0	0.00282541	0.00388184
LINC01150	0.134664	0.0648834	0.127319	0.0198251	0.149415	0.0491422	0.0878603	0.0170969	0	0.0965816	0.130302	0.0412954	0	0.060327	0.414418
LINC01151	0.0405307	0	0	0	0	0	0.0462767	0	0	0	0	0	0	0	0
LINC01152	3.71918	1.41487	2.27415	0.053325	0.542553	0.374513	2.24508	3.81689	0.00787748	0.0162364	0.0146035	0.00462814	0.00834644	0.0405665	0.111469
LINC01159	0.00582802	0.0393124	0.0578561	0.0240238	0	0.0148874	0.0133085	0.0466151	0	0	0	0	0	0	0

LINC01232	0.16558	0.0981898	0.105369	0.0918806	0.158279	0.271134	0.130884	0.0792368	0.0620487	0.079931	0.0718922	0.0911363	0.0657426	0.0732258	0.329254
LINC01233	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01234	0	0.0200732	0	0	0	0	0.011892	0.00925635	0	0	0	0	0	0	0
LINC01235	0.169	0.0478981	0.0908845	0.174159	0.0927939	0.727971	0.124856	0.185533	0.0121072	0.811018	1.67213	0.0426791	0.820991	0.644266	0.84233
LINC01237	0.0803578	0.193588	0.398866	0	0.0624117	0.136847	0.45875	0.214246	0	0	0	0.0574982	0	0.0209993	0.115404
LINC01238	0.25596	0.49844	0.59113	0.0879247	0.198797	0.32692	0.56014	0.587646	0	0.040157	0	0.0534177	0	0.033444	0.597335
LINC01239	0.13805	0.0855186	0.0897321	0.0203235	0	0.319058	0.0788104	0.0613436	0	0	0.022263	0.00705559	0	0.0257681	0
LINC01241	0	0	0	0	0	0	0	0	0	0	0	0.0401604	0	0	0
LINC01242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01247	0	0.00529849	0	0	0.00854102	0	0	0.00488658	0	0	0	0	0	0.00287374	0
LINC01248	0	0	0	0	0	0	0	0	0	0	0.037216	0	0	0	0
LINC01249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01250	0	0	0.0163358	0	0	0	0	0	0	0	0.0222915	0.00706462	0	0	0
LINC01251	0.0476194	0.0229438	0.0787883	0.0490732	0	0.0810947	0	0	0.289976	0	0	0.068146	0.337962	0.024888	0
LINC01252	0.134181	0.353611	0.404923	0.051974	0.117899	0.276547	0.230337	0.123799	0.00767792	0.0320034	0.0427006	0.0681534	0.0040675	0.0672076	0.253505
LINC01254	0	0.0526251	0.0401585	0	0	0.020667	0.11085	0.0539266	0.0295602	0.0152317	0.0273997	0.0260506	0.01566	0	0
LINC01255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01256	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01257	0	0.00450897	0.00774184	0	0.04361	0.0876531	0.010685	0.00831687	0.0455894	0.152693	0.0845148	0.147314	0.0664171	0.210315	0.0134397
LINC01258	0	0	0	0	0	0.00957067	0	0	0	0.0141073	0	0	0	0	0
LINC01259	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01260	0.0200026	0.0771006	0.082738	0	0.093213	0.0851599	0.13703	0.0355534	0.024361	0	0.0225805	0.0572497	0	0	0.229811
LINC01262	0	0	0	0	0	0	0	0	0	0.033083	0.0297558	0	0.0680263	0	0
LINC01264	0	0	0	0	0	0	0	0	0.0563713	0	0	0.0331189	0	0	0

LINC01265	0	0.0836301	0.0957278	0.059624	0	0.172428	0.03303	0.179967	0	0.0726173	0.0653141	0	0	0.136075	0
LINC01266	0.204327	0.104239	0.0894885	0.0247724	0	0.0562882	0.0960623	0.0801128	0	0.00754269	0.0135682	0	0	0.00314089	0
LINC01267	0	0.00976416	0.00838247	0.0208841	0	0	0	0	0	0	0	0.0145004	0	0	0
LINC01268	0.176729	0.129753	0.187975	0.147434	0.0392173	0.0429949	0.115305	0.134624	0.0409973	0.0528126	0.00950023	0.0421514	0.0325784	0.0483823	0.0483438
LINC01269	0.0768872	0.0740909	0	2.85244	0.179149	0.0327342	0.0438937	0.068331	0.56184	1.15802	0.390582	0.605163	4.83671	0.562585	0
LINC01270	1.28E-08	0.00889782	0.00840455	0.156678	0.050275	0.204126	0.0579975	2.35E-11	1.81E-17	0.160769	0.206436	0.0615216	0.0242348	0.0362285	0.031241
LINC01271	0.0822864	0.0455059	0	0.0957682	0.0769185	0.231245	7.49E-07	0.054847	0.0751617	0.0825156	1.69E-16	0.0628288	0.101554	0.0869642	0.189946
LINC01273	0	0	0.0814705	0	0.0509917	0	0.0374808	0	0	0.0412013	0	0	0	0.102941	0
LINC01276	0	0	0	0	0	0	0.0323823	0	0	0	0	0	0	0	0
LINC01277	0.048671	0.0351756	0.0402641	0.0250784	0.0378014	0.0621641	0.0138927	0.0432547	0	0	0.0137359	0	0	0.0190782	0
LINC01278	2.22174	2.43709	2.42612	1.7248	1.96714	1.94853	2.74809	2.73796	1.28075	0.994566	2.10677	1.69039	1.81093	1.60629	2.65891
LINC01279	9.09447	7.69086	11.7847	1.68182	2.34058	5.07117	11.8489	6.96581	0.245045	1.59938	2.50354	0.39991	1.63569	1.31098	10.4153
LINC01280	0.042937	0	0	0	0	0	0	0	0	0.0538904	0	0.0102409	0	0	0
LINC01281	0.013053	0.0188675	0.0107984	0.0134515	0	0	0	0.0116005	0	0	0	0	0	0.0272884	0
LINC01282	0	0	0	0	0	0	0	0	0	0	0.0296882	0.0188176	0	0	0
LINC01284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01285	0	0.0133381	0.0229014	0	0.0430014	0.0471436	0.0316076	0.0246024	0	0	0.0312507	0	0	0	0
LINC01287	0.0459188	0.0331865	0.0379872	0	0.0356638	0	0	0.0204044	0.0559239	0	0	0	0	0	0
LINC01288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01290	1.86262	3.18591	4.96937	0.479871	0.94032	0.475799	3.82802	2.68993	0.226846	0.116889	0.105133	1.09952	0.0600876	0.657103	0.534992
LINC01291	0.0936966	0	0	0.096557	0.145543	0.199453	0.0534899	0	0.114112	0.117599	0	0.167606	0.332489	0.171395	0
LINC01297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01298	0.0445916	0.451183	0.0737787	0.045953	0.554129	0.0379692	0.15274	0.0396293	0.108615	0.279835	0	0.382878	0	0.163139	0
LINC01299	0	0.00884974	0	0	0	0.00781984	0	0	0	0	0	0	0	0	0
LINC01300	0	0.0700419	0.192418	0	0	0	0.132784	0.0775161	0	0	0	0	0	0	0

LINC01343	0.14192	0.161179	0.10902	0.219379	0.283436	0.0776846	0.196762	0.0360361	0.172842	0.267186	0.434855	0.609284	0.392425	0.143049	0.189256
LINC01344	0.0810615	0	0.0670598	0	0	0	0.0925534	0	0	0	0	0	0	0	0
LINC01345	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01347	3.52372	3.82615	3.58989	3.19403	2.90526	3.39375	5.21951	3.40221	1.5796	2.0492	1.01228	3.59592	1.01879	2.27095	3.93497
LINC01349	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01351	0	0	0.0134544	0	0	0	0	0	0	0	0	0	0	0	0
LINC01352	0.240823	0.0232064	0.0398451	0.0248175	0	0.164046	0.0549927	0.107012	0	0	0.0815576	0	0.0155378	0.0125864	0.172926
LINC01353	0.10263	0.0494487	0.0212257	0.185085	0	0.131082	0	0	0.0624959	0.0966083	0.202749	0.0367172	0	0.0134097	0
LINC01354	0.0566438	0.046786	0.053554	0.00833902	0.0251393	0.0551217	0.0831524	0.0359574	0.00985512	0.0101563	0.00913483	0.0636903	0.0208836	0.0126877	0.0464844
LINC01355	1.21285	1.47363	1.47777	0.597768	0.266214	0.729644	0.82034	1.6344	0.168584	0.63703	0.468788	0.556542	0.0935628	1.23677	1.0697
LINC01356	0	0.0672464	0.125958	0.0392263	0.0394179	0.0864298	0.0579473	0.0233262	0	0.0477745	0	0	0.00818628	0.0331567	0.054665
LINC01358	0	0	0	0	0	0	0.0561019	0	0	0	0.0554684	0.0351581	0	0.0256806	0.211696
LINC01359	0.428972	0.372034	0.408107	0.0442068	0.0333171	0.109579	0.0489787	0.362173	0.026122	0	0	0.122776	0	0.0336299	0.123212
LINC01360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01361	0.0146013	0.0140703	0.0362377	0	0	0	0.0333426	0.0259528	0	0.0183261	0	0.0313428	0	0	0
LINC01362	0.0405544	0.0195397	0.0447326	0.0278617	0	0	0.0308691	0.0120138	0.0164636	0	0.0152603	0.00967259	0	0	0
LINC01363	0	0.00601439	0	0	0	0	0	0	0.0456078	0.0470015	0.0140915	0.0267953	0	0.00652404	0
LINC01364	0.31345	0.0880979	0.108045	0.134591	0.0811493	0.0667246	0.298239	0.185712	0.159061	0.098353	0	0.0373803	0.16853	0.0273038	0.112538
LINC01365	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01366	0.04129	0.0198942	0	0	0.0641376	0.017579	0.0235718	0	0	0.168425	0.0466113	0	0.00666003	0.016185	0.0741221
LINC01370	0.082851	0	0	0	0	0	0.0630644	0.0245437	0	0.0346622	0	0	0	0	0
LINC01372	0.566769	0.750964	0.507944	0.19469	0.660291	0.241298	0.797101	0.755545	0.115043	0.296397	0.266588	0.337948	0	0.444327	0.746122
LINC01374	0.0401093	0.0193253	0	0.0413338	0	0.0341525	0.0457955	0.0712916	0	0	0	0	0.0776349	0	0
LINC01375	0.074655	0.0479599	0.0102933	0.0128224	0	0	0.0568258	0.0221157	0	0.0468499	0.014046	0	0	0.00650299	0.035738

LINC01376	0.653088	0.383322	0.461694	0.440526	0.0922246	0.232549	0.244039	0.65428	0.0867695	0.0447105	0.0536185	0.101957	0.0536288	0.229623	0.0682121
LINC01377	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01378	0	0	0.0446284	0	0	0	0	0	0	0	0	0	0	0	0
LINC01381	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01386	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01387	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01389	0.618223	0.375574	0.333546	0.249299	0.0835056	0.068662	0.491038	0.501649	0.0982078	0.101209	0.151717	0.192328	0.0520271	0.196676	0.19301
LINC01391	0.00654128	0.00630338	0.00541141	0	0	0	0.00746862	0.00581335	0	0	0	0	0.0042204	0	0
LINC01392	0	0	0.0349372	0	0	0	0	0	0	0	0	0	0	0	0
LINC01393	0.0389942	0.018788	0	0	0	0.0166015	0.0222612	0	0	0	0	0	0	0	0
LINC01395	0.260567	0.148371	0.0587888	0.122055	0.257568	0.282379	0.027046	0.168414	0.403888	0	0	0.322037	0	0.0123803	0
LINC01396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01397	0.399707	0.327395	0.264533	0.370719	1.0555	1.56559	0.319461	0.106568	0.0486799	0.100335	0.315854	0.0858004	0.0773667	0.125343	1.09066
LINC01398	0.0204987	0	0	0	0.0318416	0	0	0.0364351	0	0	0	0	0	0.0214271	0.0588775
LINC01399	0.0357146	0.0344157	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01402	0.08295	0.0399666	0.0686221	0	0	0.141262	0.0947096	0	0	0	0	0.0593529	0	0	0
LINC01405	0	0	0	0	0	0	0.0736044	0	0	0.0809106	0	0	0	0	0
LINC01410	0.281546	0.271306	0.22626	0.447646	0.237412	0.0890435	0.413305	0.3503	0.0293906	0.141347	0.118051	0.132384	0.0311403	0.227028	0.300363
LINC01411	0	0.0103343	0	0.0221034	0	0.0182632	0	0	0	0.0538404	0	0.0153471	0.0138385	0	0
LINC01412	0.164135	0.0263609	0.0905228	0	0	0	0	0	0	0	0.123525	0.0391477	0	0.0571895	0.157146
LINC01413	0	0	0	0	0	0	0	0	0	0	0	0	0.0151438	0	0
LINC01415	0.120371	0.0887005	0.0761488	0.072968	0.0439947	0.19293	0.0889288	0.147878	0.0215585	0.0799823	0.187839	0.0151991	0.0456839	0.062911	0.162699
LINC01416	0.0100186	0.0289628	0	0	0	0	0.011439	0	0	0	0	0	0	0.00523618	0
LINC01419	0.60983	0.626962	0.64323	0.439913	1.11305	0.16876	0.905169	0.758753	0.0185676	0.34443	0.206527	0.490893	0.0393459	0.677288	0.240843
LINC01422	0.615507	0.316331	0.441298	0.0422865	0.191219	0	0.609064	0.328207	0	0	0	0.0293608	0	0.10723	0
LINC01423	0	0	0	0	0	0	0	0	0	0	0.210351	0	0.0240447	0	0.107041

LINC01424	0.254133	0.399988	0.224253	0.0698377	0.263171	0.100982	0.154752	0.165625	0.0206337	0.0212642	0.0191256	0.0484904	0	0.106257	0.389298
LINC01425	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01426	0.0664182	0.0675583	0.0976814	0.106471	0.0343901	0.163379	0.0505561	0.111495	0.00898777	0.138936	0.274919	0	0.0904668	0.146566	0.0953849
LINC01427	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01428	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01429	0.089509	0.0479187	0.0493654	0	0	0.00846842	0.102198	0.0353547	0	0.0124826	0	0.0284649	0	0.0363855	0.44277
LINC01430	0	0.0777954	0.0445246	0	0	0	0.122902	0	0	0	0	0	0	0	0
LINC01431	0.181942	0.192858	0.301031	0.112498	0.0565238	0.154921	0.207736	0.32339	0	0	0.246468	0.0520738	0.0469553	0.133127	0.679359
LINC01432	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01433	0	0.0326999	0	0.0349701	0	0	0.116235	0	0.247967	0.127772	0.0383074	0.169965	0.0656823	0.159619	0.146201
LINC01435	0	0	0	0	0	0	0	0	0	0	0.0362856	0	0	0	0
LINC01436	0.303914	0.183038	0.26399	0.250554	0.0708125	2.52309	0.329649	0.148551	0	0.0762887	0.154386	0.0217459	0.441188	0.428865	0.414636
LINC01440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01441	0.512446	0.468168	0.380992	0.303485	0.536159	0.101392	0.322207	0.318352	0.0399841	0.138568	0.100388	0.476133	0.0531847	0.312304	0.381475
LINC01443	0.111324	0.178792	0.0613968	0.012747	0.422705	0.252776	0.0564917	0.0659571	0.632708	0	0	0.0531036	0.0159613	0.0517181	0
LINC01444	0.090995	0.0438428	0	0	0.0942311	0	0	0.0269562	0.0369405	0	0	0.0434062	0	0	0
LINC01445	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01446	0	0.00640108	0	0	0	0	0	0	0	0	0	0.014259	0	0	0
LINC01447	0.251464	0.207585	0.208029	0.0950183	0.292219	0.128684	0.229691	0.163885	0.0102085	0.0631226	0.0283871	0.113955	0	0.170854	0.180567
LINC01448	0.378142	0.384189	0.280667	0.225415	0.311066	0.0337141	0.275127	0.141092	0.0723633	0.149326	0.223644	0.371308	0.0765732	0.302148	0.205819
LINC01449	0.209698	0.0551104	0.110395	0	0.0296122	0	0	0.0677681	0	0.0239266	0	0	0	0.0099634	0
LINC01450	0.0569325	0.00685773	0.0353239	0.0146676	0.0110545	0.0302983	0	0.0632461	0.00866717	0.026796	0.00803371	0.00509209	0	0.0371942	0.0408811
LINC01451	0.163267	0.498375	0.483985	0.231345	0.750262	0.446021	0.341756	0.489705	0.0662801	0.0426909	0.0691154	0.3602	0.0702259	0.202659	0.478713
LINC01455	0.0412532	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01456	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01460	0.00809198	0	0.00669425	0.025017	0	0	0.0277175	0.00719147	0.0197102	0	0	0.0463202	0	0.00845844	0.0116211

LINC01521	0.426333	0.296633	0.300442	0.244083	0.437589	1.13387	0.252401	0.210494	0.0582325	0.171758	0.362443	0.166478	0.101877	0.173865	0.46865
LINC01522	0.0250195	0	0	0.0257833	0.0388639	0.0639114	0	0.0222353	0	0.188412	0.0847317	0.0179021	0	0.0130763	0.503037
LINC01523	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01524	0.0105556	0.0610299	0.0960553	0.103339	0.0327928	0.40895	0.018078	0.0140713	0	0	0.00595795	0.00755278	0.0442675	0.0386176	0.16675
LINC01525	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01526	0.0416992	0.0401826	0.068993	0	0	0	0	0.0741175	0	0	0	0	0	0	0
LINC01529	0.0211256	0.0101786	0.0174766	0	0	0.0359763	0	0.0187746	0.0257286	0	0	0	0	0.00552057	0
LINC01530	1.09428	1.22276	1.14647	0.515846	2.01938	0.412272	1.07774	1.01503	0.150123	0.699602	0.337898	0.932042	0.201899	0.915338	0.996357
LINC01531	0.0209629	0	0	0.0144019	0.0108542	0	0.0159565	0.00621003	0	0	0	0.00499984	0.0180335	0	0
LINC01532	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01533	0	0.00878698	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01534	0.762669	0.975684	0.979035	0.243916	0.32681	0.403077	0.840763	0.60768	0.224204	0.0990236	0.207817	0.131723	0.0678717	0.508564	0.566529
LINC01535	0.178883	0.184255	0.258974	0.0691292	0.225768	0.0380792	0.114887	0.198721	0.0136162	0.0280646	0.100969	0.0159995	0.00721342	0.134968	0.240843
LINC01537	0.520175	0.205059	0.219075	0.13645	0.0734556	0.330178	0.302359	0.33621	0.0230369	0.308631	0.192179	0.128578	0.372227	0.207607	0.244485
LINC01538	0	0	0.00795412	0	0	0	0.0329339	0.0170898	0	0	0	0	0	0	0
LINC01539	0	0	0.008004	0	0	0	0	0.0085985	0	0	0	0	0	0	0
LINC01541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01543	0.0601118	0.10137	0.0994575	0	0	0	0.0686337	0.0534224	0.0366047	0	0	0	0	0.0314171	0
LINC01544	0.0503579	0.0277294	0.00595137	0	0.0558737	0.0367535	0.057497	0.0191802	0.00876147	0.00902919	0	0.00514749	0	0.0150396	0.0103315
LINC01545	0.0445059	0.128662	0.110455	0	0.069133	0	0.152446	0.118659	0.487828	0.0558594	0	0.0318451	0.0574299	0	0
LINC01546	0	0.0992642	0.0284059	0	0	0	0	0.0305158	0	0.0430963	0	0.0245689	0	0	0
LINC01547	0.667282	0.44908	0.543261	0.53484	0.542939	1.26263	0.362801	0.621263	0.154795	0.172815	0.286963	0.136417	0.464695	0.254644	0.547592
LINC01548	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01549	0.12911	0.0311037	0.106809	0.033263	0	0.13742	0	0	0.0393105	0	0.0364374	0.0692865	0	0.0337394	0
LINC01550	0.496433	1.20405	1.12416	0.38586	0.431311	0.297327	0.60524	0.70665	0.532868	0.17425	0.498671	0.421437	0.39087	0.178102	0.132921
LINC01551	13.4517	12.2652	12.4341	7.6634	21.1542	2.56154	10.3776	5.47402	2.99401	8.01935	0.414852	11.3399	2.9502	7.35016	8.53683

LINC01553	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01554	1.4875	0.813657	0.782855	0.473008	1.13287	1.37819	1.00676	1.4896	2.51552	0.269386	0.286346	0.67098	0.101312	0.191299	0.156121
LINC01555	0	0	0	0	0	0	0	0.00713163	0	0	0	0.0689021	0	0.00838805	0
LINC01556	0	0.00246152	0	0	0.0317432	0.0130503	0	0.00454031	0	0	0	0.00731103	0	0.00534021	0
LINC01558	0.126235	0.107149	0.10443	0.0814325	0.165283	0.119741	0.128116	0.0872566	0	0.0176085	0.0316674	0.0100384	0.0542974	0.157504	0.222278
LINC01559	0	0.00348241	0.00597925	0	0	0	0.00825234	0.00642337	0	0.399146	0	0.0827456	0.0559592	0.230428	0.0726591
LINC01560	0.569979	0.60475	0.533935	0.54342	0.758605	0.663895	0.55102	0.488997	0.38561	0.539709	0.900954	0.261088	0.418079	0.4925	0.441651
LINC01561	0.0425619	0.041014	0.0352102	0	0.0330567	0	0.0485958	0.0472819	0	0.0267098	0.0240236	0.0228407	0	0.0111224	0.152811
LINC01562	0.00978151	0.0282773	0	0.0100801	0	0	0.0111682	0.017386	0.0357383	0.0122768	0	0.0209968	0.012622	0.00511224	0.028095
LINC01563	0	0.0383624	0	0.0547009	0	0.0677959	0.0303027	0.0471734	0	0	0.0299606	0	0.0684944	0.0138711	0
LINC01564	0	0.0197008	0.0338261	0.0842742	0	0	0	0.0363385	0.0497979	0.153959	0	0	0	0.0427405	0
LINC01565	0.0429052	0.00826895	0.00709884	0	0	0.0146133	0.0685828	0.00762611	0	0.0107701	0	0	0	0	0
LINC01566	0	0.0198764	0.0170638	0	0	0	0	0.0427728	0.0251209	0	0	0.00983926	0	0	0
LINC01567	0	0.0076716	0	0.00820419	0	0	0	0	0	0	0.00898714	0	0	0	0
LINC01568	0	0	0	0	0.0270701	0	0.0198976	0.046463	0	0	0	0	0	0	0
LINC01569	0.21009	0.410226	0.539698	0.193714	0.137407	0.310701	0.189374	0.31446	0.0403999	0.0416344	0.099859	0.0712065	0.0356708	0.0577906	0.269956
LINC01570	0	0.113493	0.0243582	0	0	0	0	0	0	0	0	0	0	0	0
LINC01571	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01572	0.321431	0.290382	0.387786	0.248433	0.249647	0.285098	0.229375	0.309466	0.0652445	0.235334	0.347737	0.134162	0.0604875	0.27999	0.173106
LINC01574	0.0379394	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01578	10.7356	6.27392	7.47004	8.59055	5.24663	7.17551	4.49272	7.843	6.27425	8.73548	10.5658	3.55601	5.89934	4.78475	4.80171
LINC01579	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01580	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0106475	0
LINC01581	0	0.00351424	0	0	0	0	0.00832776	0.00648207	0	0	0	0	0	0	0.0209495
LINC01582	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01583	0	0.00868771	0	0.00929084	0	0	0	0	0	0.022631	0.0712424	0.0129018	0.0116336	0.131935	0

LINC01584	0	0	0.0224713	0	0	0	0	0	0	0	0	0	0	0	0
LINC01585	0.0902615	0.130468	0.104539	0.0372068	0.140207	0.169084	0.164892	0.192521	0	0	0.0407576	0.0258338	0	0.0660444	0
LINC01586	0	0.00535575	0.00919576	0	0	0	0.0126916	0.00987878	0	0	0	0	0	0.0522863	0.0319273
LINC01587	0.0879128	0.148252	0.127273	0.0905967	0.238978	0.130999	0.276034	0.136727	0	0.11034	0	0.07863	0.0425407	0.103381	0.0315635
LINC01588	0.183467	0.257251	0.258218	0.14487	0.244275	0.144047	0.261166	0.196931	0.258264	0.206968	0.131798	0.247207	0.133745	0.159398	0.143717
LINC01589	0.36287	0.543935	0.466965	0	0.0626292	0.171655	0.506383	0.537481	0.0982078	0	0.227575	0.144246	0.156081	0.210724	0.231612
LINC01590	0.713008	0.708547	0.479254	0.183694	0.276887	0.3668	0.474886	0.488448	0.0361818	0.130506	0.0838435	0.180687	0.00958394	0.279487	0.213327
LINC01591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01592	0.0586643	0	0.00808854	0	0	0	0.0334905	0.0173786	0	0.0122716	0.0220749	0.0139919	0	0.0306605	0.0561662
LINC01593	0	0	0	0	0	0.0507887	0	0	0	0	0	0	0	0	0
LINC01594	0.0378773	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01596	0	0.0377349	0.0323952	0	0	0.066687	0	0.0348014	0	0	0	0	0	0	0
LINC01597	0.0347911	0.00670516	0	0	0	0	0.00794467	0	0	0.00873329	0.0157099	0	0.0224471	0	0.0299787
LINC01599	0.118439	0.284381	0.15677	0.24411	0.367954	0.221869	0.0811381	0.126311	0.115397	0.35058	0.267407	0.203392	0.198683	0.259987	0.476263
LINC01600	0.247214	0.0503934	0.0471953	0.0489926	0.0590783	0.0161923	0.0759934	0.126752	0	0	0.0107336	0.0204102	0	0.059633	0.122895
LINC01601	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01602	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01603	0.0790945	0.0457307	0.0785191	0.097811	0.0245722	0.0673479	0.036123	0.028117	0	0	0.0178576	0.0905508	0	0.0248029	0
LINC01605	0.212614	0.27659	0.114328	0.766868	2.34487	1.32158	0.182067	0.36846	1.1005	3.29563	2.43615	1.76472	3.03848	2.59469	1.23663
LINC01606	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01607	0.0372674	0	0	0	0	0.126931	0	0.0331202	0	0	0.0420702	0	0	0.0194776	0.267603
LINC01608	0.0307753	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01609	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01611	0	0	0	0	0	0	0.0462767	0	0	0	0	0	0	0	0
LINC01612	0.0183821	0	0.0608278	0	0	0.0156521	0	0.0163365	0.0223873	0.0692142	0	0	0	0.00960728	0
LINC01613	0.0834585	0.0120635	0.0345214	0	0.012964	0	0	0.0370855	0	0	0	0	0	0.0130857	0.0239714

LINC01767	0.127393	0.02046	0.316165	0.0437607	0	0.108473	0.0484844	0	0	0	0	0.0303844	0	0.110969	0.487873
LINC01770	0.116297	0.579013	0.336731	0.359541	0.752704	0.577647	0.243437	0.32729	0.141636	0.194619	0.262569	0.37446	0.225102	0.202606	0.194853
LINC01771	0	0.0196661	0	0	0	0	0	0	0	0	0	0.0292054	0	0	0.117236
LINC01772	1.30592	1.45704	1.84182	0.452298	0.848358	0.666371	1.1836	1.32401	0.433122	0.375715	0.0694373	0.353014	0.284963	0.649613	1.18189
LINC01774	0	0.0187406	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01775	0	0.0302186	0.051885	0.129266	0.194846	0.160211	0.0716097	0	0	0.0787179	0	0.0448766	0.0809311	0.098338	0
LINC01776	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0160206	0
LINC01777	0	0.0161292	0	0	0	0.00950145	0	0	0	0	0	0	0	0	0
LINC01778	0.0226893	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01780	0	0.0570367	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01781	0.0655611	0	0	0	0	0.0558244	0	0	0	0	0	0	0	0	0
LINC01782	0.00796937	0.00383976	0.00659283	0.0164253	0	0.0610723	0.00909917	0.00708251	0	0	0	0	0	0.00833028	0
LINC01783	0.01704	0.0168489	0.0648049	0.00755324	1.85E-06	0.0826709	0.0203435	0.0637051	0.209507	0.0684522	0.0472113	0	0.150533	0.218962	0.214983
LINC01784	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01785	0	0	0.0344345	0	0	0	0	0.0369921	0	0	0	0	0	0	0
LINC01787	0.0116063	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01788	0	0	0	0	0	0	0	0	0	0	0.0751456	0	0	0	0.0318661
LINC01790	0	0	0	0	0	0	0	0.00721165	0	0	0	0.00580627	0	0	0
LINC01791	0	0	0.0280316	0	0	0	0	0	0	0	0	0.0242452	0	0.0177095	0
LINC01792	0.0225786	0.0326361	0.0186786	0.104705	0.140289	0.0576761	0.0128897	0.020066	0.30248	0.0708461	0.0254884	0.0565445	0.123825	0.0767036	0.11349
LINC01793	0	0.021907	0.00940352	0	0	0	0	0	0	0	0	0	0	0	0
LINC01795	0	0	0.0235493	0	0	0	0	0	0	0.0357281	0	0	0	0	0.327049
LINC01796	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01797	0.0269105	0.0129659	0	0	0	0	0	0	0	0	0	0.0192552	0	0	0
LINC01798	0	0.0291521	0	0	0	0.0257595	0.0345412	0.0268858	0	0.0379698	0	0	0.0195187	0.0158112	0
LINC01799	0	0	0	0	0	0	0.0420095	0	0	0	0	0	0	0	0

LINC01873	63.7123	60.7071	58.267	35.0869	61.4316	26.1223	54.3761	54.5591	16.4181	29.3924	15.5265	41.102	8.25488	48.6236	49.3843
LINC01874	0	0.063117	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01875	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01876	0.397031	1.07989	1.38797	0.488342	0.298416	0.185391	0.848141	1.16098	0.109186	0.176821	0.202412	0.329907	0.082633	0.227587	0.386255
LINC01877	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01878	0.0206082	0	0.0681944	0	0	0.0175476	0.0235298	0.0183149	0	0	0	0	0	0.0215415	0
LINC01879	0	0	0	0	0	0	0	0	0	0	0	0	0.0191679	0	0
LINC01880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01881	1.89046	1.43457	1.42493	1.32393	0.60802	1.30074	1.51169	1.92254	0.687012	1.12267	0.95019	1.07216	0.789367	0.706347	0.715781
LINC01882	0	0	0	0	0	0	0	0.0358321	0	0	0	0	0	0	0
LINC01883	0.0609028	0.0586878	0.100766	0	0.094603	0	0.0695368	0.216501	0	0	0	0	0	0	0.174928
LINC01884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01886	0	0.037906	0.0650841	0.297275	0.0203678	0.089319	0.0299422	0.011653	0.0638768	0.1152	0.0296041	0.2627	0.109979	0.0548241	0
LINC01887	0	0	0	0.0106329	0	0	0	0	0	0	0	0	0	0	0
LINC01891	0.0430168	0	0	0	0	0	0	0.0764595	0	0	0	0	0	0	0
LINC01892	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01893	0	0.0371071	0	0	0	0	0	0.0342223	0	0	0	0	0	0	0
LINC01894	0.0927577	0.022346	0.0383679	0.0159316	0.120071	0.0658183	0.105908	0.0412177	0	0.0194034	0.0872599	0.0221235	0	0	0.288626
LINC01895	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01898	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01899	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01902	0.00500823	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01903	0	0.00519361	0	0	0	0	0	0	0	0	0	0	0	0.00563371	0
LINC01904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01905	0	0	0	0	0	0	0.0459548	0	0	0	0	0	0	0	0
LINC01907	0	0.0299175	0.0366914	0.0274238	0.0413367	0.0151062	0	0.0157667	0	0	0.0100137	0	0	0.00927219	0

LINC01909	0.283964	0.369409	0.375864	0.234106	0.132328	0.0725374	0.194532	0.075709	0.0345836	0.463325	0.192336	0.0812735	0.109927	0.341347	0.448589
LINC01910	0.0526577	0.0295998	0.0290414	0	0.0272652	0	0.0300614	0.0155993	0	0.0550757	0	0.0251187	0.00566241	0.0321081	0
LINC01913	0.0127862	0	0	0.0131766	0.0397228	0.228633	0.0145989	0.0454533	0	0	0	0	0	0.0200479	0.0183626
LINC01914	0.257718	0.0124172	0.0213202	0	0.0400325	0.482775	0.0882761	0.114519	0	0	0.116372	0	0	0	0.296092
LINC01915	0.0697981	0.0960851	0.0494931	0	0	0.135845	0.0341542	0.0265846	0	0	0.0675372	0.00713463	0	0.00521136	0
LINC01917	0	0.0215056	0.0184625	0	0	0.0190029	0.0254812	0.0198338	0	0	0	0	0	0	0
LINC01918	0.052124	0	0	0	0	0	0	0	0.0634812	0	0	0.0372961	0	0	0
LINC01919	0	0	0	0	0	0	0	0.0362106	0	0	0	0	0	0.021295	0
LINC01920	0	0	0	0	0	0	0.0209051	0.0162719	0	0.0574504	0	0.0262017	0.0295328	0.0622003	0
LINC01921	0.471105	0.425598	0.292299	0	0.0914737	0.100285	0.268946	0.20934	0	0	0	0	0	0	0
LINC01922	0	0.00654767	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01923	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01924	0	0.0195283	0.0447065	0	0	0	0	0	0	0	0	0	0	0	0
LINC01925	0	0.0223013	0	0	0	0.039412	0	0.0822705	0	0.0580938	0	0.0331189	0.0298636	0.0483823	0.199418
LINC01926	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01927	0	0	0	0	9.89E-14	0.0170527	0	0.0118655	0	0.0309999	0	0	0	0.00348899	0
LINC01928	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01929	0.00754583	0.00363569	0	0.0155524	0	0.038551	0	0	0.0183799	0.776605	1.28626	0.0161977	0.0146056	0.035494	0.0650206
LINC01930	0.0267859	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01931	0.0126327	0.0182598	0	0.0260367	0	0.0430262	0.0144236	0.0336806	0	0	0.0713036	0.018078	0	0	0.199563
LINC01932	0.0807785	0	0	0.0416223	0	0	0	0	0	0.101385	0	0.144498	0.0781768	0.0422184	0
LINC01933	0.0574269	0	0.0475076	0	0	0	0	0	0	0	0	0	0	0	0
LINC01934	0.0393366	0.018953	0.0433894	0.027025	0	0	0	0.011653	0	0	0	0	0	0.00685301	0.0376616
LINC01935	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01936	0.0668874	0.0161137	0.055334	0.103394	1.19484	0.711922	0.114555	0.059444	0	0.0419753	0.0377538	0	0	0.0174791	0
LINC01939	0.0333473	0.0160673	0	0	0	0	0.0380749	0	0	0	0	0.0238609	0	0	0.047891

LINC01977	0.0647177	0.031182	0.0321234	0.0133387	0.0402116	0.0110213	0.0443355	0.0345094	0.0315276	0.0649819	0	0.157445	0.0167022	0.0135297	0
LINC01978	0.0150867	0.0218071	0.0124808	0	0.0468698	0	0	0.0134078	0	0	0	0.0539748	0	0	0
LINC01979	0.00878128	0.0105774	0.00726449	0	0.0136404	0.0224314	0.0250654	0.00390203	0.0053473	0.0055107	0	0.0157081	0.00283282	0.0114737	0
LINC01980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01983	0	0.0573299	0	0.06131	0	0	0	0.158619	0	0	0	0	0	0	0
LINC01985	0.16184	0.0194942	0.133885	0.0416951	0	0	0	0.0359574	0	0.101563	0.0913483	0	0	0	0
LINC01986	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC01987	0.020292	0	0	0	0	0.0172784	0	0	0	0	0	0.00725974	0	0.00530275	0
LINC01988	0.0267241	0.0257521	0.0442161	0.0550799	0.0415117	0.0227552	0.0305127	0	0	0	0	0.0382436	0	0	0
LINC01989	0	0.0103535	0	0	0	0	0	0	0	0	0	0	0.0415927	0.0336924	0
LINC01990	0.0155636	0.0374939	0.0128753	0	0	0	0.01777	0.0138316	0	0	0	0	0	0	0
LINC01991	0	0.00805394	0	0	0	0	0	0.0371391	0	0.0209801	0.0377402	0.00598031	0	0.00436821	0
LINC01992	0	0.00495806	0.00851292	0	0	0	0	0	0	0	0	0	0	0	0
LINC01993	0.0552683	0.0723185	0.0327816	0.0652345	0.036981	0.0201493	0.036125	0.0912754	0	0.00990011	0.0178734	0.0395746	0	0.0454024	0.0680946
LINC01994	0	0.0370454	0.0530054	0	0	0	0.0438937	0.0113885	0	0	0	0	0	0	0
LINC01995	0	0.0562219	0	0	0	0	0	0	0	0	0.0439086	0.027831	0	0	0
LINC01996	0.0728915	0	0	0	0.0566128	0	0	0	0	0	0	0	0	0	0
LINC01999	0.0359364	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02001	3.19795	2.16256	2.57595	2.6885	2.57091	3.51125	2.37015	1.69527	3.17729	1.72521	3.0084	0.883172	1.10405	1.58342	2.65891
LINC02003	0.247708	0.2046	0.136615	0.0121558	0.109936	0.0200877	0.552183	0.157245	0.0143658	0.0444142	0.0133158	0.151922	0	0.104804	0.321861
LINC02004	0	0.0758549	0.130242	0	0.122276	0	0.0898775	0	0.0958695	0	0	0	0.203153	0.0411414	0
LINC02005	0.0994972	0.0287636	0.0164622	0	0	0.101665	0	0.0353699	0	0	0.11232	0	0.0513561	0.0520016	0
LINC02006	0.0976088	0.0235147	0.0242247	0.100589	0	0.0498676	0.0222893	0.0954213	0.035663	0.26952	0.0440753	0.104763	0.037786	0.0969278	0

LINC02076	0.0615834	0.166162	0.152838	0.114234	0.172189	0.146825	0.0562512	0.142299	0.0300007	0.0772935	0.097328	0.14982	0	0.141619	0.31839
LINC02077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02078	0.0110415	0.00265999	0	0.0113786	0.00857566	0.032906	0.00630343	0.0049064	0	0	0	0	0	0	0
LINC02079	0	0.0379275	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02080	0.142534	0.198796	0.174102	0.0309233	0.104946	0.0319384	0.0770878	0.0533358	0.027409	0.0753242	0	0.0549942	0	0.0432433	0.0861883
LINC02081	0.00959894	0.0231246	0.00794092	0	0.0447314	0.00817337	0.0219195	0	0	0	0.032508	0.0137366	0	0.0200673	0.0137853
LINC02082	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0163013	0
LINC02085	0.0451352	0.103297	0.130686	0.0581414	0	0.019216	0.0257669	0.0802247	0.0137424	0.0283246	0.025476	0	0	0	0.0162049
LINC02087	0.0974444	0.0815793	0.0622476	0.0251048	0.0378412	0	0.111259	0.0649504	0.0296691	0	0	0.0175849	0	0.04615	0
LINC02088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02091	0.0877739	0.0563877	0	0.0603024	0.181791	0.124564	0.0668116	0.13001	0	0	0.0330286	0	0.0188771	0.0152915	0
LINC02092	0	0	0	0	0	0	0	0.00831351	0	0	0	0	0	0	0
LINC02093	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02097	0.0897452	0.070266	0.120646	0.0115606	0.052277	0	0.115277	0.149546	0.0409874	0.0281599	0	0	0	0	0
LINC02098	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02099	0.0334196	0.0523317	0.0660456	0.0129149	0.0259561	0.0177852	0.028618	0.0446717	0	0.0211028	0.00943163	0.00901872	0.0080858	0.0283831	0.00599934
LINC02101	0	0	0	0	0	0	0	0	0	0.0247208	0	0	0	0	0
LINC02102	0.0343981	0.0828677	0.0796783	0.0425379	0.0106864	0.0468633	0.0942592	0.0366842	0.0502716	0.0259039	0	0.0246128	0	0.0611251	0.0494
LINC02103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02104	0.0386361	0.0558465	0	0	0	0.197389	0	0.0343366	0	0.0969847	0.523385	0	0.0249278	0.0403859	0
LINC02105	0	0	0	0	0.0195164	0.0534908	0	0	0	0	0	0	0	0	0
LINC02106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02108	6.59987	6.95334	6.79376	3.81835	12.245	3.13602	7.55614	4.00206	2.10475	3.21222	2.02461	4.42383	0.816205	5.74113	3.69198

LINC02109	0	0.00542084	0	0	0.0174765	0.00957997	0.0256918	0.00999884	0.0411069	0	0	0.0161006	0	0.0058802	0.0161577
LINC02110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02111	0	0	0.00828095	0	0	0	0	0	0	0	0	0	0	0	0
LINC02112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02113	0.0224037	0.0863557	0.0387278	0.0230877	0.148471	0	0.0511597	0.0425635	0	0.028119	0.025291	0	0	0.0141287	0
LINC02114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02115	0	0.0258117	0.0886369	0	0	0	0.0611666	0	0	0	0	0	0.0691286	0	0
LINC02116	0	0	0	0	0	0	0.107197	0	0	0	0	0	0	0	0
LINC02118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02120	0.172881	0.510888	0.791375	0.0712637	0	0	0.223709	0.389228	0	0.85347	0.0130108	0.115454	0.0817976	0.216853	0.0496559
LINC02121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02124	0	0.0461726	0.0792777	0	0	0	0.164124	0	0	0	0	0	0	0	0
LINC02125	0.0105291	0	0	0	0.0163554	0	0.0841528	0.0467871	0	0	0	0	0	0.022012	0.0756059
LINC02126	0	0.0148676	0	0	0	0	0	0	0	0.0387292	0.0696683	0	0	0	0
LINC02127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02130	0	0.150685	0	0	0	0	0	0	0.0544124	0.0560751	0	0	0	0.0233505	0
LINC02133	0.0440988	0.00849899	0.0145927	0	0	0.0225297	0	0	0	0	0	0	0	0.0138288	0
LINC02134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02139	0.034628	0.00556143	0.0190978	0	0.0537893	0.00982843	0.013179	0.0205163	0	0	0	0	0	0	0
LINC02140	0.0952389	0.126191	0.147728	0	0.0554771	0	0.163111	0.148121	0	0	0	0.0170365	0	0.006222	0
LINC02141	0	0	0	0	0	0	0	0.00624776	0	0	0.00396805	0	0	0	0

LINC02181	0.0340089	0.013655	0	0.00584119	0	0	0.00647171	0.0100748	0	0	0	0.00811142	0	0	0.00814018
LINC02182	0.185888	0.0223909	0.0384449	0.0478907	0.144374	0.0395703	0.10612	0.0826009	0	0	0.0524611	0.033252	0	0	0
LINC02185	0.241703	0.0727851	0.249942	0.0311352	0.046931	0.0514517	0.0689921	0.134253	0	0.0379202	0.0341066	0	0.0194932	0.0157906	0.347116
LINC02186	0.0261503	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02188	0.246203	0.0677853	0.0872898	0.108737	0.218536	0.748708	0.281106	0.156289	0	0	0	0	0.0226927	0	0
LINC02189	0.0898759	0.0433036	0.0371759	0	0	0	0.102617	0.0798742	0	0	0	0	0	0	0
LINC02190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02192	0.0349329	0.0504936	0	0	0	0	0	0.0310455	0	0.0219222	0	0	0	0.0456437	0
LINC02197	0.0152207	0.0220007	0.0440707	0	0.0118215	0	0.0260677	0.0473441	0	0	0.00859113	0	0	0.00795499	0.0218588
LINC02198	0.00953566	0.0413498	0.0315543	0.0196536	0	0.00811949	0	0	0	0	0.0107646	0.00682302	0	0.00996751	0.136944
LINC02199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02201	0.0280182	0	0	0.0144368	0.021761	0	0	0	0	0	0.189774	0	0	0	0.120713
LINC02202	0.396091	0.246133	0.194107	0.0916331	0.326468	0.619469	0.258425	0.244254	0.0295344	0.223815	0.410637	0.0983273	0.0417234	0.143643	0.360587
LINC02203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0214913
LINC02204	0.0794054	0.0278245	0.029859	0.0223171	0.0336393	0.0184398	0.0247261	0.0449075	0	0.0271805	0.0244469	0.00516515	0	0.0528191	0.0518346
LINC02205	0	0	0	0	0	0	0	0	0	0	0	0	0.187428	0	0
LINC02206	0	0.0934414	0.106958	0	0.0502083	0.0550447	0.14762	0.114903	0	0	0	0	0	0.0168933	0.092839
LINC02207	0	0	0.0492174	0.18393	0	0.151974	0	0.0528731	0	0	0.268644	0	0.038385	0.031094	0.0854405
LINC02208	0.00724806	0.00349223	0.00599611	0	0	0.00617163	0.0165512	0.00644147	0	0	0	0	0	0	0
LINC02209	0	0	0.0269656	0	0.0126582	0	0	0	0	0	0	0	0	0	0
LINC02210	0.6448	1.04082	1.02321	0.595182	0.700348	0.58971	0.936835	0.690915	1.49152	1.10121	1.42608	0.994004	0.673535	0.81084	0.285571
LINC02210-CRHR1	0.0148917	0.00631663	0.00035863 4	0.0197972	0.00051517 6	6.39E-06	0.00011306 8	0.0821692	0	0	0	0	5.61E-45	0.00243896	0.0149989
LINC02211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02212	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0113573	0

LINC02241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02242	0.0361046	0	0	0	0	0	0.0412231	0	0	0	0	0	0	0	0
LINC02243	0.192859	0.127768	0.159546	0	0	0	0	0.107123	0.0880801	0.0605144	0.0272142	0.103497	0.124431	0.0251991	0.0346212
LINC02245	0.0229215	0.0184065	0.0316038	0	0.0118683	0	0.026171	0.0339512	0	0	0	0.010934	0	0	0.0109727
LINC02246	0.0721054	0.0654743	0.0780047	0.197198	0.0215393	0.0850109	0.0728282	0.0887279	0.138479	0.27846	0.22854	0.140889	0.187877	0.124652	0.139398
LINC02247	0.0622962	0.405206	0.360751	0.0641981	0.338686	0	0.426767	0.138409	0.569024	0	0.105487	0.0222873	0	0	0
LINC02249	0	0.044498	0.0404484	0	0	0.00462582	0.0186084	0.0337966	0.00661635	0	0	0	0	0.00283934	0.00780196
LINC02251	0	0	0	0.0106234	0	0	0	0.0274846	0	0.0129385	0	0	0	0.00538778	0
LINC02252	0	0.0228967	0	0	0	0.0404641	0	0.0844666	0	0	0	0	0	0	0
LINC02254	0.0402255	0.0193812	0.0110924	0	0	0.0570858	0.0459281	0.0238327	0	0	0.0605461	0	0.00865109	0	0.0192563
LINC02255	0	0	0.0174368	0.0108605	0.0163703	0.0269208	0	0.00936595	0	0.0132272	0	0.0527852	0	0.005508	0
LINC02256	6.48906	5.78317	5.08893	1.27559	4.31157	2.37941	5.76017	3.66684	0.79943	1.20048	2.07481	2.44232	1.10113	1.63692	2.66645
LINC02257	0.038253	0	0	0	0.0594201	0	0	0.0339961	0	0.528126	0.259097	0	0.123403	0.179934	0.219744
LINC02258	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02259	0.07347	0.159295	0.121559	0	0	0.0312794	0.0838857	0.163235	0	0.0922124	0	0.157709	0	0.0383986	0
LINC02260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02261	0.336866	0.359397	0.288514	0.256581	0.284158	0.141715	0.350595	0.287009	0.0303213	0.187831	0.0841479	0.261432	0.0268962	0.268839	0.443958
LINC02262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02264	0	0	0	0	0	0	0.045875	0	0	0	0	0	0	0	0
LINC02265	0	0.00850547	0	0	0.0274212	0.0300626	0	0	0	0.0221563	0.019928	0	0.0341688	0	0.0507038
LINC02266	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02268	0.087135	0.00839659	0.086501	0	0	0.0148389	0	0	0	0	0	0	0	0	0
LINC02269	0	0.022346	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02270	0	0	0	0	0	0	0	0.0321369	0	0	0	0	0	0	0

LINC02312	0.0531849	0.00366076	0	0	0	0	0.01735	0.0270093	0	0	0	0	0	0.0109115	
LINC02313	0.0500932	0.0241357	0.124322	0.0516225	0	0	0	0	0	0	0	0.035843	0	0	0
LINC02314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02315	0.708581	1.3171	1.16382	0.334142	1.14008	0.529215	1.5179	0.497782	0.082034	0.691022	0.284657	1.10429	0.143748	0.893799	1.08202
LINC02317	0	0	0	0	0	0	0.0205474	0	0	0	0	0	0	0.00940557	0
LINC02318	0	0.00566599	0	0	0	0	0	0.010451	0	0	0	0	0	0	0
LINC02322	0	0	0	0	0	0.0521323	0	0	0	0	0	0	0	0	0
LINC02323	0.043312	0.0695613	0.131379	0.461221	0.313966	0.528608	0.181325	0.0384921	0.193414	1.90264	1.01047	0.413212	6.23167	0.656466	0.331741
LINC02324	0	0.00773278	0.0265542	0	0	0	0	0	0	0	0	0	0	0	0
LINC02325	0.0294441	0.0070933	0.0121791	0	0.0228684	0	0.0168092	0.0130837	0	0	0	0.021068	0.0569915	0.0307775	0.0422854
LINC02328	0.219514	0.0151093	0.0778275	0.161583	0.0487116	0	0.0358049	0.0557388	0	0	0.106202	0	0.101164	0.0655586	0.31525
LINC02329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02332	0.0599561	0	0	0.185359	0	0	0	0	0	0	0	0	0	0	0
LINC02333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02337	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02338	0.0254901	0.0493808	0.0625899	0.0173263	0.0135903	0.00715801	0.0479913	0.0448259	0.0204763	0.010551	0	0.0300753	0	0.0136926	0.0362183
LINC02339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02341	0	0	0	0	0	0.0239151	0	0	0	0.0352511	0	0	0	0	0
LINC02343	0.0515244	0.0372379	0.0497287	0	0	0.0438724	0.0490241	0.0305271	0	0	0	0	0	0	0.0369978
LINC02344	0.248316	0.119642	0.16434	0.0511794	0.308576	0.0422876	0.226815	0.353092	0	0.0623324	0	0	0	0.363386	0.499258
LINC02345	0.0571433	0	0	0.0588879	0	0	0	0.0507842	0	0	0	0	0.0368686	0	0
LINC02346	0.0117657	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02347	0	0	0.00780496	0	0	0	0	0	0	0	0	0	0	0	0
LINC02348	0.0238588	0.0143694	0.0197377	0.0122936	0	0.0304732	0.0408618	0.00530093	0	0.00748632	0	0.0256074	0	0.0124697	0.0171321
LINC02349	0.0517163	0	0	0	0	0.154125	0	0.0229806	0	0	0	0	0	0	0

LINC02420	0	0	0.0258375	0.0321857	0.0485144	0	0	0	0	0	0	0	0	0.0163233	0
LINC02421	0.132879	0.188512	0.152676	0.0304301	0.0688022	0.0440006	0.0590009	0.0787277	0.00899063	0.0370614	0.00833353	0.0739498	0.0428663	0.0272033	0.0636102
LINC02422	0	0.0115911	0	0	0.0373692	0.0819376	0	0.0641402	0	0	0	0.0344272	0	0.0125734	0
LINC02423	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02425	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02426	0.0337362	0	0	0	0	0	0	0.0449729	0	0	0	0	0	0	0
LINC02427	0.148898	0.0819903	0.0351941	0	0	0.0543364	0.0728603	0.0378081	0	0	0.048025	0.0456603	0.0274481	0	0.0305481
LINC02428	0.0554989	0	0	0	0.172418	0	0	0	0.0675914	0	0.0626514	0.0794219	0	0	0
LINC02429	0	0	0.051123	0	0	0	0	0	0	0	0	0	0	0	0
LINC02431	0.0129653	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02432	0.0451572	0.0326361	0.0373572	0.0232679	0.0350723	0.135186	0.0257795	0.0802639	0	0.0283384	0.127442	0.0161556	0.0291352	0.0118006	0.0324257
LINC02433	0.0831288	0.0240316	0	0	0	0.0141566	0.0189827	0.0147756	0	0	0	0	0	0	0
LINC02436	0	0.00510095	0.0262748	0	0	0	0.0241757	0	0	0	0	0	0	0	0
LINC02439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02441	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02443	0.229822	0.199317	0	0.0236838	0.142797	0	0.0524806	0.163397	0.0839691	0.144225	0	0	0	0	0
LINC02444	16.4841	15.803	15.8032	8.25351	3.62704	2.99067	11.8263	17.9029	2.32373	4.90481	2.35027	6.11537	0.577701	9.57005	8.89567
LINC02446	0.0638052	0.0219588	0.0452436	0.103326	0.0566351	0.0620906	0	0.105309	0	0.0228806	0.0205795	0.0195661	0	0.00952782	0.0654516
LINC02447	0.0648871	0.0781589	0.0894653	0.066868	0.050396	0.0368337	0.123477	0.0961104	0.0263417	0.0135733	0.0488329	0	0	0.0282607	0.108717
LINC02449	1.73735	1.33467	1.25238	0.543648	1.37897	0.961543	1.11984	1.29297	0.267351	0.172727	0.133798	0.388493	0.288349	0.347643	0.670082
LINC02450	0	0	0	0	0	0	0	0	0	0.02896	0.052095	0	0	0	0
LINC02451	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02453	0.0380434	0.0610996	0.104907	0	0	0.0107978	0.0289578	0.0563496	0	0	0.0143154	0	0	0.0265108	0.0910585
LINC02454	0	0	0	0.234202	0	0.0645041	0.0864942	0	0	0.19016	0.513106	0.0813067	0.122191	0.118778	0
LINC02458	0.018448	0	0.00763075	0.0190112	0	0.00785413	0.0105317	0	0	0.0115771	0	0	0.0238051	0	0

LINC02565	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02567	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02568	0.384436	0.166704	0.222623	0.0396173	0.0597162	0.392811	0.131681	0.18791	0.02341	0.0482507	0	0	0	0	0
LINC02569	0.0142976	0.0149257	0.00394266	0.00245568	0	0.00405807	0.0272076	0.00423551	0	0.00299083	0.00807011	0.00341011	0.00461237	0.00622713	0
LINC02570	0.0048457	0.0326862	0.0160348	0.0249682	0	0.0247563	0.016598	0.00430645	0.00590151	0.0608185	0.0437615	0.0173361	0.0125057	0.00506515	0
LINC02571	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02572	0.0320319	0.0385837	0.0529981	0	0.124392	0.0818242	0.0182865	0	0	0	0	0	0	0.0167413	0
LINC02573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02574	0	0	0	0.0540807	0	0.178739	0.0599183	0	0	0.065866	0	0	0	0	0
LINC02575	0.0164252	0.0474834	0.0135881	0.0169266	0.153084	0.0139858	0.0750149	0.0291946	0	0	0	0.0235053	0.0211949	0.0429225	0.212297
LINC02578	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINC02579	0.0653389	0.10074	0.140538	0	0.0608964	0.0222541	0.0298408	0.0348407	0.0318302	0	0.0147519	0.0654525	0	0	0
LINC02580	1.83571	1.01083	1.00338	0.371594	0.712873	0.725717	1.87139	1.10704	0.159692	0.0822859	0.555077	0.140732	0.148049	0.376916	0
LINC02582	0.0393589	0.0568912	0.0162802	0.0202803	0.030569	0	0.0224694	0.0699579	0.167772	0.0246998	0	0.0422436	0	0.102853	0.197835
LINC02583	0.0312322	0	0	0	0	0	0	0.0277566	0	0	0	0	0	0	0
LINC02584	0.0575698	0.097083	0	0	0.0447129	0.14706	0	0.0255816	0	0.036128	0	0.0411927	0.0185719	0.120354	0
LINC02585	0	0	0	0	0	0.19706	0	0	0.422785	0	0	0	0	0	0
LINC02586	0.0613874	0.0690139	0.16928	0.0421743	0.190712	0.156812	0.21027	0.0181853	0.049842	0	0	0	0	0.203197	0
LINC02587	0.11031	0.0265745	0.073005	0.10231	0.017135	0.0563565	0.100759	0.0686241	0	0.193831	0.311316	0.015786	0	0.0115306	0.0633677
LINC02588	0	0	0	0	0	0.0262513	0	0	0	0	0	0	0	0	0
LINC02589	0.502564	0.181607	0.249454	0	0.0780655	0.171171	0.114762	0.111659	0.0306033	0.0315384	0.0850997	0.0539396	0	0.118198	0.108262
LINC02592	0	0	0	0	0	0.00293527	0	1.18E-16	0	0	0	0	0	0	0
LINC02593	0.0614689	0.26655	0.279683	0.0158364	0.0477412	0.431805	0.0701832	0.0409713	0.224587	0.0964373	0.0867385	0.109957	0	0.096379	0.154485
LINC02595	0.925722	3.47901	3.01224	1.27198	4.3139	0.420395	1.97299	1.53572	1.9542	1.47171	1.95071	2.29625	0.796362	2.03206	0.531782
LINC02601	0	0.0267402	0	0	0.0431045	0	0.190101	0	0	0	0	0	0	0	0
LINC02603	3.24243	2.9096	3.0088	2.758	1.54563	1.18324	2.11549	3.21703	0.940218	1.42112	1.06517	1.7922	0.45382	3.29065	2.4145

LINC2194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINCMD1	0.0632324	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINCR-0001	0	0.12276	0.140518	0.0875214	0.197885	0.0723156	0.0969688	0.188694	0.0517168	0.106594	0.0958738	0.121537	0	0.0887748	0.0609841
LINCR-0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINCR-0003	0	0	0	0	0	0	0.0807456	0	0	0	0	0	0	0	0
LINGO1	0.589221	0.238568	0.274444	0.224515	0.746057	0.948621	0.446619	0.316831	0.180909	0.553097	1.67687	0.205488	0.281129	0.527919	1.65684
LINGO1-AS1	0.0269262	0.0518938	0.0222752	0.0138741	0	0	0.0307434	0.0478595	0	0	0	0	0	0.0140728	0
LINGO1-AS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINGO2	0.0153509	0.0118341	0.0165092	0.0142376	0.0143072	0.00261422	0.0157745	0.00682131	0.00747828	0	0.00173293	0.0010984	0	0	0.00440917
LINGO3	0.478072	0.355984	0.440438	0.291122	0.455693	0.268298	1.05448	0.579369	0.0132327	0.190919	0.33117	0.155488	0.140204	0.187396	0.390098
LINGO4	0.121486	0.150515	0.122038	0.0268274	0.0134792	0.184721	0.297233	0.115678	0.0845463	0	0.00979588	0.0124181	0	0.0362822	0.0124621
LINP1	0.0557664	0.0806073	0	0.25861	0.173249	0.189937	0.0318361	0.0495605	0.0339586	0.349963	0.47215	0.139658	1.61911	0.306032	0
LINS1	1.60872	2.16288	2.35833	2.77321	1.14839	1.61153	1.14799	2.36531	1.49824	2.23438	1.89616	2.12018	1.94613	2.17615	1.60533
LIPA	11.3271	5.45353	4.58591	11.5961	4.37619	19.1486	5.73323	7.66586	3.97606	11.471	24.2267	3.88345	7.46324	6.96804	11.3882
LIPC	0.158712	0.208554	0.393893	0.0594753	0.20171	0.171998	0.34595	0.0512908	0.0527163	0.108654	0.325756	0.0206477	0.148945	0.0980314	0.269372
LIPC-AS1	0.0312744	0.0200913	0.0431206	0	0.0809666	0	0.0357081	0.00926469	0	0.0130842	0	0.0149184	0.0269041	0	0.0299427
LIPE	1.40813	0.742793	0.507134	1.58872	2.06474	1.70548	1.22661	0.587954	1.81843	0.906526	0.582397	1.51133	0.982921	1.23398	0.566578
LIPE-AS1	0.27702	0.270759	0.235718	0.889058	0.676198	0.242618	0.334366	0.267295	0.713316	0.715245	0.223372	1.02506	0.372784	0.500535	0.193235
LIPF	0.0303317	0.0146143	0	0.0156288	0	0.0129135	0.0173158	0.0134781	0	0	0	0.0325547	0	0	0
LIPG	0.183234	0.235427	0.137804	6.10552	0.664128	4.17947	0.139474	0.399707	4.8013	17.0323	5.74166	8.27982	23.8895	10.8185	4.37783
LIPH	1.00093	0.878893	1.26915	0.144601	0.261554	0.430123	0.683563	1.08907	0.421531	0.246558	0.0739205	0.0937076	0.229348	0.0293344	0.0403028
LIPJ	0.0398331	0.0191922	0	0.0136831	0	0	0.0454802	0	0	0	0	0	0	0	0.0381369
LIPJ	0.0311901	0.0676254	0.0129013	0	0	0	0	0.0415787	0	0	0	0.033476	0.0201237	0.0163013	0
LIPK	0.771435	3.88415	5.29694	2.54396	0.868771	0.755397	1.84968	2.86233	3.89901	2.15431	3.37456	2.75991	0.43551	0.695495	0.249273
LIPM	2.504	4.74952	4.82837	2.0843	4.24389	0.61086	5.75744	3.59964	22.2524	1.15045	2.24964	3.7083	0.15927	0.297961	0.122583
LIPN	1.04405	2.85055	3.32688	2.0323	1.71186	0.839604	3.75278	3.14442	19.2378	2.86344	5.54378	5.65817	0.785883	1.35406	0.277664

LIPT1	1.14626	0.861567	0.824995	0.77963	0.284887	0.800343	0.549682	0.886272	0.418806	0.374056	1.04813	0.303467	0.443738	0.407379	0.46093
LIPT2	0.838347	0.333536	0.458674	0.405837	0.230372	0.599017	0.572405	0.643266	0.207646	0.316952	0.395819	0.22121	0.339258	0.179461	0.029991
LITAF	10.9467	10.5257	12.6087	23.6785	6.94163	27.1812	11.1529	10.7125	21.9816	18.7522	35.455	7.93444	24.5147	12.9843	17.504
LIVAR	0.400686	0.319542	0.388626	0.156624	0.0643865	0.117648	0.205082	0.392934	0.168272	0.24278	0.0779869	0.07909	0.213948	0.332177	0.198426
LIX1	0.00583389	0.0112434	0.0193048	0.006012	0	0.0397399	0.0199828	0.0259234	0	0.0512549	0.0197572	0.00834861	0	0.0304905	0.0167564
LIX1L	4.34258	2.39004	2.60983	3.66963	3.96609	8.49473	3.7939	2.75055	0.803893	3.7483	8.22198	1.30535	4.2009	3.34391	7.79462
LIX1L-AS1	0.113077	0.273707	0.218272	0.116529	0.180398	0.0962834	0.216638	0.200986	0.0918099	0.0951947	0.0854388	0.162556	0.121869	0.158032	0.162393
LKAAEAR1	0.0266625	0.0128464	0	0	0.0828322	0.0227028	0.0608848	0	0	0	0.0601973	0	0	0.0836099	0
LL22NC01-81G9.3	0	0	0	0	0	0	0	0	0	0	0.0263363	0	0	0	0
LL22NC03-63E9.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LLCFC1	0.0602684	0.0435573	0.0249291	0.0931624	0.0936176	0.0256589	0.0344062	0	0	0.0378215	0	0	0	0	0
LLGL1	2.78629	3.48138	3.9093	6.03867	7.01919	9.43313	4.44796	2.54174	3.18438	5.42567	5.16451	3.02568	7.21844	5.06561	4.19861
LLGL2	5.32462	7.45342	7.7671	8.49695	15.883	7.09917	8.04513	4.34412	14.2876	12.1542	4.81699	9.98684	13.0315	7.30103	1.9691
LLPH	4.33576	3.5367	3.0677	8.07398	1.68373	9.19722	2.32323	3.66736	5.51206	7.08869	13.5029	4.2045	11.9626	7.45413	4.91581
LLPH-DT	1.16409	1.39796	1.35217	0.957046	3.70553	0.885663	1.35725	0.561235	0.361934	0.522063	0.503222	1.04349	0.0239675	1.22629	0.906931
LMAN1	8.45961	6.42421	6.53104	14.3226	4.64052	15.1444	5.07817	7.88837	13.6439	16.8669	23.4342	11.791	17.2855	10.917	15.6418
LMAN1L	0.0933188	0.0064232	0.0110286	0.0274765	0.0828322	0.0227028	0.0456636	0.0236954	0.0487079	0	0	0.0286166	0	0.013935	0.0191454
LMAN2	15.5003	13.4758	13.4186	30.515	33.2412	40.606	17.6977	11.2718	18.4776	20.1996	37.1919	15.05	27.6385	18.7376	15.2394
LMAN2L	1.63171	2.1489	1.9573	3.03608	2.70358	3.32679	2.09073	1.20038	3.51079	1.96832	3.06999	1.63454	2.46815	1.74825	2.43447
LMBR1	3.5847	3.45489	4.13371	3.55962	1.98318	3.51358	3.36329	4.33002	4.05086	5.42198	6.2358	3.09147	6.1561	4.12883	3.64111
LMBR1L	2.4023	3.45968	3.52337	3.63638	6.79342	6.25646	2.44146	2.27573	5.02625	5.03627	4.34102	3.19856	3.66198	3.37572	3.69012
LMBRD1	6.35675	6.24928	7.71489	6.04083	1.22688	7.56801	5.61728	7.49297	7.50999	6.19874	8.91615	4.3782	6.15815	4.05838	5.01551
LMBRD2	2.46659	2.60768	2.7562	2.19561	1.51038	2.35595	1.99996	3.37393	3.5613	2.49461	3.35751	1.98489	2.42174	1.84217	1.7763
LMCD1	5.79491	1.90256	2.35759	3.84281	3.72123	10.4238	4.48346	2.76709	0.687019	3.32858	7.94772	1.35244	3.5545	4.20034	9.70052
LMCD1-AS1	0.301819	0.155808	0.214017	0.0555417	0.133951	0.165211	0.172304	0.277811	0	0.0405872	0	0.0154257	0.0208642	0.0394359	0.0619215
LMF1	1.33586	1.59098	1.99391	0.903296	2.59441	2.10862	2.391	1.32617	0.691037	0.7458	1.66519	0.971032	0.631285	0.718692	1.71956

LMF1-AS1	0.282041	0.641081	0.590178	0.222977	1.17229	0.516605	0.613332	0.598787	0.114498	0.196662	0.227097	0.496111	0.0202191	0.427609	0.495057
LMF2	6.92211	7.48534	7.96529	11.7818	15.5088	23.1406	9.02258	5.2884	3.38058	9.10162	17.587	7.36115	11.8816	10.6632	12.9931
LMLN	0.756986	1.09967	1.13471	0.893442	0.376878	1.07646	0.694396	0.925029	0.453082	0.771445	0.744985	0.898109	0.822353	0.777739	1.00815
LMLN-AS1	0	0.0708576	0	1.84E-43	5.91E-25	0.0792995	9.81E-45	0.084401	0	0	0	0	0	0	6.46E-39
LMLN2	0	0	0	0	0.0139845	0	0	0.0238235	0	0.0225511	0	0.00652443	0.00577135	0.00936287	0.0260612
LMNA	48.3389	56.5498	66.0267	82.5123	115.94	109.107	76.5217	35.8581	65.0813	87.1419	50.449	87.0748	150.22	83.3848	83.639
LMNB1	1.456	1.29733	1.485	7.38579	1.35287	6.92909	1.47264	1.3176	1.00403	3.56306	4.73579	1.43189	6.30555	4.3087	2.88347
LMNB1-DT	0	0	0	0	0	0.0646805	0	0	0	0	0	0	0.0653469	0	0
LMNB2	3.10966	3.09501	2.96418	16.0024	7.6481	15.2335	3.29446	2.13028	2.98001	5.44786	4.38802	5.70168	17.0217	11.6893	5.15292
LMNTD1	0	0.0141938	0	0	0	0.0200672	0	0	0.0287023	0.0147897	0	0.00421575	0	0.0153966	0
LMNTD2	0.33093	1.13208	1.16808	0.500182	2.51884	1.52163	0.881639	0.539189	0.85981	0.456887	0.572821	1.03398	0.576489	0.50158	0.475258
LMO1	0.142069	0.554453	0.470118	0.409938	0.198614	0.616947	0.616398	0.27777	0.242234	0.106987	0.192454	0.071158	0.0183324	0.111377	0.122417
LMO2	5.28766	1.89691	2.62301	3.33657	3.05032	6.04394	2.11086	1.7537	1.44661	2.44062	5.19055	0.986989	3.04075	2.52325	3.82437
LMO3	0.448857	0.0237893	0.085405	0.0786352	0.0348615	0.240783	0.158872	0.271256	0.0163997	0.0394353	0.0810725	0.0706572	0.01448	0.16656	0.122477
LMO4	7.95409	5.41651	3.65841	4.42492	4.82115	7.59662	3.65615	4.13939	10.4536	4.72294	8.94534	2.79973	7.54047	3.53962	4.79548
LMO7	3.91886	3.58703	4.23581	4.79644	3.4271	3.43769	2.78936	4.30424	10.0334	4.26741	2.47069	3.8132	4.54662	2.42992	1.91337
LMO7-AS1	0.741514	0.263254	0.452003	0.0402185	0	0.864007	0.267359	0.416208	0.142592	0.195932	0.484624	0.167549	0.1259	0.367151	0.224191
LMO7DN	0	0.0190936	0.0327835	0.0408383	0.0307784	0.0168716	0.0904931	0.0176093	0	0	0	0	0	0.0103558	0
LMO7DN-IT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LMOD1	10.1451	2.45107	3.23838	0.553104	4.13229	19.3036	7.32038	2.31237	0.717607	1.94769	2.81211	0.617797	1.0765	1.98493	5.08557
LMOD2	0.187673	0.0380732	0.0735425	0.122149	0.0306864	0.0336423	0.0789449	0.0702266	0.0481189	0.0991785	0.0334515	0.0989469	0.0254917	0.0309746	0
LMOD3	0.039988	0.00963341	0.0827022	0.0412088	0	0	0.0342427	0.0266535	0	0	0	0	0	0.0156746	0.0430709
LMTK2	5.2806	5.47249	5.42583	4.23933	5.8234	6.15964	5.77517	5.07005	10.7449	6.06592	3.54865	7.11437	9.58338	4.607	3.19545
LMTK3	0.404957	0.959873	1.10129	1.27594	2.97889	0.812496	1.12137	0.500539	3.43534	0.963946	1.13498	1.77185	1.01808	1.07284	0.695209
LMX1A	0.0311314	0.0269992	0.0412065	0.00641635	0.0580293	0.0265079	0.127961	0.0442671	0	0.00781461	0	0	0	0	0.0447086
LMX1B	0.797899	0.751666	0.614104	0.38863	0.72145	0.723342	0.960873	0.585631	0.0676842	0.12954	0.0537749	0.613524	0.522484	0.709551	0.421868

LNCAROD	0.078852	0.018996	0.016308	0.101574	0.0612422	0.453204	0.0450153	0.0350385	0	0.0494837	0	0	0.0254374	0.0206057	0.141552
LNCNEF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LNCOC1	0.0946138	0.0774829	0.119585	0.0883638	0.0803178	0.264697	0.157314	0.102753	0.0113803	0.0391854	0.0351013	0.0250182	0.0461106	0.0392366	0.029904
LNCPRESS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LNCPRESS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LNCURLR	0.195851	0.125819	0.108014	0.168192	0	0.0833822	0.186347	0.0580187	0	0.0819377	0.331637	0.140137	0.147422	0.409441	0.281267
LNCTAM34A	0.18873	0.306899	0.457233	0.437607	0.4031	0.823595	0.269358	0.251592	0.287315	0.059219	0.219481	0.101281	0.0608839	0.246597	0.508201
LNP1	0.28225	0.212551	0.26771	0.151146	0.460985	0.856761	0.262214	0.278663	0.0764345	0.302784	0.377794	0.194869	0.176673	0.137156	0.288749
LNPEP	9.24767	10.8693	12.1381	9.27622	4.77572	10.1183	9.46732	11.5857	9.19939	10.1346	9.59486	7.74274	10.9552	7.12364	7.68699
LNPK	3.11638	3.17995	3.14841	3.04978	1.3321	4.17364	2.85421	4.13442	4.66577	4.89973	5.51115	3.69776	5.78257	2.77566	3.06686
LNK1	3.82966	3.4804	4.17325	5.70892	2.83081	3.01354	5.66926	2.59369	16.1072	2.40331	2.86971	2.20636	2.68815	0.628072	0.597401
LNK1-AS1	0.2511	0.161312	0.138485	0.345021	0.0650075	0.0356347	0.334481	0.0743856	0.101937	0.105052	0	0.269503	0	0.0218726	0.0601019
LNK1-AS2	0.283095	0.0795665	0.0878237	0	0.0366454	0.0502192	0.148147	0.115313	0	0	0	0.0761049	0	0.0508201	
LNK2	2.44452	3.25983	3.2082	3.51488	1.79596	3.2469	2.27795	2.81459	7.11681	5.54769	3.9754	4.16819	7.20109	3.89678	1.86107
LOC100049716	0.742399	1.25433	1.38392	1.62194	1.10707	3.25343	2.19258	1.10843	2.89331	0.807549	1.3521	1.28198	0.453446	0.946745	0.511766
LOC100101148	0.727686	0.341915	0.318048	0.283936	2.276	0.652076	0.0443721	0.652017	0.00100877	0.00042351 6	4.14E-12	0.0185441	0.0275472	0.270794	0.24432
LOC100101478	0.0413691	0.0199323	0.0537797	0.0182709	0.0183601	0.0956113	0.0269908	0.0682786	0.00719756	0.0222525	0.0600436	0.0338294	0.00762604	0.0710414	0.025462
LOC100126447	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.101952
LOC100126584	0.544166	0.416415	0.105923	0.263896	0.149167	0.109024	0.0730954	0.312924	0.155937	0.120527	0.14454	0.29775	0.0826101	0.301134	0
LOC100126784	0.930932	0.317989	0.301257	0.630451	1.49465	1.2026	0.817198	0.327053	0.698215	0.645641	0.339395	0.476464	0.0946395	0.513091	0.313079
LOC100128006	0.0467302	0.040281	0.0244469	0.0274745	0.0627792	0.0257745	0.0773057	0.0137301	0	0	0.0256824	4.85E-16	7.33E-33	0.0118674	0.0910995
LOC100128059	0	0.0051103	0	0.0437206	0	0.00903117	0.01211	0	0	0.186369	0.0119732	0.00758913	0.0684316	0.0443467	0.0913923
LOC100128076	0	0.0332525	0.00951569	0	0.0178674	0.00979424	0	0.0204449	0	0	0	0.00823035	0	0	0
LOC100128079	0.220643	0.176092	0.357117	0.076759	0.0760898	0.126469	0.324878	0.188611	0.0906799	0.185135	0.0545397	0.108721	0.0616748	0.31793	0.284505
LOC100128108	0.46344	0.383496	0.438565	0.276897	0.250828	0.347371	0.562212	0.171077	0.0511889	0.145416	0.320657	0.165802	0.0373762	0.0851792	0.995547

LOC100128164	0.00660098	0.00954137	0.0109216	0	0.0102536	0.00562065	0	0.0029332	0.00401963	0.00414246	0.00745169	0	0	0	0
LOC100128239	0.201331	0.441371	0.591272	0.0518695	0.265827	0.154288	0.356304	0.125249	0.01226	0.101077	0.0113639	0.0288116	0.0259796	0.142053	0.289137
LOC100128242	0.140403	0.0338241	0.0580755	0.0964594	0.181745	0.239102	0.0534358	0.124778	0	0.35244	0.396243	0.100462	0.0603914	0.293522	0.739332
LOC100128253	0.190871	0.137947	0.207246	0.0245872	0.074122	0.0711041	0.272412	0.159028	0	0.0299453	0	0.0170716	0	0.0124697	0.23985
LOC100128276	0.147722	0	0	0	0	0	0	0	0	0	0.0555864	0	0	0	0
LOC100128288	0.347852	0.869428	0.899275	0.44809	0.253282	0.425776	0.620573	0.647267	0.35745	0.245582	0.136606	0.225563	0.0771487	0.323836	0.530782
LOC100128310	0	0.0111507	0.00957278	0	0.0359492	0.009853	0.013212	0	0	0.0145235	0.0261256	0.00827974	0.0223977	0.0120956	0
LOC100128317	0.0144946	0.00465581	0.00399699	0	0	0	0.011033	0.00858773	0.00588427	0.00606407	0	0	0	0	0
LOC100128325	0	0.110185	0.189185	0.0942671	0.284183	0.155779	0.156664	0.0406475	0	0	0.0516317	0	0	0.0956172	0
LOC100128340	0.15028	0.742172	0.435126	0.387169	0.758667	0.319903	0.600545	0.233723	0.411803	0.0943081	0.0424117	0.564527	0.0484798	0.255264	0.377686
LOC100128361	3.97509	4.53473	4.65162	1.69806	5.0323	1.78353	4.76184	3.2928	1.36053	2.81589	0.914292	5.42213	0.420444	3.01173	1.484
LOC100128386	0.112159	0.103295	0.204716	0.0879252	0.048012	0.0606821	0.13004	0.0782664	0.0325438	5.61E-45	0.0773281	0.018244	0.00826064	0.0676877	0.0183392
LOC100128398	0.69539	0.74863	0.852569	0.211764	0.499381	0.388981	0.647958	0.601175	0.252586	0.381112	0.110177	0.255347	0.031485	0.810452	0.280328
LOC100128494	0.977863	1.19839	1.29585	0.494901	1.45982	0.546513	1.29377	1.17318	0.277947	0.369243	0.198614	0.990681	0.135264	0.793572	1.62556
LOC100128531	2.52124	2.50976	2.36122	1.39715	2.58627	2.4911	2.28121	2.02928	0.173807	0.656765	0.295356	1.71892	0.184153	1.01936	0.888124
LOC100128568	0.217306	1.01211	1.6479	0.0373233	0	0	0.496225	0.514995	0.132327	0.0909136	0	0.466464	0	0.530009	0.572144
LOC100128573	0.264492	0.530985	0.692887	0.317994	0.821695	0.0750705	0.402651	0.430941	0.107374	0.165982	0	0.157709	0.142207	0.230392	0.253229
LOC100128593	0.0432951	0.00825365	0.0212571	0.0441332	0.0665232	0.0364656	0.0391177	0.015224	0	0	0.038676	0	0	0.0134296	0.0123006
LOC100128653	0.638626	1.11139	1.30108	0.736705	2.25052	0.900892	1.861	0.931811	0.48756	0.765652	0.247483	2.30523	0.510436	1.52938	1.91643
LOC100128770	0.79711	1.53373	0.915921	1.83351	4.44999	0.822294	1.3459	0.836904	1.11601	0.985138	0.052259	2.33661	0.175008	1.54179	0.559651
LOC100128882	0.0630601	0.212683	0.234755	0	0.783633	0.187932	0.18	0.140106	0	0.0395734	0.071187	0.112803	0	0	0
LOC100128885	0.0105942	0.00510445	0.00438214	0.0218353	0.00822823	0.0135312	0	0.0282458	0.0129026	0.0132968	0.0538179	0.00379022	0	0.00830549	0
LOC100128966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18096
LOC100128988	0.0223389	0.026908	0.0369605	0.0345313	0.0520499	0.0475531	0.0127529	0.00992646	0.0272062	0.0420563	0.0378267	0.015984	0.0144129	0.00583763	0.0320814
LOC100128993	0.0228912	0.0220587	0	0.0707703	0	0.0194916	0.052273	0.0610315	0	0.114923	0	0	0	0.0239279	0
LOC100129027	0.0129074	0.0590805	0.0320338	0.0598567	0.0300746	0.153867	0.0294746	0.0114711	0.00785991	0.0648007	0.00728545	0.115445	0.00416391	0.128174	0.194636

LOC100129034	4.04427	3.12534	3.50034	4.65386	4.53431	7.12069	4.35247	3.90605	0.550735	2.51991	4.15409	1.58803	2.85602	3.29424	7.37948
LOC100129046	0.91822	0.719904	0.838344	0.10962	0.764141	0.12861	0.920952	0.72255	0.0180446	0.204556	0.0334515	0.171774	0.0860346	0.445292	0.260531
LOC100129055	0.0750585	0.00803652	0.0068993	0	0	0.0284051	0.0190443	0.0222353	0	0	0	0	0	0.00435876	0
LOC100129083	1.34E-16	0.0241345	0.0892885	0.0192355	0.0556197	0	0.0202845	2.34E-43	1.09E-39	0.0395707	5.73E-35	2.52E-44	6.40E-31	0.00799134	0
LOC100129129	0.0415868	0.0601115	0.0172018	0	0	0	0	0	0.050648	0.0260979	0.539883	0.119026	0	0.0326026	0
LOC100129138	0	0	0	0	0.0594692	0.0162994	0	0	0	0	0	0	0	0	0
LOC100129148	0.662614	0.993432	0.921511	0.0649762	0.709334	0.2878	0.450433	0.433573	0.160127	0.08853	0.461448	0.18774	8.84E-34	0.301396	4.85E-29
LOC100129175	0	0.0111898	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100129203	1.00365	0.563223	0.351653	0.559735	2.0359	0.502704	0.57971	0.535178	0.258848	0.163018	0.533176	0.380192	0.0914191	0.364101	0.186531
LOC100129291	0	0.0368414	0.0632563	0	0.0197958	0.0217026	0.0145507	0.0113258	0	0.015995	0	0.027356	0.0164447	0.00666056	0.0366039
LOC100129297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100129307	0.586136	0.280305	0.347614	0.284883	0.808986	0.245694	0.38597	0.128253	0.0197102	0.129881	0.0435766	0.215352	0.0417672	0.40042	1.22562
LOC100129316	0.0176362	0.0148704	0.00729494	0.00454364	0.0684876	0.00375424	0.0100682	0.00783678	0.00536971	0.0055338	0.00995451	0.00630957	0	0.0576089	0.101311
LOC100129434	92.3291	86.6217	87.8468	44.7861	19.1435	23.4195	57.9181	91.7908	16.2817	36.0003	15.7467	52.0545	9.07319	64.7306	64.9453
LOC100129484	0.874974	1.42914	1.23777	0.712332	3.32988	1.35595	1.93809	0.808708	0.788558	0.395345	0.5235	0.732498	0.50243	0.571624	0.628286
LOC100129534	0.175014	0.352179	0.476936	0.169748	0.671648	0.587323	0.552459	0.274479	0	0.0129212	0.0464869	0.0662968	0.0332112	0.0753283	0.0739243
LOC100129540	0	0.00830965	0.0371333	0.0251048	0.0287692	0.0207432	0	0.0545008	0	0.0152878	0.0137503	0	0	0.0190983	0.0524784
LOC100129603	0.0414008	0	0.102749	0	0	0.176261	0	0	0	0	0	0	0	0.0216379	0.17837
LOC100129617	0.746939	1.54983	1.43517	1.52707	1.16025	0.861689	1.62313	1.14562	0.762964	2.1925	0.1904	2.44815	0.334236	1.71265	1.78206
LOC100129620	0	0	0	0	0.014131	0	0	0	0	0	0	0	0	0.0237727	0
LOC100129636	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00475361	0
LOC100129697	0.162771	0.121203	0.159138	0.0457473	0.459708	0.188996	0.152056	0.0920546	0	0.0371444	0.0835218	0.0952911	0.0381887	0.116006	0.297512
LOC100129724	0.123101	0.0790828	0	0.084573	0	0	0	0.328207	0.0999491	0.0515016	0	0.0587215	0.0529496	0	0.0589297
LOC100129878	0.105515	0.118624	0.145483	0.108737	0.054634	0	0.20079	0.218804	0.0856706	0.0441442	0	0.251664	0	0.055147	0.252556
LOC100129917	2.28708	3.53542	3.4462	1.48709	6.40741	2.08652	3.83925	2.40762	0.878728	1.1277	0.322728	2.12351	0.193235	2.00644	2.69801
LOC100129931	0.297309	0.269099	0.224097	0.168923	0.285746	0.168331	0.446919	0.213556	0.0310512	0.275318	0.0620016	0.142741	0.0253386	0.166138	0.144498

LOC100129935	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100129940	0.13556	0.0290288	0.0342664	0.108654	0.0467936	0.327044	0.0515926	0.153939	0.0183441	0.26939	0.246548	0.158967	0.106899	0.87381	0.529965
LOC100130027	0.615736	1.46722	1.48349	0.629805	2.3383	1.35659	1.13871	0.809116	0.602986	0.331638	0.31281	0.499751	0.292525	0.410487	0.73713
LOC100130075	0.349989	0.189709	0.325728	0	0.0679568	0.0745029	0.0749262	0.213841	0	0.0549091	0	0.0313033	0	0.0457299	0
LOC100130111	0	0	0.00742076	0	0	0	0.0204837	0	0.0218493	0.0337755	0.0810097	0.0128368	0.0636626	0.0328174	0.0128823
LOC100130172	0.116762	0.0518908	0.0550177	0.01691	4.01E-43	0.00724532	0.0402093	0.0433779	0	0.0204166	0.0286773	0.0120108	0	0.0218392	0.0705922
LOC100130207	0.671385	0.518525	0.383891	0.183145	0.32207	0.142919	0.236734	0.544024	0.0841721	0.0619601	0.111457	0.0635816	0.0254809	0.0412818	0.141793
LOC100130238	0	0	0	0	0	0.0050828	0	0	0	0	0	0	0	0.00311983	0.0085727
LOC100130264	0.517452	0.567195	0.395968	0.639899	0.562647	0.242332	0.192013	0.459868	0.204815	0.357201	0.116828	0.888602	0.125197	0.304249	0.20436
LOC100130268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100130283	0.466795	0.792043	0.875606	0.779779	1.27063	0.974875	1.13048	0.716905	0.534833	1.11293	0.562005	1.67563	0.583099	2.08018	1.7384
LOC100130298	0.135339	0.0869448	0	0.139471	0	0.23048	0	0	0	0.0566217	0.0509271	0	0.0582136	0	0.194365
LOC100130331	0	0	0	0.0228956	0	0	0	0	0	0	0	0.0158971	0	0	0
LOC100130357	0.352436	0.333914	0.523556	0.105032	0.186324	0.192926	0.537184	0.457836	0.0492756	0.284375	0.118753	0.094659	0.052209	0.170693	0.209745
LOC100130370	0.0982025	0.378524	0.52806	0.0337335	0.0762712	0.292663	0.205561	0.261823	0.0996663	0	0	0.0585554	0.0316799	0.0513249	0.117526
LOC100130373	0.300872	0.382706	0.398244	0.136425	0.205637	0.174208	0.357267	0.427824	0	0	0.0135859	0.0516676	0	0.0754794	0.172836
LOC100130449	0.343952	0.68656	0.792651	0.278498	0.954065	0.481144	0.673223	0.43668	0.0299211	0.0308354	0.0277342	0.773479	0.126809	0.42373	0.670372
LOC100130451	0.0370734	0.0669844	0.0920091	0.0191026	0.0431908	0.0157837	0.0529115	0.0576585	0	0.0116327	0.0313884	0.0331587	0	0.0387523	0.0399315
LOC100130452	0.0914745	0	0	0	0	0	0	0	0	0	0	0	0	0.0239043	0
LOC100130476	1.3669	1.95307	2.59303	0.886466	1.3362	0.993327	1.7894	1.4766	6.08488	1.73039	2.60724	3.19554	1.02637	1.97692	0.998444
LOC100130520	0	0	0	0.174921	0	1.88E-12	0	0	0	1.13E-05	9.32E-08	0.0608486	8.84E-09	2.17E-18	0.244257
LOC100130548	0.350652	0.665239	0.525778	0.338773	1.36171	0.38255	0.863284	0.496661	0.0934183	0.0962729	0.0247402	0.376352	0.0636297	0.314989	0.975688
LOC100130587	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100130673	0	0	0	0	0	0	0.016546	0	0	0	0	0	0	0	0
LOC100130691	0.408982	1.62998	1.71376	0.476442	0.448846	0.61321	1.1268	0.84151	0.969118	0.541212	0.67748	0.795211	0.243796	0.341538	0.223448
LOC100130698	0	0	0.00552064	0	0	0.00568224	0.00761937	0	0	0	0	0	0.00430559	0	0

LOC100130744	5.1394	5.32206	5.39294	2.18438	5.57642	2.39108	5.54855	3.88486	1.72674	1.9648	1.24365	2.2711	1.31407	2.30546	2.43373
LOC100130849	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100130872	0.185851	0.187132	0.314517	0.0287287	0.251911	0.0883783	0.38502	0.23196	0.0169759	0.0416453	0.136371	0.056517	0.00899324	0.127475	0.587191
LOC100130880	0.481311	0.077301	0.0663624	0.289336	0.0623036	0.0341525	0.183182	0.285166	0.195394	0.151024	0	0.487887	0.0258783	0.565997	0.518418
LOC100130899	4.57846	9.14429	9.07678	5.5327	5.83348	6.40468	8.49476	6.74285	2.44284	3.24264	1.51979	4.02482	3.78042	3.67197	0.939322
LOC100130950	0.243156	0.493268	0.343052	0.0875926	0.430331	0.351062	0.478703	0.410893	0.0778609	0.0142533	0.3596	0.0947863	0.0322393	0.213584	0.382555
LOC100130964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100130987	0.980176	1.67916	1.32893	0.785633	3.34116	0.579588	1.6787	0.677522	0.862149	0.854321	0.768401	2.37677	0.597271	1.15264	0.899336
LOC100130992	0.310861	0.151499	0.156664	0.121512	0.466223	0.38335	0.179505	0.09844	0.0217582	0.0672694	0.153277	0.0255666	0.0484124	0.0597589	0.246309
LOC100131047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100131107	0.647353	0.412463	0.677138	0.323706	0.796973	0.386676	0.531257	0.445097	0.0559239	0.243051	0.138231	0.347606	0.0493776	0.763649	0.675066
LOC100131257	0.143051	0.197949	0.225346	0.105746	0.039341	0.0525068	0.170198	0.190047	0.0214574	0.0491434	0.0189821	0.15115	0.00358527	0.0982428	0.110169
LOC100131289	0	0.282807	0.254349	0.230431	1.21567	0.0951981	0.127652	0.173881	0.0340406	0.0350808	0.094658	0.0399987	0.0180335	0.0730409	0.120422
LOC100131315	0	0	0	0.0407685	0.307258	2.0885	0	0	0	0.198611	0.53591	0.141534	0.357342	0.227438	0.568143
LOC100131472	0	0.0191922	0	0	0	0	0.0454802	0	0	0	0	0	0	0	0
LOC100131496	0.39034	0.485027	0.441886	0.338742	0.590377	0.524794	0.609875	0.639029	0.150123	0.141818	0.0463837	0.448348	0.0596476	0.327488	0.177024
LOC100131604	0.126327	0.0973858	0.0418025	0.130183	0.117737	0.666906	0.20193	0.0449075	0.0615407	0.0951318	0.19965	0.0542341	0.0163011	0.0528191	0.181421
LOC100131626	0.293643	0.333022	0.246333	0.484171	0.271776	0.112158	0.197228	0.385372	0.211843	0.106016	0.143423	0.242806	0.106899	0.368652	0.189225
LOC100131635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100132057	0.19091	0.292855	0.36058	0.153112	0.135809	0.194511	0.0928169	0.309991	0.0759209	0.0782408	0.035186	0.110056	0.0100551	0.117591	0.296298
LOC100132062	0.368174	0.432682	0.627405	0.715161	2.19863	1.26024	0.858211	0.935541	0.824621	0.42914	0.469214	1.05016	0.502614	0.681772	0.752256
LOC100132077	1.79835	1.9083	2.18731	0.95972	1.13069	1.52216	1.90663	1.66482	0.391105	0.752371	0.676704	0.79657	0.455827	1.07417	1.3067
LOC100132078	0	0.00862055	0	0	0	0	0	0	0	0	0	0.00640103	0	0	0
LOC100132111	1.11824	1.33486	1.44467	0.372311	3.09899	0.933758	1.66791	1.0661	0.789858	0.182801	0.378064	0.775584	0.396289	1.35756	0.378545
LOC100132215	0.632566	0.615835	0.541769	0.388042	0.320306	0.401927	0.607779	0.774978	0.510824	0.725501	0.694297	0.408852	0.408731	0.486732	0.522681
LOC100132249	0.474266	0.519585	0.513787	0.482926	0.79809	0.177878	0.631752	0.607144	0.151277	0.127554	0.146594	0.185835	0.0874269	0.0295086	0.235144

LOC100132287	0.368174	0.432682	0.627405	0.715161	2.19863	1.26024	0.858211	0.935541	0.824621	0.42914	0.469214	1.05016	0.502614	0.681772	0.752256
LOC100132356	1.73735	1.493	1.59815	1.06889	2.49731	1.35789	1.93924	1.6938	0.189483	0.846184	0.556176	0.62156	0.234224	1.17906	1.56406
LOC100132686	0.624515	1.00809	1.02885	0.095439	1.72E-25	0.409223	0.979957	0.893787	1.26E-10	0.119432	0.0823707	0.198822	0.0395719	0.26989	0.768792
LOC100132741	0.130506	0.0890796	0.0809728	0.0336225	0.0337868	0.231509	0.198677	0.0579914	0	0.0409496	0.171879	0.0155634	0.0561345	0.011368	0.0937115
LOC100132781	0.779373	0.427669	0.689527	0.178481	0.117701	0.0829532	0.321339	0.808082	0	0.149446	0.0855376	0.123925	0.020952	0.203667	0.248728
LOC100132813	0.0322492	0.0253837	0.00661381	0.0081801	0.0350723	0.0203865	0.00859317	0.00776632	0	0	0	0	0	0.00786704	0
LOC100132831	0	0	0	0	0	0	0	0	0	0.264063	0	0.00836337	0.422313	0.0427621	0.016786
LOC100133050	0.273934	0.181904	0.393681	0.0701198	0.40901	0.322638	0.234407	0.266466	0	0.0427643	0.266307	0.0732741	0	0.12262	0.292187
LOC100133077	0	0.0103824	0.0297107	0	0	0	0.0164022	0.012767	0	0	0	0.0256975	0.00463432	0.0187703	0
LOC100133091	2.62382	2.80437	2.92742	1.72713	8.33837	1.25209	2.72739	2.23573	0.905148	1.34398	1.19399	2.0638	0.498605	3.24416	2.35985
LOC100133286	0.141988	0.278686	0.158343	0.0482572	0.435974	0.0204021	0.299828	0.0986247	0.224138	0.028178	0.0273329	0.119537	0.0453084	0.10992	2.67E-40
LOC100133315	0.817907	1.13746	0.845788	0.689627	0.895119	0.633125	0.955084	0.726888	0.113195	0.186647	0.314767	0.186211	0.191894	0.514912	0.266959
LOC100133331	1.36734	1.39905	1.13255	0.799897	1.57571	1.16139	1.36823	1.59212	0.617388	0.478943	0.31527	1.70419	0.162197	0.51161	1.02546
LOC100133920	0.231915	0.472218	0.241619	0.0944642	0.243783	0.0844643	0.186887	0.0830123	0.0156695	0.131591	0.0128759	0.151587	1.33E-06	0.528535	0.409214
LOC100134040	0.0951084	0.282343	0.314722	0.0326707	0.196982	0	0.0723945	0.309923	0.0386105	0	0.0357885	0.158789	0	0.0497078	0.0455292
LOC100134317	1.97E-31	0.260813	0.0396387	9.64E-33	0.128968	0.137591	0.140911	0.12753	4.50E-23	0	3.08E-21	0.0296952	7.25E-19	0.0751469	0.111345
LOC100134368	0.162046	0.0922717	0.0609343	0.0910869	0.526308	0.125436	0.100919	0.0916444	0.0179412	0.0924472	0.0332599	0.0210814	0.0285139	0.138587	0.0211562
LOC100134391	0	0	0	0	0	0	0.0231789	0	0	0	0	0	0	0	0
LOC100134868	0.894528	0.850944	0.999339	0.370311	0.736322	0.449195	0.750731	0.747419	0.0838027	0.297474	0.284818	0.317294	0.419293	0.371618	0.285479
LOC100144595	0.00979807	0	0	0	0	0	0.0111871	0	0	0	0	0.0140216	0	0.0051209	0.0281425
LOC100147773	0.086234	0.0882913	0.205099	0.0888666	0.100463	0.165211	0.209226	0.0766376	0	0.0405872	0.0243369	0.0154257	0.0765019	0.0281685	0.170284
LOC100190986	55.8019	64.937	75.3065	18.9855	30.0217	13.6289	46.7852	65.7029	4.72851	12.075	3.35164	32.0159	1.79894	33.019	35.7509
LOC100192426	0.11271	0.072407	0	0.0387169	0	0	0.171584	0.100167	0	0	0	0.0537645	0	0.0196357	0
LOC100233156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100240728	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100240734	0.565614	0.545043	1.0918	0	0.0732162	0.0401344	1.13015	0.502671	0	0	0	0.370986	0	0.0739037	0

LOC100240735	0.255724	0.258745	0.465417	0	0.119168	0.0870984	0.291978	0.27272	0	0.032096	0.0288681	0.073191	0.0329984	0.0534611	0.220351
LOC100268168	0.162245	0.156344	0.268441	0.13137	0.0900079	0.049339	0.264637	0.14419	0.0846839	0.378177	0.091577	0.19072	0.119634	0.314957	0.133145
LOC100270746	0.147565	0.296245	0.264498	0.430864	0.916875	0.293182	0.393131	0.174858	0.0599057	0.0926044	0.222109	0.175977	0.111076	0.12854	0
LOC100270804	0.773163	0.494634	0.462659	0.219561	0.320815	0.302869	0.386589	0.37339	0.123219	0.0720052	0.103586	0.152634	0.0740296	0.142096	0.280128
LOC100272217	0.107893	0.129961	0.196365	0.0889495	0.0837976	0.257235	0.11087	0.0767091	0.354784	0.176042	0.389753	0.0926404	0.0974568	0.101501	0
LOC100286906	0.0178573	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100286922	0.0539019	0.21179	0.236608	0.0231549	0	0.0382641	0.526493	0.372766	0	0	0	0.0482315	0	0	0
LOC100286925	0.773723	0.832768	0.91366	0.430823	0.949856	1.47702	0.983152	0.737529	0.265974	0.383742	0.197228	0.531296	0.466996	0.626139	1.07532
LOC100287010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100287015	0.182607	0.250057	0.29418	0.683398	0.373226	0.85109	0.274335	0.136662	0.53843	0.615196	1.1392	0.165045	0.502273	0.346592	0.276049
LOC100287036	0.914175	1.09729	0.915484	0.512361	1.1709	0.464313	1.17196	0.698415	0.0976633	0.42272	0.0724203	1.2279	0	0.846606	1.08254
LOC100287042	0.604087	0.403295	0.472093	0.214897	0.635252	0.932286	0.448964	0.43326	0.132537	0.281691	0.325067	0.188807	0.18432	0.159688	0.0857295
LOC100287049	1.21585	1.38044	1.10989	0.82091	0.195376	0.428391	1.34035	0.819724	0.204244	0.684076	0.378632	1.04997	0.216403	0.96414	1.26443
LOC100287072	0	0	0.0089587	0.0111849	0	0	0	0.0196071	0	0	0	0	0.00706389	0	0
LOC100287175	0	0.0473489	0.0406488	0	0	0	0.0561019	0	0	0	0	0	0	0	0
LOC100287329	0.0493455	0.0988557	0.068753	0.0374699	0.10489	0.0420171	0.0948903	0.0877084	0.0126521	0.019558	0.00586368	0.0297331	0.00837828	0.0475081	0.0559472
LOC100287467	0.724691	0.914172	1.03982	1.27298	1.1684	1.05361	0.554993	0.65395	0.405097	0.994362	0.699789	0.617135	1.11528	0.679654	0.67116
LOC100287497	1.32784	1.2521	1.26888	0.510321	0.449279	0.496288	1.13081	1.4527	0.240173	0.511525	0.366085	0.639677	0.13289	0.627567	0.96921
LOC100287704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100287792	0.0111916	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100287808	0.127674	0.188647	0.147869	0.140343	0.423087	0.456594	0.204084	0.173981	0.103662	0.0961464	0.297865	0.255792	0.109833	0.160147	0.183356
LOC100287834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100287837	0.647044	0.19524	0.383508	0.302414	2.78828	1.03978	0.39445	0.221542	0.0877168	0.136065	0.56561	0.124738	0.104409	0.284708	0.706025
LOC100287846	0.0819016	0.0676482	0.0532359	0.0482297	0.072698	0.104607	0.0935126	0.0519909	0.00712478	0	0.0198121	0.0209296	0.0113234	0.0550355	0.151227
LOC100287896	0.497848	0.600212	0.652136	0.537001	0.302606	0.97987	0.295893	0.406857	0.416458	0.553712	0.814428	0.270192	0.315039	0.282912	0.213111
LOC100287944	0.0842836	9.95E-44	0.0720679	0	5.55E-16	0	0.0623534	0	0	0	3.77E-29	4.65E-43	1.47E-43	0.0254094	0

LOC100288069	12.1593	10.6059	9.37769	11.1391	14.2499	10.3069	16.1471	13.1616	6.51599	4.93519	3.72044	13.6263	3.16567	7.67577	10.3766
LOC100288123	0.906912	0.84156	0.764155	0.276918	2.00877	0.743623	1.34229	0.880616	0.163632	0.21079	0.132714	0.721022	0.173373	0.781209	1.06125
LOC100288162	1.02629	1.5463	1.6467	0.638154	3.48487	1.62683	2.26799	1.08312	0.196285	0.197539	0.25542	0.986177	0.175432	0.820958	1.49541
LOC100288175	0.0712825	0.34345	0.216223	0.661128	0.369088	0.404641	0.0271294	0.337866	1.59159	1.55076	1.07292	1.51313	2.2229	1.24184	0.204741
LOC100288203	0.770528	0.777446	0.667432	0.36433	0.450596	0.710126	0.403657	0.563938	0.132482	0.170663	0.583298	0.389177	0.198856	0.454827	0.481686
LOC100288208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100288254	0.115587	0.0371277	0.0212492	0	0.0398992	0.0109356	0.0733185	0.0570689	0.0469239	0	0	0.0091895	0	0.0469861	0.0922207
LOC100288570	2.75E-06	0.0413417	0.00100336	0.00020854	1.07E-39	0.00011258	3.64E-15	0.00039109	0	8.93E-08	1.34E-20	2.11E-11	0.00011079	0.0915261	0.00024005
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LOC100288637	0.366634	0.331512	0.386011	0.546655	0.3853	0.283065	0.348686	0.287354	0.182305	0.3588	0.271054	0.209785	0.172415	0.60842	0.236244
LOC100288728	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100288748	0.222631	0.214534	0.254339	0.142027	0.115274	0.126378	0.0847311	0.160169	0.296963	0.199589	0.0837743	0.12137	0.136801	0.083112	0
LOC100288798	0.740782	0.66461	0.866411	0.210592	0.952295	0.369759	0.758304	0.703748	0.21777	0.54503	1.0381	0.219331	0.082405	0.213608	0.550271
LOC100288846	0.355269	0.428084	0.273904	0.359119	0.666567	0.450839	0.329865	0.27071	0.369126	0.398384	0.679078	0.250332	0.428642	0.255847	3.74E-16
LOC100288866	0.101283	0.0200865	0	0	0.0319745	0.068599	0.0687582	0.122271	0	0.0237894	0	0.0144035	0	0.00990628	0.0903518
LOC100288911	1.09897	0.747531	0.935887	0.433023	1.05437	0.990805	0.7381	0.574514	0.354289	0.811366	2.22579	0.161894	0.542215	0.219612	0.649873
LOC100288966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100289230	0.623979	0.42733	0.556949	0.327494	0.260534	0.544626	0.564443	0.539912	0.143174	0.218702	0.269595	0.150824	0.0810183	0.290562	0.764323
LOC100289333	0.433159	0.149073	0.204765	0.0637689	0	0.15807	0.0706524	0.109987	0	0	0	0	0	0.0970233	0.0888672
LOC100289361	0.297182	0.143187	0.307312	0.229691	0.750143	0.695878	0.254485	0.231097	0.271451	0.559491	0.838704	0.106321	0.311578	0.0970752	0.0533489
LOC100289473	0.247851	0.358255	0.17941	0.319272	0.0481247	0.0527604	0.530602	0.440538	0.528245	0.233308	0.0699481	0.266016	0.059967	0.0161922	0
LOC100289495	0.148049	0.156931	0.132275	0.10985	0.0275966	0.176487	0.108184	0.126311	0.0432737	0.0817595	0.0869071	0.0635599	0.0229249	0.0557114	0.00850469
LOC100289511	1.9967	1.9613	2.28165	1.37194	2.03095	0.867958	2.13931	1.38703	1.04513	0.86652	0.858575	1.45858	0.725383	0.885057	1.35353
LOC100289561	2.04948	2.24177	2.29156	2.24021	5.64843	2.3347	2.86515	1.93395	0.816827	0.990522	1.23345	1.30654	2.0085	2.40419	3.00412
LOC100289580	0.37242	0.714989	0.494157	0.697939	2.21386	1.23433	1.49337	0.794352	0.340045	0.574789	0.119412	1.81187	0.293625	1.17375	1.17856
LOC100289656	0	0	0	1.64E-43	0.230263	0	0	0	3.92E-40	0	0	0	0	0	0

LOC100291105	0.241388	0.163318	0.16345	0.0474948	0.171991	0.2220219	0.24321	0.147486	0.0189244	0.172402	0.052512	0.161924	0.0589631	0.176611	0.255917
LOC100294145	0.128573	0.100855	0.0856102	0.154311	0.0657606	0.174898	0.107414	0.10033	0.0725647	0.177115	0.29648	0.0549739	0.115327	0.0717047	0.119345
LOC100294362	1.16295	1.22816	1.26368	0.73791	1.16249	1.31865	1.65073	0.986995	0.175261	0.515323	0.171132	0.63337	0.211997	0.778904	2.04888
LOC100303749	0.692185	0.928015	1.19504	0.527234	0.140244	0.256255	0.996483	1.3373	0.183262	0.339951	0.169868	0.710615	0.0388343	0.975195	0.821184
LOC100310756	0.222989	0.314644	0.250355	0.410351	0.494827	0.8273	0.254601	0.0990869	0.0581947	0.39982	0.611336	0.125364	0.513826	0.27471	0.228743
LOC100335030	0.534634	0.723382	0.808226	0.233967	0.227526	0.218263	0.284309	0.631348	0.053517	0.183841	0.0330704	0.298699	0.0519777	0.566501	0.536409
LOC100379224	0.348715	0.196078	0.246783	0.134437	0.107508	0.32779	0.0722456	0.207638	0.0886611	0.224529	0.309047	0.186197	0.147571	0.25801	0.632421
LOC100419170	0.0305116	0.0110257	0.00631034	0.267266	0.0236975	0.0649506	0.0522557	0.0406743	0.250828	0.0574428	0.111942	0.00545797	0.0393719	0.139534	0.0985917
LOC100419583	2.29853	4.32129	4.58599	9.38192	5.14559	10.0065	2.52147	3.71499	6.22993	5.28897	8.03865	3.22482	5.51036	3.10928	3.20389
LOC100420587	0	0.0107012	0	0	0	0	0	0	0	0	0.00835752	0	0	0	0.0106322
LOC100421746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100422212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100422556	1.06814	0.661688	0.757407	0.0524167	0.237027	0.21655	0.754971	0.813664	0	0.638394	0.114838	0.618706	0.0984513	0.824094	1.31484
LOC100422781	0.033944	0.0163548	0.0280809	0.0279843	0.0105454	0.0289029	0.0465075	0	0	0	0.00485757	0	0.00354813	0	0
LOC100499194	0.469656	0.394247	0.529066	0.195657	0.465655	0.212716	0.34228	0.435153	0.182549	0.849618	0.157927	0.440659	0.0633572	0.684162	0.444873
LOC100499489	0.498892	0.240374	0.244574	0.257061	0.60274	1.07773	0.611813	0.26274	0.135021	0.243507	0.615334	0.138822	0.214588	0.140029	0.942028
LOC100500773	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0177354	0
LOC100505501	0.0347076	0.0267563	0.0401976	0.0143069	0.0431304	0.0709274	0.0396281	0.0308453	0	0.052274	0.0470167	0.0099337	0.0313505	0.0108838	0.0797513
LOC100505549	0.620254	0.762786	0.927138	0.771753	0.819991	0.799294	0.695714	0.58836	0.259215	0.724481	0.39952	0.531133	0.219087	0.713415	1.55604
LOC100505555	0.177477	0.102614	0.117457	0.438949	0.33082	0.392911	0.202638	0.126182	0.432295	0.356404	0.52091	0.12699	0.160311	0.12986	0.050976
LOC100505585	0.285276	0.0687253	0.1475	0	0.0553916	0.0303636	0.24429	0.380295	0	0	0	0	0.0230074	0.0372745	0
LOC100505588	0	0.00519603	0	0	0	0.00918267	0	0	0	0	0	0	0	0	0.0619503
LOC100505622	0	0	0.0279497	0	0.0524805	0.0287679	0.0385752	0	0	0.0424042	0.114419	0	0	0.0706311	0
LOC100505635	0.626428	0.0838397	0.0575806	0.0717281	0.324353	0.38523	0.119206	0.185572	0.127153	0.218398	0.0785733	0.423325	0.0673614	0.200077	0.699713
LOC100505658	0.700738	0.913842	1.03573	0.491049	0.217698	0.143201	0.56539	0.929985	0.170684	0.469066	0.263682	0.782179	0.235099	1.16219	0.644063
LOC100505715	0.0739395	0.239198	0.209719	0.108853	0.475822	0.143905	0.229145	0.159584	0.0771857	0.185603	0.155013	0.143601	0.0885957	0.253946	0.182034

LOC100505716	1.5904	1.19962	1.06163	0.587762	0.528163	0.401592	1.39008	1.46215	0.0667906	0.289092	0.173345	0.69848	0.0566134	0.38981	1.19714
LOC100505736	0.871968	0.939108	0.712867	0.359435	0.446177	0.227108	0.702766	0.884335	0.0499745	0.257508	0.266352	0.616576	0.0595683	0.509344	0.97234
LOC100505774	0.22076	0.124093	0.0608762	0.0379167	0.0571529	0.125316	0.294067	0.0980967	0	0	0	0	0	0	0.05284
LOC100505782	0	0.160033	0.265911	0.022083	0	0.00912315	0.171267	0.199963	0.0130489	0.0268953	0	0.0229993	0	0.0167994	0
LOC100505795	0.389058	0.352186	0.292596	0.145795	0.256387	0.100387	0.457675	0.35624	0.0717922	0.118378	0.0798542	0.278381	0	0.27728	0.253971
LOC100505797	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100505824	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100505841	0	0.025285	0	0.0540807	0	0	0	0	0	0	0	0	0	0	0
LOC100505851	0.0772723	0.00930774	0.0958876	0	0	0	0.0661703	0.0686732	0	0	0.0218077	0.0414678	0.137103	0.0201929	0
LOC100505874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100505912	0	0.138596	0.0432668	0	0.081241	0.0445333	0	0.116201	0	0	0	0.0561338	0.0506162	0.0820039	0.112666
LOC100505915	18.0833	17.8161	21.0984	5.82916	6.94606	8.07043	19.6095	17.6621	1.45376	3.58894	1.71958	8.12039	0.672447	8.01705	11.8847
LOC100505918	0.00948097	0.0548169	0.0313733	0	0.0147272	0.0242188	0.0216501	0.0674072	0	0	0	0.0407033	0.00611707	0.0148655	0
LOC100505921	0.0593412	0.0857744	0.0654549	0	0.0307258	0.0336855	0.112923	0.0703166	0.0240903	0.0496528	0.0669888	0.0283068	0	0.0206762	0
LOC100505938	0.194117	0.0311762	0.0892151	0.22227	0.167517	0.220384	0.0985051	0.0191683	0.13134	0.108283	0.0730446	0	0	0.0112727	0
LOC100505942	0.146079	0.0904924	0.241693	0.086022	0.226911	0.284307	0.0714806	0.0927305	0.0254154	0.026192	0.0942313	0.0149319	0.0538567	0.0327202	0
LOC100505978	0.026817	0	0	0	0	0	0	0	0	0	0.030273	0	0	0	0
LOC100506016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100506022	0.123404	0.132637	0.0942358	0.0489122	0.206435	0.250569	0.260121	0.101235	0.011561	0.0833997	0.203604	0.0543379	0.0857444	0.0644965	0.218122
LOC100506023	0.350091	0.232182	0.173772	0.0806446	0.319889	0.133267	0.178699	0.245245	0.0551774	0.0775411	0.130186	0.0913585	0.0265737	0.116241	0.301665
LOC100506071	0.138772	0.370007	0.41162	0.32835	0.055246	0.052579	0.153944	0.248988	0.188526	0.279209	0.0893621	0.147527	0.0766777	0.379013	0.309799
LOC100506076	0.00106888	0.533814	0.516319	0.0016581	0.00062063	0.00028350	0.00063783	0.273298	8.80E-33	0.00034493	0.00012529	0.00040013	5.73E-05	0.0593499	0.00528372
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LOC100506082	0.103317	0.0497798	0	0.106471	0	0.13196	0	0	0.0629144	0	0.0583161	0	0	0	0
LOC100506083	0.215704	0.370582	0.396473	0.393532	0.331488	0.734985	0.54312	0.298219	0.0612739	0.153566	0.0558602	0.0485381	0	0.101547	0.138404
LOC100506098	0.163941	0.250133	0.158228	0.168946	0.169772	0.139594	0.311971	0.339961	0.465878	0.102882	0.215914	0.215058	0.158661	0	0

LOC100506100	0.72322	0.716276	0.465344	1.57341	0.249647	0.992143	0.504625	0.642738	0.440401	1.71457	3.12963	0.574982	0.72585	0.902968	0.519318
LOC100506123	0.78912	0.373205	0.561787	0.367598	0.458193	0.209304	0.470891	0.0761621	2.16E-36	0.254656	0.0924962	0.293498	0.0422921	0.165003	0.651624
LOC100506124	1.37756	2.05407	2.24325	0.552904	0.473015	1.00012	0.761594	1.41757	0.0883009	0.0727993	0.0818472	0.300893	0.037423	0.591137	1.12454
LOC100506125	0	0.0201276	0.0345588	0	0	0	0	0	0	0	0	0	0	0	0
LOC100506142	1.15868	0.602342	0.870253	0.65987	0.331547	0.363484	0.939984	0.853597	0.0928381	0.516645	0.240948	0.447258	0.118038	1.70517	2.25517
LOC100506175	0.0725487	0.0174775	0	0.149527	0.281733	0.21621	0.0414169	0.193426	0	0	0.0409493	0	0	0.322296	0.57304
LOC100506178	0.142624	0.0870431	0.0157318	0.235164	0.0443087	0.445288	0.151987	0.0507008	0	0.226742	0.246873	0.0204102	0.214713	0.417431	0.887577
LOC100506188	0.079257	0.0305498	0.0393402	0	0	0.0539891	0.199085	0.0281748	0	0.0596854	0.143154	0.0113421	0.0306817	0.0497078	0.0455292
LOC100506207	0.41154	0.373244	0.260348	0.207894	0.225622	0.213001	0.257975	0.301199	0.0982763	0.0911514	0.127531	0.155895	0.0780951	0.164479	0.0811208
LOC100506258	0.349873	0.617278	0.642726	0.185579	0.143861	0.188386	0.475843	0.352091	0.112793	0.0904083	0.104549	0.0662673	0.00331965	0.0779839	0.0886697
LOC100506271	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100506274	0	0.0241618	0.0207428	0	0	0.0426999	0.0286284	0	0	0	0	0	0	0	0
LOC100506281	0.188155	0.220164	0.222364	0.110799	0.542786	0.228873	0.12276	0.262769	0	0.0674725	0.0303433	0.13463	0.0520271	0.393352	0.617632
LOC100506282	0.271601	0.413173	0.730946	0.282061	0.144977	0.159872	0.245853	0.43716	0.192191	0.398343	0.664836	0.315401	0.139082	0.261867	0.350676
LOC100506302	0.434454	0.475011	0.428529	0.378838	0.285517	0.739864	0.457889	0.504909	0.468065	0.293615	0.697941	0.394558	0.463586	0.567662	0.0959895
LOC100506321	1.11856	0.756717	0.495645	0.483028	0.563386	0.353408	0.903494	0.716423	0.0316926	0.425676	0.204975	0.541124	0.218941	0.710574	0.753832
LOC100506358	0.024568	0	0	0	0	0	0.0280509	0.043668	0	0.0308354	0	0	0	0.0256806	0.246979
LOC100506368	0.172281	0.0645614	0.126687	0.0591801	0.0297346	0.0977966	0.0655682	0.0680484	0	0.0720767	0.0432186	0.0273937	0.111155	0.0100046	0.219926
LOC100506384	0.0341343	0.0493393	0.0282383	0	0.159067	0	0	0	0	0	0	0	0	0	0.0490212
LOC100506388	0.500636	0.559178	0.112953	0.398666	0.212089	0.503792	0.311787	0.384252	0	0.0571227	0.0770667	0.146544	0.102775	0	0
LOC100506403	0.0506412	0	0.083788	0	0.0786633	0	0.0578205	0.0450057	0	0	0	0	0	0	0.290909
LOC100506406	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100506422	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100506444	0.0143212	0	0	0.103309	0	0.0121943	0.032703	0	0	0.0359491	0	0.0204944	0	0.0149698	0
LOC100506472	0.330981	0.712883	0.703292	0.133753	0.624776	0.308725	0.457246	0.495586	0.041963	0.0814551	0.0366316	0.214785	0.0206422	0.253889	0.462187
LOC100506474	0.0952389	0.0172078	0.0492427	0	0.0184924	0	0.0951481	0.0846404	0	0.0298836	0.0134391	0.00851825	0.0153619	0.018666	0

LOC100506476	0.305752	0.929223	1.30361	0.702884	0.98641	0.200264	0.161122	0.522551	0.458303	0.177115	0.292055	0.0504862	0.0606983	0.0122922	0.303991
LOC100506497	0.155993	0.276587	0.170343	0.180045	0.0193848	0.10626	0.0569943	0.127543	0.0835918	0.0156629	0.0352192	0.0446467	0	0.0130446	0.08961
LOC100506544	0.475954	0.83696	0.88186	0.440433	0.357824	0.374994	0.684115	0.691018	0.1712	0.17159	0.111922	0.281698	0.137827	0.515936	0.865982
LOC100506548	4.52721	4.53787	5.07752	2.74147	1.95497	4.99253	2.93524	3.81137	1.52551	1.99136	2.16142	2.1681	2.00501	3.77519	1.79887
LOC100506551	0.655724	0.789384	0.703231	0.370626	0.590652	0.164186	0.698569	0.768066	0.0924574	0.185634	0.147243	0.467222	0.0434138	0.523972	0.685886
LOC100506585	0.0968779	0.316368	0.249338	0.266228	0.92799	0.224557	0.399432	0.210459	0.032774	0.452591	0.0911359	0.793314	0.118065	0.168775	0.656998
LOC100506606	1.33376	0.825416	0.691322	0.456415	0.224113	0.657452	0.443545	1.05073	0.106495	0.159689	0.177078	0.329113	0.13098	0.338996	0.3087
LOC100506639	1.80899	2.03853	1.48972	0.889579	1.13793	0.852907	2.11665	1.76711	0.218493	0.694274	0.904059	0.673932	0.393624	1.18093	2.42617
LOC100506675	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100506679	0.0765174	0.0804735	0.0820273	0.0595908	0.0414522	0.0443528	0.117626	0.0767348	0.0440785	0.0877067	0.104078	0.0468289	9.42E-43	0.0475019	0.0530103
LOC100506682	0.0241829	0.0233034	0	0	0	0	0.0552225	0.0214918	0	0	0	0	0	0	0
LOC100506688	0.019741	0.0158525	0.0108874	0.0135625	0	0.0672369	0.0150264	0.0350883	0	0.0166859	0.0519987	0	0	0.0171959	0.0661514
LOC100506691	0.114146	0.0412479	0.165251	0.147038	0.0886539	0.194387	0.228074	0.0507216	0.0347542	0.143265	0.386569	0	0.0184116	0.223716	0.450801
LOC100506725	0.0394596	0.114073	0.0326438	0.0406643	0.0919416	0.0671987	0.112634	0.087671	0.0240287	0.0247629	0.133635	0.0141172	0	0.0618699	0
LOC100506730	1.23615	1.54049	1.93762	0.574689	0.909557	1.03674	1.29467	1.47856	0.362225	0.326632	0.577072	0.724893	0.515716	0.680072	1.14792
LOC100506747	0	0.0238135	0	0	0.0191934	0	0.0282157	0.0219622	0.0300968	0.0155082	0.0697427	0.0353646	0.0159442	0.0322893	0.03549
LOC100506790	0	0.0287389	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100506801	0.395608	0.385552	0.401655	0.120452	0.586583	0.176083	0.595412	0.391536	0	0.203125	0.101498	0.160834	0.017403	0.418223	0.671441
LOC100506804	0.249809	0.300905	0.265706	0.0183883	0	0.182322	0.224105	0.174436	0	0.0447909	0.221574	0.127675	0.0805879	0.102584	0.0512511
LOC100506844	0.860829	0.526427	0.575189	0.887109	0.411435	1.6915	0.378026	0.47079	0.0806456	0.664879	2.42942	0.165832	0.277701	0.173041	0.285291
LOC100506858	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100506869	0	0	0	0	0	0.14009	0	0	0	0	0	0	0	0	0
LOC100506885	0.0931042	0.157007	0.214562	0.02056	0.0206604	0.0339759	0.356876	0.230499	0.0485959	0.00834681	0.0225221	0.0333093	0.00858148	0.00347574	0.0191013
LOC100506937	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100506985	1.33197	1.32937	1.27899	1.81384	0.0738934	0.911377	0.869031	2.05042	0.52142	1.58221	0.859219	0.748835	2.63953	0.969635	0.546538
LOC100506990	3.29581	6.37603	6.84856	1.80722	4.30663	1.9341	4.94536	4.28472	0.94924	1.46737	0.597049	1.7886	0.689656	1.0824	1.87089

LOC100507002	0.363677	0.366379	0.300859	0.170354	0.154068	0.19706	1.01921	0.176294	0.161061	0.37346	0.373223	0.141938	0.170649	0.172794	0.379844
LOC100507006	0.445059	0.314506	0.490912	0.183458	0.230443	0.252641	0.508154	0.448269	0	0.409636	0.468921	0.169841	0.268006	0.139564	0.0852214
LOC100507053	0.62834	0.559267	0.372991	0.444863	0.199199	0.820913	0.312159	0.375119	0.210297	0.252844	0.405653	0.326041	0.0928401	0.298316	0.365083
LOC100507065	0.0461201	0.00888854	0.00763075	0.00950561	0.0143281	0.0314165	0.0105317	0	0	0.0115771	0.0416511	0	0.0297564	0.0192835	0.0397406
LOC100507071	0.763945	0.84442	1.00375	0.277859	0.349021	0.612225	0.718322	0.798742	0	0.225607	0.304376	0.385852	0.115975	0.751569	1.16166
LOC100507144	0.10453	0.161166	0.190245	0.0215443	0.0649488	0.106808	0.0238699	0.185796	0	0.0262393	0.0708011	0.0299177	0.0944196	0.0874115	0
LOC100507156	0.259891	0.130015	0.12256	0.130972	0.189496	0.0995743	0.278705	0.156797	0.0257756	0.153116	0.131441	0.170365	0.0375944	0.648581	0.540581
LOC100507205	0	0	0	0	0	0	0	0	0	0.121281	0	0	0	0	0
LOC100507250	0.0669261	0.103187	0.143952	0.0275877	0	0.034192	0.0305656	0.071374	0	0.0503995	0	0.00957748	0.00863608	0.0559656	0
LOC100507283	0.0955009	0.0536828	0.0921726	0.0328055	0.123622	0.162636	0.0999532	0.0565822	0.00969245	0.0399545	0.0898405	0.0398612	0.0410778	0.0540724	0.114293
LOC100507291	0.42998	0.548394	1.19267	0.390977	0.275021	0.452269	0.606452	0.472044	0.585275	0.190472	0.685262	0.271467	0.244783	0.185069	0
LOC100507334	8.54E-12	1.84E-11	7.28E-08	0.068216	0	0.0497598	0.100173	7.36E-21	0	0.076698	0.11276	1.00E-11	2.82E-09	1.33E-07	4.80E-12
LOC100507346	0.417093	0.32628	0.326549	0.0845302	0.193581	0.0642029	0.597967	0.185324	0.0405642	0.0405866	0.0322056	0.0597779	0	0.062548	0.0169833
LOC100507351	0.426852	0.126562	0.131289	0.0733139	0.238018	0.312202	0.318662	0.131314	0.0333242	0.054948	0.0185332	0.0783139	0.0953318	0.111546	0.510845
LOC100507373	0.66656	1.08744	1.04948	0.734842	1.5757	1.22271	1.69596	1.02805	0.366939	0.25582	0.181782	0.861421	0.319642	0.814673	1.18941
LOC100507377	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100507384	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100507387	0.143597	0.438186	0.752359	0.049327	0	0.081514	0.546515	0.765702	0	0	0	0	0	0.0250167	0
LOC100507388	0.599938	0.407311	0.458711	0.0281024	0.0423596	0.1161	0.30098	0.290823	0	0.0456354	0.0205229	0.0260165	0	0.0665114	0.456902
LOC100507389	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100507412	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100507437	0.160919	0.0634362	0.0242043	0.075378	0.318134	0.386148	0.0668116	0.0780061	0.0178165	0.0550826	0.148629	0.0209349	0.113263	0.0841032	0.168073
LOC100507443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100507464	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100507468	0.0103087	0.0198676	0.0426405	0	0	0.0175555	0	0	0	0	0	0	0	0	0
LOC100507472	0.146475	0.233437	0.158459	0.150947	0.490057	0.153503	0.257293	0.190255	0.192112	0.127275	0.0890357	0.395041	0.036348	0.24144	0.404532

LOC100996325	0.0222102	0.0856098	0.0183739	0	0.0345001	0	0.0253589	0.0197386	0	0	0	0	0	0	0
LOC100996335	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100996349	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC100996351	0.102205	0.157426	0.184594	0.304303	0.459302	0.13814	0.199174	0.290392	0.147936	0.280395	0.0343977	0.471518	0.189307	0.530073	0.103855
LOC100996385	0.074655	0.014388	0.0494079	0	0.023193	0	0	0.092886	0	0	0	0	0	0.0156072	0.0643284
LOC100996419	0.522024	0.396333	0.405682	0.195622	0.319439	0.444496	0.307046	0.267112	0.0963282	0.13898	0.250006	0.0905508	0.0510314	0.165353	0.0908718
LOC100996437	1.28877	1.5854	1.61059	1.18683	2.38525	0.793844	2.44203	1.31594	0.467534	1.1013	0	2.41329	0.176917	2.32166	0.826971
LOC100996447	0.536241	0.367156	0.455291	0.523528	0.0219202	0.384507	0.225571	0.163036	0.137491	0.265673	0.414187	0.141361	0.127466	0.258137	0.303991
LOC100996455	0.0294691	0	0.0081263	0.0202458	0.0152586	0.158919	0.0224312	0	0	0.0246578	0.0332669	0.00702864	0.0570399	0.0359376	0.0282142
LOC100996583	0.0663125	0.0159752	0.219433	0.0341685	0.154509	0.169393	0.0757134	0.0294665	0	0	0	0.0237242	0.0427845	0.0866445	0.380932
LOC100996635	0.125173	0.0402068	0.0345172	0	0.0216041	0.213166	0.0635192	0.0865224	0	0.0174561	0.0157005	0	0	0	0
LOC100996654	0	0	0	0	0	0.062758	0	0.032751	0	0	0	0	0	0	0
LOC100996664	0.235527	0.207225	0.296502	0.0316587	0.174974	0.0959142	0.187072	0.391331	0.0124715	0.0514105	0.04624	0.0293088	0.013214	0.0321121	0.0735317
LOC100996671	0	0.0346294	0.0198194	0.024689	0	0.0407992	0	0.0212915	0	0	0	0	0	0	0.240843
LOC100996693	0	0.0410454	0	0	0.132328	0.459404	0.129688	0.0252363	0.0691672	0.106921	0.0961679	0	0	0.0148412	0
LOC100996724	1.23588	1.20584	1.61956	0.412667	0.652498	0.450427	1.11678	0.66851	0.1204	0.267736	0.165922	0.103236	0.0682136	0.633598	1.13471
LOC100996740	2.22452	2.0274	1.68508	1.51908	5.16236	2.32775	1.68306	1.04803	0.391694	0.857784	1.75482	0.594492	0.786793	0.742403	1.1932
LOC100996842	1.02512	1.29791	1.45556	1.16254	3.0626	1.53076	1.11404	0.831262	1.63224	1.33827	1.46544	1.53508	1.10259	1.03548	1.0709
LOC101059915	0	0.0121799	0.0104563	0	0	0.0322873	0.0144315	0.011233	0	0.015864	0.0713425	0	0	0.03303	0
LOC101059948	0.141116	0.022664	0.116741	0	0	0	0.0537073	0.0836082	0	0.0590384	0.0531009	0.13463	0.121397	0	0
LOC101060391	0.0924489	0.356346	0.433388	0.698656	0.335079	0.655992	0.0351851	0.219096	0	0.309421	0.347878	0.0220499	0.0795301	0.531496	0.398305
LOC101060524	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101060553	0.335407	0.156126	0.103464	0.117168	0.0706444	0.135536	0.194724	0.207141	0.0484646	0.0570806	0.064175	0.0569473	0.091696	0.216894	0.285746
LOC101241902	0.500145	1.10265	1.2538	0.421702	0.188339	0.141955	0.622962	1.22571	0.129207	0.190222	0.1882	0.173511	0.136899	0.150502	0.174126
LOC101409256	0.0713924	0.131859	0.0689043	0.073572	0.0184829	0.0101316	0.0135856	0.105746	0.0579653	0	0	0.0595971	0	0.0808444	0.119617
LOC101448202	0.347815	0.27071	0.55334	0.248146	0.540276	0.182252	0.733151	0.499329	0.0325845	0.235062	0.211421	0.172295	0.0690487	0.755099	1.69063

LOC101559451	0	0.0472486	0	0.101058	0	0	0	0.0435755	0.238861	0.12308	0.166053	0.0350836	0	0.0256262	0
LOC101593348	0.257528	0.144691	0.195446	0.152631	0.142482	0.0594746	0.125889	0.114995	0.060303	0.0991663	0.0555628	0.0424415	0.0190537	0.0823178	0.0282742
LOC101926889	1.18738	1.14332	0.980836	0.467335	0.635826	0.545543	1.07073	1.01138	0.347932	0.303189	0.191667	0.541297	0.15098	0.786413	0.718112
LOC101926892	0.0195548	0.042398	0.0323541	0	0.106314	0.0166506	0.022327	0.026068	0.0238155	0.0122716	0	0	0.0378499	0.0919815	0.0842493
LOC101926898	73.4043	68.7956	70.4512	35.9255	18.264	19.4443	46.9514	66.6567	14.193	23.09	12.259	39.0347	6.23293	48.8287	45.4762
LOC101926905	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101926908	0.0403189	0.00647542	0	0	0	0	0.0767247	0.011944	0	0	0	0	0	0	0
LOC101926913	0	0	0.0325605	0	0	0	0	0	0	0	0	0	0.0253942	0	0
LOC101926915	0.887312	0.240473	0.271497	0.125703	0.0787567	0.0724485	0.472849	0.475946	0.0148034	0.0610229	0.0205822	0.109203	0.00784232	0.142936	0.410218
LOC101926933	0.249745	0.340938	0.241041	0.25737	0	0.106327	0.190101	0.0739842	0.0506936	0.208971	0	0.119133	0	0.0652639	0.597776
LOC101926934	0.0320428	0.0916996	0.0629788	0.0392263	0.380762	0	0.191097	0.0676566	0	0	0	0	0	0.019894	0
LOC101926935	0.865179	1.4179	1.3033	0.285759	1.0124	0.301756	1.09483	1.04442	0.135169	0.0893278	0.0835552	0.400675	0.0594229	0.320592	0.338607
LOC101926942	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101926943	0.794254	1.19108	1.19791	0.813356	0.528288	0.411203	1.08714	1.20197	0.378987	0.394226	0.128632	0.99041	0.0178801	1.04556	0.733946
LOC101926944	0.0876631	0.0422374	0.181303	0.0451697	0	0.149288	0.0500454	0.0779076	0	0	0	0	0	0.0458166	0
LOC101926948	0	0.0821629	0.161226	0	0.0378412	0.124459	0.0278147	0	0.148345	0	0.0550013	0.017431	0	0.0254644	0
LOC101926960	0.0568905	0	0	0	0	0.125948	0	0.0101119	0	0	0	0	0.00734109	0	0
LOC101926962	0.0936424	0.0322274	0.0221336	0	0	0.0227815	0.030548	0.0713328	0	0.0335802	0	0.0191439	0	0.0769082	0.153694
LOC101926963	0.0529994	0.178751	0.0876896	0.273087	0.192095	0.406154	0.282394	0.109903	0	0.509984	0.917388	0.126408	0.193771	0.276998	0.583539
LOC101926964	0.0592399	0.042814	0.0735111	0	0.0153367	0.058849	0.0450921	0.0263237	0	0	0.0222915	0.0211939	0.00637021	0.139326	0.042538
LOC101926968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927000	0.0404599	0.155953	0.0669425	0	0.125696	0.137804	0.0461958	0.0719147	0	0	0	0	0	0.0422922	0.0581055
LOC101927018	0.509011	0.572249	0.533381	0.454611	0.474402	0.375628	0.813642	1.20631	0.0826558	0.298135	0.0383074	0.169965	0.0875764	0.798095	1.55948
LOC101927020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927021	0.428717	0.390993	0.379998	0.528588	0.285405	1.0104	0.839134	0.285756	0.0932373	0.374737	1.0025	0.410837	0.493939	0.212063	0.373813
LOC101927023	0.7161	0.282296	0.188494	0.301894	0.101123	0.0554318	0.111494	0.231422	0.0396422	0.285975	0.14698	0.232904	0.126007	0.204145	0.560951

LOC101927027	1.10641	0.863966	1.1678	1.24241	0.426696	1.58532	0.932201	1.17994	0.315962	1.01516	1.73999	0.485919	0.787697	1.02092	1.9944
LOC101927040	0.0109268	0.00526472	0.00903945	0.0225209	0.101839	0.0186081	0.0249518	0.00971087	0	0	0	0.00781845	0.00704994	0.00571084	0.0156923
LOC101927043	0.0336749	0.0202813	0.0139291	0.00867573	0.0523087	0	0.0288367	0.052373	0	0	0	0	0.0162951	0.00439999	0.0120903
LOC101927045	0.404675	0.500621	0.570024	0.710077	0.42473	0.670526	0.287217	0.534603	0.386287	0.521636	0.580295	0.344337	0.366944	0.497313	0.376972
LOC101927048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927050	0	0	0	0	0	0.0342118	0	0	0	0	0	0.0287491	0	0	0
LOC101927051	0.185795	0.556671	0.482663	0.224118	0.634761	0.411572	0.272781	0.339232	0.167315	0.286105	0.0858143	0.649655	0.129787	0.559186	0.626211
LOC101927053	0	0.00986785	0.00847149	0	0	0.0174389	0.011692	0	0	0	0	0	0	0	0
LOC101927055	0	0.00586873	0	0.0124139	1.01E-32	0.0100746	0	0	0	0	0.0139562	0	0	0	0.0190535
LOC101927056	0.55241	0.78447	0.913984	0.269656	0.180649	0.247563	0.564331	0.465097	0.318682	0.693331	0.0984634	0.228837	0	0.850945	0.584559
LOC101927066	0.219118	0.110602	0.189902	0.0537637	0.0324158	0.0533075	0.119134	0.222553	0	0.039288	0.0706735	0.0223978	0	0.0818005	0.194803
LOC101927069	0.302047	0.0953478	0.155095	0.128801	0.0808937	0.434561	0.142704	0.222152	0.253696	0.562114	0.188123	0.335363	0.134399	0.326613	0.373946
LOC101927070	0.098388	0.0210688	0.0271312	0.0675945	0.101887	0.158244	0.0249636	0.0582927	0	0.109766	0.246817	0	0.00705327	0.0114271	0.0156997
LOC101927078	0.0113837	0	0.0188348	0.0117312	0	0	0	0.0101169	0	0.0142877	0.0257015	0	0	0	0.0163484
LOC101927079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0925803
LOC101927082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927100	0.613588	0.401555	0.407412	0.114938	0.512304	0.371356	0.519584	0.40967	7.29E-19	0.287121	0.672066	0.0534298	0.0238967	0.232579	0.62404
LOC101927120	0	0.00384373	0.00659964	0	0	0.00679283	0	0	0	0	0	0	0	0	0
LOC101927124	0.248029	0.165468	0.268322	0.0983083	0	0.0324914	0.196056	0.25434	0.116182	0.143678	0.0861521	0.109213	0	0.189461	0.0274001
LOC101927131	0.0203098	0.0293568	0.0840086	0.0209299	0.0630964	0.0172936	0.0927564	0.0541491	0.0123675	0.165691	0.0114636	0.0290645	0.0196557	0.026537	0.189589
LOC101927136	0	0.00631587	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927138	0	0.0281228	0.0241432	0	0.0679997	0	0	0	0	0	0	0	0	0	0
LOC101927139	0.101505	0.0733597	0.0839718	0	0	0	0	0.0451044	0	0	0	0	0	0	0
LOC101927141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927142	0.510288	0.130164	0.0744964	0.247467	0.233133	0.153354	0.205634	0.373472	0	0.0753487	0	0.128867	0	0.345139	0
LOC101927143	0.146661	1.13061	2.13537	0.12091	0.956822	0.0249759	0.401886	0.338883	0.0357232	0	0.0331123	0.167903	0	0.0766513	0

LOC101927354	0.0912341	0.043958	0	0.0626796	0	0.0517898	0.0694454	0.0810813	0.0370376	0	0.0686613	0.0217601	0.0196213	0.0158943	0
LOC101927356	0.165869	0.058887	0.0722202	0.0539787	0.0271212	0.0223003	0.0996755	0.0931013	0	0.0547848	0.07884	0.0437255	0.00563251	0.0410638	0.0501491
LOC101927357	0.0267963	0	0.0147785	0	0	0.00760556	0	0.0158762	0	0	0.0100832	0	0	0	0.0384828
LOC101927358	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927359	0	0	0	0	0	0.020949	0.0280907	0	0	0	0	0	0	0	0.0117776
LOC101927365	1.7925	1.83542	1.85769	0.546132	0.640678	0.860442	1.30812	2.06376	0.418599	0.667553	0.79061	0.557448	0.354815	0.9606	2.244
LOC101927374	14.9409	12.8962	13.635	6.38586	3.01534	3.34471	7.58691	13.4184	1.90942	5.40175	1.52743	6.43021	1.00299	8.72849	8.01599
LOC101927377	0.70402	0.561234	0.508289	0.34297	0.437434	0.66486	0.438451	0.568795	0.124715	0.30525	0.1734	0.283929	0.0495524	0.314431	0.349276
LOC101927378	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927391	0.470348	0.383868	0.285873	0.108812	0.0447314	0.130774	0.175356	0.605683	0.339023	0.0843336	0.0758521	0.233522	0.0867046	0.0802692	0.0137853
LOC101927394	0.10351	0.0249363	0.0784947	0	0	0.0220343	0.00984867	0.0229977	0	0.0108263	0	0	0	0	0
LOC101927402	0.27061	0.544212	0.63267	0.278872	0.109657	0.370677	0.161204	0.271865	0.229268	0.413479	0.491433	0.286234	0.379557	0.147582	0.0337939
LOC101927410	0	0.0125078	0.0107378	0.00668805	0.0100811	0.00552608	0	0.0057677	0	0	0	0.00928742	0	0	0
LOC101927415	0.219839	0.44776	0.438132	0.123573	0.155221	0.144647	0.296642	0.426272	0.0243399	0.100335	0.045122	0.128701	0.058025	0.224572	0.473575
LOC101927417	0.00979599	0.0250819	0.0530937	0.0251629	0.0145999	0.116533	0.042455	0.0224348	0	0.0280015	0.116726	0.00532117	0.0191925	0.0657919	0.35657
LOC101927418	0.223604	0	0.138736	0.0576077	0	0.190396	0.0638261	0.0496802	0	0	0.315527	0.0399987	0	0	0
LOC101927419	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927420	0.0944614	0.0568912	0.175827	0.0730089	0.0366828	0.120649	0.188743	0.0419747	0.0575217	0.0592794	0.243581	0	0	0.0617121	0.339146
LOC101927421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927429	0	0	0	0	0	4.31E-17	0	0	0	0	0	3.62E-17	0	0	0
LOC101927434	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927437	0.0426207	0.0205353	0	0.0439219	0	0	0	0	0	0	0	0.0609925	0	0.0222754	0
LOC101927446	0	0.0167302	0	0	0	0	0.00991147	0	0	0	0.0101203	0	0	0	0
LOC101927447	0	0	0	0	0	0.0100541	0	0.0209874	0	0	0	0	0	0.00617121	0
LOC101927450	0.0095514	0	0	0	0	0	0	0	0	0	0	0.00683428	0	0	0
LOC101927468	0.312078	0.110794	0.149469	0.0507798	0.204112	0.181816	0.243798	0.189765	0	0.144307	0.352297	0.0587632	0.0529872	0.034338	0.566127

LOC101927472	0.793476	1.2425	0.929927	0.783629	1.64339	0.337817	0.79272	0.734558	1.08716	1.70132	0.186612	5.06247	0.447953	1.29595	1.4719
LOC101927476	0.0231353	0.0222939	0.0574176	0.0556305	0.0120398	0.118197	0.0352202	0.0342679	0.0281762	0.0774326	0.0348226	0.0463425	0.0447804	0.0728017	0.0221502
LOC101927478	0	0.0233767	0	0	0	0	0.0553962	0	0.0590894	0	0.0547707	0	0	0	0
LOC101927480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927482	0.246366	0.237406	0.165597	0.222152	0.0717548	0.0524445	0.228551	0.246319	0.0187529	0.231911	0.382411	0.176282	0.0794772	0.217286	0.06634
LOC101927488	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0183266	0
LOC101927495	0.0296073	0.0332856	0.0163288	0	0.0153301	0.0588239	0.0450729	0.0789376	0	0.0123867	0.033423	0	0	0	0
LOC101927497	0.108272	0.0130417	0	0.0557885	0	0.11524	0.154526	0.0240557	0	0.135892	0	0.0581034	0	0.0141469	0
LOC101927502	0.0159828	0.0539052	0.0132221	0.0164707	0.0248268	0.0136091	0.12774	0.0426125	0	0	0	0	0	0	0
LOC101927503	0	0	0.0158097	0.0196941	0	0.032545	0.0436399	0.050952	0	0	0	0	0	0	0
LOC101927513	0	0.0158503	0	0	0	0	0.0187804	0	0	0	0	0	0	0	0
LOC101927516	1.65243	1.81301	2.15453	0.85144	1.38105	0.46646	1.27147	2.5061	0.240622	0.698839	0.081104	1.27232	0.127473	1.04199	0.502995
LOC101927523	0	0.0110076	0	0.0235435	0	0.0389062	0	0	0	0	0	0	0	0.0119403	0
LOC101927539	0.21444	0.262275	0.327508	0	0.256231	0.0421369	0.207173	0.278535	0.0200895	0.0414069	0.0558638	0.177044	0	0.146561	0.0710685
LOC101927543	0.527845	0.327795	0.368744	0.0483519	0.273308	0.109866	0.482141	0.562925	0.0285713	0.0588888	0.0264831	0.0755374	0.0227042	0.392355	0.555904
LOC101927549	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927550	1.20864	1.23952	1.64838	0.907104	1.46165	0.546734	1.30815	1.05722	0.189431	0.724187	0.180452	0.694377	0.321097	0.85597	0.850616
LOC101927551	0	0.0136567	0	0	0.0440284	0.0362021	0.0161813	0.012595	0	0	0	0.0101405	0	0.0444418	0.0610588
LOC101927557	0.328853	0.198058	0.102019	0	0	0.0350018	0.281606	0.109597	0	0	0	0.0882387	0	0.0429683	0
LOC101927560	0.139486	0.352834	0.336562	0.203638	0.325005	0.0890779	0.265434	0.196276	0.028313	0.0145891	0.118097	0.099806	0.00749964	0.0668264	0.0166933
LOC101927571	0.133389	0.128538	0.386222	0	0	0.170369	0.1523	0.177818	0	0	0	0.0477218	0.258186	0	0
LOC101927572	0.26939	0.306791	0.364677	0.075713	0.190207	0.271088	0.363505	0.174117	0.0894782	0.0922124	0.0829385	0.070093	0.0632033	0.166394	0.140683
LOC101927575	0	0.00555036	0.0095299	0	0	0	0	0.0102377	0	0.0144584	0	0	0	0	0
LOC101927583	0.0651802	0.0240147	0.0467773	1.08E-34	0.267602	0.151674	0.0974882	0.0199856	0	0.0329712	0.0628335	0.00854759	0	0.0475505	0.0921462
LOC101927588	0.0393924	0.0189799	0.0162941	0.0202975	0	0.0335421	0	0	0.0239878	0.0247208	0.0889383	0.0140932	0	0.0514705	0
LOC101927596	0.203455	0.024507	0.0420782	0	0.0790091	0	0	0.135611	0	0.0638394	0	0	0	0.0531673	0.0730469

LOC101927604	0	0	0.0964512	0	0	0.124093	0.0332796	0.0259038	0	0	0	0	0.0752231	0.0304674	0
LOC101927620	0.150559	0.0414523	0.0533798	0.0886602	0	0.0549424	0.122788	0.0382298	0	0.0809858	0.0242803	0.0307797	0.0138771	0.0337237	0.0308888
LOC101927623	0.00947709	0.0136986	0.00784012	0	0	0.00806962	0	0.0168449	0	0	0.0106985	0	0	0.0148594	0
LOC101927630	0.0523598	0.0252278	0.216579	0.161875	0	0	0	0	0	0.131434	0.118215	0.0374649	0.236476	0.273655	0.451172
LOC101927635	0.0356596	0.0859066	0.0295001	0	0	0	0.122145	0.0316912	0.217147	0	0	0.0510307	0	0.111823	0.102423
LOC101927636	0.0889433	0.119992	0.161876	0.0183317	0	0.0151468	0.0812421	0.189709	0	0.0223266	0.0200812	0.0127283	0.0229543	0.0185943	0.153281
LOC101927640	0.172709	0.041607	0.0714387	0.0444955	0	0	0.0492985	0	0	0	0	0	0.139289	0.0451327	0
LOC101927657	0	0	0	0	0	0	0	0	0	0	0.0183983	0	0	0	0
LOC101927661	0	0	0	0	0	0	0.0497627	0	0	0	0	0	0	0	0
LOC101927666	0	0	0.0125278	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927668	0.029293	0.0283561	0.0245269	0	0	0	0	0	0.107418	0	0	0	0	0	0
LOC101927690	0.0103967	0	0.00860088	0.0214282	0.0161497	0.00885265	0	0	0	0.0521957	0.117366	0	0	0.0217351	0.14931
LOC101927691	0.0192138	0.0324013	0.00794751	0	0	0	0.0219377	0	0	0.036173	0	0	0	0.00502099	0
LOC101927692	0.107054	0.0281346	0.0241534	0.0200585	0	0.124302	0.0222237	0.0518947	0	0	0	0.00696361	0	0.0508645	0.209649
LOC101927699	1.22458	1.67738	1.14188	0.410825	1.78522	3.26474	2.25891	1.33574	0.3905	0.173242	0.360325	0.274345	0.0494757	0.171041	0.39281
LOC101927708	1.32132	2.14139	1.9543	0.453885	1.61709	0.136374	1.14291	1.63687	0.0975281	0.201017	0.0904001	0.458394	0	0.355752	1.38006
LOC101927709	0	0.00955499	0.0164058	0	0.0308048	0	0.0226427	0.0176244	0.0241522	0.0248902	0	0.0425693	0	0.0103647	0
LOC101927727	1.12893	1.07427	0.817189	0.581697	0.964489	0.480634	0.547814	1.02838	0.240609	0.673038	0.541629	1.02992	0.0728379	1.48982	1.98607
LOC101927730	0.222446	0.0352385	0.0296179	0	0.112958	0.0951663	0.0410406	0	0	0.0934477	0.042413	0.0514206	0	0.0190703	0.362167
LOC101927746	0.337547	0.376094	0.174527	1.41315	0.229393	0.664651	0.1927	0.243737	0.282627	0.52957	0.428679	0.483047	2.3684	0.826953	0.272677
LOC101927751	0.417435	0.422106	0.436931	0.941885	0.507372	0.47606	0.498898	0.432508	0.0855055	0.807909	0.266709	0.808502	0.790697	1.12708	0.53576
LOC101927752	2.83417	1.32653	1.37998	1.86925	2.54084	4.0405	2.18197	2.13017	3.6884	2.64248	5.88695	1.69187	2.16297	1.39662	1.37225
LOC101927759	0.298388	0.234652	0.265911	0.231871	0.349506	0.109478	0.2569	0.142831	0.156587	0.201715	0.253999	0.206993	0.186647	0.224159	0.646262
LOC101927762	0	0.0273972	0.0470407	0	0	0	0	0.0505347	0	0	0	0.0406867	0	0	0
LOC101927765	0.783489	0.529123	0.775166	0.37265	0.327662	0.744438	0.244097	0.642792	0.258744	0.378215	0.986515	0.107809	0.155539	0.314989	0.0432765
LOC101927769	0	0	0	0	0	0	0	0.0182986	0	0	0	0	0	0	0

LOC101927770	0.487347	0.778886	0.629335	0.489976	0.498524	0.344121	0.597152	0.834536	0.130288	0.343132	0.322042	0.31469	0.299096	0.782764	0.870598
LOC101927787	0.117991	0.105578	0.083666	0.0521113	0.0785488	0.215288	0.365663	0.0449402	0.205285	0.169246	0.0761125	0.711587	0.163129	0.0792863	0.0242071
LOC101927793	0.133553	0.580313	0.497798	0.100295	0.770365	0.122247	0.350724	0.13783	0.284828	0.102787	0.0787255	0.25815	0.0465217	0.08711	0.250641
LOC101927795	0.131944	0.0686132	0.087323	0.277209	0.0914379	0.04559	0.18078	0.0469045	0.129785	0.10021	0.0301977	0.172157	0.0343412	0.159588	0.265284
LOC101927798	0	0	0.0183915	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927809	0.352432	0.283012	0.592092	0.413181	0.191909	0.782157	0.228416	0.313212	0.243558	0.448434	1.32867	0.308214	0.0256751	0.376454	1.19999
LOC101927811	0.407359	0.184661	0.296684	0.13277	0.0414345	0.246176	0.235558	0.226266	0.124029	0	0.7831	0.145738	0.280816	0.146371	0.0821064
LOC101927814	0.0694465	0.0334604	0.0143628	0.0715666	0.0269686	0.0295664	0.0198229	0.0617183	0.042289	0.108953	0.0391982	0.0248454	0.0112016	0	0
LOC101927815	0.0553662	0.0622446	0.0534366	0.0190188	0	0.031429	0.0526794	0.0574056	0	0.0115817	0.0104169	0.0132053	0.00595366	0	0
LOC101927817	0.964294	1.07654	1.47872	0.448392	0.949877	0.31041	1.16813	1.05555	0.128898	0.649423	0.199128	1.18642	0.0682856	1.31527	0.962638
LOC101927822	0	0	0	0.0409787	0	0	0	0	0	0	0	0	0	0	0
LOC101927827	0.768139	1.06906	1.03795	0.177595	0.100385	0.134512	0.270553	1.17289	0.0787064	0.171235	0.048636	0.235523	0.0231644	0.284428	0.0721857
LOC101927829	0.0113391	0.0218534	0.018761	0.0116852	0	0.0193101	0	0.0302317	0	0	0	0.0162268	0	0.0059263	0
LOC101927830	0.108781	0.117927	0.064681	0.0385349	0.0264021	0.0549962	0.0582197	0.0966751	0.00414008	0.0255995	0.0422124	0.0121618	0	0.0870568	0.0244098
LOC101927839	0.617581	0.626442	0.833585	0.267973	0.807846	0.0830309	0.668022	0.69329	0.11876	0.32637	0	1.02334	0.0209716	1.01929	0.560163
LOC101927844	0.0200895	0.00967941	0.0498582	0	0.0624117	0	0	0	0	0	0.0226785	0.0143745	0	0	0.144255
LOC101927845	0	0	0	0	0	0	0	0	0	0	0	0.015801	0	0	0
LOC101927847	0	0	0	0	0.0677008	0	0	0	0.106161	0	0	0	0	0	0
LOC101927851	0	0.0376712	0.0431206	0.0805729	0	0.0221914	0.0595135	0	0	0.0327105	0.147104	0	0.0840753	0.0136211	0
LOC101927854	1.36771	0.832399	0.83371	0.259638	0.111817	0.337117	0.780802	0.7357	0.394511	0.180696	0.325047	0.695343	0.0928882	0.0940557	0.103379
LOC101927855	0.261799	0.277505	0.0433158	0.0539583	0.162666	0.0445837	0.179348	0.232665	0	0.065717	0	0.149859	0	0	0
LOC101927859	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927865	0.15403	0.0927677	0.127425	0.0396832	0.119631	0.557408	0.307767	0.136889	0	0.048331	0	0.0551064	0.0496898	0.14088	0
LOC101927870	0.0169857	0.0327359	0.0421554	0.00875214	0.0131923	0.0144631	0.0872719	0.120764	0	0	0	0.0121537	0.0219182	0	0
LOC101927877	0	0	0	0.0131839	0	0	0.014607	0	0	0	0	0	0	0	0
LOC101927880	0.0948132	0.249177	0.349398	0.151003	0.107111	0.645858	0.137779	0.122563	0.0629847	0.216364	0.360018	0.0185022	0.155713	0.0855925	0.0990282

LOC101927881	0.670653	0.744862	0.781986	0.471529	0.871502	0.202941	0.778129	0.501541	0.206677	0.258712	0.33383	0.415085	0.0547453	0.474868	0.467898
LOC101927884	0.11718	0.178787	0.129253	0.301894	0.182021	0.0665182	0.133792	0.10414	0.0237853	0.0980486	0.264563	0.0419227	0	0.357253	0.392666
LOC101927895	0.557983	0.603027	0.425887	0.230594	0.823849	0.308574	0.569176	0.544735	0.437614	0.129015	0.113194	0.0736466	0.121886	0.26329	0.5804
LOC101927907	0	0	0	0	0	0	0.0265035	0	0	0	0	0	0	0	0
LOC101927908	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927911	0.137526	0.0569135	0.0977198	0.0282716	0.156414	0.100782	0.0625702	0.202771	0	0.14905	0.0102574	0.110527	0	0.14298	0
LOC101927914	0.0114315	0.156974	0.151311	0.0412317	0.23972	0.0632695	0.241464	0.106673	0.104417	0.136303	0.0258095	0.35172	0.00368777	0.0896189	0.205213
LOC101927915	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927919	0.0281033	0.0541624	0	0	0	0	0	0.0124879	0.0342266	0.0352725	0	0	0.0181321	0.044064	0
LOC101927932	0.0677688	0.0979562	0.168189	0.0349189	0	0.0288521	0.0773762	0.120455	0.0412674	0.0425284	0.0382513	0	0.021862	0	0
LOC101927948	0	0	0	0	0	0	0.0718694	0	0	0	0	0	0	0	0
LOC101927950	0.518128	0.527022	0.523884	0.118655	0.760119	0.19608	0.591582	0.434887	0.140227	0.144512	0.0649891	0.391331	0	0.541593	0.248032
LOC101927954	0.307184	0.294934	0.279848	0.227157	0.542168	0.294481	0.305129	0.331087	0.135255	0.728739	0.0442061	0.638717	0.0586161	0.752716	0.552438
LOC101927960	0	0	0.0171248	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927964	0	0.014627	0.00837148	0.031285	0	0.0516992	0.011554	0.0359731	0	0	0.0456941	0	0	0	0
LOC101927967	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927969	0.795579	0.177358	0.216112	0.0611842	0.202894	0.202217	0.528751	0.232164	0.0433848	0.0447105	0	0.0849639	0	0.124121	0.699174
LOC101927972	0.844637	0.813918	0.73368	1.74085	0.721607	0.863037	0.91616	1.0509	2.77742	1.16612	3.14652	1.54112	0.24523	0.949105	0.485202
LOC101927974	0.152508	0.146961	0.142342	0.353618	0.41457	0.228006	0.174128	0.135536	0.395255	0.191417	0.645609	0.136404	0.430488	0.219195	0.10951
LOC101927987	0.069187	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101927989	0.251345	0.409883	0.495833	0.697356	1.02111	0.312794	0.154526	0.58421	0.37675	0.315463	0.371041	0.456527	0.237012	0.434511	0.832991
LOC101928000	0.583438	0.603823	0.0840978	0.701555	0.180929	0.786584	0.327809	0.339228	0.236854	0.945675	0.727883	0.254191	0.277676	0.533628	0.418946
LOC101928008	0.316486	0.514647	0.39273	0.122306	0.122903	0.168427	0.271015	0.562533	0.0963611	0.148959	0.178637	0.0849204	0	0.310143	0.568143
LOC101928009	0.0410702	0.0742059	0.118917	0.063486	0.0637962	0.026228	0.0351695	0.0821245	0.0750283	0.0386605	0	0.0881605	0.00662457	0.0268313	0
LOC101928012	0.0197466	0.0190285	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928020	1.72597	2.05369	2.48321	0.897066	0.48958	0.587857	1.04531	1.73398	0.164508	0.207209	0.220255	0.536948	0.426069	0.737343	1.05615

LOC101928021	0.136136	0.131184	0.0225242	0	0.296052	0.115918	0.124348	0.120986	0.0994787	0.0683457	0.0614721	0.0194817	0.0351336	0.0711504	0
LOC101928030	0	0.138518	0.237833	0	0.223287	0	0	0	0	0	0	0.0514269	0	0.0375639	0
LOC101928034	0.915732	0.826273	0.812653	0.960847	0.750018	1.43188	0.513272	0.429109	0.182497	1.56728	0.357113	1.10794	0.300784	1.23566	0.502132
LOC101928035	0	0	0	0	0	0	0.027354	0	0	0	0	0	0	0	0
LOC101928042	0.657707	1.06951	0.782146	0.381254	0.127706	0.245012	1.36109	0.913305	0.100127	0.0515931	0.32483	0.294129	0.159131	0.343746	0.118069
LOC101928048	0	0.0292669	0.100502	0	0	0	0	0.0539832	0	0	0	0	0	0	0.0872345
LOC101928052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928053	0.0297341	0.138488	0.163988	0	0.0153958	0.084394	0.0113165	0.0792756	0.0120709	0.0124398	0	0.0212756	0	0.0155403	0
LOC101928058	0.114075	0.0137408	0.0235928	0	0.0221498	0.133559	0.146529	0.0126726	0	0.0357941	0.0321942	0.030609	0	0.0074526	0.102392
LOC101928063	0.0672257	0.0460628	0.0638341	0.0391316	8.17E-37	0.0124138	0.015801	0.015259	3.98E-21	0.0395054	0.200719	1.71E-26	1.13E-25	0.0255789	0.114842
LOC101928068	0.598149	0.283726	0.443588	0.103608	0.237975	0.0693012	0.25841	0.465331	0.0478965	0.0486568	0.0918774	0.0616613	0.0185334	0.110096	0.247519
LOC101928069	0.464897	0.317729	0.238245	0.262189	0.271793	0.397824	0.263536	0.21062	0.0674151	0.359552	0.261744	0.196529	0.0180649	0.237166	0.088355
LOC101928075	0.00786911	0.0113744	0.0195296	0.0892028	0.0244469	0.0134009	0	0.0139868	0.0191674	0.108642	0.0532995	0.0450445	0.147236	0.0616911	0
LOC101928087	0.0461017	0	0	0	0	0	0.0526374	0.163885	0	0	0	0	0	0	0
LOC101928093	0.0905204	0.130842	0.124808	0	0.0937396	0.0513846	0.137804	0.080447	0.146992	0.227225	0.17031	0.12954	0	0.0473099	0
LOC101928098	0.190043	0.193305	0.209623	0.0435211	0	0.0359599	0.144657	0.168895	0.0514336	0.0265027	0	0.090654	0	0.0772527	0
LOC101928100	0.196266	0.315213	0.250313	0.75004	0.101623	0.53617	0.177405	0.203496	0.229071	0.297654	0.618522	0.140434	0.247984	0.222251	0.187909
LOC101928103	0.630235	0.766609	0.68377	0.59624	0.0802436	0.140757	0.412875	1.44157	0.402652	0.518695	0.198275	1.1976	0.173315	0.642577	0.163214
LOC101928105	0.0987612	0.111031	0.0817023	0.135702	0	0.0840939	0.15035	0.146285	0.0400934	0.0413185	0	0.117777	0.12744	0.309702	0.189112
LOC101928107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928111	0.216628	0.330519	0.388288	0.297655	0.560829	0.491882	0.371008	0.320868	1.18723	0.135945	0.570606	0.335839	0.0232945	0.320787	0.103702
LOC101928118	0.479089	0.299434	0.397732	0.149575	0.188977	0.153317	0.348983	0.31877	0.0812276	0.0469825	0.160121	0.134558	0	0.284765	0.255354
LOC101928119	0.807044	1.11978	0.962467	0.447669	1.43392	0.50925	1.06638	1.00377	0.0793589	0.408919	0.135611	1.04905	0.0560555	1.05574	0.857813
LOC101928120	0.683471	1.00707	0.788961	0.82482	2.0829	1.09203	1.21385	0.602251	0.734302	1.06292	0.978341	0.515649	0.57618	0.81921	0.885126
LOC101928123	0.766611	0.867666	0.460392	0.895234	3.42884	0.798524	0.871524	0.3392	0.500196	1.50314	1.07622	1.52018	1.55886	1.08508	1.05265
LOC101928126	0	0.285158	0.287015	0.273408	0.221908	0.260661	0.116508	0.126961	0.0248551	0.0768437	0.138231	0.102219	0.105339	0.149328	0.205163

LOC101928128	0	0.0307181	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928134	0.165308	0.0398238	0.0341885	0	0	0	0.188743	0	0	0.155608	0	0	0	0	0.0593506
LOC101928135	0	0.0429698	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928140	0.484538	0.337899	0.369198	0.223385	0.0792268	0.0760011	0.189263	0.419285	0.232939	0.208049	0.244703	0.200721	0.0822688	0.219919	0.0915602
LOC101928143	0	0	0	0.0723811	0	0	0	0.0312103	0	0.176309	0.792887	0.0251282	0.0226582	0.0183544	0.0504345
LOC101928150	0.0201178	0.0391014	0.0277411	0	0.0522339	0.0397772	0.0306636	0.0178753	0	0.0167804	0	0.023938	0	0.0139848	0.00987304
LOC101928160	0.0718728	0.112546	0.0594583	0.0555503	0	0.0305994	0.205155	0.0958119	0	0.0225519	0	0.0642837	0.023186	0.00939097	0
LOC101928161	0.305087	0.0839976	0.180278	0.0449145	0.135402	0.0371111	0.199051	0.0774675	0	0.0547023	0.393606	0.124742	0.140601	0.478356	0
LOC101928163	0.0190949	0.211605	0.0789834	0.0393558	0.385593	0.0325182	0.283426	0.0509099	0.0232555	0	0.0646674	0.109303	0	0.0498992	0.164536
LOC101928166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928168	0.0452013	0.0217787	0	0	0	0	0	0.0401711	0	0	0	0	0	0	0.129829
LOC101928174	0	0	0.0140415	0	0	0	0.00968976	0.00754221	0	0	0.0383214	0	0.00547553	0	0
LOC101928177	0	0.0289628	0	0	0	0.0511844	0	0	0	0	0	0	0	0	0
LOC101928185	0.324625	0.417091	0.38045	0.418169	0.189095	0.195793	0.355203	0.276479	0.0164732	0.0848828	0.167961	0.348417	0.0698154	0.678653	0.349652
LOC101928191	0.224472	0.0757078	0.129989	0.0231325	0	0	0.102518	0.199492	0.0273382	0	0	0.0160616	0	0	0.161185
LOC101928195	5.92E-39	0.157034	0.0613586	2.06E-09	0.0382087	0.0312614	0.0146557	5.32E-09	2.13E-34	0.014276	0	0.0500801	0	0.0552516	0
LOC101928201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928211	0	0.0197707	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928222	0.0201244	0.0678737	0.0499449	0.0207388	0.0312601	0.051407	0.0919095	0.0357698	0.0490185	0	0.0454359	0	0.0779049	0.0631073	0
LOC101928226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928231	0.0974034	0.0281583	0.0644632	0.381433	0.121041	0.149288	0.0222424	0.12119	0.498231	0.195602	0.461817	0.209084	0.138257	0.0509073	0.0279767
LOC101928251	0.0406375	0.0734241	0.0504273	0.0628172	0.126248	0.060554	0	0.00902881	0	0.0892574	0.0114687	0.130847	0	0.0159292	0.0437704
LOC101928253	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928254	0.0241325	0.0408985	0.0499102	0	0.0562291	0.0102742	0.0140087	0	0	0	0.0136213	0.0259012	0	0.0126127	0.0173286

LOC101928266	0.146888	0.133682	0.209278	0.0588671	0.09507	0.0903308	0.312131	0.130542	0.00993852	0.051211	0.0138182	0.0642293	0.0184278	0.571511	0.8438
LOC101928269	0.313901	0.109994	0.0236074	0	0.0443269	0.0242984	0.065164	0.101443	0	0	0	0.0612558	0.0552347	0	0
LOC101928272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928273	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928279	0.368582	0.247689	0.224676	0.00999564	0.210934	0.0743311	0.321163	0.172403	0	0	0.0437982	0.0485819	0.00625808	0.0304164	0.0975081
LOC101928283	0	0	0	0	0	0.0137228	0	0	0	0	0	0	0	0	0
LOC101928295	0	0.00683462	0.00586747	0.0073091	0.0220344	0.0120785	0.00809806	0	0.00863795	0	0	0.00507492	0.00915218	0.00741377	0.0407433
LOC101928298	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928303	0.0214685	0.0206877	0	0.0884957	0.033348	0.0365603	0.024512	0	0.0522925	0.0538904	0.0727058	0.0460839	0.0969596	0.0112204	0
LOC101928304	0.171176	0.362892	0.226575	0.105841	0.159538	0.145754	0.390887	0.0304255	0.333558	0.171875	0.425121	0.122481	0.0883537	0.107357	0
LOC101928306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928307	0.303373	0.0835257	0.215119	0.0893243	0.0673205	0.221416	0.0989662	0.231097	0	0	0	0	0.0279621	0.0906035	0
LOC101928314	0	0	0	0.0183317	0	0	0	0	0	0	0	0	0	0	0
LOC101928322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928323	0.368814	0.155488	0.419524	0.237546	0.78773	0.588825	0.157912	0.368742	0.112293	0.289312	0.364302	0.065974	0.0594892	0.0722843	0.0662079
LOC101928324	0.443353	0.811735	0.78245	0.335052	0.550945	0.251673	0.742436	0.472819	0.143988	0.148388	0.0667321	0.634463	0.1907	0.6797	0.594264
LOC101928333	0	0	0	0	0	0	0	0	0	0	0	0.00866081	0.015619	0	0
LOC101928335	0.210391	0.234751	0.229014	0.148347	0.0172006	0.122573	0.214932	0.285388	0.0809157	0.111184	0.0250006	0.17431	0.0142888	0.272006	0.12722
LOC101928336	0.502649	0.656393	0.556199	0.298088	0.606446	0.311611	0.500229	0.429793	0.0961084	0.190873	0.0718477	0.244777	0.0461966	0.393239	0.253122
LOC101928358	0	0.0292925	0.0670598	0	0	0	0.0462767	0.0540305	0	0	0	0	0	0	0
LOC101928370	0.419742	0.110312	0.157836	0.255601	0.0296366	0.536107	0.304976	0.152604	0.0697089	0.215517	0.667679	0.0682583	0.356984	0.269234	0.191801
LOC101928371	0.0259005	0.0690351	0.0847019	0.0262644	0.0295786	6.41E-18	0.0761625	0.0716438	1.07E-14	3.46E-14	5.66E-21	1.22E-14	1.64E-18	0.163362	1.11E-14
LOC101928372	0.142849	0.127425	0.210494	0.123824	0.387808	0.0616713	0.128085	0.08799	0.026391	0.0137021	0.0122556	0.134646	0.0349862	0.155189	0.0804943
LOC101928381	0.114524	0.231754	0.227382	0.0660915	0.106737	0.101416	0.0993776	0.0814236	0.0390537	0.0919934	0.0103427	0.0819451	0	0.246604	0.309206
LOC101928386	0.24222	0.116705	0.145732	0.0907691	0.376252	0.112499	0.125709	0.215265	0.107272	0.11055	0.0248579	0.0157559	0.0568288	0.115086	0.126494
LOC101928389	0.268066	0.473581	0.308005	0.27625	0.185066	0.164851	0.357081	0.330882	0	0.0934585	0.117683	0.10656	0	0.513711	0.641628

LOC101928398	0	0	0	0	0	0.0561425	0	0	0.026767	0	0	0	0	0	
LOC101928401	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LOC101928402	0.425946	0.136818	0.234915	0.146316	0.992461	0.120896	0.16211	0.315454	0	0	0	0	0.222618	0	
LOC101928403	0.121806	0.192831	0.388669	0.17932	0.0270294	0.207432	0.25828	0.216501	0.0211922	0.218398	0.255363	0.0124507	0.168404	0.100039	0.0499795
LOC101928404	0.00878961	0.0465847	0.094528	0.00905795	0.0409599	0.00748424	0.0100357	0.015623	0	0	0.0198448	0.0125784	0	0.0321569	0.063115
LOC101928414	0.0688781	0.0829663	0.0854713	0	0	0.117298	0.0786428	0.153033	0.0838858	0	0	0	0	0.0359987	0
LOC101928416	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928417	0.44953	0.634834	0.487295	0.399357	0.240785	0.0263979	0.283177	0.537265	0.113271	0.097277	0.13999	0.277285	0.0900107	0.356467	0.289399
LOC101928418	0.0607429	0.0195112	0.0837514	0.0208658	0	0.137925	0.0924724	0.0359888	0	0.0254129	0.0228571	0.0579509	0	0.0740761	0.174469
LOC101928424	0.0320541	0.18533	0.265174	0.132131	0.248955	0.0818809	0	0.113948	0.0780765	0	0.0723701	0	0	0	0
LOC101928429	0.719888	1.02771	0.639656	1.67607	1.65664	1.04433	0.51752	0.947816	0.0974158	0.769676	1.02335	0.686798	0.27524	1.56072	1.45505
LOC101928433	0.205847	0.467563	0.632509	0.262638	0.106584	0.404804	0.195858	0.187295	0.710311	0.824287	0.6252	0.480442	0.619786	0.489253	0.436394
LOC101928436	0	0	0	0	0.0214878	0	0	0	0	0	0	0	0	0.00722987	0
LOC101928437	0.0189026	0	0	0	0	0.0107302	0.00719412	0	0	0	0	0	0	0	0
LOC101928438	0.164879	0.0649975	0.0743999	0.0772331	0	0.0893407	0.136912	0.093247	0.0182549	0	0	0.0321751	0	0.0235018	0.0430523
LOC101928441	0	0.00679505	0	0	0	0	0	0	0.0171759	0	0	0	0	0.00737085	0
LOC101928443	0.0116005	0.0503038	0.0671774	0	0.0180196	0.0197554	0.0132451	0.0515479	0	0	0	0	0	0.0606294	0.116619
LOC101928445	0.506181	0.544489	0.5843	0.181965	0.932557	0.310725	0.725786	0.564929	0.100356	0.206845	0.0398662	0.395878	0.007595	0.442971	0.15215
LOC101928446	0.515946	0.367362	0.341462	0.177232	0.187003	0.0878643	0.307636	0.438151	0.00698183	0.143903	0.0582439	0.151771	0.0110962	0.311602	0.246988
LOC101928453	0	0	0	0	0.0337868	0	0.0993383	0.0193305	0	0	0	0	0	0.011368	0
LOC101928461	0.577058	0.42437	0.402007	0.970259	1.32097	0.362053	0.277417	0.485849	0.147956	0.266835	0	0.369437	0.333124	0.539697	0.567024
LOC101928475	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928489	0.246327	0.457782	0.397855	0.398903	0.346191	0.59927	0.57589	0.125094	0.142857	0.647777	1.04608	0.285363	0.385971	0.386224	0.454831
LOC101928491	0.0667588	0.107218	0.0184092	0.137594	0.103699	0	0.0508154	0.138436	0	0.139649	0.100483	0.159226	0	0.127934	0.031958
LOC101928495	0.0362176	0.0354126	0.0299618	0	0	0	0.0827652	0	0	0	0	0.0518293	0	0	0
LOC101928504	0.0903143	0.0870297	0.13075	0.139607	0.0876809	0.173028	0.103118	0.10033	0.0824945	0.0566769	0.114698	0.0242334	0.0874055	0.0413019	0.0162129

LOC101928505	0	0	0	0	0	0	0	0.0123752	0	0	0	0	0	0	0
LOC101928510	0.570881	0.585175	0.421341	0.288387	0.278204	0.157267	0.543177	0.586936	0.14996	0.19669	0.126363	0.480565	0.0433329	0.415374	0.385815
LOC101928516	0.0345935	0.0166677	0.0858545	0	0	0	0	0.0614876	0	0	0	0	0.0223195	0.0542402	0
LOC101928517	3.52E-28	1.47E-30	0	0.053481	0	0.0300142	2.34E-15	8.89E-22	0	0.0213874	0.0250754	0	0.0222582	7.82E-40	0.0282098
LOC101928519	0.0108551	0.00523015	0.0179602	0	0.0337234	0.0647008	0	0	0	0	0	0.00776711	0	0	0
LOC101928523	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928525	0.134792	0.211082	0.0735002	0	0.431286	0.149259	0.0735569	0.163382	0	0.0273414	0.0507154	0.125328	0	0.185364	0.158157
LOC101928530	0.0852414	0.123212	0.0705177	0.0439219	0.132409	0.108873	0.194652	0.151511	0.103814	0	0.14434	0.121985	0.0274987	0.0445509	0
LOC101928535	0	0.00341626	0	0	0	0	0.00809558	0	0	0	0	0	0	0	0
LOC101928540	0.0820676	0	0	0	0	0.0232931	0	0	0	0.0343344	0	0	0	0	0
LOC101928551	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928557	0.226893	0.0273301	0.0469254	0.11691	0	0	0.194294	0.201643	0.0690824	0	0	0.0811739	0	0.326106	0.896078
LOC101928565	0	0.036028	0.0618597	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928583	0.0437487	0.0308074	0.030624	0	0	0.0458479	0.0691627	0.0508433	0	0	0	0	0	0.00175884	0.00483297
LOC101928590	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928595	0.40315	0.444441	0.320941	0.215624	0.33708	0.674421	0.553116	0.416448	0.391386	0.429392	0.60914	0.694636	0.130655	0.394743	0.32381
LOC101928596	0.0408167	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928597	0	0.00484812	0	0	0	0	0	0	0	0	0	0.00719977	0	0	0
LOC101928605	1.23954	1.52134	1.87594	1.39495	1.0219	1.65981	1.63749	0.765188	0.735502	0.292859	0.382652	0.78161	1.235	0.620693	1.75338
LOC101928617	0.0792872	0.207987	0.0947439	0.19973	0.0410535	0.120021	0.0502931	0.0626345	0.13948	0.221141	0.248626	0.0882499	0.0909435	0.101295	0.0253037
LOC101928618	0.013362	0.0772564	0.022108	0.01377	0.0415117	0	0.0305127	0.0475003	0	0.0167707	0	0.0286827	0	0.0139672	0
LOC101928622	0.00962689	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928626	0.174008	0	0.167944	0.119547	0.135147	0	0.165564	0.154644	0	0.0363996	0.0327389	0.0622537	0	0.0454721	0.0832991
LOC101928627	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928650	0.10951	0.15829	0.120792	0.112853	0.283511	0.808133	0.125035	0.032441	0	0.503968	0.741737	0.0783571	0.0942068	0.171704	1.20573

LOC101928651	0.0138747	0.0133701	0.0114782	0	0	0	0.0316834	0.0123307	0	0.0174142	0	0.0198555	0	0.00725154	0
LOC101928659	0.115427	0.139036	0.190978	0	0.358595	0.245711	0.13179	0.102582	0.0702884	0.217309	0.325756	0	0.148945	0.211145	0
LOC101928661	0	0	0.0174845	0	0	0	0.0120657	0	0	0	0	0.0151228	0	0.0165693	0
LOC101928663	0.0196294	0.0283732	0	0	0	0.0668567	0.0672366	0.0697799	0	0.0246369	0.0443183	0	0.0126648	0	0.112761
LOC101928673	1.05601	0.894996	0.47364	0.393341	1.24508	0.433337	0.871599	0.554048	0.185942	0.271466	0.229802	0.273108	0.0820878	0.425573	0.895317
LOC101928674	0.0348016	0.00838397	0.0287903	0.0717281	0	0.340781	0	0	0	0.0436796	0.137503	0.0871551	0.14595	0.109133	0.324867
LOC101928682	0.098621	0.015839	0.0271954	0	0	0.0279915	0	0.0584307	0	0	0	0	0	0.0343624	0.188843
LOC101928696	0.0690837	0.0665712	0.0285755	0	0.0536554	0.0588239	0.0394388	0.0306979	0	0	0	0.0247156	0	0	0
LOC101928697	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928708	0.0318555	0.0690682	0.0395297	0.016414	0	0	0.0545574	0	0	0	0	0.0227935	0	0.0582718	0
LOC101928718	2.20E-15	0.00827507	0.0574625	0.0430955	0.127111	0.0740643	0.088924	0.0138671	1.36E-09	0.0275653	0.0253379	0.0122335	2.88E-09	0.0541769	1.37E-09
LOC101928725	0.116047	0.103839	0.137146	0.170842	0.0257515	0.169393	0.0946418	0.147333	0.0807611	0.0416145	0.0561439	0.142345	0.406452	0.147296	0
LOC101928728	0.489524	0.301098	0.37912	0.418602	0.25886	0.807042	0.368651	0.425792	0.126848	0.169941	0.141092	0.111788	0.208319	0.152419	0.119663
LOC101928730	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928731	1.04494	0.972609	1.06091	0.538421	0.571793	0.272992	1.01683	0.875891	0.0433848	0.178842	0.134046	0.492791	0.0153225	0.695076	0.716227
LOC101928737	0	0.0613799	0.0351295	0	0.131923	0	0	0	0	0	0	0	0	0	0
LOC101928739	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928748	0	0.00731672	0	0	0	0.0129304	0	0	0	0	0.0171428	0	0.0293933	0	0
LOC101928775	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928782	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928786	0.0152709	0.00367888	0	0.0236057	0.0355815	0.0455104	0.0174358	0	0	0.0287498	0.00861947	0.0928773	0	0.0359156	0
LOC101928791	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928796	0.216898	0.0731534	0.10766	0.022352	0.134767	0.66487	0.396236	0.0578284	0.0792473	0.027223	0.416247	0	0.111953	0.124697	0.155747
LOC101928797	0.0178298	0	0	0	0	0	0	0.0158456	0	0	0	0	0	0	0
LOC101928804	0	0	0	0	0	0	0.0338335	0	0	0	0	0	0	0	0

LOC101928807	0.198653	0	0	0	0	0	0.113408	0	0	0	0	0	0	0	0
LOC101928809	0.0412287	0.0331077	0	0	0	0.0351057	0.0470736	0.0122135	0	0	0	0	0	0.0359132	0
LOC101928812	0.0228912	0.0661761	0.0568118	0.0471802	0.035558	0.11695	0	0	0	0	0.0982758	0	0.0957117	0	0
LOC101928823	0.0353599	0	0.0146261	0	0.0274631	0.0150542	0	0	0	0	0	0	0	0.0277209	0
LOC101928834	0.115964	0.0239456	0.0822286	0.051216	0.0257331	0.0282119	0.0189148	0.0588908	0.100879	0.0207923	0.317921	0.0118536	0.0320654	0.00865825	0.166539
LOC101928837	0.332515	0.192253	0.220064	0.137067	0.413209	1.0759	0.227793	0.236409	0	0.166936	0.0750736	0	0.0429074	0.173787	0
LOC101928841	0.0344501	0.0165986	0.018347	0.0938261	0.0726245	0.0796202	0.019667	0.037177	0.00599632	0.0370614	0.0194449	0.0299321	0.088908	0.0913992	0.0742119
LOC101928844	0.0194807	0.0281583	0.0322316	0.100377	0.0605205	0.0165875	0.0444848	0.0692512	0.0711758	0	0	0.0975726	0.0502753	0.111996	0.111907
LOC101928847	0.0119726	0	0	0	0	0	0.0273399	0	0	0	0.0405467	0	0	0.00625741	0.0687767
LOC101928855	0.382828	0.44547	0.537797	0.133986	0.807846	0.227566	0.602045	0.29529	0.00879701	0.154119	0.0244622	0.852782	0.00932071	0.422816	0.425309
LOC101928858	0.0445916	0.0143233	0.0368893	0	0.0230887	0	0.203653	0.0924684	0	0.0186557	0	0.021271	0	0.147602	0
LOC101928861	0.381297	0.43133	0.548584	0.187927	0.0515031	0.14116	0.586779	0.63353	0.0605708	0.0624217	0.0187146	0.332138	0.0106961	0.285927	0.380932
LOC101928865	1.00131	0.64553	0.700021	0.101735	0.0876274	0.192137	0.434764	0.513877	0.0343518	0.0708029	0.159205	0.171548	0.0727936	0.147417	0.222791
LOC101928881	0	0.10405	0.0595507	0	0	0	0	0.0639739	0	0	0	0	0	0	0
LOC101928882	0.853868	0.426932	0.666396	0.0249038	0.150153	0.377247	0.607025	0.730211	0	0.0101103	0.0454675	0	0.0155918	0.0252605	0.23137
LOC101928887	0	0	0	0	0	0	0	0	0	0	0	0	0.00580551	0	0
LOC101928894	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928896	0.0322776	0.0933111	0.0534046	0	0	0	0.0368535	0.143428	0.0393105	0	0.0364374	0.0230955	0	0.0506091	0
LOC101928902	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928907	0.0640018	0.0555067	0.0211787	0.0527646	0.0795335	0.032698	0.0292301	0.102383	0.0467682	0.128526	0	0.073272	0.0165175	0.254221	0.238978
LOC101928909	0.186337	0.287296	0.200396	0.211228	0.31839	0.142797	0.106377	0.115921	0.0226937	0.210485	0	0.159995	0.0240447	0.146082	0.508447
LOC101928911	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928924	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101928932	0.104562	0.0167932	0	0.0718361	0	0.38581	0.0397952	0.092926	0	0	0.157383	0	0	0.0728649	0.0500547
LOC101928936	3.0743	2.48068	2.43476	1.2757	3.37478	1.03187	2.03399	1.96718	0.497076	0.988927	0.527676	1.66992	0.228416	1.78963	2.26262
LOC101928937	0	0.0214849	0.0184447	0	0	0	0	0.0198147	0	0	0	0	0	0	0

LOC101929122	0.0845666	0	0.0466396	0.377643	0.74438	0.336034	0.0321851	0.0501038	0	0.10614	0.700078	0	0.127311	0.147327	0.769172
LOC101929124	0.0344904	0.0265888	0.0171197	0	0.0107151	0	0.03938	0.0306522	0	0	0	0	0	0	0
LOC101929128	0.0324587	0.0781955	0.134261	0	0	0	0	0.144233	0	0	0	0	0.104711	0.0169643	0.139844
LOC101929130	0.304977	0.197807	0.213483	0.350551	0.109323	0.449453	0.214285	0.218915	0.0285713	0.294444	0.463455	0.184647	0.408675	0.931843	1.53295
LOC101929134	0.190217	0	0	0	0	0	0	0	0	0	0	0	0	0.0331385	0
LOC101929140	0.156616	0.116092	0.119597	0.124152	0.0935688	0.051291	0.0687766	0.171308	0.0293448	0.0151207	0.0680001	0.112063	0	0.170005	0.0519048
LOC101929147	1.09487	1.20738	1.29012	0.503936	1.00062	0.806937	1.02874	1.19781	0.316092	0.447085	0.451072	0.533601	0.34512	0.739496	0.863685
LOC101929148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929154	0.0492405	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929162	0.775703	0.687638	0.581916	0.43076	0.349481	0.295787	0.572798	0.660793	0.150872	0.481765	0.094502	0.741702	0.215529	0.807822	0.640556
LOC101929163	0.00684879	0.00471408	0.0032376	0.00201654	0.00455937	0	0.00223421	0.00608664	0	0.00122799	0.00331347	0.00210021	0	0	0.00562042
LOC101929165	0.702521	0.696313	0.805342	0.475751	0.26502	0.170911	0.607316	0.695696	0.0611137	0.239328	0.0906353	0.459586	0.0388511	0.382904	0.648584
LOC101929172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929188	0.290364	0.611422	0.658351	0.321393	0.50115	0.439539	0.736728	0.563889	0.261948	0.499412	0.376345	0.900306	0.534269	1.26464	0.416999
LOC101929208	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0236704	0
LOC101929210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929217	0	0	0	0	0	0	0	0	0	0	0	0.094356	0	0	0
LOC101929224	0.126423	0.0303007	0	0	0.0976879	0.107098	0.0359022	0.0558903	0.191478	0.118398	0.10649	0.0674978	0.081151	0	0.0451581
LOC101929227	0.00733071	0.0264904	0.0181934	0.00377725	0	0	0.0669597	0.0162873	0	0	0	0.00262266	0	0	0
LOC101929229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929231	0.618223	0.543935	0.62262	0.332398	0.668045	0.527612	0.738189	0.358902	0.392831	0.438571	0.45515	0.617012	0.243107	0.772655	0.231612
LOC101929234	0.320494	0.438875	0.237226	0.121682	0.419232	0.186719	0.115557	0.31481	0.0821739	0.0635136	0.171378	0.120696	0.0870658	0.17632	0.193798
LOC101929237	0.0416349	0.00859728	0.0147614	0.00612942	0.00923905	0.0455806	0.0543284	0.0264297	0	0	0	0	0	0	0
LOC101929243	0.534791	0.520719	0.526552	0.676008	0.667313	0.695318	0.372819	0.222974	1.0374	0.686413	0.642662	0.494334	0.0798491	0.490808	0.113265
LOC101929259	0.0586421	0.0632842	0.0543291	0.027071	0.0612074	0.0223678	0.0299932	0.0350186	0	0.0164852	0	0.0817112	0	0.00686468	0

LOC101929268	0.00975677	0.0376077	0.0242145	0.0100546	0.0303113	0.0581543	0.0334199	0.026013	0	0.0367372	0.0440567	0.0209437	0	0.0203972	0
LOC101929269	0.0365032	0.0879391	0.0905942	0.0376176	0	0.031082	0.416782	0.129764	0	0	0	0.0783571	0	0.0763127	0
LOC101929279	0	0	0.00937589	0	0	0	0.0129402	0.0201446	0	0	0	0	0	0.00592339	0
LOC101929282	0	0	0	0	0	0.0631603	0	0	0	0	0	0	0	0	0
LOC101929294	0.0521828	0.0125712	0.0431693	0.0268879	0	0.0888659	0	0.0231878	0	0	0	0	0	0	0
LOC101929295	0.468629	0.38211	0.397623	0.33434	0.97059	0.296716	0.397869	0.277652	0.0878057	0.708829	0.122082	0.412697	0.0620219	1.35023	0.690267
LOC101929297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929319	0	0	0.0101947	0.0126995	0	0.0314792	0	0	0	0	0.0278228	0	0	0.0128813	0
LOC101929331	0.413269	0.289628	0.124322	0.387169	1.2839	0.639805	0.300273	0.367279	0.183024	0.141462	1.14512	0.0537645	0.484798	0.117814	0.431641
LOC101929340	0.671255	0.198463	0.391241	0.20438	0.355463	0.350733	0.435465	0.216929	0.0371597	0.229771	0.172219	0.163739	0.226388	0.430561	1.00783
LOC101929341	0.0290742	0.0420252	0	0	0	0	0	0	0	0	0	0	0	0	0.0835084
LOC101929352	0.34839	0.0599499	0.0411733	0	0.115965	0.0635678	0.227303	0.132694	0	0	0	0	0	0.039018	0.285904
LOC101929353	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929372	0.0377743	0.0606674	0.0312496	0.0259517	0.0586765	0.0428858	0.0862589	0.0111902	0	0	0	0.0630665	0.0162479	0.0592275	0.0180829
LOC101929380	0	0.00758034	0	0	0	0	0	0.0139821	0	0	0	0	0	0	0
LOC101929384	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929411	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929413	0.0461477	0.0111173	0.0190883	0	0	0	0	0.0512652	0	0.01448	0	0.0165099	0	0	0
LOC101929415	0.237148	0.262731	0.233638	0.158165	0.0697823	0.0628539	0.229438	0.240985	0.0113251	0.0599839	0.0816953	0.260465	0.0299021	0.159276	0.330191
LOC101929420	0.0206358	0.00497132	0.0170714	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929427	0.0413269	0.0199119	0.0341885	0	0	0	0	0.0734558	0	0.311217	0.0933058	0.0295705	0.346631	0.129595	0.0593506
LOC101929431	0.19108	0.269015	0.26381	0.139678	0.34014	0.0656265	0.356549	0.185383	0.0639513	0.0902677	0.0161602	0.234496	0.00923615	0.141078	0.14391
LOC101929439	0.0899814	0.259201	0.224153	0.0405261	0.137444	0.0837128	0.192623	0.100023	0	0	0	0.0140692	0	0.0051383	0.0705955
LOC101929445	0.0135024	0.0130113	0	0	0	0	0.0616662	0	0	0	0.0152425	0	0	0	0
LOC101929452	0.261997	0.168312	0.28899	0.0449992	0	0.260268	0.299139	0.11642	0	0.219222	0.0492936	0.124977	0	0.182575	0.438971

LOC101929457	0.0184701	0.0177984	0.020373	0	0.0765079	0.0262118	0.00702953	0.0164147	0.00749817	0.0231819	0.00695015	0.0176211	0	0.00643553	0.0353672
LOC101929460	0.0481645	0	0.0199225	0.0248175	0.448897	0.0205057	0.082489	0.0642069	0.263965	0.0906771	0.217487	0.0172315	0.0776888	0.0755186	0.138341
LOC101929464	0.141692	0.136539	0	0.0486726	0	0	0	0.0839495	0.0575217	0	0	0.0675897	0	0.0493697	0.0678293
LOC101929470	0.0123958	0	0	0	0	0	0	0.0220328	0	0.0155581	0	0	0	0.0259144	0
LOC101929473	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929488	0	0	0.0104563	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929497	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929512	0.36287	0.330246	0.50032	0.166199	0	0.068662	0.184139	0.214993	0.196416	0.101209	0.09103	0.144246	0.0520271	0.105362	0.057903
LOC101929516	0.159005	0.209646	0.421195	0.0411987	1.02E-34	0.0366955	0.307741	0.142161	0.0455857	0.0979808	0.133156	0.0853335	0.127132	0.40786	0.476454
LOC101929523	0.0454231	0.656566	0.544869	0.491503	1.51699	2.30129	0.881664	0.504603	0.193621	0.370569	0.666601	0.568775	0.967122	0.973343	2.57671
LOC101929524	0.152075	0.153205	0.148681	0.0854824	0.150325	0.188349	0.0315699	0.184298	0.0505119	0.121463	0.0156067	0.0197843	0.0178396	0.0505788	0
LOC101929526	0.724074	0.421277	0.440777	0.267498	0.572979	0.151227	0.405563	0.497799	0.0998311	0.480114	0.200492	0.488768	0.017629	0.528378	0.412021
LOC101929528	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929529	0.198369	0.159295	0.109403	0	0	0	0	0.293823	0	0	0	0	0	0.172794	0
LOC101929532	0.0495672	0.0201548	0.017925	0.109037	0.0538059	0.126495	0.014816	0.0251247	0.00824232	0.225383	0.279012	0.0547446	0.0562096	0.212746	0.438742
LOC101929536	0	0.0653178	0.0320428	0	0.0902489	0.0494711	0.0221121	0.0172114	0	0	0	0	0.0124952	0.0202436	0
LOC101929538	0.0120788	0	0.0399699	0	0	0	0	0	0	0	0.0136355	7.56E-31	0	0	0
LOC101929541	0	0.0244532	0.0629788	0	0.0394179	0.0432149	0.0289737	0	0.0927159	0.0636994	0.057293	0.0363146	0	0.0132627	0
LOC101929550	0	0.00413677	0	0.0132719	0.00666836	0	0	0.00381518	0	0	0	0	0	0.00673098	0
LOC101929551	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929552	0	0.0995596	0.0427356	0	0.120365	0	0.0589821	0.0229549	0.0314572	0	0.0583161	0.0369631	0.0833247	0	0
LOC101929555	0.0206358	0.0695985	0.0682856	0	0.0480818	0	0.0235613	0.119206	0.0376981	0	0	0.00738273	0	0	0
LOC101929563	0.0576534	0.00925944	0.0119237	0.0198045	0	0.0122728	0.0219423	0.042698	0	0.00603008	0	0.00687543	0.0216987	0.0150661	0.0068998
LOC101929570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929572	0	0	0	0	0	0	0	0	0	0	0	0	0	7.07E-10	0
LOC101929574	0.193504	0.130526	0.032016	0.0797645	0.300578	0.395438	0.176749	0.068788	0	0.0971468	0.131065	0.166149	0.0249695	0.222494	0.277896

LOC101929577	0.0525083	0.0537611	0.0108597	0.0135278	0.0305863	0.0223551	0.0374702	0.0291657	0	0.0164758	0.0148188	0.00939278	0.0127043	0.0377343	0.0282782
LOC101929579	0	0.118624	0.0814705	0	0.0764876	0.0838553	0.224885	0	0.119939	0	0.0555864	0.0352329	0	0	0
LOC101929583	4.07E-32	1.56E-08	2.56E-12	0.0141457	4.93E-07	0.00848342	3.73E-28	0.0365972	1.47E-27	1.41E-41	0	0.00285869	0	1.46E-13	8.54E-40
LOC101929586	0.101061	0.0265598	0.0684042	0.0473394	0.0998984	0.148636	0.0209797	0.04899	0.0111892	0.0230623	0.0103714	0.00657383	0	0.0528191	0.211108
LOC101929592	0.101505	0.0489065	0	0	0	0	0.0579473	0.135313	0	0	0	0	0	0	0.21866
LOC101929595	0.354066	0.308652	0.365543	0.243716	0.168515	0.0599948	0.287104	0.377002	0.100305	0.244248	0.127465	0.507798	0.185222	0.592508	0.279406
LOC101929596	0.0204444	0.206859	0.202957	0.0421371	0	0.0870407	0.186742	0.0363385	0	0.0256598	0	0.0731425	0.0131906	0.0427405	0
LOC101929613	0	0.0253424	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929621	0.0789865	0.0190285	0.163358	0	0	0	0.135276	0.0350983	0	0.0495681	0	0.056517	0	0	0
LOC101929622	0	0	0	0	0.037253	0	0.0273824	0	0	0	0	0	0	0	0.103325
LOC101929626	0	0	0.0534792	0	0	0.0550447	0.07381	0	0	0	0	0	0	0	0
LOC101929633	0.0735868	0.124093	0.0304381	0	0	0.0626582	0	0.0653978	0	0.0461795	0	0	0	0.0961492	0
LOC101929645	0.0096329	0	0	0	0	0	0	0.00856092	0	0	0	0	0	0	0
LOC101929646	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929653	0.0320319	0.0591616	0.0750806	0.00550163	0.0580494	0.0318205	0.158483	0.0237227	0.00650188	0.00670056	0	0.0114598	0	0.00279021	0
LOC101929657	0.101238	0.0943043	0.0781679	0.0904184	0.0629032	0.0517218	0.0462362	0.125961	0	0	0	0.0144877	0.0217728	0.0176372	0.0872345
LOC101929662	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC101929679	0.326287	0.449171	0.424172	0.120089	0.253418	0.158759	0.319323	0.227839	0.113537	0.204762	0.0789294	0.100057	0	0.14617	0.167353
LOC101929680	0.0442478	0.0395497	0.0231857	0.0507165	0.0342869	0.0284436	0.0746424	0.0208659	0	4.95E-37	0.0260104	0.0081263	7.77E-40	0.0124254	0
LOC101929698	0.0392034	0.0377985	0.0973466	0.0269335	0.142092	0.011127	0.0298408	0.0580678	0.0159151	0.0164014	0.0147519	0.0654525	0	0.0205302	0.093835
LOC101929705	0	0.0145697	0.0166773	0.0727122	0.0313146	0.0858276	0.0115087	0.0537481	0.0245519	0.101209	0.0682725	0.0216369	0.0520271	0.0316086	0.0868546
LOC101929709	1.67682	2.1382	2.48737	1.04277	1.48198	1.157	1.58445	1.31037	0.686596	1.21558	1.46865	0.80677	0.419694	1.22391	2.80257
LOC101929710	0	0.212169	0.121431	0.050422	0.380012	0.124985	0.167594	0.13045	0.0595891	0.6141	0.220935	0.175047	0.126273	0.12786	0.351336
LOC101929715	0.0262393	0.025285	0.065121	0.0540807	0.0815174	0.111712	0.0299592	0.0233193	0.0319565	0	0.0888627	0.0187749	0.0507884	0.0137138	0.0376829
LOC101929718	0.8438	1.18131	0.710684	0.642966	0.849329	0.534813	0.927772	1.10478	0.367648	0.448686	0.244536	0.70971	0.0732037	0.610422	0.59482
LOC101929719	0.396965	0.612044	0.886673	0.204542	0.184987	0	0.725187	0.776137	0	0.298939	0	0.198827	0.025612	0.0829885	0.456073

LOC102467226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102503427	0.104405	0.0335359	0	0	0	0.0888993	0	0	0	0	0	0	0.0449076	0	0
LOC102546229	0	0	0	0	0	0	0	0	0	0	0	0	0.0211798	0	0
LOC102546294	0.0771435	0.207084	0.164105	0.102213	0.188305	0.0563029	0.0754971	0.146912	0.147639	0.096823	0.149289	0.17348	0.0142207	0.0806371	0.094961
LOC102546299	0	0	0	0	0	0	0	0	0	0	0.0448894	0	0	0	0
LOC102606465	0.296706	0.395235	0.447596	0.827361	0.379554	0.683617	0.239131	0.217154	0.233817	0.547642	1.02453	0.549485	0.394127	0.556433	0.651693
LOC102606466	0	0	0	0	0	0	0.0318745	0	0	0	0	0.0399505	0	0	0
LOC102723313	0.794611	0.546367	0.431391	0.460614	0.835728	0.472211	0.529236	0.588487	0.362905	0.290885	0.149503	0.728475	0.160212	0.523449	0.404162
LOC102723322	0	0	0	0.0489725	0	0	0	0.0422333	0	0	0	0	0	0	0
LOC102723330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102723335	2.39E-30	0.293913	0.277259	0.114164	0.515557	0.16038	0	0.289646	0.211498	0.0703974	0	0.351365	0.0328171	0.339396	0
LOC102723345	0.211352	0.178207	0	0.762316	0	0.0899818	0.0603287	0.0939161	0	0.265269	0	0.37807	0	0	0
LOC102723360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102723373	0.0396285	0.381872	0.163917	0.163353	0.861795	0.236202	0.0904931	0.105656	0.434368	0.0994757	0.178943	0.283553	0.0511362	0.248539	0
LOC102723376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102723385	9.65E-18	0	0	0.152491	0.0459708	0.0251995	0.0337903	0.0683594	7.63E-41	0	0.176287	0	0.0196394	0.11014	0.103133
LOC102723427	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102723439	0.223821	0.668609	0.740641	0.230654	0.208602	0.228696	0.511102	0.915	0.0545177	0.337101	0.151599	0.480449	0.144408	0.514705	0.192861
LOC102723493	0.0758789	0.0121865	0.0209241	0.0260651	0	0.0107683	0.086636	0.0112391	0	0	0	0.00904889	0	0.0066096	0
LOC102723517	2.06776	0.99628	1.38164	0	1.11183	0.237014	1.45287	1.30756	0	0	0	0	0	0	0.0571071
LOC102723544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102723566	1.03609	0.884457	0.903708	0.63831	2.39661	1.04523	1.06725	0.710609	0.0548625	0.254425	0.190698	0.628535	0.130789	1.41262	2.08637
LOC102723582	1.08075	1.09532	1.51068	0.652887	1.33145	0.47599	1.36162	0.728643	0.18155	0.654842	0.336562	0.879972	0	1.07127	0.588728
LOC102723604	0.0437487	0.126473	0.144768	0.0901686	0	0.0372514	0.149852	0.233281	0.053281	0.0549091	0	0.156517	0	0.0457299	0
LOC102723649	0	0.0643308	0	0	0	0	0	0.118659	0.271016	0.167578	0	0.159226	0	0	0
LOC102723661	0	0	0	0	0	0	0	0	0	0.0357281	0	0	0	0	0

LOC102723665	0.19072	0.140375	0.0733547	0.183473	0.275472	0.21572	0.101241	0.101318	0.107991	0.0953921	0.257395	0.0727699	0.155856	0.125789	0.0181918
LOC102723672	0	0.0988535	0	0.0422865	0.0637396	0.104819	0	0	0	0	0	0	0	0.0643381	0
LOC102723692	0.201975	0.307938	0.425231	0.0413813	0.184215	0.0341514	0.458908	0.215627	0	0.203879	0.0496417	0.171182	0.106753	0.248392	0.415308
LOC102723701	0.0776612	0.0694913	0.073425	0.0914653	0.0172335	0.255063	0.101338	0.157757	0.0135118	0.0835482	0.150291	0.00793839	0.126595	0	0.0159331
LOC102723703	0.326666	0.290571	0.478119	0.207163	0.156131	0.449323	0.200834	0.379641	0.214223	0.315384	0.226933	0.449497	0.259401	0.262662	0.613483
LOC102723704	0.153672	0.0666375	0.0635643	0.0950183	0.0238706	0.07851	0.0526374	0.0819427	0.0748622	0.0771498	0.0346954	0.186926	0	0.0321263	0
LOC102723709	0.0788968	0.51952	0.500395	0	0.204257	0.0223932	0.420382	0.0934892	0	0	0	0.0752703	0	0.10996	0
LOC102723727	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102723729	0.141438	0.0272633	1.54E-44	0	0	0.385875	0.0817374	0	0	2.45E-38	0.144395	0.0809754	0	0.0727163	0
LOC102723753	0.137546	0.21741	0.168422	0.0299265	0.1557	0.0924894	0.0620281	0.0690633	0.278917	0.00658361	0	0.170259	0.0111129	0.455307	0.0975246
LOC102723769	2.34785	1.84229	1.19313	0.794986	1.43276	0.742545	3.42746	1.52022	0.224668	0.884036	0.397564	1.35596	0.151482	1.27968	1.25238
LOC102723809	0.330026	0.814933	0.784934	0.255076	0.0640805	0.210759	0.235508	0.549936	0.100484	0	0.232849	0.118071	0	0.366532	0.177734
LOC102723824	0.158514	0.175661	0.118021	0.0163353	0.0246227	0.0809836	0.12669	0.112699	0.0193052	0.0596854	0.178943	0	0.081818	0.190547	0.182117
LOC102723831	0.0261503	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102723833	0.0502018	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102723838	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102723883	0	0	0.0389137	0	0	0.0400529	0.0537073	0	0.171864	0	0	0	0	0	0
LOC102723885	0.282232	0.0971313	0.166773	0.0830996	0.250517	0.102993	0.322244	0.286657	0.196416	0	0.136545	0.0576985	0	0.126435	0
LOC102723886	0.134748	0.016231	0.111473	0.138862	0.209311	0.114737	0.230777	0.0898149	0.0410271	0.126842	0.380286	0.0723121	0	0.0352127	0
LOC102723968	0.0151064	0.014557	0	0	0.0234655	0	0.0517441	0.0134253	0	0	0	0	0	0	0
LOC102723996	0.913681	0.304773	0.754957	0.897918	1.7394	1.71942	1.9948	1.3028	1.27077	0.386691	0.578815	0.738696	0.840809	0.945159	0.623712
LOC102724009	0.318118	0.459822	0.625027	0.368808	0.864756	0.507887	0.726433	0.494754	0	0.39927	0.0448894	0.569054	0.12828	0.97679	0.7995
LOC102724020	0	0.0215736	0	0	0	0	0	0	0	0	0	0	0	0.00441075	0
LOC102724034	0.194324	0.122163	0.116683	0.0985811	0.143777	0.0933783	1.23E-14	3.98E-11	0.00053196	0.220162	0.0868282	0.0257566	1.73E-07	0.0516292	0.573212
LOC102724050	0.134329	0.101706	0.0317505	0.13843	0.0596172	0.1634	0.175283	0.136435	0	0.0240853	0.021663	0.0274618	0.0123812	0.0902654	0.551183
LOC102724058	1.86E-09	0	0	0.0322292	0	1.85E-20	0.0357081	0	0	0	0	0	0	0	0

LOC102724064	0.319324	0.976891	0.951218	0.972465	1.44463	1.85219	0.538468	0.571181	0.224946	0.776955	0.47323	0.619988	0.864182	0.476062	0.461616
LOC102724084	0	0.0197357	0.033886	0	0.19088	0.0348779	0	0	0	0	0.0924801	0.0879264	0	0	0.294127
LOC102724094	0.170588	0.0547945	0.141122	0.0585985	0.353309	0.145253	0.129848	0.202139	0	0.142737	0.89867	0.0406867	0.623686	0.118875	0.163324
LOC102724096	0.143924	0.013869	0.0714387	0.0296637	0	0	0	0.0255816	0	0.252896	0	0.0411927	0.0371437	0.0451327	0.165355
LOC102724152	0	0	0.0419859	0	0	0	0	0	0	0	0	0	0	0	0
LOC102724153	0.215076	0.237389	0.28733	0.363357	1.32306	0.276269	0.21505	0.197957	1.00603	0.0469238	0.104802	0.23182	0.0766317	0.034174	0.0249498
LOC102724156	0	0	0.030584	0.0380984	0	0	0	0	0	0	0.0834684	0	0.0238527	0	0
LOC102724163	0.0852414	0.143747	0.0352589	0.0878438	0	0.108873	0.145989	0	0.103814	0.16048	0.0481135	0.0609925	0.0549973	0.0222754	0.122417
LOC102724219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102724238	0.0135986	0.0262062	1.19E-10	3.45E-11	7.69E-11	0.0115793	8.94E-11	0.0241696	3.78E-11	2.66E-11	3.62E-11	0.00971302	1.17E-11	0.0213231	1.27E-11
LOC102724264	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102724265	0.0289892	0.00465581	0	0	0	0	0.011033	0	0	0	0	0	0	0	0
LOC102724297	0.0243355	0.0469008	0.020132	0.225706	0.0378014	0.0828854	0	0	0.0296379	0.122174	0.988982	0.0174127	0.219816	0.127188	0.244642
LOC102724301	0	0.127924	0.109822	0.136805	0.137473	0.489824	0.0505239	0.0786525	0.107784	0.111078	0.29972	0.189975	0.199852	0.277527	0.0635494
LOC102724323	0.199509	0.168221	0.165048	0.2056	0.0774766	0.12741	0.0569482	0.0443268	0	0.125202	0.11261	0.107066	0.128722	0.182476	0.28652
LOC102724357	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.153517
LOC102724404	0.104248	0.0502283	0.064681	0.0268576	0.161933	0.0221914	0.446351	0.0231617	0.0317406	0.065421	0.0588415	0.167832	0	0.0272423	0.0374283
LOC102724421	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102724434	0.0571151	0.0990682	0.0283498	0.0235435	0	0.0486328	0.0521698	0.0101518	0.0278239	0.0716854	0.193428	0.00817348	0.0221102	0.214926	0.311693
LOC102724450	0.36735	0.0294991	0	0	0.190207	0.208529	0.139809	0	0	0	0.138231	0	0	0	0
LOC102724452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC102724467	0	0	0	0	0	0.0256923	0	0	0	0	0	0	0	0.01577	0
LOC102724484	0.231787	0.146041	0.265501	0.0551223	0.193871	0.182182	0.305362	0.380295	0	0.0671346	0.201276	0.114819	0	0.214328	0.512116
LOC102724511	0	0	0	0	0	0	0	0	0	0	0	0.0312443	0	0	0
LOC102724532	2.11594	1.12569	0.80229	1.31741	0.75322	3.04035	1.81193	1.01859	4.13389	2.37908	6.31991	1.95559	1.67805	0.944606	0.316537
LOC102724552	0.466863	0.417749	0.220698	0.412385	0.2072	0.0851845	0.266524	0.326	0.0406133	0.0837087	0.112935	0.143165	0	0.122001	0.47891

LOC105369147	0.732113	0.655187	0.562106	0.37464	0.492375	0.939537	0.576789	0.55167	0.388648	0.352777	0.605662	0.206824	0.204838	0.369041	0.415114
LOC105369187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105369192	0.0219158	0.0527968	0.0362605	0.0451697	0.11915	0.018661	0.0125114	0.0389538	0.253564	0.0137533	0.0742205	0.0705659	0	0.00572707	0
LOC105369306	0.1387	0.157522	0.172113	0.0918862	0.107724	0.0337432	0.113116	0.0616324	0.0965261	0.0994757	0.0111839	0.155954	0.0511362	0.0155337	0
LOC105369332	0.536644	0.529167	0.583068	0.0918567	0.435205	0.158099	0.364838	0.378276	0.512202	3.85E-40	0.265893	0.192012	0.17705	0.544779	0.365268
LOC105369340	1.6053	2.04644	0.885344	5.68668	3.32478	4.95498	1.22192	0.832216	11.9341	8.14321	14.9127	7.39433	5.20023	3.84541	1.34482
LOC105369391	0.1422	0.0513856	0.0294095	0	0.0552214	0.363244	0.162359	0.0315939	0	0	0.200658	0	0.0458734	0.16722	0.612652
LOC105369423	0	0.0328444	0.0845901	0	0.0529443	0	0	0.030291	0	0	0	0	0	0	0
LOC105369431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105369438	0.067431	0.0708194	0.041833	1.57E-05	0.10075	0.00175674	0.00962272	0.0449402	1.24E-23	1.77E-11	0.0190307	0.0060304	0.00512556	0.0466597	0.0363106
LOC105369443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105369473	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105369486	0.0345419	0.0083214	0	0	0	0	0	0.015349	0	0	0	0	0	0	0
LOC105369507	0.174995	0.33726	0.217152	0.180337	0.0679568	0.1111754	0.149852	0.194401	0	0.0549091	0	0.0313033	0.0564529	0.0457299	0.251315
LOC105369509	0.228235	0.219934	0.15105	0.0470406	0.0709056	0.0777357	0.0521183	0.243404	0.055593	0	0.0515298	0.097985	0	0.0238571	0.13111
LOC105369532	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105369595	0.042937	0.26894	0.213123	0.0442478	0	0.0731206	0.343169	0.228953	0	0	0	0.307226	0	0.134645	0
LOC105369632	0	0	0	0.11836	0	0	0	0.153109	0.0699395	0	0.129656	0.205453	0.0370516	0.0300138	0
LOC105369691	0	0.0147107	0.050516	0.0314638	0	0.0519947	0	0.0542681	0	0.0383205	0	0	0	0	0
LOC105369747	0.0273882	0	0	0	0	0.0466414	0	0.0973615	0.0333558	0	0.0309179	0	0	0.0286286	0
LOC105369781	0.0604257	0.232912	0	0.186811	0.187724	0.0514517	0	0.161104	0	0	0.0682131	0	0	0.0315811	0
LOC105369879	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105369911	0.170483	0.164283	0.141035	0.175688	0.397228	0.072582	0.389304	0.0378777	0	0	0	0.0304963	0.0274987	0.111377	0.183626
LOC105369921	0	0.0136316	0.0234053	0	0	0.0240905	0	0	0	0.0355097	0	0	0	0.0443603	0
LOC105369945	0	0	0	0	0	0	0	0	0	0	0.0708011	0	0	0	0
LOC105369971	0	0.026114	0.17935	0	0.50514	0.0461499	0.0618829	0.0481677	0	0	0	0	0	0	0.0778369

LOC105369980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105370024	0.0401789	0.0193588	0	0	0	0	0.045875	0	0	0	0	0	0.0259232	0	0
LOC105370068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105370203	0.248088	0.119533	0.0879582	0.328708	0.165157	0.211244	0.0404655	0.0944914	0.25898	0.133447	0.360077	0.0507181	0.0914657	0.0555692	0.508979
LOC105370306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105370333	0.573984	0.564171	0.322891	1.08837	1.14124	1.42712	0.471857	0.632536	1.03459	0.432246	1.45142	0.476413	0.444398	0.515982	0.956204
LOC105370361	0.0362516	0	0.00599798	0	0.0225245	0.00617356	0	0	0	0.0181998	0	0.0051878	0	0.0416827	0.0416496
LOC105370401	0.0209392	0.0100888	0	0.00539461	0.00813145	0.00445736	0	0.00465225	0	0	0.0354566	0	0	0.00273594	0.0150357
LOC105370457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105370473	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105370489	0.288088	0.208208	0.119163	0.0494805	0.0745833	0.163535	0.164465	0.213357	0.0584764	0.120527	0.0542025	0	0	0.326229	0.27582
LOC105370526	0.824987	1.06695	0.466965	2.64001	0.269787	1.03521	0.24788	0.810356	0.687454	2.72485	1.07836	2.60975	0.560292	3.74441	3.492
LOC105370586	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105370619	0	0	0	0	0	0	0	0	0	0	0	0.0539396	0	0	0
LOC105370622	0.0355318	0.097012	0.10778	0.146466	0.110386	0.0605097	0.0405691	0.115785	0	0.0743268	0.040111	0.169493	0.0152833	0.123803	0.187103
LOC105370697	0.0459644	0.00553658	0.038025	0.0118419	0.0356993	0.0489226	0.0131202	0.0612739	0	0.0144225	0	0.0411109	0.0889679	0.0360345	0.0825133
LOC105370757	0	0.024188	0	0	0	0	0	0	0	0	0	0.0359208	0	0.0262377	0
LOC105370792	0.932504	0.684486	0.636482	1.5725	1.0774	1.6799	0.886919	0.675962	1.60498	1.39286	1.60947	1.05323	2.46128	1.52252	1.53841
LOC105370802	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.20297
LOC105370829	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105370941	0.239028	0.222109	0.169492	0.123163	0.0795629	0.145378	0.116963	0.189668	0.0207935	0.0107145	0.0674583	0.0366495	0	0.182928	0.0980785
LOC105370943	0.154287	0.111507	0.159546	0	0.179746	0.262747	0.26424	0.342794	0	0	0	0.220793	0.174204	0.0403186	0
LOC105370954	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105371038	0.0447641	0.258816	0.259224	0.322915	0.903944	0.686089	0.153331	0.119348	0.0545177	0.168551	0	0.384359	0.17329	0.233957	0.321435
LOC105371046	0.190871	0.20692	0	0.0491744	0.518854	0.0812619	0.108965	0.16963	0	0	0	0.0682865	0.21551	0.074818	0
LOC105371049	0.159107	0.572805	0.514029	0.248425	1.14788	0.523326	0.929893	0.674473	0.116513	0.158718	0.134699	0.25879	0.0526122	0.362598	0.581655

LOC105371083	0	0	0.026777	0	0	0.0275608	0.0369566	0	0	0	0.0231601	0	0.0338338	0	
LOC105371184	0.0323227	0.0155736	0.0534792	0.0999284	0	0.0550447	0	0.0574514	0	0	0.0693833	0	0.067573	0	
LOC105371267	1.14181	0.460743	0.513618	0.1765	0.886812	0.303824	0.627397	0.405898	1.12117	0.0985248	0.177232	0.102124	0.0828776	0.115622	0.112735
LOC105371328	0.274917	0.0722506	0.0413511	0.0257555	0.155288	0.0638423	0.114142	0.17769	0.030438	0.0313682	0	0	0	0.313475	0.215354
LOC105371335	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105371414	1.86495	3.94094	3.28001	1.4225	3.39875	2.53827	5.54971	3.68025	0.304033	1.16114	0.215503	2.43769	0.445301	2.15663	3.79603
LOC105371430	5.69E-18	6.91E-21	1.89E-12	1.79E-14	7.42E-21	1.92E-21	0	3.45E-17	4.56E-25	0.0940571	1.86E-36	0	5.43E-32	0.0365789	1.16E-15
LOC105371433	0.078186	0.0565068	0.0323405	0.0402865	0	0.0332872	0.0892702	0	0	0.147197	0	0.0559442	0.10089	0.0204317	0
LOC105371458	0	0	0.0365373	0	0.0343026	0	0	0	0	0	0	0	0	0	0
LOC105371485	0.205555	0.734057	0.870253	0.0373818	0.657377	0.0514786	0.717893	0.526548	0.014726	0.182112	0	0.103821	0.00780135	0.101112	0.295203
LOC105371506	0.116297	0.0280168	0.0962089	0	0	0	0	0	0	0	0	0	0	0	0
LOC105371592	0.31345	0.453075	0.345744	0.215346	0.568045	0.57828	0.119296	0.324996	0.0636245	0.196706	0.117949	0.149521	0.033706	0.300341	0.450154
LOC105371703	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105371730	0.0298182	0.100883	0.174239	0.0458619	0.101678	0.195623	0.0516574	0.0528488	0.171195	0.0744294	0.0674298	0.0322474	0	0.0613146	0
LOC105371789	0.193396	0.155302	0.0533303	0.132867	0.100137	0	0.294418	0.0572914	0.0785115	0.0809106	0.0727733	0.0922533	0	0.168462	0.0925803
LOC105371795	0.0799051	0.196873	0.0896494	0.0470248	0.15333	0.254093	0.134124	0.138233	0.1783	0.216172	0.107832	0.135269	0.0554223	0.150456	0.0923721
LOC105371814	0	0	0.0778275	0	0	0	0	0	0	0.039359	0.0354006	0.0448766	0	0	0.225178
LOC105371824	0.152508	0.128591	0.126165	0.667946	0.236897	0.194788	0.0870642	0.203304	0.557212	0.717798	0	0.300089	0.0245993	0.139488	0.273776
LOC105371849	0.379488	0.213045	0.0832498	0.108525	0.261294	0.0849397	0.272562	0.209873	0.584344	0.133549	0.157928	0.125014	0	0.225923	0.0477534
LOC105371855	0	0.0196864	0.0252358	3.71E-07	0	0.0259745	0	0.0271102	0	9.38E-18	0.0229575	0.0363785	0.0131211	0.0323041	0
LOC105371880	0.385419	0.185701	0.10381	0.1755	0.250614	0.160273	0.194445	0.254905	0.0327486	0.0674986	0.0303551	0.115442	0.00578303	0.131168	0.102979
LOC105371899	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105371907	0.0998981	0.256706	0.247928	0.720635	0.258627	0.368602	0.380201	0.266343	0.324439	1.12844	0.0751816	1.1675	0.558599	1.65335	0.573865
LOC105371925	0.149692	0.288132	0.257434	0.193756	0.876952	0.313512	0.262585	0.158124	0.0752314	0.155898	0.0301521	0.402165	0.146007	0.245641	0.261703
LOC105371998	0.0426145	0.0929748	0.0539506	0.0422307	0.281262	0.10518	0.0935308	0.153096	0	0.0538387	0	0.164031	0.0137465	0.132621	0.124664
LOC105372028	0	0	0	0	0	0	0.055983	0	0	0	0	0	0	0	0

LOC105372038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105372068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105372069	0.335893	0.258942	0.500174	0.138459	0	0.257408	0.230107	0.567177	0	0.0421581	0.0758363	0.0480681	0	0.122887	0.241193
LOC105372071	0	0.0586878	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105372179	0	0	0.110349	0	0	0	0	0	0	0	0	0	0	0.0348575	0
LOC105372273	0.366059	0.744685	0.706603	0.544894	3.41169	1.10825	1.16098	0.650645	0.396283	0.357343	0.229575	1.36783	0.262421	1.78564	2.27806
LOC105372383	0.0381584	0.0275779	0.0473509	0.00983083	0.0296366	0.0162457	0.032676	0.008478	0	0	0.010769	0.00682583	0	0	0.0685003
LOC105372397	0.044938	0.0216518	0.0371759	0.0463099	0.0698042	0.0382641	0	0	0	0	0	0	0	0	0.0645366
LOC105372440	0	0.0559398	0.032016	0	0.0601156	0	0.0441873	0.137576	0	0	0.0436883	0	0	0	0
LOC105372441	0	0	0.0413511	0	0	0	0	0	0	0	0	0	0	0	0
LOC105372480	0.296284	0.30137	0.217873	0.542807	0.613641	1.03716	0.3007	0.175542	0.721681	0.495822	1.22638	0.51822	0.849603	0.378524	0.66189
LOC105372483	0.0943331	0.439361	0.416208	0.097213	0.879191	0.321294	0.287217	0.195616	0	0	0.141987	0.134996	0.0405755	0.164342	0.406423
LOC105372493	0	0.110403	0.18956	0	0	0	0	0.10182	0	0	0	0	0.147839	0	0
LOC105372582	0.0383692	0.107315	0.115161	0.0789009	0.0198669	0.0762321	0.0438088	0.0738593	0.0508613	0.0262077	0.0785733	0.00498029	0.0288816	0.0472909	0.101022
LOC105372633	0.0123627	0	0.0102273	0	0	0.0210534	0.0141154	0.010987	0	0.0155165	0	0	0	0	0
LOC105372653	0.0403893	0.0973008	0	0.166489	0	0.0343909	0	0	0.0983792	0	0.0911889	0	0	0.0211092	0
LOC105372672	0.0607429	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105372695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105372795	0.225566	0.206494	0.167944	0.139471	0.175191	0.17286	0.128772	0.140325	0.109886	0.0566217	0.127318	0.177538	0.072767	0.0589453	0.194365
LOC105372833	0	0	0	0	0	0	0	0	0	0	0.149574	0	0	0	0
LOC105372977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105372990	0.019182	0.00462108	0.0317374	0.0593027	0	0.0163332	0.0438027	0.00852367	0	0	0.010827	0.00686261	0.00618806	0.0551394	0.137739
LOC105373021	0.0416242	0.240662	0.103303	0.214475	0.129313	0.0708849	0	0	0.0506936	0.0522426	0.0469885	0.119133	0	0.0435092	0
LOC105373031	0.0660287	0.0636273	0	0	0	0	0	0	0	0	0	0	0	0	0.0948255
LOC105373044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105373051	0	0	0	0	0	0	0	0.0387337	0	0	0	0	0	0.0227789	0

LOC105373064	0.415612	0.526969	0.81432	0.202879	1.08731	0.372514	0.524484	0.505442	0.053281	0.109818	0.0493868	0.140865	0.0705661	0.525894	0.314143
LOC105373100	0.427741	0.184398	0.186241	0.1044	0.052455	0.0287539	0.42412	0.280104	0.013709	0.0988951	0.012707	0.120813	0	0.0764798	0.484966
LOC105373156	0.0235313	0.0115243	0.0146001	0.0184743	0.49781	0.0361225	0.0229884	0.0242065	0.0226728	0.077113	0.0511002	0.0180791	0.0116274	0.00981239	0.0530282
LOC105373159	0.198434	0.27863	0.239202	0.163593	0.220169	0.217239	0.258932	0.236815	0.200241	0.0853902	0.172805	0.154155	0.113397	0.157047	0.170986
LOC105373338	0.249386	0.192253	0.268203	0.2056	0.0387383	0.0637048	0.170845	0.443268	0.0607449	0.0626011	0.0563052	0.071377	0	0.156408	0
LOC105373352	0.0102312	0	0	0	0	0	0	0.0181853	0	0	0	0	0	0	0
LOC105373378	0	0	0.035063	0	0	0	0	0	0	0	0	0	0	0	0
LOC105373383	0.75194	0.221403	0.345588	0.0860996	0.454231	0.391274	0.524664	0.111377	0.559643	0.209725	0.51874	0.239126	0.0269527	0.0436663	0
LOC105373394	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105373496	0	0.0253424	0	0	0	0	0	0.140234	0	0	0.0593764	0	0	0	0
LOC105373553	0.251555	0.26934	0.277472	0.115215	0.173667	0.047599	0.478695	0.173881	0.272325	0	0.220869	0.0799975	0.25247	0	0.080281
LOC105373562	0.0615814	0.134945	0.0442161	0.11016	0	0	0	0	0	0.134166	0.181009	0.0764872	0	0.139672	0
LOC105373609	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105373656	0.480716	0.132352	0.340871	0.141541	0.106674	0.175424	0.156819	0.305158	0	0.0861926	0.387621	0	0.0886159	0.0717838	0.197248
LOC105373764	0	0.0132274	0	0	0	0	0	0.0487962	0	0	0	0	0	0	0
LOC105373782	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105373805	0.257893	0.0379109	0.0991998	0	0	0	0	0.053284	0	0.0866067	0.0941084	0	0.0386834	0	0.0861045
LOC105373876	0.0543264	0.471155	0.179771	0	0	0.138775	0.496225	0.193123	0	0	0	0	0	0	0
LOC105373878	0.203724	0.235578	0.101121	0.0419887	0.126582	0	0.0465211	0.108632	0	0	0	0	0	0.0851801	0.702176
LOC105374042	0.021895	0.0421974	0.0724525	0.0225635	0.102032	0.0186433	0.024999	0.038917	0	0.054961	0.0494335	0.0156665	0	0.0457732	0.31444
LOC105374060	0	0	0	0	0	0	0	0	0	0.0488183	0	0	0.0752863	0.101643	0
LOC105374194	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105374205	0	0.0208424	0	0.0891573	0	0	0	0.0768883	0	0.0542933	0	0	0.111639	0.0452171	0.186372
LOC105374297	0.401905	0.580932	0.609555	0.241602	1.19657	0.59888	0.497123	0.23812	0.163159	0.0840721	0	0.455326	0.0216089	0.385098	0.384791
LOC105374312	0.124091	0	0	0	0	0	0	0.0551411	0	0	0	0	0	0.0972834	0
LOC105374313	0.0313167	0	0	0	0	0	0.0715128	0	0	0	0	0.0448159	0	0	0

LOC105376671	0.0294067	0.0850115	0.0973091	0	0	0.0625985	0.0167878	0.0914697	0	0.0184542	0	0.0736444	0	0.0230538	0.0422317
LOC105376731	0.225002	0	0.0531821	0.0331244	0	0.0547389	0.1468	0.0285661	0	0.0806859	0	0	0	0	0
LOC105376736	0.0381269	0.0551104	0.0630826	0.117873	0	0.325472	0	0	0.282397	0	0.735612	0.0818425	0.0491986	0.0597804	0
LOC105376772	0.274917	0.0722506	0.0413511	0.0257555	0.155288	0.0638423	0.114142	0.17769	0.030438	0.0313682	0	0	0	1.72E-05	0.215354
LOC105376805	1.4694	1.11507	1.06364	1.40069	1.36949	0.656867	0.167771	0.750881	0.402652	1.15266	2.28081	0.473128	0.521427	0.940766	1.16063
LOC105376975	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105376997	0.0415495	0.0200192	0.0343726	0	0	0.0353788	0	0	0	0	0	0	0	0	0
LOC105377102	0.916253	0.894809	1.14113	0.44408	0.798387	0.154121	1.00124	0.466535	0.46164	0.452143	0.328343	0.370919	0.358914	0.242486	0.687493
LOC105377143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105377146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105377162	0	0.0753424	0.0323405	0.0402865	0	0.0665743	0	0.0347426	0	0	0	0	0	0	0
LOC105377213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105377245	0	0	0	0	0	0	0	0.0298948	0	0	0	0	0	0	0
LOC105377267	0.00778179	0	0	0	0	0	6.84E-13	0.00691581	0	0	0.026354	0	0	0	0
LOC105377342	0.0127721	0.0861531	0.200754	0.13162	0.0198395	0.0217506	0.0583311	0.181613	0.03111	0.0801515	0	0.0548327	0.0247215	0.0600773	0
LOC105377348	0.334836	0.582519	0.606759	0.527736	0.030595	0.441793	0.7691	0.455113	0.961008	0.494415	0.647715	0.380516	0.470192	0.425424	0.0848588
LOC105377372	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105377448	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105377458	0.082703	0.0996189	0.0684177	0.0142046	0.0214111	0.117368	0	0.208249	0	0	0.0155602	0.0295881	0	0.0288161	0.138567
LOC105377480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105377590	0.145249	0.0699833	0.0400535	0.0498945	0.150415	0.247356	0.386962	0.0430285	0.176897	0.24307	0.874498	0	0.187428	0.126523	0
LOC105377621	0.151064	0.14557	0.0499884	0.155676	0.281586	0.257259	0.206976	0.107403	0.147183	0.151681	0.784451	0.172945	0.136452	0.0631622	0.130168
LOC105377623	0.234064	0.18326	0.266247	0.0603024	0.454477	0.89686	0.0668116	0.0780061	0.24943	0.183609	0.165143	0.0628046	0.0566313	0.137623	0.798345
LOC105377651	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105377716	0	0.034759	0	0	0	0.0614277	0	0.0256454	0	0	0.0162878	0.0206477	0	0.0226226	0
LOC105377763	0.149209	0.438875	0.252491	0.13392	0.298561	0.0599569	0.169509	0.178943	0.0572572	1.90E-35	0.121741	0.0901394	2.66E-26	0.115596	0.109075

LOC105378586	0.0841025	0.248116	0	0.0434459	0.136072	0.0701306	0.0932253	0.203134	0.0548542	0	0.138795	0.0298043	0	0.107955	0
LOC105378591	0	0.0412988	0	0	0	0	0	0.0761764	0	0	0	0	0	0	0
LOC105378614	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105378663	0.119253	0.208592	0.284098	0.205742	0.483963	0.222639	0.324299	0.05546	1.78E-10	0.64254	0.233274	0.255658	0.241819	0.0780211	0.31944
LOC105378683	0.375546	0.429742	0.388348	0.0967529	0.291677	0.319773	0.107197	0.375474	0.114343	0.0589187	0	0.100768	0	0.0981385	0
LOC105378696	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105378828	0.227311	0.369635	0.658165	0.322094	0.595842	0.677431	0.405525	0.366152	0.346048	0.267467	0.22453	0.223639	0.265821	0.215329	0.265238
LOC105378853	0.0474729	0.0829153	0.0883642	0.0917292	0.0645241	0.151585	0.0406523	0.0369162	0.00722709	0.0670313	0.200966	0.00849204	0.034458	0.0465214	0.11931
LOC105378933	0.269497	0.129848	0.195079	0	0.0523277	0.229473	0.423092	0.0299383	0	0	0	0.0482081	0	0.0352127	0.048379
LOC105379030	0.0515435	0	0	0	0	0	0	0.0458076	0	0	0	0	0	0	0
LOC105379143	0.00880299	0.0678626	0.0218474	0.00907173	0	0.0449738	0.010051	0.0469402	0	0	0.019875	0	0	0	0
LOC105379152	0.1185	0.122739	0.112609	0.0562131	0.220886	0.340274	0.128586	0.0315939	0.0432959	0.0446189	0.0133772	0.016958	0	0.0123867	0.271734
LOC105379176	0.0957908	0.0461529	0.031698	0	0	0.0978775	0.0218742	0.0170262	0	0.0240455	4.40E-24	0	0.0123607	0.0300387	0.208804
LOC105379183	0.0802185	0.231903	0.298631	0.248003	0.249214	0.170763	0.183182	0.285166	0.0488486	0	0	0.0286993	0	0.335406	0.172806
LOC105379192	0	0.0324148	0	0	0.209007	0	0	0	0	0	0	0	0	0	0
LOC105379194	0.559349	0.47163	0.539855	0.576425	1.4119	0.357208	0.345933	0.269264	0.141922	0.412008	0.394647	0.283495	0.315778	0.621223	0.468589
LOC105379252	0.0774935	0.124027	0.111672	0.0463699	0.120374	0.0446993	0.142709	0.108859	0	0.00627499	0	0.0500827	0.00161285	0.00914549	0.0394901
LOC105379393	0.0798036	0.124964	0.0990288	0.04112	0.247925	0.0339759	0.0683379	0.0709228	0.024298	0.0500809	0.0450442	0.0142754	0	0	0
LOC105379450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105379477	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC105379511	0	0.196105	0.0802016	0.164462	0	0	0	0.00027967 3	0.332617	0.270189	0.36574	0.163994	0	0.0349918	0
LOC105379514	0.160716	0.0309741	0.0531821	0	0.0499294	0	0.0367	0.0571323	0	0.0403429	0.0362856	0	0	0	0
LOC105379550	0	0	0	0	0	0	0	0.013373	0	0	0	0	0	0	0
LOC105379807	0	0.0425068	0.0178264	3.00E-37	4.90E-44	1.45E-33	0	0.0202022	0	0	1.50E-18	0	0	0.0132174	0
LOC105447645	0.251583	0.481208	0.48954	0.268218	0.686281	0.643448	0.523579	0.300351	0.102244	0.675885	0.388406	0.497516	0.0715705	0.383816	0.258602

LOC283665	0.0855231	0.00912601	0.0081813	0.0188088	0	0.0166278	0.0455168	0.0405513	0	0	0	0	0	0	0
LOC283683	0.0490924	0.141402	0.0863044	0.0330181	0.124433	0.136446	0.0229226	0.0570233	0	0.100544	0.0448282	0.0458982	0.0413397	0.10224	0.207173
LOC283710	0.0446777	0.0322896	0.0554408	0.0230208	0.1041	0.0190212	0.0510116	0.0397058	0.108825	0	0.0504356	0.015984	0.0720646	0	0.288733
LOC283731	0.0180382	0.0173822	0.0223837	0	0.112078	0.00767966	0.0514887	0.0240463	0.0109843	0.0113199	0.0407258	0.0258137	0.0174573	0.0377103	0.0518104
LOC283788	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC283856	0.0604934	0.0291466	0.035746	0.0623402	0.0402716	0.176603	0.0986706	0.0230406	0	0	0.00975565	0	0.00557572	0.00451664	0.0620544
LOC283922	3.97021	3.83377	3.72053	1.85888	7.06588	2.79727	4.48094	3.74533	0.703658	1.07637	1.24648	1.75121	0.781297	3.16061	3.78423
LOC284009	0.642863	0.48397	0.498582	0.0414055	0.561705	0.239483	0.82575	0.642738	0.0489334	0.0504287	0.272142	0.172495	0	0.230992	0.346212
LOC284191	0	0.0101324	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC284240	0.0939501	0.0641277	0.0518148	0	0.109453	0.20666	0.134087	0.0417475	0.0572104	0.00982642	0.0441908	0.0280099	0.00505135	0.0368268	0.0787058
LOC284241	0	0.0702563	0.0172327	0.0214668	0	0.0532115	0	0.0185127	0.0507392	0.0261448	0.0470308	0	0	0.0217742	0.0299157
LOC284344	0.0672372	0.0647918	0.0222493	0.021108	0.0208885	0	0.0307077	0.0125564	0.0491324	0.0337558	0	0.012613	0	0.0562258	0
LOC284379	0.0188923	0	0.015629	0	0	0.0321731	0.0215706	0	0	0	0.021327	0	0.0121892	0	0.108527
LOC284395	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC284412	1.42176	1.59856	1.63982	0.681707	6.23985	4.76535	2.92892	1.8716	0.252516	0.483289	0.434684	0.811933	0.388583	0.87874	1.13435
LOC284454	2.89614	7.73759	10.0692	3.81808	7.25468	3.71015	8.84772	4.41728	1.92247	7.66288	2.73921	19.4718	3.24897	18.4979	9.21775
LOC284577	0	0	0	0	0.013044	0.0143004	0.0191756	0.00746285	0	0.021079	0	0	0	0	0
LOC284578	1.4788	0.382638	0.663832	0.0462329	0.0413885	0.144339	0.47299	0.466069	0	0.00804401	0	0	0.0124052	0.0200979	0.128859
LOC284581	1.01708	0.313801	0.0369036	0.0459707	0.0415757	0	0.814926	0.848394	0.0325971	0.951807	0.0100716	0.938413	0	0.0373032	1.25565
LOC284632	0.0125369	0.0120809	0	0.0387588	0	0.02135	0	0	0	0.0157351	0.0283051	0.0358818	0	0.0786278	0
LOC284788	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC284798	0	0.00332261	0	0	0	0.0176156	0	0	0	0	0	0	0	0	0
LOC284865	0.0519368	0.0500479	0.0343726	0.0321134	0	0.0530682	0.01186	0.0184629	0.0506026	0.0391116	0.0469042	0.00743244	0.00670188	0.0162867	0
LOC284898	0	0.018717	0.00803423	0	0	0	0.0332656	0.017262	0	0	0	0	0	0	0
LOC284930	2.32068	3.77833	3.55485	1.2089	1.4855	0.662295	3.17379	3.02565	0.232939	0.928221	0.5038	1.36855	0.287941	1.01963	0.457801
LOC284933	0.0328737	0.0475171	0.0815862	0	0.0255321	0.055983	0.412875	0.0292154	0	0.0825196	0	0.0588049	0.010605	0.154631	0.141632

LOC284950	0.134033	0.0143509	0.0739211	0.0153472	0.0462666	0.0380425	0.0340077	0.0529411	0	0.00934585	0	0.015984	0.0240215	0.0116753	0.203182
LOC285000	0	0	0	0	0	0	0	0	0.0199051	0	0	0	0	0	0
LOC285074	6.27157	5.61921	4.88228	3.31668	10.079	3.11211	5.93914	3.10322	11.9191	3.69598	6.16786	3.23194	2.11251	2.56002	2.34953
LOC285095	0.0620457	0.209262	0.153986	0.12788	0.0481892	0.0264156	0.247946	0.137853	0	0.0389369	0.0350209	0.110988	0	0.0162139	0
LOC285097	0.178283	0.134653	0.259101	0.00496556	0.0374236	0.0861599	0.236567	0.154161	0	0	0.0108789	0.0275819	0	0	0.0691991
LOC285191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC285593	0.145506	0.0848662	0.0696893	0.015784	0.0356874	0.0652085	0.122414	0.122507	0.00932681	0.00961182	0	0.0109593	0.0345872	0.0040025	0.0659888
LOC285626	0.0439425	0.0282296	0.0242349	0.0603787	0	0.0124722	0.0334481	0.026035	0.053517	0.0735365	0.0496056	0.104807	0.0850544	0.237318	0.063107
LOC285638	0.50477	0.649911	0.505308	0.454611	0.283324	0.0975187	0.653819	0.527761	0.0878218	0.585623	0.129287	0.185141	0.0848396	0.36136	0.383777
LOC285762	0.0466997	0.0642876	0.0662285	0.0343753	0.113993	0.0681672	0.0533202	0.0415028	0	0.00837328	0.00753117	0.0620563	0	0.104603	0.0670667
LOC285766	0.0112893	0	0	0	0	0	0	0	0	0	0	0.00807779	0.0291352	0.0236011	0
LOC285804	0	0	0	0	0	0	0	0	0	0.014873	0	0	0	0	0
LOC285819	0.0952941	0.039419	0.0593353	0.0328507	0.0183134	8.06E-40	0.0537796	0.0476035	0.0123728	4.91E-37	6.21E-37	0.00761941	0.0210809	0.0219583	0.0343351
LOC285847	0.0935343	0.0450662	0.0663241	0.01377	0.0622676	0.0341328	0.0152563	0.0593753	0.0162735	0.0335415	0.0150841	0.0860481	0.068969	0.0139672	0
LOC285889	0.0343114	0.0247976	0.00709621	0	0	0.0146079	0.0391757	0.0457397	0.0208937	0	0	0	0.0166032	0.00448316	0
LOC286059	0	0.0253809	0.00726311	0.0180953	0	0.0299029	0	0.0156052	0	0	0	0.00628205	0	0.0412975	0
LOC286083	0.0538927	0.0890273	0.057322	0.023802	0.227224	0	0.0791137	0.0821063	0.00937646	0.396182	0.00869116	0.391125	0.00496732	0.0563333	0.09951
LOC286177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC286178	0.00941157	0	0.00778591	0.0096989	0	0.0400691	0.0107458	0.0250927	0	0.023625	0.0743714	0	0	0	0
LOC286297	0.0476232	0.179699	0.243717	0.0182344	0.32444	0.155523	0.119114	0.0944699	0.0699856	0.0710074	6.20E-08	0.131445	0.00864056	0.347158	0.307862
LOC286359	0.011474	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC286437	0.988422	1.1016	0.900288	0.771665	0.744417	0.884135	0.715052	0.922792	0.583654	0.814516	0.619892	0.621516	0.605516	0.808806	0.759934
LOC338694	0.0702724	0.135433	0.213159	0	0	0	0.0802348	0.145722	0	0	0	0	0	0.024485	0
LOC338963	0.0509759	0.00818699	0	0	0	0.0144684	0	0	0	0	0.0383636	0	0	0	0
LOC339059	0.292402	0.589624	0.573381	0.558016	2.40558	0.903691	1.12521	0.442728	0.448438	0.407771	0.0733522	1.28632	0.0698726	0.752789	1.05759
LOC339166	0.012709	0	0.0105138	0.013097	0.0592243	0	0	0.0112947	0	0	0	0	0	0.0132845	0

LOC339192	0.219365	0.132117	0.226843	0.25432	0.724094	0.256832	0.125232	0.146215	0	0.0344158	0.154773	0.0196202	0.0353834	0.157644	0.433175
LOC339260	0.0137103	0.0132117	0.0113422	0	0.0212969	0	0.0469621	0	0	0	0.0154773	0	0	0	0
LOC339298	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC339529	0.0128644	0	0.0106423	0	0	0	0.0293763	0	0	0	0	0.0276145	0	0	0
LOC339539	0.0195713	0	0.00809538	0	0	0	0.0223459	0	0	0	0	0.0280076	0	0	0
LOC339593	0.0101772	0.0490355	0.0589353	0	0.0316175	0	0	0.00904469	0	0.0127735	0.0229777	0.00728209	0	0	0
LOC339666	0.237822	0.286466	0.405783	0.0765883	0	0.0379692	0.118798	0.369874	0	0.0932784	0.0503384	0.0957195	0.0191802	0.170907	0.490967
LOC339685	0.00530561	0	0	0.0109352	0.00824144	0.0180706	0.0121155	0.0235759	0	0.0332954	0	0	0.092425	0.0249565	0.015239
LOC339803	0.606408	0.423002	0.336938	0.690211	0.337419	1.58758	0.413359	0.466532	0.165344	0.590708	1.77781	0.291426	0.426289	0.477768	0.922871
LOC339862	0.0198568	0	0	0.020463	0	0	0	0.017647	0	0.0373834	0.0560395	0	0.00640574	0.005189	0
LOC339874	0.245705	0.10711	0.077434	0.084402	0.072698	0.0597755	0.106872	0.145575	0	0.132165	0.0528324	0.0418591	0	0.0489204	0.100818
LOC339902	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC339975	0.0570963	0.09175	0.0708512	0.107872	0	0.0081028	0.0217303	0.0169142	0	0	0	0	0	0.0447616	0.0409988
LOC340090	0.0784843	0.179621	0.202899	0.0202201	0.304783	0.0334142	0.134416	0.0784691	0.227014	0.0123132	0	0.0561576	0	0.0102548	0
LOC340357	0.111354	0.214608	0.291713	0	0	0.0632109	0.296661	0.379355	0.0226028	0	0	0	0	0	0
LOC340512	0.599666	0.523989	0.47927	0.366594	0.110516	0.199051	0.499004	0.514868	0.0371352	0.165837	0.103263	0.225447	0.0459036	0.233731	0.321124
LOC341056	0.0113114	0	0	0	0	0	0	0	0	0	0.0127691	0	0	0	0
LOC343052	0.0350652	0.0506849	0.0870253	0	0.163405	0.0298576	0.0400363	0	0	0	0	0	0	0.0916331	0
LOC344967	0.0573913	0.0967821	0.118695	0.0443576	0.178297	0.012217	0.0163819	0.0255023	0.0349481	0.018008	0.0647877	0.0307988	0.0555429	0.0449928	0.0206053
LOC349160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC374443	1.68078	1.20326	1.34542	1.83728	1.06759	1.21098	1.32858	1.30627	0.198899	0.725959	1.5133	0.423603	0.667342	0.985142	1.83723
LOC375196	4.01E-22	0.043512	0.0462604	0.0902539	0.149502	0.25197	0.17688	0.0231301	0	0.168688	0.19546	0.0156665	0.0565063	0.10738	0.103425
LOC387810	0	0.0107997	0.0185429	0	0	0	0	0	0	0	0	0	0	0.00585742	0
LOC388242	0.250534	0.0433805	0.0518148	0.0363069	0.0608071	0.109996	0.089391	0.0489668	0	0.0540453	0.203278	0.0252089	0.0126284	0.0429646	0.196765
LOC388282	0.0538628	0.112458	0.14853	0.185024	0.139446	0.0458635	0.204996	0.0957376	0.240529	0.292948	0.304022	0.308322	0.567616	0.0844532	0.257846
LOC388436	0.0322158	0.0314269	0.0199884	0.0601834	0.0882628	0.0279982	0.0666692	0.0438143	0.00853359	0.0126357	0	0.0222796	0.0112329	0.0488771	0.123197

LOC388780	0.0277162	0.0400623	0.0687865	0.11425	0	0.1652	0.126582	0	0.0337553	0.243507	0.250305	0	0.0894118	0	0
LOC388813	0	0	0	0.0143413	0	0	0	0	0	0.0174666	0.0314199	0	0.0448941	0.0145467	0.0599573
LOC389199	0.288529	0.112451	0.163775	0	1.06149	0.169978	0.1835	0.0952205	0	0.0904285	0.161269	0.103283	0.0460857	0.253496	0.6971
LOC389247	0.148163	0.0713872	0.122571	0.0916117	0.0920593	0.0756953	0.0338335	0.0790049	0	0.148768	0.066903	0	0.0382376	0.139386	0.127668
LOC389602	0	0	0	0	0	0.00400854	0	0	0.0114669	0.0413605	0.0372008	0.00673697	0	0.00738135	0.0202826
LOC389641	0.223207	0.492441	0.417898	0.544788	0.510952	0.660201	0.482875	0.208808	0.343378	0.221169	0.556993	0.46232	0.576048	0.374533	0.253069
LOC389705	0.0250737	0.0483236	0.0414855	0	0.0389482	0.0426999	0	0.0668503	0	0.0314701	0	0	0	0.0393139	0
LOC389765	1.31774	1.14003	1.20418	0.590395	0.346596	0.827459	0.753916	1.10468	0.207936	0.509058	0.450533	0.343539	0.211618	0.458283	0.724238
LOC389831	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC389834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC389895	0	0	0	0.0191563	0.0866245	0.0158281	0	0	0	0	0	0	0	0	0
LOC389906	2.26133	5.46016	6.34978	3.70195	5.19868	5.38037	6.34412	1.96374	2.28192	3.77886	6.57881	6.12081	5.38578	2.61362	3.67437
LOC390705	0	0	0	0	0.0413209	0	0	0	0	0	0	0	0	0	0
LOC390877	0	0.0216098	0	0	0.0696689	0	0	0.0797194	0	0	0	0	0	0	0
LOC391322	0.0245419	1.99837	2.43634	0.910483	2.43981	0.0835886	1.76534	0.174487	0.179336	0.184816	0.498686	0	0	0.923522	0.493435
LOC392196	0.739292	0.52656	0.398866	0.314682	0.4244	0.177901	0.1101	0.55704	0	0.0806859	0.0362856	0.0919971	0	0.0419985	0.115404
LOC392232	0.0179509	0.00869158	0.00729077	0	0	0.00755334	0	0	0	3.52E-27	0	0	0	0.0598791	0.0396225
LOC392364	0	0.0219934	0	0	0.0709056	0	0	0	0	0.0286459	0	0	0	0	0.163887
LOC392452	0	0.083214	0.0285755	0	0	0	0	0.0306979	0	0	0	0	0	0	0
LOC399715	0.483772	0.319557	0.561586	0.450296	0.181806	0.0597957	0.579083	0.499281	0.0760233	0.244832	0.0616586	0.0949127	0.0453088	0.326246	0.560289
LOC399716	0.410784	0.322421	0.38916	0.416497	0.144085	0.039491	0.416066	0.6006	0.0645534	0.133052	0.0598354	0.12326	0.0598468	0.155826	0.275939
LOC399815	0.0328737	0.0633561	0.0271954	0.0225848	0.0170214	0.0653135	0.0500454	0.0194769	0.0133455	0.0137533	0.0247402	0	0.0212099	0.0229083	0
LOC399886	0.0623802	0.240446	0.16956	0.569378	0.512175	0.675331	0.0508741	0.0791976	0.0108532	0.223696	0.0301798	0.554745	0.0862444	0.386574	0.012798
LOC399975	3.3208	2.56064	2.18503	1.46665	0.487952	0.938901	1.17115	2.27326	2.77172	2.37364	1.65004	2.46787	2.21702	2.29849	1.27974
LOC400464	2.33E-09	0.150557	0.230208	0.116614	0.285602	0.421555	2.30E-26	0.123852	0.381994	4.03E-33	0.290494	1.43E-21	0.053615	0.0949686	0.362025
LOC400541	0	0.0781133	0.0335299	0.0417681	0.125916	0.0690228	0.185107	0.144081	0	0	0.0457542	0.0290008	0	0.105916	0.116415

LOC400553	0	0.053868	0.0924906	0	0.0868337	0.0951981	0.255304	0.0993605	0	0	0	0.0799975	0	0.116865	0
LOC400622	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC400627	0.170903	0.470412	0.390901	0.13012	0.666592	0.139907	0.526016	0.464288	0.0271973	0.0849911	0.0172241	0.403999	0.167151	0.311068	0.72301
LOC400655	0	0	0	0	0.0270905	0.0519751	0	0	0	0	0	0	0	0.00455749	0
LOC400682	0	0.0063791	0.00547642	0	0	0	0	0	0	0	0	0.00947338	0	0	0
LOC400684	0.0730065	0.26968	0.30198	0.225706	0.52922	0.186492	0.111142	0.194646	0.0889137	0.122174	0.16483	0.174127	0.157011	0.165344	0.244642
LOC400706	0.451957	0.487367	0.183978	0.110894	0.289733	0.32375	0.163819	0.248648	0.104844	0.036016	0.145772	0.133461	0	0.116231	0.0721185
LOC400710	0.0734311	0.0825539	0.0911211	0.0504486	0.28516	0.156314	0.0698678	0.0652595	0.313008	0.0307212	0	0.201411	0.0947548	0.0383783	0.0175761
LOC400743	0	0.0566983	0	0	0	0	0.134359	0	0	0	0	0.0280669	0	0.020501	0.0563328
LOC400794	0	0	0	0	0	0	0	0	0	0	0	0	0.00828163	0.0134172	0
LOC400800	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00526811	0
LOC400867	0.0181609	0.00583347	0.00500799	0.0187153	0.0282102	0.0773189	0.0207355	0.0322798	0.191689	0.00759794	0.0273352	0.00866308	0	0.0158195	0
LOC400940	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC401021	0.558873	0.373426	0.427332	0.401283	0.670765	0.431691	0.509781	0.504656	0.0372728	0.210806	0.0853569	0.242087	3.20E-26	0.54427	1.00624
LOC401127	0.126311	0.155528	0.267039	0.0723153	0.348809	0.0956022	0.160242	0.0623639	0.0170926	0.0528446	0.0316866	0.0702949	0.162991	0.080686	0.0806218
LOC401176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC401261	2.18442	2.22282	2.12108	0.660557	1.67693	0.840234	1.99335	1.8214	0.308152	0.52928	0.09521	0.597445	0.195898	0.991801	1.61095
LOC401312	0.0625005	0.0129059	0.0147728	0.0828111	0	0.0304105	0.0203889	0.0476102	0	0.0112064	0	0	0.00576072	0.0326655	0
LOC401324	0	0	0	0	0	0	0	0	0	0	0	0.00912619	0	0	0
LOC401357	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC401442	0.0126672	0.0366196	0.0209585	0.0652698	0.098383	0.010786	0	0.0225152	0.154273	0.0158987	0	0.0181275	0.00817284	0.0331023	0
LOC401463	0.0483503	0.00775429	0.0332851	0.104732	0.224999	0.10963	0	0.0429088	0.0196006	0.011197	0.0726721	0.00575781	0.048392	0.0316059	0.266197
LOC401478	0.00516932	0	0	0	0	0.0176064	0	0	0	0	0	0	0	0	0
LOC401554	0.0355173	0.0650285	0.0411353	0.00732032	0.0551706	0.036291	0.0648839	0.0820685	0	0.0178311	0.0160378	0.00508271	0.00916622	0.025988	0.0102015
LOC401557	0	0	0	0	0	0	0	0	0	0	0	0.00444073	0	0	0
LOC403312	0.145464	0.150279	0.12023	0.0506257	0.162756	0.0542364	0.116008	0.0432259	0.0168402	0.0530786	0	0.175064	0.0176105	0.13248	0.146437

LOC403323	0.0774966	0.249591	0.176963	0.166011	0.426861	0.134604	0.625955	0.0360659	0.669229	4.83E-25	0.0189071	0.229591	0.074856	0.860276	7.36E-16
LOC407835	0	0	0	0	0.0632388	0	0.0155696	0.0359899	0	0.0684197	0.0463066	0	0.0263682	0	0
LOC414300	0.0209629	0.0606015	0.017342	0.0432058	0	0.0356993	0	0.0372602	0.0510609	0	0.0709935	0.029999	0.0135252	0.0219123	0.0903162
LOC439933	0	0	0.0107559	0	0	0.0110708	0.0296899	0.0115548	0	0	0	0.0186061	0	0	0
LOC440028	0.310443	0.357053	0.331381	0.196081	0.280002	0.588366	0.45736	0.364895	0.085374	0.351931	0.260013	0.114648	0.239064	0.245994	0.359545
LOC440040	0	0	0	0	0	0	0	0	0	0	0	0	0	2.58E-36	0
LOC440084	0.0641971	0.0927934	0.0265542	0.0330785	0	0.0273315	0.0366491	0.057053	0	0	0	0.0229674	0	0.0503283	0.0460976
LOC440173	2.20086	2.37735	2.14924	1.46582	3.84916	1.05507	2.49759	1.8049	0.536817	0.854478	0.651826	1.31436	0.254813	1.51486	1.03633
LOC440300	3.82323	4.40246	4.30618	1.93964	7.84493	1.60586	3.24815	4.05225	0.769772	2.59148	0.485883	6.39575	0.871333	3.23702	2.99563
LOC440311	0.0543903	0	0	0.0140127	0	0	0.0465758	0	0	0	0	0	0	0	0
LOC440346	0.416651	0.419747	0.438687	0.117101	0.588366	0.129008	0.432471	0.336622	0.184521	0.19016	0	0.189716	0	0.0791854	0.32638
LOC440434	7.47937	11.3929	11.9334	12.5746	13.9615	8.2825	10.5011	9.23572	9.89192	14.3559	5.2749	18.2575	12.0237	16.4135	7.83478
LOC440570	0.021907	0.0296656	0.0140424	0.0116572	0.0419961	0.00964659	0.0967735	0.0168654	0.0357171	0.0189839	0.00613587	0.016121	0.00411154	0.195501	1.05E-12
LOC440700	0.076506	0.0276463	0.0632911	0	0	0.016286	0.065514	0.0849902	0.0232939	0.0480114	0	0	0	0	0
LOC440895	0.00038522	0.106853	0.00279363	0.00057274	1.50E-37	0.0970844	0.0820248	0.0547396	0	1.25E-05	1.34E-20	0.0390448	0.0155075	0.0915585	0.00032404
	7			7											6
LOC440896	0.00452278	0.00871657	0.00748312	0	0	0.00770217	0.0154919	0.00803894	0	0.00567655	0	0.0097085	0.00291807	0.0165466	0.0129906
LOC440910	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.133786
LOC440934	0.029388	0.0530985	0.0303898	0.0567847	0.0342373	0.0563029	0.0209714	0.0293823	0.0313174	0.0138319	0.0248815	0.0131424	0.0474025	0.00383986	0.0422049
LOC440982	0.0350122	0.0168694	0	0	0	0.0596248	0.0399758	0	0	0	0	0	0	0	0
LOC441052	0.0157436	0.0227565	0	0.0324484	0.0733656	0.0402163	0	0.0139916	0	0.0197598	0	0.0174727	0	0	0
LOC441081	12.1679	9.98138	10.6927	5.67442	19.8672	7.01768	11.4997	9.72072	0.357185	2.96677	2.24816	3.83982	0.923528	6.19737	15.8828
LOC441086	0.0502018	0.024188	0.0165476	0	0.0841103	0.056995	0.0191063	0.0148717	0	0.0420057	0	0.0176994	0.035603	0.0686309	0
LOC441087	0	0	0	0	0	0	0	0.017386	0	0	0	0	0	0	0
LOC441155	0.480337	0.412296	0.415987	0.426188	0.0935269	0.454283	0.367361	0.411343	0.286654	0.377594	0.332381	0.246257	0.62032	0.351414	0.244114
LOC441179	0.0425424	0.0505075	0.147815	0.0470522	0.402013	0.0579588	0.116576	0.0756162	0.0207247	0.0854321	0.201705	0.0487043	0.104303	0.166823	0.207301

LOC441204	0.116737	0.0562455	0.092549	0.0501252	0.105777	0.0807623	0.162434	0.131844	0.00592384	0.0244194	0.0741269	0.0469846	0.0345207	0.0266926	0.125736
LOC441242	0.44418	0.508905	0.504568	0.188562	0.40002	0.261956	0.275614	0.446497	0.115549	0.144597	0.183206	0.270641	0.0437241	0.188265	0.233579
LOC441454	2.2456	2.44653	3.21651	0.88076	1.04125	0.342465	2.0282	2.97866	0.224505	0.336532	0.151343	0.587555	0.0216254	0.656892	1.10708
LOC441455	0.126465	0.101554	0.116245	0.0289612	0.130962	0.0239296	0.208568	0.112391	0.0171133	0.0176363	0.0475877	0.030163	0	0.022032	0.0201799
LOC441601	0	0.263661	0.452703	0	0	0	0	0.060791	0	0	0	0	0	0	0
LOC441666	0.177195	0.185817	0.132217	0.0859316	0.0377787	0.139046	0.0595045	0.11116	0.0169258	0.126462	0.12551	0.0646369	0.0156917	0.161613	0.194598
LOC442028	0	0.0133942	0.00574942	0.0214861	0.0647732	0	0	0.0247058	0	0	0	0.0248641	0	0.0145292	0.0199618
LOC442132	0.0181088	0	0	0	0	0.0308388	0	0	0	0	0	0	0	0	0
LOC442497	0.0720967	0.0248124	0.0255615	0	0.111991	0.00876992	0.0117597	0	0.0250873	0	0	0	0	0	0
LOC494127	0	0	0.0142877	0	0	0	0.0197194	0	0	0	0	0	0	0	0
LOC494141	0.00857527	0.0124836	0.00712748	0.0444706	0.0262131	0.0218099	0.00976202	0.00767712	0.0103076	0.0322481	0.0947533	0.024687	0.0278961	0.017868	0
LOC497256	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC51145	0	0	0	0.068435	0	0.0565452	0.037911	0	0	0	0	0	0	0	0
LOC541472	0.135736	0.0408749	0.0280727	0.0874252	0.0527114	0.0722361	0.309959	0.0452367	0	0.0425908	0.0766147	0.0121404	0.0218941	0.0532063	0.341136
LOC541473	0.837256	1.75487	2.30689	0.429686	0.841942	1.94835	2.29104	1.43207	0.388664	0.372398	0.301809	0.870586	0.241528	0.798893	0.47408
LOC550113	0.00397833	0.0570439	0.00329115	0.0757026	0.00068663 6	0.00037638 9	0.0752233	0.183751	0.0021534	0.00277401	0.00049900 5	0.00347918	0	1.06E-05	0
LOC554206	0.490981	0.333337	0.406174	0.34498	0.415998	0.380058	0.662511	0.238005	0.0815399	0.224084	0.176354	0.0159686	0.0719951	0.17496	0.0320505
LOC554249	0.834674	1.24608	1.77895	0.514104	1.14702	0.457094	1.33374	0.717492	0.563136	0.397167	0.540344	0.469644	0.173863	0.425736	0.189035
LOC574538	0.0398057	0.038358	0.0197581	0.00820419	0.126506	0.0271152	0.0181796	0.0070752	0.00969578	0	0	0	0	0	0.102899
LOC606724	0.936211	0.48582	0.856277	0.482903	1.07214	0.603673	0.496377	0.455269	0.16172	0.163791	0.265866	0.368868	0.0258896	0.546753	0.638847
LOC613038	0.250534	0.0433805	0.0518148	0.0363069	0.0608071	0.109996	0.089391	0.0489668	0	0.0540453	0.203278	0.0252089	0.0126284	0.0429646	0.196765
LOC613206	0.385718	0.557534	0.159546	0.529991	0.399435	0.383172	0.2936	0.228529	0	0.0806859	0	0.183994	0	0.638377	2.49273
LOC613266	0.0480745	0.0648564	0.127266	0.00990843	0.0149353	0	0.010978	0.145264	0	0	0	0.00687971	0	0.0100503	0
LOC641367	1.13396	0.596027	0.65382	0.274438	0.133442	0.219443	0.902378	0.748191	0.0315479	0.129699	0.223047	0.196698	0.0221704	0.282859	0.382452
LOC641746	0.0202654	0.00976416	0	0	0.0944374	0.0172557	0.0231383	0.0180102	0	0	0	0.0145004	0	0.0105916	0

LOC642131	0.0176127	0.0339442	0	0.0363007	0.0273586	0.0599878	0	0	0	0	0	0	0.0340908	0	0
LOC642361	1.29163	1.22427	1.45016	0.826182	3.41942	2.84856	1.34914	0.761136	1.17992	1.1887	2.64774	0.716124	1.17346	0.954244	0.943615
LOC642366	0	0	0	0	0.0161014	0.00294207	0.00394506	0.00307071	0	0	0	0	0	0	0
LOC642423	1.35091	0.662372	1.29552	0.547664	5.49075	0.710854	1.07074	0.0848894	0.327901	0.638229	1.41E-05	1.43049	1.18374	1.03144	0.925529
LOC642484	0.0180946	0.0697462	0.0972996	0.0279706	0.0140536	0.00770368	0.0619796	0.0402025	0.0220372	0	0.0306399	0.0194208	0.0116746	0.0189141	0
LOC642648	2.11909	3.27961	2.67209	1.05219	2.01491	0.891254	2.25088	3.30999	0.164234	0.781784	0.275464	1.56681	0.0994347	0.879312	1.35564
LOC642846	1.34664	1.72883	1.26463	1.88475	2.1078	2.44125	1.56139	1.03535	0.248932	0.4859	0.609471	1.73866	0.40989	1.13941	0.675957
LOC642852	0.500652	0.840386	0.89248	0.48265	1.34966	0.981862	0.619572	0.413362	0.125881	0.372968	0.470371	0.25885	0.262583	0.720839	1.03907
LOC642929	0	0	0.0388742	0	0	0	0	0.0208808	0	0	0	0.151305	0	0	0
LOC642943	0	0.0305709	0.0113668	0	0	0.00389986	0	0.00814075	0.005578	0.0114969	0	0.0131086	0	0	0
LOC643072	0.6711	0.586633	0.622815	0.609948	0.814952	1.06833	0.620914	0.577108	0.405357	0.498008	1.26976	0.272324	0.22861	0.343128	0.583634
LOC643201	0	0	0	0	0	0	0.00615657	0.00479208	0	0.0135354	0	0	0	0.016909	0
LOC643327	2.048	2.19022	1.6334	1.30256	8.33736	1.19088	2.90285	1.05683	0.597169	1.80071	2.74E-12	2.0274	2.10E-14	2.81673	0.548762
LOC643339	0.12012	0.0578755	0.132495	0.0825245	0.0621958	0.10228	0.137149	0.213505	0	0.0502542	0	0.0286496	0	0.146486	0
LOC643387	0	0	0	0	0	0	0	0	0	0	0	0.00669788	0	0	0
LOC643406	3.87724	3.41851	3.45951	1.65513	1.01273	0.879935	2.6355	4.07308	0.542872	1.23152	0.433895	2.0192	0.29665	2.70999	2.57434
LOC643441	0	0	0	0	0	0	0.0121713	0	0	0	0	0.00762758	0.00687783	0	0
LOC643542	0.0160211	0	0.00640106	0	2.45E-43	0.00680103	0	0	0	0	0	0	0	0	0
LOC643711	0.00532024	0	0.00440128	0	0	0	0	0	0	0	0	0	0	0	0
LOC643802	0	0	0	0.05568	0	0.0153354	0	0	0.0219343	0.203441	0.3253	0	0.104581	0.00941289	0.0258649
LOC644090	0.460558	0.242077	0.216481	0.172589	0.243888	0.133691	0.394388	0.288375	0.0127479	0.0656873	0.059081	0.0449375	0.108054	0.0328238	0.255549
LOC644135	0.132667	0.0710234	0.0243893	0.0151908	0.0457951	0.062758	0.100983	0.0917028	0	0	0.116484	0.0421897	0.0380427	0.231126	0.635089
LOC644189	0	0.0258716	0.0333159	0.0138339	0	0.0228608	0.0153271	0.0119302	0	0.11794	0.0151541	0.00960526	0.0173222	0.00701599	0.0385572
LOC644285	1.06083	1.03295	0.97674	0.548897	0.627421	0.438415	0.978103	0.994062	0.102709	0.59052	0.315672	0.606609	0.040093	1.3571	0.68844
LOC644554	0.0874974	0.17917	0.126672	0.135253	0.271827	0.167631	0.174828	0.116641	0	0.0274545	0.0740802	0.046955	0	0.0457299	0.0314143
LOC644634	1.24735	1.25897	0.802302	1.15219	1.68161	1.10199	0.906013	0.941399	0.243545	0.285455	0.418711	0.435254	0.399374	0.463953	0.98731

LOC644656	0.607429	0.634115	0.519258	0.563376	0.691935	0.603421	0.670425	0.341894	0.665802	0.381193	0.754283	0.31873	0.470292	0.539697	0.726954
LOC644669	0	0	0	0	0.0171431	0	0	0.00980812	0	0	0	0	0	0	0
LOC644762	0	0	0	0	0	0	0	0	0	0	0.0323738	0	0	0	0
LOC644794	0.871318	2.04787	2.32067	1.13882	1.50201	2.20765	1.55292	0.934892	0.401173	0.30674	0.347862	1.10244	0.219383	0.971866	1.61756
LOC644936	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC645177	0	0.0276463	0	0	0	0	0.032757	0.00849902	0.0815287	0	0	0	0.0123403	0.00499817	0
LOC645188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC645485	0.0745588	0.0359236	0.0863524	0.030734	0.0463262	0.17776	0.0851288	0.0927663	0.199769	0.0748632	0.0168335	0.0426791	0	0	0.0642455
LOC645513	4.41438	3.27569	3.25746	2.03569	2.94695	1.69793	4.03529	2.90855	1.13755	1.92994	2.4387	2.2063	0.472513	2.18529	1.69267
LOC645752	0.0473191	0.011021	0.00688448	0	0	0.0640051	0.00926731	0.0263941	0.00904255	0	0.0167633	0	0	0	0
LOC645967	0.297365	0.520479	0.408397	0.232945	1.00014	0.389099	0.473501	0.308672	0.10018	0.0980025	0.572774	0.233114	0.368182	0.318409	0.231106
LOC646029	0.125437	0.151093	0.145278	0.0517064	0.0194846	0.0640846	0.128898	0.390172	0	0.0314872	0	0.0628273	0	0.104894	0.180143
LOC646030	0.0281889	0.0950727	0.163239	0	0	0	0.0965554	0.100208	0	0	0	0	0	0.0294655	0.0809655
LOC646214	7.25081	6.74767	6.72737	3.24724	2.13984	1.81942	4.66222	6.61096	1.21536	2.68706	0.830435	3.99082	0.56788	4.78056	5.40078
LOC646383	0.0239081	0.0691158	0.0791139	0	0	0	0.054595	0	0	0	0	0.0513207	0	0.0124954	0
LOC646471	1.75777	1.75094	1.77977	0.975846	2.80324	1.01369	1.32025	1.31511	0.50333	0.556759	0.253201	1.32679	0.203867	1.06895	0.53903
LOC646522	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC646548	0.00777395	0	0	0	0	0	0	0.00690884	0	0	0	0	0.0150471	0.00406301	0
LOC646626	5.06E-20	0.0363125	3.17E-25	0.436118	0.264969	0.271862	0.033372	0.0952941	0.202431	0.0747967	0.14874	0.16358	0.171569	0.190001	0.317065
LOC646730	0	0	0	0	0	0	0	0	0	0	0	0	0.0152833	0	0
LOC646736	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0129364	0
LOC646762	1.29921	1.10184	1.11964	0.731597	1.0566	1.81074	1.08829	1.05162	0.2642	0.41544	0.45444	0.430683	0.359801	0.609663	1.08144
LOC646813	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC646903	0.212105	0.085163	0.175469	0.0607169	0.0732162	0.0903025	0.0941792	0.104723	0.0143511	0.103528	0.226138	0.101178	0.159658	0.172442	0.0846139
LOC646938	0.240572	0.255005	0.278626	0.0991667	0.373692	0.245813	0.439484	0.342081	0.058598	0.0603886	0	0.309845	0	0.15088	1.38197
LOC647070	0.468668	0.216043	0.223358	0.173281	0.0870439	0.251891	0.157043	0.466314	0.0310209	0.134269	0.132267	0.102103	0.0493363	0.143773	0.26383

LOC648987	0.633844	0.630044	0.640125	0.510121	1.1073	0.949848	0.723121	0.463018	0.200924	0.832047	0.717921	0.544232	0.493144	0.723359	1.08982
LOC649133	0.11963	0.707397	1.12462	0.13449	0.10136	0.055562	0.807124	1.50778	0.0529805	0.0136499	0	0.194543	0.0140336	0.0738921	0.0780929
LOC649352	0.0885012	0.298488	0.11343	0	0.274946	0	0.151572	0.0438093	0.0538922	0	0.0499534	0.0316625	0	0	0
LOC650226	0.0832983	0.00668907	0	0	0	0.047285	0	0	0	0	0	0.0198674	0	0.0145118	0.219316
LOC651337	0.799015	1.22542	1.2756	0.4063	1.96559	0.554925	1.22073	0.973024	0.112437	0.252909	0.0359662	0.777832	0.0749757	0.792665	1.03392
LOC652276	2.16116	3.42369	4.16387	2.26046	3.17652	2.6038	3.12313	3.11009	2.15128	1.80225	0.878858	2.03138	1.71418	2.77565	2.14272
LOC653080	0.22337	0.205888	0.212907	0.0650534	0.211199	0.0868288	0.171872	0.146727	0.0118278	0.030473	0.109633	0.083388	0.0125319	0.0761366	0.0488154
LOC653160	0.919835	0.67365	0.902997	0.328611	0.59058	0.543038	0.630143	0.58858	0.0448102	0.230898	0.263056	0.23694	0.118695	0.423056	0.810213
LOC653653	0.264569	0.170849	0.206	0.152779	0.108309	0.0905504	0.164173	0.232017	0.197946	0.185407	0.18793	0.0480234	0.0729138	0.108224	0.0300161
LOC653712	0.225527	0.263464	0.155072	0.209055	0.396628	0.0964759	0.185402	0.269438	0	0.166752	0.0264762	0.130533	1.27E-39	0.194921	0.838595
LOC654780	0.55656	0.948415	0.891485	0.598914	0.781603	0.251294	0.390043	0.553097	0.443495	0.34547	0.296559	0.483884	0.134626	0.160437	0.0260575
LOC654841	0.0647487	0.0490238	0.137738	0.133451	0.129313	0.149646	0.0528057	0.0986456	0.0112652	0.023219	0.0313257	0.0860404	0.0596794	0.0145031	0.119555
LOC692247	0.369796	1.29176	1.32566	0.254057	1.53179	0.734711	0.492591	0.848996	0.300246	0.850908	0.417453	1.67579	0.23859	0.579814	1.32768
LOC727751	0.779935	0.808404	0.725673	0.549052	1.45233	0.108128	0.378812	0.876031	0.734894	0.770153	0.080893	2.02068	1.35918	0.869494	0.808723
LOC727896	0.25535	0.301123	0.373513	0.462216	0.364521	0.143794	0.32562	0.250098	0.0757973	0.311382	0.0931606	0.361083	0.0308337	0.373361	0.613984
LOC728024	0.620873	0.629681	0.552152	0.319914	0.216997	0.303983	0.443058	0.455219	0.0756154	0.272741	0.175222	0.133275	0.13019	0.283934	0.378952
LOC728095	0.958745	0.205306	0.50673	0.0548897	0.124105	0.13606	0.729776	0.402358	0.0648691	0.0334257	0.030064	0.0952789	0	0.278379	1.18565
LOC728158	0.023369	0.00769845	0.0128883	0	0.0242	0.00685333	0.0294559	0.0144127	0	0.0293304	0.00879354	0.0390159	0.0100517	0.00814242	0
LOC728196	0	0	0	0	0	0	0	0.0360203	0	0	0	0	0	0	0
LOC728327	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC728392	2.26315	4.04053	4.38565	1.5495	8.28299	3.29973	1.87605	1.44648	1.30262	1.7899	1.90736	2.61757	0.950113	2.20361	2.56007
LOC728485	0.0613874	0.0650702	0.111725	0.0253046	0.247925	0.0209082	0.126162	0.0654672	0	0	0.0138597	0.0790638	0	0.0449172	0
LOC728554	5.05592	3.18354	2.14082	10.0288	1.30095	5.83488	3.70955	3.16771	2.87166	4.23627	4.13797	4.4223	12.3944	2.9744	2.00225
LOC728613	0.644973	1.07258	1.43389	0.456026	0.701784	1.03866	0.884461	0.61922	0.192324	0.409264	0.470548	0.242689	0.146546	0.532077	0.716906
LOC728660	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOC728673	0.757784	0.806395	0.973988	0.449742	0.571899	0.719642	0.939717	0.854774	0.51112	0.100581	0.400492	0.596781	0.157119	0.815329	0.606229

LOC728715	2.8685	1.68272	1.93585	0.932116	0.396045	2.06636	0.96214	1.03921	0.115511	1.12147	0.731593	0.128587	0.455064	0.582743	1.27157
LOC728730	0.64465	0.549338	0.471914	0.198983	0.84267	0.696796	0.556405	0.400403	0.459122	0.334668	0.435946	0.15815	0.160174	0.091594	0.0792285
LOC728739	0	0.0358543	0.0615613	0	0	0.0316817	0	0	0	0	0	0	0	0	0
LOC728743	0.515206	0.632169	0.693309	0.467223	1.49388	1.42721	0.635305	0.549447	0.21752	0.344873	0.682415	0.339152	0.301383	0.348255	0.838554
LOC728752	4.12121	5.04031	5.70202	2.20067	7.59732	3.17162	4.02998	3.24622	0.908382	2.45391	0.812321	3.60836	0.985459	4.01769	4.18311
LOC728755	0	0	0	0	0	0	0	0	0	0.0430963	0	0	0	0	0
LOC728975	0.359625	0.302224	0.465616	0.658101	0.978437	0.66423	0.512403	0.29735	0.171417	0.481909	0.699006	0.312054	0.968742	0.455817	0.459403
LOC728989	0.219356	0.257334	0.198117	0.092485	0.205829	0.0371212	0.229291	0.154457	0	0.0856079	0.0535783	0.054882	0	0.126411	0.617776
LOC729080	0.129774	0.0416848	0	0.0445787	0.0335973	0	0.0246953	0.153777	0	0	0	0	0	0	0
LOC729159	0.279709	0.280876	0.277426	0.162803	1.04489	0.247628	0.27205	0.149818	0.0400934	0.0406871	0.0695545	0.185807	0.0424802	0.270706	0.371247
LOC729218	2.30498	2.8781	3.05457	1.83375	2.32554	3.2902	3.98838	2.78502	0.965039	0.920191	1.11128	1.93984	0.693421	1.63729	2.83258
LOC729224	0	0.00401392	0.0137837	0.00858516	0	0.0141872	0.0285356	0	0	0.010456	0	0	0	0.00435406	0.0358924
LOC729291	0.338646	0.307758	0.285107	0.122622	0.106631	0.271332	0.176044	0.298738	0.0279476	0.178181	0.210864	0.108164	0.0821494	0.160578	0.278571
LOC729296	0.0183821	0	0.015207	0	0	0	0.0209881	0	0	0	0.0622533	0.0263058	0.01186	0.0576437	0.131995
LOC729305	0.0138747	0	0.0229563	0	0	0	0.00792086	0.00616535	0	0	0.00783142	0	0	0.00362577	0
LOC729558	0.853987	1.24027	1.27166	0.653758	1.45919	0.311639	1.11435	1.17096	0.193154	0.581857	0.179037	0.890388	0.0708413	0.695001	0.595696
LOC729603	2.18036	1.77768	1.8926	0.84109	1.18369	0.879006	2.08623	1.43972	0.352966	1.10262	0.392681	1.84449	0.276096	1.81693	1.39583
LOC729609	0.073704	0.266338	0.213406	0.189885	0.0572439	0	0.294535	0.196506	0.0448816	0	0	0.0263686	0.0475534	0.0963023	0.211696
LOC729652	0.0070904	0.0239138	0.0410597	0.0876823	0.176221	0.0603738	0	0.0567122	0.0086353	0.0177983	0	0.0355136	0.0137241	0.0518805	0.0916443
LOC729681	0.025502	0	0	0	0	0.0108573	0	0	0	0	0.0431828	0	0	0	0.018312
LOC729683	0.315408	0.232701	0.334314	0.436768	1.05643	0.84766	0.202569	0.341626	0.0600205	0.519578	0.767746	0.239788	0.337046	0.422418	0.821
LOC729732	3.25871	5.86365	6.44293	0.971403	3.35644	0.779412	3.97525	5.32341	0.447661	0.709828	0.263128	1.65477	0.299985	1.15765	1.05906
LOC729737	4.5348	3.41798	1.73044	6.35162	12.2376	6.2151	6.19128	5.63151	3.48305	1.9817	1.31035	9.08909	2.17125	2.48386	3.55686
LOC729815	0	0	0	0	0	0.0201287	0	0	0	0	0	0	0	0	0
LOC729867	0.733303	0.707808	0.813318	0.302532	0.980674	0.462055	0.821007	0.573495	0.196478	0.533815	0.0662246	0.661394	0.397424	0.605954	0.359844
LOC729870	0.205899	0.257934	0.323635	0.254622	0.831564	0.210384	0.399651	0.274479	1.50457	0.542691	0.395138	0.427246	0.239121	0.161418	0.206988

LOC729930	0	0.0100911	0	0.0215833	0	0	0	0	0	0	0	0.0299719	0	0	0
LOC729966	0	0.016231	0.139342	0	0	0	0.0384629	0.0299383	0	0	0	0	0	0	0
LOC729968	0	0	0	0.0337813	0	0.279122	0	0.0145663	0	0	0	0	0	0	0
LOC729970	1.04533	0.386526	0.301663	0.275573	0.415379	2.98074	0.943714	0.302465	0.207247	0.488183	0.548858	0.191338	0.360747	0.533628	1.29175
LOC730098	0.964876	1.03085	1.56172	0.446729	0.651646	1.23832	1.1815	1.15576	0.119214	0.210612	0.394647	0.190109	0.189467	0.204638	0.50206
LOC730100	0	0.00283084	0	0	0	0	0.0067083	0	0	0	0	0	0	0	0
LOC730101	0.256873	0.14734	0.161908	0.151266	0.370512	0.666588	0.146645	0.173933	0.0297945	0.161201	0.17951	0.0525142	0.153895	0.185397	0.298635
LOC730183	1.18682	1.05957	1.32835	1.00722	4.60887	2.28863	1.43479	0.930661	1.23286	0.963849	1.26097	1.47362	1.12608	1.09462	0.551433
LOC730202	0.136336	0.0656888	0.197377	0.280997	0.582387	0.290221	0.466992	0.0605821	0.0415105	0.470568	0.384766	0.146328	0.109954	0.106883	0.0978979
LOC730234	0.471433	0.227143	0.319093	0.264995	0.199718	0.510896	0.342533	0.228529	0.156587	0.0537906	0	0.0306657	0	0.0671976	0.123098
LOC730338	0	0.0400897	0.0393335	0.0122494	0	0.0101212	0.0271433	0.0211275	0	0	0	0.0170102	0	0	0
LOC730668	0.111211	0.0696582	0.124202	0.0515729	0.198662	0.132573	0.11428	0.08401	0.0270885	0.0767698	0.0627718	0.103447	0.0143506	0.0581238	0.18367
LOC731157	0.0487222	0.0939004	0.0806129	0.0502097	0	0.124459	0.166888	0	0.118676	0	0	0.034862	0	0.101857	0
LOC79999	0.0322158	0.0314269	0.0199884	0.0601834	0.0882628	0.0279982	0.0666692	0.0438143	0.00853359	0.0126357	0	0.0222796	0.0112329	0.0488771	0.123197
LOC90246	0.243877	0.0972443	0.0556557	0.0606639	0.0783775	0.0572849	0.134424	0.149474	0.0204837	0.063329	0.0379733	0.0421208	0.0922385	0.0527423	0.446855
LOC90768	0.0305721	0.00841719	0	0.0675116	0.176388	0.200816	0.0448794	0.0232885	0.0531905	0.701643	0.650799	0.381252	1.35538	0.374349	0.57077
LOC91370	0.413269	0.272489	0.378154	0.486726	0.137561	0.125676	0.0374333	0.301033	0	0.111149	0	0.0211218	0.0380913	0.0617121	0
LOC91450	0.582655	0.875884	0.424172	0.264195	1.91874	0.873176	1.11763	0.579953	0.283843	0.380272	0.0789294	0.433581	0	0.401968	1.07106
LOC91548	0	0	0	0	0	0	0.0185562	0	0	0	0	0	0	0	0
LOC93429	0.665681	1.33754	1.66381	0.423279	1.58405	0.494459	0.857082	1.23355	0.569233	1.19103	0.447685	2.34103	0.0913818	0.318304	0.42715
LOC93463	0.186721	0.164936	0.171632	0.0320703	0.0483404	0.0529969	0.130284	0.165942	0.0126336	0.0130197	0.0468411	0.0148449	0	0.0813239	0.0744876
LOC93622	2.81657	2.48684	2.90397	1.51562	2.24143	3.91048	1.69506	1.86194	0.929382	1.20158	2.77232	0.645303	1.64715	0.98621	1.13577
LOH12CR2	0.0755289	0.160335	0.166517	0.093307	0.149677	0.230822	0.0689796	0.107188	0.0932056	0.0756539	0.271788	0.0432921	0.0582514	0.0479374	0.172881
LONP1	4.83565	5.58848	5.35267	9.82622	14.0706	15.2638	5.70006	3.78909	7.1584	6.74455	4.67462	7.29532	13.7805	8.40063	6.22078
LONP2	9.55685	10.3074	11.3483	8.83289	5.04077	7.73644	9.07901	8.13849	5.85481	6.12227	7.54324	5.32446	6.81073	6.08968	5.70701
LONRF1	9.36818	14.7147	20.1393	2.81218	3.08281	3.60213	9.98075	9.82848	9.20702	2.8924	3.29425	3.38663	2.15659	2.10179	2.19388

LONRF2	0.429191	0.181142	0.308267	0.0428579	0.100778	0.123233	0.38937	0.620932	0.00607798	0	0.00187792	0.00714181	0.00429321	0.00434717	0.0883945
LONRF3	0.481073	0.295254	0.345861	0.182959	0.36474	0.580305	0.568891	0.300294	0.0278997	0.208453	0.303862	0.0819573	0.125632	0.221498	0.39479
LOR	75.5492	158.514	159.848	17.077	159.182	72.9074	310.294	60.3808	2000.19	87.8261	261.788	204.413	4.31309	16.7015	3.6779
LOX	5.8233	4.55491	6.59735	1.96738	2.08946	7.89306	4.95569	4.50709	3.26119	5.91419	13.7558	2.01165	2.45001	2.7597	9.01694
LOXHD1	0.0676439	0.0935245	0.0535268	0.121233	0.338066	0.122709	0.191405	0.0627301	0.218493	0.0369131	0.0431609	0.0610274	0.0151804	0.052262	0.11404
LOXL1	5.24369	1.67314	2.03621	3.61541	8.18052	14.2325	5.28158	2.40862	1.27768	6.00671	17.8237	1.28442	4.02448	4.36406	13.3508
LOXL1-AS1	0.597377	0.386728	0.45465	0.436068	0.203516	0.873871	0.439346	0.681332	0.151098	0.16343	0.664621	0.135883	0.421438	0.299077	0.327407
LOXL2	1.92483	1.09165	1.09044	6.3848	6.53825	9.68179	1.79534	1.66082	1.70149	13.3337	21.1816	4.02034	14.8769	13.7701	22.2959
LOXL3	0.449975	0.289322	0.187671	0.837001	1.32149	1.37702	0.527177	0.306179	0.123042	1.26906	2.2539	0.411424	1.56061	2.07027	2.70782
LOXL4	1.07583	0.695202	0.874298	0.736944	0.884721	1.19087	1.8642	0.849251	0.215805	0.460684	0.435784	0.335084	0.41239	0.443207	1.10879
LPA	0	0.00343679	0.00885139	0	0	0.00303683	0.00814424	0	0	0	0	0	0	0	0
LPAL2	0.371792	0.329783	0.340705	0.208057	0.189548	0.236429	0.354123	0.456038	0.0337957	0.193941	0.156628	0.123255	0.0487753	0.477084	0.45958
LPAR1	5.01375	2.20255	3.02468	4.0673	1.30026	7.92156	4.47663	3.21852	0.274673	4.40928	9.94888	0.751011	6.77477	3.90117	9.54244
LPAR2	1.66413	2.53594	2.48658	2.12705	3.86744	2.93283	2.16518	1.59359	3.03223	2.02389	3.20381	2.94452	3.92854	1.92828	1.11158
LPAR3	1.82885	2.33251	2.4363	4.89187	2.98706	1.56869	2.27237	1.75679	3.79957	11.1732	5.23727	5.32097	8.16432	6.90171	1.7381
LPAR4	0.0735478	0.0236243	0.0135209	0.134743	0.0126939	0.118292	0.055983	0.0581006	0	0.102567	0.239854	0.00584727	0.0421802	0.115318	0.17604
LPAR5	2.26675	3.40631	2.95053	4.92509	3.96425	3.4688	3.14012	2.78931	2.70273	3.10365	3.14939	3.17578	5.37438	2.77121	1.42279
LPAR6	5.38754	5.06592	3.859	8.25562	1.56979	4.58744	2.63629	5.24602	7.61286	6.42596	9.51204	3.97467	5.24638	3.82311	3.17178
LPCAT1	2.10657	2.25488	2.3944	11.3896	5.51112	13.7336	2.55845	2.43223	1.8762	5.25129	6.13287	3.89143	8.71585	6.70959	7.22384
LPCAT2	3.99033	2.8601	3.30819	2.92144	1.56127	2.86373	2.25595	3.28288	5.73338	4.08641	5.68771	3.15331	4.10707	2.51879	2.83138
LPCAT3	5.94445	5.45155	5.30941	12.6776	5.79068	16.6433	6.43057	6.96631	7.97591	6.18369	9.34927	6.72616	10.6934	6.62439	4.58682
LPCAT4	3.02024	2.93377	3.50199	3.81243	6.74518	4.93683	3.36532	1.8541	1.59541	4.12564	4.01195	2.48218	5.29029	4.26641	3.44905
LPGAT1	2.85137	2.46538	2.31418	3.64521	1.11148	4.42132	2.18583	2.57727	1.59163	3.755	5.48367	1.63064	4.67588	3.60847	4.51374
LPIN1	2.35141	1.54744	1.83362	3.68871	1.51447	4.04749	1.76031	1.66699	0.747783	0.986579	1.30628	0.69038	1.27116	1.24306	2.03488
LPIN2	1.9097	1.42673	1.76118	5.55559	2.07188	4.37841	1.8241	1.29765	2.94571	3.11966	4.66814	1.79977	2.73753	2.28358	3.77237
LPIN3	4.09943	8.15847	6.88111	6.97465	23.4044	9.57312	6.68309	4.87431	15.7016	6.51147	4.1573	14.3187	3.88947	9.03725	3.72478

LPL	1.98263	0.21724	0.23504	0.986572	0.719559	5.80083	0.888557	0.806896	0.218143	1.17831	2.60071	0.251906	0.729254	0.842526	1.75628
LPO	0	0.00374309	0.00642684	0.0080059	0	0	0	0	0	0	0	0	0	0	0
LPP	13.3053	5.78238	6.33834	8.94458	2.86122	12.0466	8.72887	9.3715	1.83485	8.23676	10.7508	4.22689	7.78658	7.92808	13.9784
LPP-AS1	0.374029	0.315373	0.502813	0.240905	0	0.199051	0.106764	0.290855	0.0569407	0.645487	0.052779	0.234174	0	0.390968	1.00716
LPP-AS2	0.730495	0.459782	0.422268	0.817926	0.645316	1.5825	0.537921	0.532275	0.1662	0.522249	0.887853	0.243079	0.463635	0.385984	0.680175
LPXN	1.7387	1.15513	1.51878	1.80291	0.939409	1.82991	1.63994	1.61239	0.302506	2.38556	5.41287	0.548634	2.45262	1.24173	2.91574
LRAT	0.00928135	0.0044719	0.0191955	0.00478235	0.00720857	0.0592721	0.0423886	0.0123727	0.0508664	0.86203	0.796289	0.438309	0.90423	0.943491	0.393211
LRBA	12.2732	13.0665	13.95	10.2222	5.86173	8.99844	10.0985	11.7096	12.3403	9.07123	6.34905	9.99262	8.34312	7.79316	5.3641
LRCH1	3.56221	3.9142	4.93915	2.79751	2.94907	3.28678	4.01166	3.41523	6.28442	2.55535	2.89963	2.16982	2.39256	2.24641	2.84166
LRCH2	0.422919	0.101884	0.198259	0.179175	0.0656939	0.36011	0.139497	0.225513	0.0515067	0.224118	0.249321	0.0504349	0.230419	0.11543	0.337425
LRCH3	2.61137	2.40389	2.65442	2.35788	1.63928	3.03993	1.89969	2.20503	0.817649	1.83745	2.70204	1.24192	2.02094	2.40575	2.93764
LRCH4	3.89771	4.60016	4.5852	4.64317	10.6203	9.21976	5.70775	3.83895	3.92823	4.09313	3.68955	4.58505	4.81265	3.82003	5.8235
LRCOL1	0.0529589	0.0255164	0.0219057	0	0.0411318	0.0676407	0.0302334	0	0	0	0	0.0378935	0	0	0
LRFN1	0.421186	0.370265	0.476805	0.533037	0.918241	0.918607	0.776184	0.499086	0.125989	0.30605	0.417076	0.195626	0.333724	0.351436	0.392639
LRFN2	0.00718505	0.0173093	0.0178319	0.0222132	0.100448	0.0367079	0.00820366	0.00638548	0.0612541	0.00901798	0.0324441	0.0051411	0.00463576	0	0
LRFN3	1.24227	1.7247	1.89552	3.24316	4.95998	5.24188	2.50056	1.07132	1.84916	2.02116	3.37607	2.0938	4.41126	2.16422	2.90735
LRFN4	2.0286	1.75935	2.43339	2.18636	4.73984	3.69936	3.04001	1.32961	0.638243	2.2915	2.80531	2.15915	3.84476	3.71968	4.58849
LRFN5	0.719715	0.598966	0.777112	0.207095	0.326679	0.298455	0.864435	0.444413	0.00569177	0.111448	0.168825	0.043472	0.0572908	0.0244256	0.335585
LRG1	0.702093	0.870755	1.29071	4.34116	0.504904	3.55372	0.178139	1.72167	0.0316693	1.90926	4.28578	0.0372123	1.12408	0.135905	1.40041
LRGUK	0.49858	0.333445	0.375524	0.276072	0.0924737	0.500571	0.212411	0.416643	0.135944	0.0840586	0.226814	0.149088	0.0432109	0.124456	0.13893
LRIF1	1.00622	1.07996	1.41224	1.29438	0.398836	2.59989	0.816093	1.23961	1.1494	1.76807	2.31096	1.00797	2.27895	1.61033	1.52479
LRIG1	6.93591	6.56836	8.44719	4.10468	5.63923	10.0621	6.44461	6.33444	1.23704	1.85674	3.15892	1.2623	3.74856	3.22629	5.0194
LRIG2	5.31774	4.36385	4.6464	2.87343	2.66062	3.47655	4.4684	4.60203	1.82527	2.23101	2.71485	2.33	1.66731	2.54244	2.93178
LRIG3	12.9273	13.6252	15.6222	8.80745	8.02008	8.85363	12.1237	11.4983	4.4292	4.88267	9.00105	6.60418	5.0021	4.76336	4.92214
LRIT1	0	0	0	0	0	0	0	0.0178771	0	0	0	0	0	0	0
LRIT2	0.276639	0.943547	1.12621	0.157547	0.180933	0.0495904	0.315858	0.368781	0.0886619	0.0365485	0	0.0937623	0.004697	0.0608774	0

LRIT3	0.122689	0.155562	0.0908132	0.00665446	0.0601827	0.03299	0.117964	0.172162	0.0235929	0.0162092	0	0.0924078	0.0166649	0.0674976	0
LRMDA	1.04536	0.440711	0.612562	0.523673	0.699137	1.23626	0.679663	0.45161	0.159141	0.89291	1.58983	0.4571	0.402802	0.386997	1.50126
LRMP	0.774393	0.322588	0.413742	0.590213	0.187953	0.700597	0.211834	0.537669	0.216132	0.708708	1.12006	0.121209	0.484021	0.164422	0.845679
LRP1	27.2234	24.5975	28.5832	24.6342	61.6263	86.1762	52.688	22.2997	19.9483	23.5369	29.9826	26.3005	34.785	22.9934	81.657
LRP1-AS	0.23977	0.3708	0.285542	0.385163	0.61556	0.748013	0.48575	0.378898	0.0976847	0.269439	0.180754	0.39971	0.0341789	0.292396	1.10681
LRP10	12.7748	16.3702	17.9188	30.1433	38.1836	36.9694	23.2471	12.0738	68.208	28.1934	34.0887	27.4284	49.3104	19.018	15.6492
LRP11	4.04685	5.50817	5.24274	11.8876	9.08308	6.14383	4.07779	4.21244	13.6801	13.597	9.76281	8.5248	16.7782	7.69574	5.8701
LRP12	1.57857	1.70123	1.65199	1.85669	1.23903	2.11831	1.54124	1.46735	2.5543	3.60549	5.31453	1.58052	3.49092	2.77536	3.46863
LRP1B	0.467593	0.149746	0.209627	0.0894486	0.147876	0.0834445	0.148656	0.20529	0.0255753	0.0140569	0.0300276	0.0330568	0.0289043	0.0358528	0.066348
LRP2	0	0.00141731	0.00608375	0.0015157	0	0.00751421	0.00335863	0.00130713	0	0	0	0	0.00094895	0.00076870	0
													3	5	
LRP2BP	0.695458	0.566397	0.731228	0.198824	0.139392	0.202485	0.548152	0.761616	0.0874312	0.467409	0.141822	0.391674	0.182377	0.485417	0.567041
LRP3	3.1961	2.36697	2.46438	3.2956	6.78543	8.28074	3.67235	1.90758	1.05182	2.58422	4.93123	1.27162	2.98393	2.81292	3.64899
LRP4	7.88202	12.7277	16.7149	2.25592	5.14172	2.31067	13.5023	13.2645	4.32442	1.7753	1.43587	2.22318	1.84725	1.55186	0.932793
LRP4-AS1	2.49557	3.50786	5.15256	0.35329	0.404116	0.208918	4.46331	5.23826	0.526368	0.267425	0.234849	0.381628	0.0408833	0.0979829	0.11019
LRP5	5.23132	4.57229	4.76042	7.01271	10.799	12.605	6.85163	3.33509	2.39049	2.09455	2.00102	3.22653	4.56067	4.06502	3.51423
LRP5L	0.833566	0.850664	0.924235	0.703915	0.836236	0.690055	0.991395	0.766527	0.232648	0.305145	0.19604	0.994065	0.149392	0.810809	0.515421
LRP6	5.48566	3.84407	4.43179	2.67518	2.6526	4.11592	3.96766	3.9124	1.91203	2.054	2.58847	1.55527	2.25095	2.71829	4.05772
LRP8	0.720646	0.329088	0.312293	1.97417	0.457569	1.58403	0.622567	0.554209	0.239955	0.750123	0.793122	0.676323	1.94118	1.84998	0.700485
LRPAP1	2.42612	2.11801	2.41489	3.64996	4.88702	5.3045	2.55775	1.8698	2.09622	2.34483	2.50197	2.16758	3.57844	2.42859	2.38799
LRPPRC	10.388	7.64156	8.36805	11.9915	3.20984	11.0811	5.85248	7.94552	6.02974	8.50913	10.3966	5.80169	11.7825	9.22107	6.0909
LRR1	0.803811	0.70465	0.720383	1.80626	0.745689	1.80615	0.917765	0.763968	1.00614	1.68144	3.08769	0.639054	2.13208	1.62791	1.09024
LRRC1	6.0332	5.04235	6.05072	5.05491	3.18794	4.61666	2.83352	4.93493	5.11419	4.16522	3.8449	3.36918	6.43757	3.16463	1.33782
LRRC10	0.00890803	0.0600883	0.0515854	0	0	0	0	0.0158334	0	0	0	0.00637393	0	0.00465572	0.0383792
LRRC10B	0.177301	0.0301505	0.025884	0.107479	0.145805	1.13671	0.0952645	0.0278066	0.012702	0.157081	0.388529	0.00746258	0.0605615	0.0490582	0.539211
LRRC14	2.12917	3.06113	2.86256	1.96914	6.59081	3.73418	2.75149	1.94925	2.31126	1.62503	1.91295	2.17722	2.0389	2.16184	2.11015

LRRC14B	0.036246	0.0392937	0.0599704	0	0.0281513	0.100305	0.0620767	0.0322124	0.0331076	0	0	0.0129675	0.0116929	0.0284156	0.0780807
LRRC15	2.81301	1.37977	1.73084	3.48509	7.51059	2.97913	2.90486	2.84624	0.635838	3.95119	8.71732	1.72007	8.48161	4.16835	32.7151
LRRC17	0.82581	0.442097	0.649431	0.178609	0.110856	0.798657	0.512183	0.299001	0.124166	3.04545	4.99492	0.153193	0.105246	0.229123	1.74234
LRRC18	0.185831	0.185959	0.141907	0.0883864	0.133227	0.085202	0.0979271	0.0762234	0	0.0179413	0.0645476	0.0204564	0	0.022413	0.287405
LRRC19	0.378448	0.145255	0.20695	0.145424	0.0199275	0.0546175	0.109856	0.313531	0.015624	0.0402535	0.0506872	0.0642552	0.0331082	0.0737535	0.202661
LRRC2	0.594914	0.57762	0.95821	0.0603787	0.161019	0.579476	0.663816	0.484651	0.0109779	0	0.0254388	0.0128993	0.00872353	0.00942206	0.0647251
LRRC2-AS1	0.0365609	0	0.0604915	0	0	0	0.0834881	0.0649846	0	0	0	0	0	0	0
LRRC20	1.03426	0.790543	0.533435	2.38825	2.64785	1.14159	1.02051	0.487949	8.67735	3.79814	3.72607	3.00127	6.1416	1.52154	0.733492
LRRC23	0.745721	0.619482	0.776459	0.622739	1.45794	1.53269	0.86612	0.51419	0.657665	0.484115	0.986968	0.423187	0.572385	0.611498	0.627798
LRRC24	0.183758	0.127366	0.275873	0.0719	1.09035	0.13662	0.270858	0.127742	0.149584	0.114642	0.0459489	0.0424545	1.71E-13	0.0599631	1.18E-16
LRRC25	0.780103	0.14849	0.215119	3.19582	0.822806	3.58366	0.692764	0.385161	0.0821055	1.7769	4.79459	0.0482382	2.13134	0.749996	2.32364
LRRC26	2.22716	1.20371	1.05741	0.0997891	6.25726	1.08837	1.26039	1.2048	0.259449	0.024307	0.0655873	0.0138573	0	0.0101218	0
LRRC27	0.208914	0.290553	0.254151	0.179798	0.362648	0.477065	0.176201	0.194364	0.101753	0.13313	0.282962	0.0932122	0.101469	0.161883	0.39878
LRRC28	1.18249	1.30935	1.36103	1.23751	0.741572	1.61663	1.6059	1.0509	1.57432	1.37814	1.58777	1.13252	1.08754	0.998047	0.833282
LRRC29	0.542536	0.716989	0.57706	0.239614	1.37247	0.989921	1.11501	0.551041	0.0566356	0.291831	0.857438	0.332742	0.430051	0.332162	0.645582
LRRC3	0.212937	0.588978	0.466488	0.910259	1.12092	1.67546	0.648331	0.413525	0.321765	0.544413	0.485209	0.423227	1.11689	0.82437	0.724868
LRRC3-DT	0	0	0	0	0	0.0251352	0	0	0	0	0	0.0211218	0	0	0
LRRC30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LRRC31	0.00908997	0	0	0.00936747	0	0	0	0	0	0	0.0307843	0.00650411	0	0	0
LRRC32	5.91331	1.67786	2.16604	5.08539	8.66793	27.094	11.322	3.07635	0.767086	4.27275	8.57338	1.41906	6.4551	5.89266	12.2373
LRRC34	0.326094	0.189464	0.214227	0.20756	0.0297962	0.195998	0.0876054	0.221615	0.116807	0.144452	0.433081	0.0205878	0.136137	0.165418	0.275477
LRRC36	0.273236	0.122872	0.120555	0	0	0.0387761	0.103991	0.080943	0.0221847	0.0457252	0.0308449	0	0	0.00476016	0.0392401
LRRC37A	0.694386	0.719957	0.898176	0.331551	0.232187	0.256402	0.816418	0.719275	0.238589	0.331423	0.257843	0.582495	0.150057	0.344531	0.467104
LRRC37A11P	0.0517163	0.1059	0.203221	0	0.0200833	0.00550447	0.059048	0.0919223	0.0236192	0.00811366	0	0.00462555	0	0.00337865	0.0278517
LRRC37A2	1.88891	2.23014	2.26685	0.671146	1.5743	0.658833	2.18576	1.91638	1.51399	1.34479	1.27666	1.89281	0.398766	0.925816	0.942647
LRRC37A3	2.29666	2.2167	2.47465	0.95536	1.72449	1.48063	1.95366	2.09379	0.336274	0.946434	0.66127	1.65633	0.380597	0.808353	1.56328

LRRC37A4P	2.53507	3.83203	4.17649	1.47782	1.79037	2.12917	2.00374	2.72673	0.441406	1.14681	0.519591	3.5454	0.761723	1.03803	1.06564
LRRC37A5P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LRRC37A6P	0.121919	0.0915689	0.0949269	0.0628204	0.0557006	0.0702259	0.0941667	0.165714	0.0305701	0.0135018	0	0.0230919	0.0254493	0.0918319	0.0102995
LRRC37A8P	0.0276339	0.019865	0.0225345	0.0175262	0.0376149	0.00579248	0.00786387	0.0151909	0.0083448	0.0128742	0.0115702	0.024637	0.00438912	0.0178418	0.0390786
LRRC37B	2.20459	2.29159	2.42288	1.51796	1.83084	1.64957	2.16694	1.863	3.31245	1.37494	1.69194	1.53904	1.03169	1.23666	1.30719
LRRC38	0.024259	0.0409092	0.0702405	0.0374993	0	0.0103281	0.0415471	0.0431187	0	0.060895	0.0958487	0	0.0313035	0.183843	0.0174195
LRRC39	0.474823	0.387754	0.433083	0.155236	0	0.117997	0.22375	0.419105	0.11433	0.242874	0.0994632	0.111474	0.0257463	0.162951	0.167558
LRRC3B	0.048671	0.0117252	0	0	0.0126005	0.00690712	0.00926183	0	0	0	0	0	0	0	0
LRRC3C	0.0527177	0.0254002	0.0436118	0	0	0.0224442	0.120383	0	0	0	0	0	0	0.0137763	0
LRRC4	0.948946	0.98061	0.748882	1.07442	1.32858	1.5735	1.35435	1.07083	0.197687	2.81301	1.26858	3.04655	1.11978	3.75886	2.25042
LRRC40	2.27108	1.62054	1.72278	2.4457	0.42724	1.92042	1.28307	2.32564	0.899643	3.32387	4.17833	1.2033	2.7227	1.98786	1.94114
LRRC41	7.96818	9.64148	10.8912	14.7321	11.5237	17.5937	9.88659	7.01866	13.2897	10.7497	17.228	9.54922	17.4846	11.7427	9.04191
LRRC42	3.37826	3.58594	3.89764	5.85568	2.7746	6.77807	3.42861	2.5767	5.45427	5.68592	7.52499	3.11186	8.41791	5.03306	3.43889
LRRC43	0.0997068	0.026689	0.0916494	0.045667	0.0688351	0.113199	0.0505964	0.0689197	0.0539696	0	0.112557	0.015854	0.0142956	0	0
LRRC45	1.0282	1.20548	1.21919	2.32227	4.75152	3.26853	1.00765	0.791941	1.02266	1.44105	0.851187	1.3304	1.95147	1.49123	0.984416
LRRC46	0.21674	0.266874	0.239071	0.0868611	0.448897	0.123034	0.109985	0.246127	0.0879885	0.0151129	0.149522	0.0775418	0.0388444	0.100692	0.172926
LRRC47	7.73474	7.42396	8.00383	9.97035	14.7028	11.2	6.49623	5.072	7.50411	4.7278	5.28827	6.47871	8.88689	6.3721	4.56874
LRRC49	0.765876	0.357107	0.558274	0.381899	0.172694	0.583764	0.465434	0.417171	0.30841	0.434114	0.620544	0.154679	0.21519	0.322807	0.549948
LRRC4B	0.482147	0.310932	0.337502	0.16817	1.302	0.688447	0.592845	0.296648	0.126474	0.0837892	0.133978	0.159226	0.0717874	0.201593	0.490023
LRRC4C	0.0992465	0.0418412	0.0359204	0.0127846	0.154164	0.158451	0.127481	0.0275631	0	0	0	0.00443835	0.0400208	0.00648382	0.258337
LRRC52	0	0	0	0	0	0	0.0235508	0	0	0	0	0	0	0	0
LRRC53	0.0191979	0.030062	0.0158818	0	0	0.00408669	0.00547988	0	0	0	0	0.00343415	0	0.00501683	0
LRRC55	0.154087	0.0412453	0.00708177	0.295528	0.0797836	0.0656016	0.039096	0.0950972	0.0573408	0.0376047	0.0966363	0.0490016	0.0303772	0.0671106	0.233583
LRRC56	0.225257	1.10542	1.26993	0.601828	2.72146	1.59126	0.742996	0.467109	0.721406	0.345547	0.169525	0.865582	0.441386	0.379349	0.491237
LRRC57	2.69284	3.43986	3.44065	4.44402	3.21533	3.83512	2.69164	2.27394	4.52838	3.69251	4.28395	2.20107	5.23694	3.04518	3.05527
LRRC58	5.38274	4.02616	4.37421	4.17839	2.04245	5.2039	3.49992	5.52881	3.7135	4.74375	6.5451	2.71842	4.99476	3.73163	3.65886

LRRC59	8.61165	5.18214	5.38082	23.7232	9.40845	23.5566	6.33861	5.33241	12.8195	20.5834	22.0665	11.2937	40.2961	22.2939	15.3855
LRRC6	0.281995	0.302193	0.285575	0.420875	0.219018	0.306354	0.13323	0.285181	0.0532922	0.176966	0.23052	0.111324	0.0815601	0.23378	0.293262
LRRC61	0.667817	0.865699	0.743198	1.68774	3.93947	1.05604	0.816956	0.73481	1.6557	1.27723	1.90266	1.53023	1.11309	0.793629	0.399613
LRRC63	0.0328426	0.0105494	0	0.0112817	0.0510158	0.0466083	0	0	0	0.0412208	0.0370752	0	0.0282531	0	0.031444
LRRC66	0.109326	0.0921815	0.101748	0.0704151	0.0106139	0.0639994	0.0468095	0.0667977	0.0166434	0.051456	0.092562	0.00488913	0.0308599	0.0714235	0.186445
LRRC69	0.265349	0.227905	0.257692	0.0832239	0.0716833	0.144696	0.10538	0.225567	0.0281013	0.0724001	0.0781424	0.148589	0.00744356	0.20501	0
LRRC7	0.0291327	0.0154403	0.0265107	0.00300221	0.00905064	0.00496123	0.0665256	0.00517815	0	0.00365646	0.00328872	0	0	0	0.00836766
LRRC70	0.905553	0.525554	0.638466	0.588159	0.066941	0.266965	0.505216	0.914523	0.10026	0.82594	1.44135	0.315138	0.642379	0.632513	0.901475
LRRC71	0.0234836	0.0396016	0.077709	0.0121002	0.018239	0.0499899	0.0268128	0.0313054	0	0	0.02651	0.0168031	0	0.0368206	0.286666
LRRC72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LRRC73	0.18182	0.150177	0.118182	0.0535344	0.302602	0.121642	0.118626	0.0230837	0.0474506	0.114101	0.190591	0.0743411	0.0502753	0.156116	0.0932557
LRRC74A	0.0266933	0.00643061	0.0110413	0.0275082	0.0207319	0.0113645	0	0	0	0	0	0.0190997	0	0	0.0383349
LRRC74B	0.0046739	0.00868228	0.0149037	0.00581461	0.0286934	0.0300709	0.0257133	0.0200198	0	0.00643055	0	0.0128923	0.00290558	0.00485998	0.00647241
LRRC75A	1.47774	1.53871	1.7794	1.26904	1.40277	0.922736	2.42774	1.37166	1.12983	0.947967	0.296566	1.48031	0.439638	2.05956	1.10827
LRRC75A-AS1	46.683	33.2643	34.6327	60.866	23.8752	66.8119	33.1592	29.1732	41.9466	46.9359	89.3952	30.8268	32.6573	32.2919	16.7706
LRRC75B	1.62375	1.44779	1.49768	1.78872	2.34829	3.19428	1.34251	1.11131	0.795562	1.85057	1.87515	1.00158	0.987424	1.08275	1.12575
LRRC77P	0.00864192	0.00416381	0.0214476	0	0	0.0367924	0.0197341	0.00768022	0	0	0.00975565	0	0	0.00903329	0.0248218
LRRC8A	6.65324	6.39015	7.10013	11.8547	10.7198	14.1737	7.40229	4.82878	15.9631	19.5435	11.9273	10.964	37.0692	19.1849	10.1064
LRRC8B	1.92356	3.05844	4.18251	2.86692	0.664487	1.86523	1.93075	3.31184	4.98256	2.39625	2.84883	2.44871	4.0492	2.35126	1.56266
LRRC8C	2.16113	1.80094	2.72559	1.14168	0.613535	1.75268	1.48124	2.52565	0.457572	3.00666	4.03829	0.781216	2.23345	2.11131	3.14516
LRRC8C-DT	0.322653	0.353317	0.558109	0.12091	0.182252	0.174831	0.167452	0.312815	0.0357232	0.110445	0.165562	0.0419758	0.189249	0.229954	0.336997
LRRC8D	2.4331	1.67866	1.64429	3.23135	1.06463	3.67664	2.05419	1.78672	1.2799	2.01436	2.86273	1.71234	4.15673	3.01494	1.6569
LRRC8E	2.9848	3.75162	2.67885	3.54083	4.00288	3.64654	2.48364	2.09246	8.78304	4.83209	2.67884	4.099	4.86027	2.74532	1.53535
LRRC9	0.014126	0.00680611	0.011686	0.00485241	0.0219425	0	0.00537619	0.0209233	0	0	0.010631	0.00336917	0	0.00246095	0
LRRC1	1.22381	0.91343	0.922025	0.579912	0.135785	0.911798	0.380515	0.772013	0.186307	0.610287	0.84495	0.355739	0.430047	0.408325	0.839539
LRRD1	0.0173943	0.00838082	0.00719488	0.0448132	0	0	0	0.0695635	0	0.0109158	0.00981797	0	0	0	0.0499607

LRRFIP1	11.5729	8.68281	9.28611	12.3729	6.18714	13.8955	4.91851	7.03892	9.06151	16.7703	10.3484	10.6209	24.6703	13.7334	11.5994
LRRFIP2	5.64685	4.67448	5.55358	4.64298	3.21932	6.69655	3.56663	4.67142	5.79201	6.88002	5.97897	4.74612	11.9054	5.79003	5.71555
LRRIQ1	0.0467622	0.0307238	0.0633027	0.00438089	0	0.0361977	0.0145613	0.0188902	0	0.0266779	0.0143969	0.00608357	0.00822839	0.00444363	0.0488411
LRRIQ3	0.0161726	0.0194806	0.0133792	0.0666655	0.0251217	0.0757394	0	0	0.0295447	0.0304475	0.0547707	0.0347159	0	0.00845253	0
LRRIQ4	0	0	0.0309632	0	0.0193796	0.0106232	0	0	0	0	0.0140839	0	0	0	0
LRRK1	2.18655	2.86665	3.06204	3.17751	4.23903	4.71337	3.40922	2.3485	1.00624	1.73203	1.29528	1.72442	2.89832	2.14868	3.11432
LRRK2	1.94448	2.28357	1.63144	1.78148	1.01331	2.13211	1.20317	1.65228	1.78758	1.79811	1.92317	1.26386	0.8612	0.759251	1.86648
LRRN1	1.18645	0.618092	0.717728	0.213966	0.414665	0.612459	0.821251	0.602991	0.0993406	0.125643	0.221829	0.0424466	0.0598037	0.00968886	0.266232
LRRN2	0.236864	0.0973418	0.109502	0.136406	0.865723	0.177959	0.270444	0.179549	0.0339382	0.0786942	0.110102	0.0149544	0.11237	0.218463	0.540266
LRRN3	0.788614	0.801818	0.847603	0.499133	0.144684	0.327817	0.55301	0.87193	0.166376	0.140286	0.182255	0.231042	0.388618	0.350502	1.42684
LRRN4	0.313273	0.218863	0.343389	0.145277	0.340635	0.10003	0.214611	0.160086	0.00953829	0.0982975	0.0353646	0.0448311	0.0202122	0.0818651	0.0337425
LRRN4CL	2.09605	1.41088	2.21151	0.64583	1.66882	4.70263	5.37388	1.70352	0.207167	0.732325	3.02188	0.19218	0.583408	0.652057	1.44842
LRRTM1	0	0	0	0	0	0.0712695	0.0358372	0	0	0	0	0	0.0202511	0.0109363	0.0150255
LRRTM2	1.47678	1.09059	1.16222	0.898385	0.586682	0.420171	0.858626	1.61806	0.19412	0.96756	0.311841	1.0013	0.104223	1.53077	1.15158
LRRTM3	0.033698	0.0162362	0.0185849	0.00771706	0.0639768	0.0478224	0.0513004	0.0166378	0	0	0	0	0	0.00391379	0.0752805
LRRTM4	0	0.0251967	0.0117988	0.00489926	0.0221544	0.0202403	0.0705653	0.0126752	0	0	0	0	0	0	0
LRSAM1	2.58264	5.1778	5.1721	4.31367	9.91985	4.81514	5.79795	3.47563	9.37891	3.18253	2.3248	5.38543	3.03828	3.10628	2.62037
LRTM1	0.283964	0.167222	0.0261017	0.0325148	0.294063	0.09403	0.198135	0.0280404	0.0192131	0.0396004	0.0356178	0.11288	0	0.107186	0.022656
LRTM2	0	0.00279536	0.00479959	0.0119577	0	0	0.0198726	0.00515608	0	0	0	0.00415128	0	0	0
LRTOMT	0.902014	0.934717	0.876955	0.541774	0.799711	0.629848	1.21721	0.927517	0.369478	0.427726	0.439765	0.355058	0.31323	0.611105	0.554822
LRWD1	1.10688	1.48252	1.52055	3.0139	4.3852	6.00087	1.31019	1.02883	1.53358	2.30693	1.79979	2.22344	4.56668	3.20568	3.01883
LSAMP	0.455734	0.533764	0.643735	0.252311	0.256053	0.598591	0.614447	0.741098	0.224375	0.191679	0.413216	0.196001	0.0625611	0.268593	0.553533
LSAMP-AS1	0	0	0.104811	0.0435211	0	0.0359599	0.144657	0.150129	0	0	0	0	0	0	0.0606503
LSG1	7.00382	5.60968	5.86909	7.46468	3.81431	9.52199	5.31883	5.24555	5.45248	4.35053	4.60051	4.13987	5.8983	5.16737	3.55439
LSINCT5	0.148633	0.0926766	0.0433976	0	0	0.00744466	0.0698783	0.132093	0	0	0	0.0125119	0	0	0
LSM1	5.54685	4.72535	3.92476	7.72389	5.79027	8.11324	2.95876	2.70066	7.21026	8.52579	17.1245	5.20226	9.14427	5.7092	5.69684

LSM10	4.59366	3.77704	3.4904	7.43531	5.11897	9.20464	4.95984	3.30591	4.34795	7.92758	16.7971	4.18006	5.99204	5.81944	4.94781
LSM11	0.748704	0.652032	0.741287	0.681003	0.540908	0.84403	0.445838	0.47483	0.363755	0.599997	1.00788	0.455235	0.800565	0.662126	0.711775
LSM12	7.19261	6.28011	5.74213	15.3236	4.34168	16.2392	6.97832	6.23487	10.6774	12.6174	21.4874	8.2864	16.8974	10.6396	8.65697
LSM14A	12.3875	11.399	11.7604	14.0113	5.82315	14.4244	7.62177	11.4398	13.0019	11.0734	12.2316	9.01724	17.857	10.0593	9.94795
LSM14B	5.63855	6.75317	7.12977	7.87018	9.42383	10.2632	5.67392	4.78114	9.76827	6.53947	4.82428	5.9752	7.83429	5.32503	4.33072
LSM2	0.933612	0.743378	0.681698	1.90164	0.84426	2.53043	1.106	0.642738	0.651259	1.10576	2.58782	0.853064	1.17362	0.946112	0.642066
LSM3	12.787	8.45526	8.15408	21.619	2.58627	16.1618	5.8551	8.25664	10.6659	18.264	40.4477	10.436	14.4806	11.9389	7.84282
LSM4	6.37861	5.1201	4.90966	12.4148	11.287	16.4558	6.92091	4.58686	6.37843	8.30816	18.4954	5.91606	9.07357	7.91345	4.71683
LSM5	1.65156	1.1885	1.34283	2.41782	0.297282	1.3761	0.954987	1.46777	1.32943	1.87715	3.13668	1.32374	1.55034	1.4485	1.12993
LSM6	3.46999	3.14543	3.28418	7.33367	0.776538	5.35843	2.51817	3.26678	1.71907	3.0634	7.90076	2.08308	5.2745	3.71935	1.98489
LSM7	9.61327	7.97702	8.54187	28.2526	13.5501	24.8599	8.63861	6.72403	8.34728	16.1434	45.6194	9.33063	15.2764	13.654	7.22251
LSM8	1.48618	0.979692	1.11173	0.939125	0.203865	0.812164	0.751353	1.32737	0.344441	0.654251	1.04127	0.317434	0.454394	0.526524	0.570752
LSMEM1	0.256291	0.284015	0.201421	0.290527	0.179149	0.218228	0.11705	0.0911079	0.14046	0.466423	0.231456	0.293413	0.15709	0.221015	0.276049
LSMEM2	0.412667	0.471098	0.504858	0.125726	0.313524	0.391906	0.559731	0.363154	0.096443	0.102043	0.154089	0.315188	0.199281	0.526634	0.478641
LSP1	7.75118	7.67715	11.299	4.72788	7.41877	5.8088	17.1293	5.55516	1.10504	5.27471	6.76575	5.50222	11.1137	2.3293	10.9179
LSP1P3	0.052124	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LSP1P4	2.55746	2.24192	2.10982	1.56709	2.80667	3.4864	0.927704	2.27299	5.69348	5.91398	3.00352	4.70212	3.90119	6.07497	2.72608
LSP1P5	2.07325	1.57173	1.66217	0.499994	1.5528	1.38929	1.22917	1.71717	0.426097	2.64361	2.44413	1.34672	0.781107	3.73485	3.38677
LSR	6.63405	7.91512	8.98444	13.6941	15.56	15.1904	9.0709	5.87778	12.4596	9.12973	8.72763	9.70456	16.905	7.70974	3.48704
LSS	7.77427	11.5317	11.6778	12.9157	15.0254	18.8707	11.4212	5.65758	6.32194	8.76397	4.82938	9.58971	11.0814	7.48421	6.75047
LST1	0.145615	0.118492	0.224864	0.566895	0.185979	0.388499	0.140396	0.209932	0.0630551	0.393953	0.916881	0.0486226	0.342395	0.126841	0.381066
LTA	0.0102995	0.00694746	0.0136328	0.00849117	0.00639949	0.0315717	0.0141116	0.010984	0	0.00258539	0.0209284	0	0.0279099	0.0010766	0
LTA4H	7.70817	7.11652	7.75908	21.5286	5.23391	14.9349	6.30296	6.58787	9.15166	10.6478	16.2672	7.91982	14.4852	9.31174	8.6571
LTB	0.0906809	0.0889433	0.10181	0.236961	0.281717	0.237156	0.0887455	0.0690768	0.015777	0.146332	0.340006	0.0324423	0.240296	0.0304674	0.139531
LTB4R	16.3976	25.0192	22.6423	31.6145	33.715	32.9742	15.4577	18.0716	19.7353	18.2034	6.79003	29.6605	26.7358	20.0517	7.17715
LTB4R2	17.0708	26.7959	23.5123	40.4187	72.2756	49.232	20.2237	16.7523	28.1968	24.2973	19.7305	38.7603	43.0725	24.5895	9.54351

LTBP1	6.21964	2.605	2.52741	18.2214	7.96797	21.0997	4.85357	2.75725	1.68723	21.2496	26.4841	7.51012	33.2047	23.7494	25.8691
LTBP2	9.42875	4.08145	3.17377	11.4982	13.6081	11.5048	13.2892	5.51099	2.29663	7.17174	10.1583	4.75644	12.4199	9.66345	17.9781
LTBP3	8.05633	5.9726	7.50221	5.07646	18.567	14.1969	11.597	5.06115	3.46867	3.02383	5.68896	2.2527	4.18978	3.04177	13.2706
LTBP4	12.2897	12.5365	14.5326	9.16572	22.1138	13.2181	29.2086	7.12273	4.54924	3.81886	4.00087	5.48529	5.80993	7.14925	12.334
LTBR	11.9102	11.602	12.5309	26.7937	19.5522	37.8423	11.8511	10.6836	9.11652	24.6696	27.2359	13.1347	42.371	20.3517	16.4251
LTC4S	2.15123	1.08665	1.83706	0.643617	2.10197	1.38858	1.30733	0.863408	0.253544	0.391937	1.52759	0.446882	0.156705	0.435223	1.39523
LTF	9.83539	1.06321	1.65753	4.95269	3.20693	128.222	0.8115	5.49229	0.0164876	0.17841	0.320935	0.0678071	1.86047	0.194576	0.738801
LTK	0.0592083	0.106978	0.0795946	0.0610159	0.436862	0.0441132	0.101403	0.0986614	0.0270409	0.0371563	0.0417743	0.0529564	0.0143253	0.0889665	0.201948
LTN1	3.85673	3.53961	3.73584	4.15578	0.959075	3.25599	2.88453	4.4401	3.77798	4.60088	5.37064	2.88332	5.4345	4.06103	3.46539
LTO1	2.53685	2.92998	3.2427	2.18016	4.16822	3.20505	3.03243	2.37663	2.31999	1.9196	1.73688	2.55568	2.15084	2.6996	1.8545
LTV1	5.77172	4.72152	5.51936	6.43483	2.58652	6.48569	2.31226	3.22962	4.30252	3.92563	6.0329	3.63874	7.68012	5.50392	3.84553
LUADT1	0	0	0.0422639	0	0	0	0.0583311	0	0	0	0	0.0731103	0	0	0
LUARIS	0.0238097	0.0158664	0.021179	0.00817887	0.0246565	0.0270316	0.0543703	0.0493736	0.135322	0.0697285	0.15231	0.00715647	0.0460857	0.045628	0.125377
LUC7L	4.49479	5.24241	5.27676	4.03239	5.20823	4.5952	3.10577	3.51627	3.33055	2.76594	3.27596	4.85022	2.33221	5.55362	5.89104
LUC7L2	13.5216	11.5946	12.5001	10.3203	11.8353	14.5713	6.73396	10.543	8.57048	7.00541	8.32982	7.06912	9.30597	9.03108	8.42139
LUC7L3	9.05015	9.30069	8.72984	5.27806	3.55917	4.99365	3.25796	5.5129	3.49517	4.0806	4.79464	3.49537	3.14542	5.53918	5.34425
LUCAT1	0.0458732	0.0110512	0.0758992	1.0873	0.142514	0.429665	0.0261883	0.101921	1.56432	1.12272	1.42409	0.525176	0.725131	0.994977	1.35054
LUM	34.4302	12.5946	17.5079	31.0631	10.1765	43.64	26.0119	26.3024	10.7095	164.384	353.165	11.4492	40.6954	69.5152	226.057
LUNAR1	0	0	0	0	0	0	0.05505	0	0	0	0	0	0	0	0
LURAP1	0.980041	0.765022	0.790454	0.654701	0.953872	0.737742	0.721789	0.495894	0.120413	0.467084	0.759111	0.227694	0.368232	0.439344	0.533802
LURAP1L	2.34012	1.86535	2.30601	3.04104	1.88432	3.06945	2.11195	2.01089	3.81397	9.57792	4.81721	2.27154	4.73487	2.1853	1.47031
LURAP1L-AS1	0.0735478	0.118122	0.060844	0.0252644	0	0.062625	0.111966	0.370391	0	0.12308	0.0276754	0.0175418	0	0.0384393	0
LUZP1	6.46268	4.89142	5.07345	8.66364	4.94314	8.54691	5.32712	4.82989	6.24357	7.04699	6.11356	4.31595	10.9574	8.07529	7.88322
LUZP2	0.187871	0.00842037	0.0108432	0.0225124	0.0067867	0.0818448	0.00997696	0.108721	0.0106421	0.00548365	0.00493215	0.0031262	0	0	0
LUZP4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0191123
LUZP6	6.78084	6.68495	6.37857	15.3051	7.78867	12.4811	6.00731	7.57782	15.1596	20.024	22.0326	14.2785	26.0095	12.7791	9.92641

LVRN	0.626029	0.205109	0.32731	0.165156	0.101134	1.20257	0.514642	0.258152	0	0.125717	0.033922	0.00716705	0.0517006	0.0523504	0.294891
LXN	2.1567	1.97835	2.04151	2.92777	0.676463	4.69695	0.947096	1.41909	1.38908	4.65896	8.82559	1.009	2.114	2.64455	4.91398
LY6D	61.9264	137.284	121.176	454.718	189.607	425.768	128.627	64.3443	128.698	430.959	487.982	247.752	399.341	167.815	70.907
LY6E	23.1234	15.9012	16.5407	48.6521	44.9366	199.439	28.446	15.4782	8.3167	15.5361	46.5413	10.5468	21.3946	18.6371	26.4534
LY6E-DT	0.131869	0.111189	0.0818186	0.0339738	0.256048	0.505282	0.075282	0.234389	0	0	0.111648	0	0.0212703	0.189532	0
LY6G5B	1.01662	0.907613	0.932896	0.325742	0.703324	0.465553	1.01443	1.09709	0.265313	0.257337	0.0916181	0.492077	0.124018	0.526865	0.70546
LY6G5C	0.0136618	0.0263298	0.0376733	0.0563154	0.0424429	0.0465313	0.0623943	0.0364244	0	0.0171469	0.0514081	0.0456184	0.0323199	0.0714024	0.0327001
LY6G6C	4.7472	8.45296	8.46913	4.91919	16.9574	4.94008	16.1663	7.6941	85.6309	10.2491	27.9769	21.4384	6.04341	3.68143	1.44974
LY6G6D	0.020631	8.57E-05	0.0445152	0.0297362	0.019272	0	0.0242025	0.0220523	0.0300486	0.0309669	0.0254384	0	0.0106125	0.00867034	0
LY6G6E	0.00417443	0.0160904	0.0103602	0	0.00648433	0.00355447	0.0142987	0.00370989	0	0	0	0.00896075	0.00807997	0	0
LY6G6F	1.03E-08	4.13E-09	8.61E-08	0.00332074	2.82E-08	0	6.17E-07	3.23E-08	0	0	5.81E-05	2.02E-08	0	2.74E-08	0
LY6G6F-LY6G6D	0.00404173	0.0300028	0.016718	0.00416514	0.00627819	0.00230749	0.0415309	0.00718389	2.35E-26	2.42E-26	0.00380579	0.00581713	8.30E-27	0.00422475	0.00778369
LY6H	0	0.00963758	0	0.350426	0.031071	0.119224	0.0456767	0.0355534	0	0.627634	1.76128	0.128812	0.412979	0.63771	0.574526
LY6K	0.375617	0.47579	0.288575	1.27889	0.758676	0.379125	0.677283	0.216537	0.62946	1.44466	1.68693	0.358881	2.91041	0.337228	0.184879
LY75	2.56713	1.56001	2.10308	1.13008	0.398118	1.64214	1.24824	2.05597	0.487072	0.454427	0.540129	0.212123	1.03454	0.227204	1.12022
LY75-CD302	3.34146	2.35787	3.12954	1.63124	0.903041	1.96983	2.68399	2.83901	0.461355	0.310303	0.566764	0.266812	0.554867	0.517092	1.85584
LY86	0.658221	0.279084	0.304935	1.2481	0.204489	1.36754	0.330676	0.725365	0.192393	0.892226	2.49665	0.131873	0.951285	0.192648	0.907477
LY86-AS1	0	0	0	0	0	0.019482	0	0	0	0	0	0	0	0.00597903	0
LY9	0.246203	0.179539	0.214686	0.0960018	0.289412	0.192641	0.0531823	0.1301	0.105352	0.0751645	0.195304	0.0714181	0.133089	0.0765102	0.0668932
LY96	1.42998	0.743378	0.62262	3.21872	0.350723	1.08944	0.558556	1.10363	0.137491	4.53416	7.34916	0.26926	2.20942	1.31773	3.13449
LYAR	1.81797	1.71709	1.49202	3.7618	1.12061	4.34908	0.840164	1.25662	2.07351	1.73847	2.60605	1.68279	7.02835	4.91665	2.59012
LYG1	0.116884	0.360426	0.232067	0.144543	0.108937	0.15924	0.133454	0.103877	0	0.117361	0.052779	0.133814	0.0603304	0.281008	0.0671441
LYG2	0.159975	0.17985	0.0882284	0	0	0	0.0913271	0.284345	0	0.0669284	0.0902959	0.0381555	0	0.11148	0.268035
LYL1	1.1002	0.53633	0.87804	1.42724	3.15661	2.89859	0.945825	0.58666	0.315276	1.2509	2.61548	0.435288	1.20256	1.51533	2.63958
LYN	2.77183	1.20142	1.40898	10.7719	1.82426	8.48809	1.62687	2.47326	0.779545	5.44193	8.25615	1.18282	9.26503	3.51697	5.87508
LYNX1	3.23537	3.75914	3.25094	3.89503	16.8756	3.02172	3.56909	1.96516	7.93677	3.69081	1.66868	5.61313	7.82336	3.09868	1.38621

LYNX1-SLURP2	0.267759	0.0280369	0.0122634	0.185803	0.43927	1.58765	0.888312	0.0598871	0.00299845	0.63929	0.0867149	1.34176	0.359791	0.0709255	0.253887
LYPD1	0.141615	0.0514374	0.084782	0.327784	0.11726	0.216228	0.0173076	0.0804821	0.0320456	0.158223	0.510559	0.0439263	0.194452	0.138862	0.361721
LYPD2	2.18184	4.39269	6.38185	0.521961	7.80714	0.530801	1.77939	5.19384	2.89448	0.146702	0.131948	0.306657	0.0502753	0.0610887	0.111907
LYPD3	85.5452	124.573	117.948	189.091	232.995	122.764	157.274	99.6071	726.3	448.593	345.621	473.362	563.591	190.622	86.5002
LYPD4	0	0	0	0.0111603	0	0	0	0	0	0.0135924	0	0	0	0	0
LYPD5	5.14197	8.6414	10.4881	79.1835	15.6551	9.05784	13.2635	7.75028	72.6565	86.0297	86.6079	52.9322	132.353	40.2646	10.9763
LYPD6	0.161163	0.0983579	0.115549	0.315559	0.100137	0.141803	0.11654	0.0429686	0	0.134851	0.315351	0.0153756	0.242624	0.0870387	0.293171
LYPD6B	2.68567	5.50414	6.80351	0.913727	2.45516	0.733094	5.32586	3.8029	1.67455	2.25795	1.4071	1.5355	2.3463	1.17531	0.479814
LYPD8	0.0532024	0.0256337	0	0	0	0	0.0607448	0.0472819	0	0	0	0	0	0	0
LYPLA1	8.02131	7.64555	7.60329	14.5662	3.14394	8.74404	10.6738	9.1927	42.7837	16.1164	25.0117	11.188	17.8486	9.27758	5.83721
LYPLA2	6.72631	7.84118	7.38	19.767	17.3769	23.4798	9.77883	5.87646	12.8779	12.9137	21.2673	10.0642	21.8552	13.0564	8.1249
LYPLA2P2	0.0144554	0.215909	0.0837095	0.0297934	0.157179	0.0246171	0.0660187	0.0770804	0.0704201	0.036286	0	0.051716	0	0	0
LYPLAL1	2.01056	2.26555	1.9852	2.51752	0.453352	2.18137	1.36995	2.17108	2.29066	1.61447	2.17205	1.07509	0.899673	1.02821	1.1798
LYPLAL1-DT	0.0568975	0.0822422	0.058837	0.0146586	0.0441907	0.0242237	0.0162409	0.0126414	0.0173237	0	0.0321151	0	0	0.00743428	0.020428
LYRM1	1.73674	1.99467	2.29713	3.14248	1.19203	1.65936	2.00601	1.72294	3.98436	2.52196	4.78742	1.81345	4.10429	1.56736	1.56611
LYRM2	1.89447	1.64222	1.49277	2.7341	0.75412	2.75109	1.03788	1.45293	1.82363	2.58915	3.31367	1.10874	2.25022	1.95553	1.38056
LYRM4	2.42847	1.151	1.22287	2.3258	1.38384	2.79828	1.56721	1.32543	0.779586	1.8056	4.02277	1.47794	1.85211	1.48996	1.47844
LYRM4-AS1	0.476322	0.399129	0.291252	0.341471	0.184973	0.436442	0.478824	0.404911	0.239609	0.162455	0.292233	0.414913	0.220469	0.414009	0.394077
LYRM7	1.5677	1.42091	1.70752	1.23085	0.679046	1.11353	1.06701	1.57565	0.956517	1.171	1.71048	0.726357	1.32657	1.10616	0.98276
LYRM9	2.96906	1.76182	1.82277	0.628044	1.35932	3.35308	2.30162	1.77762	0.456756	0.529552	1.44652	0.313076	0.383125	0.441027	0.920115
LYSMD1	1.01505	1.64948	1.38172	1.8258	2.42241	1.86217	1.33806	1.0169	1.8206	1.60986	1.91671	1.25451	1.53009	1.39379	1.11318
LYSMD2	0.822401	0.619482	0.747424	1.92181	0.539777	1.82463	0.648036	0.535294	0.310352	0.944969	2.52364	0.422689	1.13595	1.01704	0.948184
LYSMD3	1.73844	1.33755	1.48311	2.16663	0.13502	1.94285	1.08549	2.16298	1.97829	2.96604	4.07216	1.33719	3.80652	2.54972	2.62926
LYSMD4	3.55867	5.19638	5.12138	3.45064	6.04797	4.27009	3.91202	2.99656	3.46156	2.77568	1.81086	2.20644	2.44174	2.07969	0.972935
LYST	5.72025	6.59594	6.90135	4.10351	3.17748	3.65894	4.16256	6.04404	9.40408	6.41396	5.42256	4.66831	4.68021	6.00075	5.53173
LYVE1	5.66542	2.61372	3.63	3.30078	2.44454	8.68641	17.1016	4.31097	0.146565	4.5197	8.45425	0.801478	7.74661	5.55912	6.06231

LYZ	12.6683	5.7128	6.61279	21.4721	10.0851	31.6188	5.72296	10.9152	1.71568	29.1721	73.7756	4.04938	37.6671	11.9556	59.1797
LYZL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYZL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYZL4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYZL6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LZIC	2.7863	3.04494	2.78131	4.56521	2.94912	3.24443	2.75982	3.03867	3.47369	3.55778	4.47996	2.63832	4.66724	2.70577	2.97902
LZTFL1	1.53808	1.32405	1.50145	1.76468	0.246882	1.70692	1.09466	1.41705	0.643137	1.13897	2.12986	0.69701	1.14784	0.916412	1.06763
LZTR1	2.81578	4.33623	4.37486	4.991	9.65587	6.01912	4.13353	2.74076	3.67099	4.46306	3.16656	4.52843	4.86537	5.99593	5.87702
LZTS1	0.879879	1.02422	0.764599	1.45917	1.56201	3.4816	0.953964	0.70968	0.355697	0.58929	1.13934	0.359759	1.72455	0.919729	4.21028
LZTS1-AS1	0.233506	0.212513	0.0214636	0	0.120905	0.0662758	0.17774	0.207521	0	0.0325638	0.0585776	0.0371289	0	0.12204	0.409865
LZTS2	5.57083	6.21963	6.28088	5.91911	12.0402	18.1897	6.56543	3.99319	4.06357	5.00806	3.52323	4.0881	6.19866	5.29531	5.59127
LZTS3	0.970643	0.837456	1.08776	0.348933	2.02493	1.02831	1.06315	0.571741	1.20275	0.800366	0.382233	0.698559	1.37994	0.625277	0.648356
M1AP	0.0662413	0.0718112	0.0684993	0.0426647	0.102896	0.105757	0.0472701	0.125098	0	0.0207849	0.130862	0.0473974	0.00534232	0.0389482	0.142696
M6PR	10.4419	10.1313	11.2205	21.2664	8.65471	23.491	11.3018	9.00417	10.1976	13.8676	22.9469	9.6501	17.8344	11.1689	10.7189
MAATS1	0.180724	0.166688	0.209311	0.0691755	0.0641663	0.162678	0.141494	0.105546	0.00628863	0.032404	0	0.00369466	0.0033315	0.0134935	0.177972
MAB21L1	0.69262	0.287685	0.388575	0.0984503	0.556488	0.494853	0.345412	0.290083	0.0581747	0.0699444	0.206704	0.0113928	0.0667744	0.0707343	0.423029
MAB21L2	1.04474	1.38125	1.40359	0.861307	2.12917	0.320249	1.4505	1.20331	0.285012	0.618912	0.311356	1.22596	0.118635	0.947901	0.504127
MAB21L3	5.8488	7.90221	8.11642	5.56466	3.60647	3.04932	4.81248	11.7434	2.28655	3.53528	2.77507	5.28471	2.02401	5.7619	5.59951
MAB21L4	5.89973	14.8592	13.7525	8.32205	27.1585	4.31321	11.0077	6.97051	25.2004	4.78178	4.44649	5.79676	4.15604	2.52159	0.876916
MACC1	1.41964	1.85495	1.82503	1.49198	0.811505	0.686597	1.65308	1.5896	3.13027	0.988159	0.754053	1.12215	0.962216	1.20031	0.375683
MACC1-AS1	0.0362176	0.0174502	0	0	0	0	0	0	0.0882179	0	0	0.0259147	0.0701022	0.113573	0.104026
MACF1	41.0253	39.7413	42.6454	53.0842	33.3173	44.7805	40.8691	35.1658	43.6496	54.1561	23.185	53.9435	71.5677	49.529	33.4938
MACO1	4.3935	3.71779	3.55281	9.69109	2.63043	5.41578	2.95004	3.24261	14.8974	8.57458	8.88159	7.17843	10.3811	5.63876	4.62151
MACROD1	3.59021	4.25801	5.39183	2.39065	8.83714	3.59004	4.09919	2.40528	3.31859	1.54824	3.03448	1.52816	0.86716	1.46263	1.24273
MACROD2	0.606797	0.683616	0.775123	0.17932	0.256433	0.455894	0.499239	0.650298	0.146715	0.0279997	0.0503675	0.0702349	0.0115148	0.023319	0.00640762
MACROD2-AS1	0.363232	0.462528	0.429273	0.106949	0.161207	0.0220919	0.222175	0.403513	0.0157991	0.0162819	0	0.0278466	0	0.0135601	0

MACROD2-IT1	0.139206	0.150911	0.143952	0	0	0	0	0.0618575	0	0	0	0	0	0	0
MAD1L1	1.86392	2.60738	2.98074	3.29895	6.27496	4.16541	2.94303	1.44712	1.61181	1.27841	1.65045	1.92367	3.20989	2.42636	2.14942
MAD2L1	1.01533	0.512496	0.786621	3.35489	0.0500685	3.25231	1.10407	0.716143	0.353302	2.488	6.60418	0.703432	3.4002	2.89755	0.972094
MAD2L1BP	2.59986	2.25204	2.15079	5.40238	2.86887	5.56464	2.72513	1.27522	2.61266	4.81442	9.52644	1.75862	5.55474	3.35619	2.46875
MAD2L2	2.99744	2.15793	2.59503	6.51912	3.3567	12.8355	3.32289	2.02888	1.54936	4.02457	8.77412	2.31932	5.97048	3.31535	3.05334
MADCAM1	0.0150573	0.123332	0.0498258	0	0.537951	0.217958	0.0515758	0.0535267	0.0366762	0.0377969	0.084989	0.150834	0.00971489	0.0314784	0
MADD	5.03867	5.76489	5.7538	4.44855	8.2136	6.67521	6.88209	4.7217	6.43096	3.40662	2.98253	4.38258	4.45487	3.79355	4.97613
MAEA	6.8088	7.60259	7.7176	13.2411	17.3442	16.0252	7.57899	4.98058	17.1466	12.4273	11.8429	11.9442	22.0596	10.9928	7.81527
MAEL	0	0.0110897	0	0	0	0	0	0	0	0	0	0	0	0	0
MAF	10.9019	21.0958	20.8301	23.2043	35.9901	23.9529	15.8167	14.3625	22.5505	16.7451	17.7724	16.5039	16.0155	10.0096	11.8101
MAF1	10.8479	9.97593	10.1714	17.9376	23.7568	22.3927	9.63173	7.18418	19.3568	13.9425	25.0217	7.678	17.6153	12.3136	9.5496
MAFA	0.0487633	0.0939796	0.0726128	0.100504	0.212089	0.0498255	0.0222705	0.0346694	0.0475105	0	0.0440381	0.0348914	0.0125847	0.0152915	0
MAFA-AS1	0	0	0.0918252	0	0	0.0472566	0.0633669	0	0	0	0	0	0	0.0290062	0
MAFB	31.976	30.5732	20.1556	53.8074	91.0542	58.334	59.6	18.155	120.634	93.3473	69.3526	77.7461	170.217	56.9237	31.287
MAFF	3.6224	3.07633	3.29183	5.95769	4.71744	9.62721	3.66593	2.44698	18.7496	7.08377	6.93928	8.38439	12.5061	6.47805	5.20222
MAFG	2.57683	2.65927	2.57266	2.67819	5.20695	4.78585	2.87174	2.0826	5.34319	3.60462	3.86862	3.57727	5.84878	3.83312	3.96633
MAFG-DT	0.170978	0.40013	0.343509	0.402737	1.55558	0.571942	0.404378	0.173658	0.431337	0.33722	0.579038	0.305848	0.559449	0.363825	0.543708
MAFIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAFK	3.75116	4.47017	4.87618	4.32812	9.40633	8.46152	4.2756	2.60553	6.4012	4.23436	2.29688	4.41562	7.64034	7.5	7.86158
MAFTRR	0.0337855	0.651134	0.503095	0.139268	0.419844	0.143839	0.732928	0.330283	0.164588	0.339234	0.381396	0.145046	0.0217982	0.0529733	0.145561
MAG	0.00914023	0	0	0	0.0141979	0	0.0521801	0.00812307	0	0	0	0.0130802	0	0	0
MAGEA1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEA10	0.0590599	0.0243908	0.0558383	0.0173894	0.0131058	0.00718411	0.0577995	0.0224947	0	0	0	0	0	0.00881923	0
MAGEA10-MAGEA5	0.00022432	0.00028822	3.09E-05	0.00026970	0.00017422	3.18E-05	0.00012806	9.97E-05	0	0	0	5.35E-05	0	1.95E-05	0
	6	4		3	8		4								
MAGEA11	0	0	0	0.0114496	0	0	0	0	0.0135313	0	0	0	0	0	0

MAGEA12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEA2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEA2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEA4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEA4-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEA5	0.083196	0.106894	0.0114709	0.100025	0.0646161	0.0118067	0.0474952	0.0369688	0	0	0	0.019843	0	0.00724698	0
MAGEA6	0	0	0	0	0	0	0.0147951	0	0	0	0	0	0	0	0
MAGEA8	0	0.0235943	0.0486134	0.0201859	0.0456401	0.0083394	0.0223648	0.0435201	0.0119279	0	0	0.00700782	0	0.0307124	0
MAGEA8-AS1	0	0.0187092	0	0.0400161	0.0603174	0	0	0	0	0	0	0	0	0	0
MAGEA9	0	0	0.00579793	0	0	0	0	0	0	0	0	0	0	0	0
MAGEA9B	0	0	0.00477877	0	0	0	0	0	0	0	0	0	0	0	0
MAGEB1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEB10	0.01185	0.0457317	0.0392126	0.0244235	0	0.0201802	0.0405968	0.0105324	0	0	0	0.0169589	0	0.00619333	0.0170181
MAGEB16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEB17	0	0	0	0	0	0.0144578	0.0193866	0	0	0.042622	0	0.0121493	0	0.0709938	0.0243847
MAGEB18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEB2	0	0	0.0118769	0	0	0	0	0	0	0	0	0	0	0	0
MAGEB3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEB4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEB5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEB6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0055985	0
MAGEC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGEC3	0.00860017	0.00414369	0	0	0.013359	0.0219688	0	0.00764311	0	0	0	0	0	0.00449482	0
MAGED1	9.56565	6.90961	6.48925	12.3463	13.6488	31.0809	10.566	6.40358	9.59128	18.9083	37.5305	10.6012	13.9921	12.2743	28.5491

MAGED2	13.1587	9.38991	9.79478	13.0749	16.709	26.4917	11.9268	7.87712	10.5997	17.4375	35.3126	6.18705	12.8839	10.9238	19.4656
MAGED4	0.0640622	0.107002	0.0865613	0.310291	0.630249	0.27457	0.112155	0.068323	0.0884302	0.613771	1.18126	0.145789	0.360976	0.656273	1.42298
MAGED4B	0.0653011	0.109073	0.0882354	0.316278	0.64241	0.279858	0.114323	0.0696377	0.0901265	0.625609	1.20398	0.150413	0.367946	0.668902	1.45045
MAGEE1	0.43147	0.590525	0.688019	0.489751	0.573088	1.11282	0.606874	0.4557	0.10662	0.19621	0.169418	0.143178	0.371176	0.189555	0.502901
MAGEE2	0.0615234	0.0296429	0.0763447	0.0422678	0.0955671	0.0436553	0.081953	0.0364513	0	0.0643485	0.0694522	0	0	0.0214365	0.0147259
MAGEF1	4.3204	3.87158	4.75793	4.99111	7.2454	9.12662	4.85435	3.33826	3.68659	3.45385	7.87496	2.2053	5.91234	3.12816	2.80592
MAGEH1	2.58014	1.59726	1.75932	2.41719	1.67601	4.04772	2.78523	1.80662	0.647508	4.51405	11.5624	0.660141	2.01781	2.31287	4.4914
MAGEL2	0.0215384	0.0311326	0.0400908	0.05549	0.259289	0.247586	0.0307399	0.0622101	0.0196735	0.162198	0.401184	0.0346755	0.00694825	0.0337708	0.371183
MAGI1	3.90765	4.40057	4.8366	2.73145	3.50162	4.28171	3.78719	3.54462	3.38178	2.14493	1.59295	2.33907	2.68569	2.64654	2.28028
MAGI1-AS1	0.665705	0.924506	0.80988	0.807093	0.243311	0.133374	0.625949	0.835233	0.0953829	0.638934	0.221029	0.756524	0.0505306	0.961915	0.618612
MAGI1-IT1	1.05441	2.26661	2.30373	0.993733	0.489961	0.299273	1.64635	2.09841	0.120733	0.769155	0.193297	1.24454	0.0465164	1.59673	0.970688
MAGI2	0.648858	0.348585	0.345065	0.314619	0.296289	0.732625	0.44549	0.343267	0.131096	0.252398	0.413909	0.0580801	0.173619	0.12654	0.883923
MAGI2-AS2	0	0	0	0	0	0	0.0555126	0	0	0	0	0	0	0	0
MAGI2-AS3	0.96	0.461124	0.588271	0.379832	0.317841	1.13734	0.479788	0.85332	0.0605622	0.475015	0.968343	0.138534	0.437947	0.447052	1.39625
MAGI3	2.56717	1.47626	1.41318	1.64811	1.55326	2.24051	1.44909	1.38997	0.92508	2.16817	1.12882	1.60068	2.49794	2.03351	1.91934
MAGIX	0.288361	0.551778	0.449842	0.263203	0.921445	0.385842	0.291614	0.292882	0.37126	0.382604	0.334825	0.394975	0.393361	0.292808	0.319466
MAGOH	8.05109	5.41309	6.60978	13.6914	2.33004	11.5212	4.29914	4.38014	7.30739	7.99174	18.0046	4.18368	7.34738	6.75176	5.93506
MAGOH2P	1.33796	1.23703	1.25643	0.409915	0.505535	0.123163	0.743175	0.996244	0	0.453858	0.0408213	0.206993	0.0233309	0.321289	0.155795
MAGOHB	1.44555	1.64812	1.79379	1.65192	0.511336	1.55381	1.25829	2.01606	0.74081	1.44606	2.55278	0.901196	0.918808	1.35019	1.42853
MAGT1	8.0405	6.49185	6.73737	10.2136	5.72182	8.248	6.87379	8.25058	7.52131	12.6417	17.6596	6.28033	16.2723	8.2061	8.04252
MAIP1	2.68037	1.90395	1.86065	3.2515	1.16029	3.62355	2.51824	2.05043	3.13381	2.30214	4.1763	1.72592	2.76522	2.08698	1.34177
MAJIN	0.0338184	0.0760397	0.0932565	0.0116169	0	0.0383946	0	0.0200366	0.013729	0	0	0.024198	0	0.0235666	0.0161892
MAK	0.231641	0.466726	0.544403	0.135632	0.245331	0.116551	0.300546	0.416405	0.0320583	0.0660758	0.0237722	0.214716	0.129074	0.181599	0.38559
MAK16	2.63116	1.97606	2.33759	4.21506	0.836527	3.76678	1.44623	2.66869	2.38094	2.14247	3.58229	1.77208	5.56903	3.64134	2.69951
MAL	2.84963	2.59889	1.61651	12.166	3.09852	2.92904	3.23037	1.84512	3.37137	11.2406	3.21687	2.76719	12.8043	0.936156	0.321548
MAL2	24.6208	30.5091	31.6897	43.5282	13.9002	27.5562	23.9119	39.1215	81.6374	59.1654	69.0443	47.2935	61.5069	31.5583	11.2478

MAL2-AS1	0.928239	1.65251	1.82215	0.891725	0.635403	0.522457	1.18558	1.41219	0.479022	1.3625	0.230886	2.15014	0.26392	1.75143	0.36151
MALAT1	463.411	527.268	505.877	471.555	125.788	350.174	205.762	584.431	324.996	593.07	265.682	667.348	300.61	786.264	469.978
MALINC1	0.464631	0.397984	0.280655	0.152005	0.423875	0.345389	0.176834	0.222849	0.125749	0.157361	0.233116	0.174144	0.14751	0.142618	0.285972
MALL	9.89574	9.20759	10.8181	31.3555	8.90003	34.7	14.0981	9.64957	34.2304	74.8168	75.604	41.7209	113.82	45.403	21.2101
MALRD1	0.0639125	0.0486221	0.0139139	0.0693302	0.0522517	0.0830631	0.0460883	0.0448422	0.016387	0.00422193	0.0265813	0	0	0.00527423	0.111111
MALSU1	6.008	4.59319	4.28556	8.33946	4.28533	10.5447	4.16484	3.1873	8.66102	6.04022	11.7306	3.99182	7.17912	5.27078	4.75434
MALT1	3.59149	3.25123	3.31041	3.86461	1.71093	3.02995	2.21986	2.9568	6.83569	4.55795	5.31965	3.29705	7.06753	4.45667	3.0476
MAMDC2	5.9785	1.41592	1.91334	0.415291	0.900527	1.18985	7.28267	3.98019	0.235836	0.46638	0.732605	0.269625	0.580792	0.583329	0.924484
MAMDC2-AS1	0.647883	0.246538	0.258736	0.107017	0.0974512	0.0757923	0.563264	0.623173	0	0.0186198	0.0334944	0.0955354	0	0.122053	0.149137
MAMDC4	0.480566	0.767751	0.753268	0.651628	2.37697	0.597641	1.01797	0.882272	0.115515	0.134917	0.0999341	0.44792	0.122392	0.541987	1.02615
MAML1	6.08602	6.45309	6.6506	7.66371	6.88455	8.95602	7.4013	5.7861	4.64425	4.94351	6.18104	3.78759	7.51416	5.68743	6.78316
MAML2	5.87445	5.48047	5.89633	3.914	3.34164	4.71381	5.25433	4.8505	2.50504	3.02683	3.53804	2.75021	4.92826	3.53971	5.0385
MAML3	3.31726	4.11552	3.49118	2.1013	4.23364	3.47821	3.28176	4.03599	3.13402	1.6637	1.3246	2.12679	1.78684	1.32196	1.55886
MAMLD1	0.866674	0.559828	0.653943	0.480918	0.43642	1.31373	1.14178	0.622106	0.139188	0.418371	0.585945	0.211253	0.525377	0.614734	0.902716
MAMSTR	0.21288	0.205137	0.25997	0.229825	0.881802	0.379792	0.497692	0.108108	0.111113	0.254463	0.480629	0.210348	0.176591	0.211924	0.407629
MAN1A1	8.58599	3.96606	4.89017	8.83863	7.45156	11.1368	5.72949	9.04615	0.779352	9.7189	14.5518	6.74304	14.6407	11.0874	16.7207
MAN1A2	5.97031	4.51868	4.99701	5.50012	2.7914	6.81107	4.0728	5.4424	5.21385	5.66398	7.02259	3.72058	6.91486	4.65658	5.95082
MAN1B1	6.92695	7.70551	7.81662	8.61052	12.198	15.0444	7.59003	5.3476	5.73434	8.56377	8.58544	6.50957	8.90759	6.565	9.52396
MAN1B1-DT	1.0632	0.673091	0.623867	0.420425	0.768144	1.81059	0.875153	0.813036	0.496862	0.574111	1.15835	0.601519	0.303102	0.400601	0.31958
MAN1C1	1.67053	1.8981	1.97601	2.43583	4.42298	5.49016	2.17495	1.42259	0.40083	0.907521	2.01529	0.385353	0.904081	0.557736	2.33464
MAN2A1	3.86151	3.82452	4.66663	8.29405	3.61311	7.21316	4.63924	4.40033	5.01985	12.3308	11.9758	5.33981	12.9231	8.36352	9.15705
MAN2A2	3.13101	2.97822	3.65783	1.52331	3.57731	3.83931	3.86663	2.35428	0.705133	1.49801	1.21956	1.82142	1.39197	2.17063	2.86144
MAN2B1	8.0973	8.2142	9.0799	11.6733	18.1751	23.0919	11.4089	8.01266	11.6187	10.505	16.1992	7.0265	12.8009	8.79017	13.711
MAN2B2	4.92604	4.01431	4.27642	5.69182	5.58217	13.2286	5.71278	3.88652	3.19159	3.83038	4.29393	2.65837	4.13777	3.61484	6.69337
MAN2C1	7.62638	8.68431	8.92926	7.20782	16.6368	13.2359	8.49344	6.66041	5.24463	4.47209	3.38724	6.33655	4.75016	7.3438	9.20681
MANBA	2.13187	1.79502	1.79255	2.58593	1.72634	3.98167	2.09093	1.83872	1.9409	2.4564	4.24512	2.02055	1.5739	1.74986	2.67015

MANBAL	8.48285	8.66614	8.48811	14.2553	8.28334	18.642	9.5649	6.3658	11.4243	11.6409	18.5363	6.91345	17.3163	9.19815	8.01211
MANCR	0.0498057	0.0399952	0.0274685	1.60822	0.103154	0.11309	0	0.0147544	0.121315	0.833484	0.468537	1.46113	0.374901	0.0780919	0.0715273
MANEA	1.1381	1.00008	0.978846	1.53968	0.171335	1.6009	0.915909	1.38127	0.775471	1.51653	2.1677	0.979362	2.0735	1.12675	1.08724
MANEA-DT	0.4119	0.383074	0.427922	0.167816	0.163676	0.179442	0.251553	0.723612	0.0699974	0.120227	0.291967	0.137082	0.117427	0.100129	0.275135
MANEAL	1.16079	1.56153	1.22435	1.63561	2.77341	1.58099	1.34757	1.08974	2.3273	0.484336	0.94665	0.986946	0.264768	0.429431	0.350322
MANF	10.2618	8.45274	7.0777	23.7258	8.21268	19.8492	7.24396	6.55686	32.0491	21.295	37.2487	15.6481	18.498	14.2811	7.10975
MANSC1	4.89212	4.12174	4.4903	4.36263	3.04238	6.31939	4.70319	3.97304	15.7241	4.22201	6.91068	4.49336	4.24434	2.41451	2.30825
MANSC4	0.155228	0.0407952	0.0583706	0.0290849	0	0.0360476	0.0483366	0.0250825	0	0	0.0159303	0.0100972	0.00910474	0.0295014	0
MAOA	4.10683	3.12291	2.41522	3.13142	1.01144	4.04408	1.5452	3.44939	1.39943	0.972146	1.2347	1.15411	0.895139	0.880808	0.513397
MAOB	4.54835	2.45788	3.36431	9.60417	1.64854	25.9254	3.30936	3.70138	0.369292	0.52609	0.885956	0.497741	2.07146	1.03943	1.20394
MAP10	0.335161	0.134912	0.12284	0.249207	0.0856717	0.400984	0.159852	0.245077	0.0258347	0.186369	0.330462	0.0849982	0.213507	0.137475	0.152321
MAP1A	3.55874	2.12595	2.83597	0.63831	3.20131	5.45247	6.40091	2.08779	0.172817	1.50394	2.15107	0.378732	1.27883	1.18896	6.09414
MAP1B	10.6557	4.743	6.32246	3.3671	5.11923	13.9241	7.3168	4.74077	1.69361	5.52933	7.95736	1.48714	4.21131	5.37887	11.1301
MAP1LC3A	6.33749	7.40447	7.72189	6.11367	16.4806	8.741	11.351	5.83019	46.878	6.81065	13.7372	11.4889	6.47957	5.20647	4.71066
MAP1LC3B	14.5732	10.4992	11.4888	19.011	4.85502	21.2561	12.6007	12.6167	41.8267	24.4221	36.5565	15.2811	28.6706	12.1746	13.4683
MAP1LC3B2	0.179407	0.161899	0.119646	0.272214	2.38E-28	0.122808	0.227605	0.216838	0.0938582	0.0464195	0.0810661	0.0542373	0.0704158	0.0759356	0.158422
MAP1LC3C	1.02487	0.546341	0.606888	0.421676	0.69786	0.286835	0.697123	0.414242	0.0743239	0.324124	0.115989	0.66033	0.0755225	0.405778	0.479566
MAP1S	1.71334	1.52689	2.09413	3.41183	3.82204	6.8173	2.18423	1.32805	2.52596	2.40104	4.95897	1.02776	3.49087	2.84125	3.62612
MAP2	1.72449	1.95897	2.52882	1.69443	1.44979	1.30827	2.53713	2.27238	10.2638	8.05042	4.31541	4.95863	4.74642	2.18251	1.36344
MAP2K1	5.03522	4.78286	5.3395	10.5257	6.33735	12.8486	4.92854	3.79144	5.7507	9.98835	11.1936	4.91114	16.0625	8.31125	6.25307
MAP2K2	15.6379	15.719	16.0633	28.6938	41.8189	43.3691	22.8863	10.6455	41.4734	29.1464	41.3659	24.3089	45.5963	24.2819	17.1264
MAP2K3	8.02926	7.71933	8.41974	15.9762	13.4936	17.5612	10.6479	6.30442	32.0315	12.3441	17.9503	13.0409	23.1471	11.1082	10.4537
MAP2K4	5.06717	5.33503	5.47719	6.65056	2.03275	5.32722	3.75245	4.88036	12.8373	9.14975	8.69494	6.64851	11.4159	6.90832	4.27359
MAP2K4P1	0.0364601	0.0219767	0.0301624	0	0	0.0155227	0.0104072	0.0486041	0	0.0228806	0.0411589	0.00652205	0.011786	0.0381113	0.039271
MAP2K5	4.0057	4.63638	4.80316	3.93319	4.60026	5.72556	4.3886	3.68793	2.11584	1.92064	3.59723	2.6472	2.21277	2.87922	3.29648
MAP2K6	0.983142	0.615238	0.567531	0.682891	0.300765	0.5344	0.44977	0.804014	0.0650516	0.406426	0.702839	0.10749	0.24985	0.246012	0.426691

MAP2K7	4.68606	6.01244	6.14968	7.88933	11.5168	11.3367	7.11643	4.56479	7.64651	4.8739	4.09641	5.98212	8.66173	5.65207	4.68644
MAP3K1	8.1714	11.4684	13.5607	8.99241	6.10241	6.99719	8.92878	10.7534	6.70586	6.21854	6.31662	4.90104	9.92205	5.1355	3.32762
MAP3K10	1.20565	1.76542	1.6939	2.59597	6.04733	4.04902	1.42271	0.90986	3.02692	1.91054	1.44466	2.13018	2.27714	3.02037	2.33119
MAP3K11	7.75969	6.86267	7.16418	12.0149	21.3099	18.25	7.32151	4.90445	8.26715	9.64165	7.47282	8.62501	19.6834	10.1795	11.2648
MAP3K12	2.61962	1.75688	1.72756	1.14898	4.64234	3.61118	2.41792	1.69278	0.773877	1.24555	1.84371	1.00639	0.937729	2.09425	3.92133
MAP3K13	1.71592	1.70435	1.78513	1.36829	0.621519	1.40176	1.30233	1.8947	0.780645	1.06684	1.15729	0.796211	0.896472	1.12258	0.763298
MAP3K14	2.38674	3.89935	3.72047	3.20608	4.8569	4.61034	2.86195	3.07519	1.78342	1.53705	1.59425	1.81964	1.32473	1.8112	2.28261
MAP3K14-AS1	0.609401	0.949138	0.84414	0.438143	0.572369	0.567166	0.7767	0.843865	0.10356	0.320174	0.143987	0.304216	0.0731502	0.281465	0.529176
MAP3K15	0.0211081	0	0.0216906	0.00531811	0	0.00871597	0.00599794	0.00463276	0	0	0.0233699	0.00726456	0	0	0
MAP3K19	0.0383401	0.0323275	0.0753294	0.0148165	0.0148889	0.0408076	0.0601913	0.0596286	0.00583674	0.0060151	0.0324609	0.0137167	0.00309211	0.0150287	0.0137653
MAP3K2	5.99548	5.60816	6.53098	4.06123	1.15421	4.68448	4.00857	6.33112	3.58349	5.41389	5.79234	3.40787	5.27626	4.12718	4.54668
MAP3K20	3.36383	2.95513	3.46905	7.19642	1.82289	5.20328	3.22703	3.19807	2.90491	6.8354	5.70295	3.46542	11.0484	6.01151	5.52872
MAP3K20-AS1	0.411803	0.507414	0.775703	1.07574	0.228513	0.0858234	0.26134	0.544626	0.066659	0.872293	0.361476	0.62661	0.65806	0.884535	0.513106
MAP3K21	0.824688	0.669923	0.72179	0.829337	0.686926	0.807373	0.623186	0.757698	0.412425	0.530035	0.449744	0.496014	0.778848	0.839131	0.303241
MAP3K3	5.63468	4.62028	4.8883	4.94574	6.10107	10.3097	4.93149	3.90303	3.82787	5.19381	5.00761	3.62097	5.59345	4.71987	6.37992
MAP3K4	5.44283	5.21189	5.15684	5.55905	4.174	5.65137	3.98938	3.63589	4.4814	5.11463	4.38614	4.35059	5.61511	5.26971	4.61809
MAP3K5	3.41243	3.88932	3.63379	11.647	5.94424	8.31863	1.95319	4.10561	3.57	4.69112	4.77251	4.84831	6.1969	6.00704	4.20972
MAP3K6	9.01664	14.9	17.0142	15.3695	21.1991	20.2273	13.9716	10.2885	11.0136	12.2788	6.47729	9.06428	13.5167	9.82278	6.76496
MAP3K7	4.36704	3.73123	4.17595	4.56035	2.33075	5.88089	2.99168	3.94073	4.13483	4.08693	5.24331	3.05422	5.99652	4.04976	3.67936
MAP3K7CL	0.703835	0.402924	0.256739	0.824926	0.892868	0.512965	0.340515	0.641957	0.450389	0.711386	1.40728	0.375576	0.380991	0.355589	0.770946
MAP3K8	3.5303	2.38203	3.27562	5.14057	2.74764	8.86674	3.46461	3.17032	9.50037	5.89853	10.5354	4.17825	4.3501	3.69404	6.97253
MAP3K9	1.58983	2.23184	2.2436	5.76811	4.71656	2.30252	3.84177	1.66755	17.0404	7.74195	4.73505	7.62002	13.052	5.94137	1.44593
MAP4	21.9297	21.5927	20.8499	57.5594	37.0073	46.5508	28.9373	19.076	54.5995	53.885	30.4298	49.9728	74.4811	32.7645	33.9341
MAP4K1	0.732479	0.531362	0.517448	0.534326	1.2145	0.84094	0.498034	0.533939	0.18042	0.165274	0.36234	0.182555	0.610652	0.309701	1.30014
MAP4K2	1.78735	1.60357	1.50411	1.62755	2.80031	1.86958	1.58333	1.02701	1.20099	1.56644	2.25251	1.35055	1.63037	1.64281	1.91407
MAP4K3	5.13583	5.09218	5.46014	3.03451	2.7444	4.21045	4.29495	5.29986	4.09669	3.16306	3.79127	2.21705	3.18353	3.26098	3.2383

MAP4K4	8.43502	6.87042	7.30587	16.2689	8.73325	20.0041	6.54154	6.98946	8.01022	17.3013	12.109	8.63377	29.2482	12.7916	15.5749
MAP4K5	8.34929	7.64822	8.49141	5.51202	3.04777	6.64717	5.03456	8.12966	10.0349	8.48822	9.24261	6.60512	8.0266	6.87825	6.53483
MAP6	1.09181	0.265018	0.311338	0.183262	0.372597	0.869797	0.524136	0.316086	0.0503675	0.15572	0.331472	0.0266325	0.181444	0.164271	0.326662
MAP6D1	1.02834	0.855337	1.0119	0.65815	0.790276	0.912486	0.926941	1.2987	1.87201	1.11405	1.50302	0.782276	1.20823	0.729807	0.419729
MAP7	5.60197	6.45876	5.5256	8.19802	11.5564	6.61543	4.85262	5.79708	22.3458	10.0907	4.86456	11.756	14.3786	7.96653	2.54217
MAP7D1	13.8364	16.5001	16.749	29.2064	43.4903	32.2985	20.4153	10.3502	76.9783	43.8078	18.9633	41.0887	82.9722	38.2209	27.6051
MAP7D2	0.244526	0.133525	0.130364	0.0167994	0.126611	0.277615	0.359848	0.12556	0.132358	0.0682012	0.0736106	0.069986	0.0385653	0.0880401	0.0234114
MAP7D3	1.56152	0.68071	0.688554	1.04725	0.519477	1.50147	0.606426	0.632639	0.344989	1.07993	1.31907	0.469081	1.54892	1.23072	2.14531
MAP9	0.362045	0.13492	0.117522	0.266767	0.0294223	0.623625	0.118946	0.216029	0.111497	0.669612	0.965768	0.110683	0.256637	0.351433	0.698185
MAPK1	11.0082	11.833	12.5959	17.3378	6.48622	14.1249	13.8032	11.8771	16.7167	17.7959	19.6933	11.7061	25.4057	12.5711	11.1954
MAPK10	0.194638	0.108905	0.101286	0.0291164	0.0585173	0.192462	0.100362	0.125548	0.04588	0.126085	0.166563	0.0516641	0.0445604	0.0721928	0.148779
MAPK11	2.40855	1.83475	1.81138	4.15969	5.76725	9.00593	1.09783	1.35369	0.962323	3.03493	3.60019	2.05035	2.88685	3.14952	4.58008
MAPK12	0.631726	0.43315	0.351756	1.0266	2.77403	1.81027	0.48548	0.45346	0.221934	1.32655	2.96227	0.512865	0.940585	1.61909	2.2681
MAPK13	5.97902	10.8065	11.1135	15.4648	16.6999	12.7584	11.0207	8.29001	30.8155	24.0296	18.006	19.1857	34.1606	12.4366	5.18856
MAPK14	10.1806	8.78659	8.58638	14.54	9.40286	11.7445	7.32445	8.43175	20.1248	14.594	17.0947	11.5682	15.5993	10.0744	7.99073
MAPK15	0.355481	0.785508	0.902519	0.176851	0.837798	0.365313	0.797758	0.533799	0.0597153	0.18462	0.0138377	0.727985	0.0474527	0.217823	0.299268
MAPK1IP1L	6.08519	5.20388	5.70904	9.68492	1.93944	9.57732	4.99152	6.75625	7.57688	7.57492	8.03275	6.2434	15.1649	7.24164	7.1518
MAPK3	14.5946	13.7293	12.965	26.4657	25.1998	38.6689	21.6394	9.21446	57.8159	46.6127	55.4532	30.0956	65.6258	23.7398	13.8241
MAPK4	0.229671	0.176584	0.238511	0.0906445	0.197356	1.01942	0.27339	0.156342	0.0178541	0.0122664	0.00551639	0.00699302	0.0126113	0.0102159	0
MAPK6	14.1707	12.4888	11.7638	26.0962	5.52213	13.2368	7.8928	14.5896	41.2277	29.1775	27.1583	26.7264	45.5941	25.3935	10.6356
MAPK6-DT	0.133775	0.0902367	0.132802	0.165431	0.124679	0.113908	0.030548	0.118888	0.260676	0.134321	0.30203	0.248871	0.0345243	0.0978832	0.230541
MAPK7	3.5853	4.23941	4.19268	4.64177	9.77293	8.00339	5.2108	3.37445	12.9057	6.92793	8.66318	8.68533	5.56339	6.55184	3.93338
MAPK8	2.86575	1.94496	1.94674	2.66409	0.639251	2.6281	1.93502	2.4205	2.4741	2.53092	3.45892	1.51782	2.52243	1.8595	2.32643
MAPK8IP1	1.00333	0.674713	1.13472	0.617165	0.964626	1.38291	1.34387	0.61458	0.237445	0.696087	1.18045	0.403007	0.978369	0.762342	1.67997
MAPK8IP1P2	0.0135246	0.00339602	0.0275089	0.0208006	0.0102361	0.0621835	0	0.0189253	0	0.0843176	0.135286	3.53E-38	0	0	0
MAPK8IP2	0.266882	0.310914	0.362481	0.820984	0.519747	1.4381	0.532118	0.226562	0.960543	0.554941	0.220337	0.561483	0.585963	0.447599	0.154455

MAPK8IP3	4.71345	6.20811	6.11866	3.69764	11.9388	8.57896	6.83418	4.3664	2.5375	3.47479	1.77209	5.20768	7.41319	6.12665	5.87896
MAPK9	2.7116	1.96403	2.0988	2.36476	0.902188	3.34956	1.60293	2.07735	1.48414	2.00354	2.53814	1.28499	2.34495	1.95726	1.75009
MAPKAP1	8.23267	7.10553	7.13744	12.6646	8.28848	15.0826	7.39528	5.67826	10.0188	12.3632	13.5618	7.64041	19.8594	10.4439	8.68955
MAPKAP2	12.7986	11.0047	13.2934	28.3044	18.6441	29.5171	12.0887	9.20483	30.5733	22.6376	29.1856	13.5929	32.1652	18.7876	20.4885
MAPKAP3	7.28133	9.24787	9.3088	13.2675	9.58873	16.525	10.3667	7.97133	19.1391	12.7316	12.4869	8.42412	15.7366	9.34501	6.01903
MAPKAP5	4.85095	4.34628	4.70392	4.95531	4.98726	7.33021	4.516	3.793	3.19188	3.7026	5.55858	3.21794	4.75423	4.26363	4.39565
MAPKAP5-AS1	2.17671	1.5304	1.34676	1.26724	1.38633	1.59793	1.54183	1.14888	0.596222	1.0448	2.15956	0.726103	0.87187	0.953657	1.27947
MAPKBP1	4.08911	8.42475	8.33053	8.90176	12.788	9.12197	9.08514	5.07522	7.07175	5.96966	3.02335	8.38027	9.22075	7.3275	4.58888
MAPRE1	15.9522	14.1817	15.1748	27.132	12.7186	22.4632	12.6327	14.0437	34.3966	33.1996	28.277	24.0469	48.6948	25.4685	18.1831
MAPRE2	7.39347	4.47624	5.31995	3.56768	2.71829	5.1728	7.66733	4.49705	5.84504	5.90462	6.6813	4.72015	4.40001	3.09575	5.76188
MAPRE3	1.98757	4.41449	5.00497	3.31715	4.41269	5.26702	4.67152	3.30013	6.86044	3.88185	3.61184	3.97512	2.98385	2.58431	1.64302
MAPT	0.499307	0.759367	0.914639	0.0980096	0.741301	0.25596	0.868709	1.04144	0.21511	0.0383683	0.0325923	0.120304	0.0405427	0.109177	0.0853652
MAPT-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAPT-IT1	0.0500848	0.0965266	0.0924291	0.0039703	0.173552	0.00328051	0.101174	0.13011	0.00938426	0.00483551	0	0.0110268	0	0.00402716	0
1-Mar	0.907975	0.382792	0.375571	0.40405	0.320545	1.21241	0.388761	0.449315	0.0376981	0.2331	0.407667	0.0959755	0.332853	0.150992	0.0740891
2-Mar	1.81697	0.755385	0.773038	0.599182	1.33862	1.57365	1.20917	0.765865	0.12645	0.28669	0.820454	0.445746	0.736875	0.775982	1.13323
1-Mar	1.67932	1.02695	1.23229	1.47266	0.11287	1.50897	1.05548	2.68711	0.275317	1.05892	1.75447	0.447709	0.734479	0.829157	1.64066
10-Mar	0.0108704	0.00780849	0.00449637	0.0280054	0.0168855	0.02314	0.0124115	4.51E-18	0.00661945	0.0204652	0	2.91E-20	0.0175338	0.0225021	0.0702506
11-Mar	0	0	0.012064	0	0	0	0	0	0	0	0	0	0	0	0
2-Mar	6.63032	4.86281	5.17196	8.73958	12.7379	15.9581	7.33022	3.96154	12.838	9.62364	17.9446	5.91768	9.02597	5.33349	6.56272
3-Mar	1.03691	1.52538	1.74299	1.36413	1.83344	1.49345	2.50637	1.21563	9.75346	1.80678	3.55523	2.68361	1.41987	1.21648	0.871306
4-Mar	0.00520069	0.00250577	0	0	0	0.00885663	0.00593797	0.0138658	0.00633385	0.0130548	0.00587093	0.0223274	0.0100664	0.0326173	0
5-Mar	2.55835	2.63856	2.46269	4.25842	2.51809	4.07572	2.30183	2.7399	5.89414	3.46994	4.91103	2.6151	5.00895	3.08397	2.28574
6-Mar	8.83772	8.35605	9.75956	6.42662	4.27071	8.9216	8.39547	8.97595	7.06314	6.42832	7.40078	5.41177	7.01572	5.80901	6.54986
7-Mar	10.6193	11.1534	11.2279	17.3469	2.9864	8.73944	6.56474	12.314	24.4348	20.3629	20.39	10.919	23.7399	13.031	8.87175
8-Mar	3.1542	2.67722	2.61545	2.79315	3.51515	5.02483	3.70187	2.2393	2.8677	2.12212	2.72021	1.92625	4.21922	2.20251	2.88645

9-Mar	1.40331	1.75572	2.2128	1.96549	4.38375	2.05972	1.75275	0.978426	2.46447	2.77332	2.56442	1.79741	2.10095	2.00175	1.89286
MARCKS	9.36154	8.55731	9.46157	30.8704	28.34	25.9786	5.86313	9.03656	17.1576	26.0707	26.0285	8.88764	30.6546	13.6188	17.7611
MARCKSL1	6.40064	5.14699	5.50341	19.2386	17.0311	34.3659	4.80435	5.97804	4.51114	24.212	43.5211	7.95112	31.5652	15.0537	17.1713
MARCO	1.34949	0.3646	0.396475	15.1416	1.80236	4.56406	2.6928	0.30263	0.0921601	0.854786	0.455597	0.0541454	0.781172	0.316396	0.470924
MARCOL	0.0325043	0.0313221	0.0268898	0	0	0.0415155	0	0.0144436	0	0	0	0.0697731	0	0.0169882	0.0466803
MARF1	7.63502	8.37387	8.25704	7.36713	5.14485	10.649	7.02217	7.29921	6.42646	5.39558	4.90341	4.70141	6.88033	5.20399	5.84412
MARK1	1.29043	1.2435	1.32364	1.87049	1.07311	2.08936	1.04178	1.10628	0.746113	1.7505	1.32799	1.18682	2.67224	1.98754	1.67539
MARK2	6.68505	9.64569	9.75949	14.2435	16.5965	13.2641	9.67369	6.89023	12.6859	7.98095	6.95135	9.68486	16.2929	8.34237	5.35863
MARK2P9	0.0489282	0.129659	0.182146	0.050422	0.190006	0.0416617	0.167594	0.13045	0.178767	0.12282	0.0552339	0.455123	0	0.0767161	0.175668
MARK3	8.13614	8.68053	7.90227	13.3638	10.6829	13.2862	5.67405	6.4849	12.5839	22.1353	14.6689	13.4164	27.145	19.8116	11.9671
MARK4	3.70781	6.34854	6.42327	5.62691	10.2439	9.80246	6.9096	4.11514	12.5093	5.77843	5.7703	6.50958	8.7203	6.25429	4.49448
MARS	6.16883	7.08441	7.18533	12.9352	12.7148	16.4205	9.64498	4.93905	14.5424	13.3825	12.3144	11.7365	27.3433	14.1952	10.4783
MARS2	1.34195	1.40151	1.65593	1.95463	1.31592	2.04273	1.56644	1.09934	1.3513	0.81862	1.38795	0.976295	2.33143	1.93169	0.732126
MARVELD1	10.5384	7.09275	7.70673	9.71813	12.7382	32.1615	13.4283	6.5763	3.50905	9.16185	19.2734	3.36612	9.0135	8.76994	16.6233
MARVELD2	2.20716	3.24196	3.03137	4.38348	2.71283	3.81349	3.13173	2.08533	5.16736	3.21399	2.81818	2.89024	6.44974	2.93988	0.76936
MARVELD3	0.51598	0.505065	0.37743	1.03548	1.00398	1.17931	0.279061	0.463387	0.363814	0.736227	0.607002	0.559625	1.83625	1.11276	0.397807
MAS1	0.0408167	0.00983305	0.0337664	0	0.0317012	0.0173774	0.0932063	0	0	0.0256146	0	0	0.0131674	0	0
MAS1L	0.0183675	0.0287617	0.0493834	0.0118302	0.0178319	0.00390992	0.0131071	0.0224448	0.00279619	0	0	0.00657122	0.00444398	0.0131995	0.00989177
MASCRNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MASP1	1.5052	0.962878	1.57087	6.30971	0.96042	5.95679	2.25531	1.29654	0.0817874	1.58982	1.85864	0.980906	4.88867	8.71158	6.53823
MASP2	2.23365	2.19939	2.23646	0.548056	0.867406	0.513216	1.67996	2.28442	0.172719	0.611865	0.15009	0.469322	0.268783	0.699514	0.865596
MAST1	0.150432	0.385053	0.443346	0.116269	0.313998	0.128091	0.450866	0.246494	0.435123	0.123905	0.222888	0.178276	0.112223	0.0614238	0.0337562
MAST2	3.02248	2.70838	3.18996	3.6417	4.51538	5.41551	3.83485	2.16632	1.59525	2.50556	2.13892	2.37064	3.99505	4.47905	5.82945
MAST3	1.53947	3.25078	3.24887	2.36351	5.7648	3.02964	5.27314	1.86375	7.08348	1.47379	1.93293	2.19182	2.15374	1.54761	2.70155
MAST4	8.51545	10.7658	10.4997	12.6544	12.8236	10.5112	7.01476	9.02261	24.8817	17.2948	7.95647	19.0548	17.323	13.2045	8.34616
MAST4-AS1	0.591814	0.585298	0.695734	0.930872	0.822524	0.291744	0.391203	0.968865	1.44153	1.68105	0.632922	1.89442	0.401932	2.40935	1.74457

MASTL	1.83164	1.78411	1.88793	2.64769	0.915069	2.63029	1.20392	1.6806	1.62784	1.70864	2.15711	1.42039	1.94832	1.60412	0.867345
MAT1A	0.163171	0.468433	0.568068	0.105095	0.12673	0.289454	2.81007	0.374616	0.207004	0.0426658	0.0690748	0.0972942	0.057025	0.0461934	0
MAT2A	17.9009	30.3741	31.9846	41.246	15.6967	37.1897	18.593	17.8394	26.7295	26.1992	30.6126	24.6564	35.4767	40.8278	21.0867
MAT2B	5.51202	4.95238	5.27552	8.31647	2.24414	9.07333	3.66678	5.22577	3.53021	5.54376	8.98548	2.21233	6.67914	4.08794	4.70462
MATK	0.326597	0.152988	0.30771	0.308521	0.944176	0.40169	0.279674	0.177377	0.0662931	0.318821	0.737375	0.103862	0.269252	0.161211	0.456006
MATN1	0.0130486	0.0271565	0.0175075	0.0138706	0.0298023	0.0462168	0.00725626	0.00580913	0.0393462	0	0.00769004	0.0245033	0.00779727	0.00664701	0.00918174
MATN1-AS1	0.3143	0.553032	0.714435	0.230032	0.821129	0.471189	0.553592	0.420565	0.187722	0.127523	0.113075	0.269255	0.116541	0.247194	0.307103
MATN2	8.48572	7.02476	7.57549	3.94631	9.71578	6.82868	7.6357	5.11479	4.02845	3.20422	4.73016	2.24764	3.72398	2.32628	4.08081
MATN3	0.349431	0.185629	0.155655	0.129266	0.222682	0.411972	0.0818397	0.191104	0.196416	0.348608	0.677668	0.102575	0.156081	0.163897	0.270214
MATN4	0.0296452	0.285671	0.547717	0.0305503	0.0153498	0.0252425	0.575416	0.201988	0	0.0124026	0.0223105	0.0494946	0	0.0103293	0
MATR3	13.8667	11.9196	12.387	17.1399	7.04939	17.478	8.07978	11.2835	9.1866	13.7334	16.8314	7.30057	14.5273	11.3346	12.7815
MAU2	4.8928	6.19227	6.02417	6.09386	9.00766	9.82255	5.85324	4.70432	5.54652	4.59675	4.76969	4.99889	6.08286	4.31183	5.63641
MAVS	5.567	8.98962	8.69132	8.28604	8.93343	13.0276	8.44214	6.64027	4.76592	4.57748	4.27361	5.23438	6.13362	6.44943	6.03311
MAX	7.4736	8.43467	8.83093	9.39908	9.50487	13.1327	8.59973	6.85916	9.27142	6.66522	11.8369	6.22555	9.09023	5.60937	5.81882
MAZ	14.0993	12.6277	14.4546	35.2695	31.702	39.0131	15.8394	9.1659	9.08326	18.9144	30.3355	13.4687	29.1024	23.5436	18.8893
MB	0.989825	0.204391	0.311944	0.0161912	0.463703	1.11039	0.197328	0.558523	0	0.0788782	0.33699	0.05621	0	0.0410576	0.0451274
MB21D2	1.38845	1.32139	1.50117	0.8925	0.89686	1.0886	1.28706	1.19117	1.67423	1.39756	3.11149	0.786907	1.11756	1.32559	1.61888
MBD1	5.48075	6.82279	7.36339	11.0783	13.6618	10.3806	6.0274	4.45248	17.1407	15.1806	5.99729	11.3215	21.5052	13.0144	6.23612
MBD2	8.06357	8.75001	8.28471	12.2925	6.125	11.3439	6.50356	6.36347	12.8093	12.0205	11.9104	8.41994	18.764	8.78013	5.85234
MBD3	7.22352	7.9157	8.53476	15.8903	30.1948	23.9245	7.35935	4.18926	10.9968	9.84501	8.87581	8.59448	14.6571	11.6887	9.5094
MBD3L1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MBD3L2	0	0	0	0	0	0	0	0	0	0	0	0	0	6.01E-06	0
MBD3L2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0185935	0
MBD3L3	0	0	0.0247679	0	0	0	0	0	0	0	0.0112659	0	0	6.41E-06	0
MBD3L4	0	0	0	0	0	0	0	0	0	0	0.0112659	0	0	6.41E-06	0
MBD3L5	0	0	0	0	0	0	0	0	0	0	0.0112659	0	0	6.41E-06	0

MBD4	3.57304	3.47684	3.36802	4.96566	2.64812	5.62745	1.98202	2.95404	4.55066	3.82017	5.27258	2.79054	5.03251	3.8203	3.32029
MBD5	2.04271	1.49207	1.6485	1.12588	0.746949	1.68366	1.4802	1.63078	0.754303	0.975312	1.18555	0.861555	1.04989	1.04147	1.85629
MBD6	5.23089	9.2564	7.51982	9.35593	12.266	15.1285	9.68455	8.36086	6.59476	5.52241	8.02025	9.32917	7.67817	7.5488	8.65747
MBIP	3.52482	3.59286	4.11258	3.96529	0.6326	3.91012	2.03632	3.20745	2.87329	3.71899	5.96071	2.63263	3.59703	2.78903	2.27895
MBL1P	0.49316	0.331087	0.400196	0.0837415	0.937046	0.688037	0.28915	0.174466	0	0.0815924	0.0917332	0.101846	0.0314574	0.361375	0.534375
MBL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MBLAC1	0.539285	0.63103	0.560855	0.396964	1.72326	0.86591	0.686109	0.438192	1.53876	0.232066	1.11321	0.518173	0.586535	0.394596	0.376177
MBLAC2	1.18419	1.1802	1.23462	0.991875	0.848333	1.16486	1.00016	1.45127	0.796837	0.760106	1.21472	0.878271	0.847762	0.734778	0.885267
MBNL1	15.594	15.7291	19.9109	13.8642	5.60646	17.2876	15.2385	16.6511	10.925	18.2147	21.002	11.2924	23.7019	14.5672	17.4216
MBNL1-AS1	1.35181	0.712004	0.945313	0.481257	0.421852	1.67412	1.07748	0.690397	0.673834	0.79103	1.06163	0.517486	0.842018	0.905156	1.12624
MBNL2	9.44304	9.8577	10.1285	11.8519	3.13559	8.64403	6.75808	9.72134	11.191	13.9069	14.4227	12.4572	13.2734	11.2502	9.90431
MBNL3	2.15542	1.89438	1.95127	2.57364	0.506924	1.92352	1.80502	2.72836	1.68975	1.82478	1.86627	1.8373	2.23795	1.0826	0.906473
MBOAT1	2.52445	1.69584	2.0481	1.25511	1.44655	1.68755	2.09771	1.39521	0.270966	0.837642	0.800131	0.746416	1.21854	1.25581	1.17885
MBOAT2	4.28571	4.00462	3.65418	4.75811	2.86262	2.94375	4.67152	5.53804	24.0756	17.6753	13.7562	13.084	17.0289	9.72882	4.28381
MBOAT4	0.0556658	0.0804619	0.138152	0.0860478	0.237788	0.0947974	0.0953361	0.173149	0.0847433	0.139733	0.188519	0.199152	0.0448941	0.0654601	0.0799431
MBOAT7	3.13919	5.10064	5.25589	9.6587	12.3128	10.2708	6.04784	3.39576	9.58072	6.19683	13.3545	6.79746	10.8132	6.64104	5.25069
MBP	3.31717	4.01909	4.11768	4.37242	3.88146	6.4287	3.88701	3.99727	2.80631	4.70644	4.64581	2.79831	6.46615	3.27982	2.35544
MBTD1	3.48737	3.98623	3.92374	2.27772	1.6298	2.37263	2.45485	3.85977	2.96939	1.93214	2.59703	2.07686	1.25957	1.81141	1.6118
MBTPS1	10.5887	10.2469	10.7792	12.8668	10.9407	17.5105	11.01	8.41018	9.65261	8.56154	10.331	7.48201	12.9034	10.7976	12.8392
MBTPS2	2.1174	1.6954	1.76012	2.20312	0.921569	2.40391	1.6234	1.9454	1.25823	2.33659	2.96764	1.19667	2.44518	1.75887	1.98316
MC1R	0.67958	0.928323	1.07497	0.892724	2.26205	1.86314	1.15962	0.776512	0.136426	0.599872	0.944198	0.635875	0.44328	0.827448	0.675666
MC2R	0	0	0	0.00639399	0	0	0	0	0	0	0	0	0	0	0
MC3R	0	0	0	0	0.0331634	0	0	0	0	0	0	0	0	0.0111583	0.0919825
MC4R	0	0.00775429	0	0	0	0	0	0.0143029	0	0	0	0	0	0	0
MC5R	0	0.0338155	0.0290304	0.180816	0.0545097	0.149401	0.0400667	0	0	0	0	0.087882	0	0	0
MCAM	19.3438	4.53122	4.74617	26.1472	20.5532	74.6427	15.1708	4.78388	19.5066	36.082	37.8477	19.2929	33.722	31.4441	43.0117

MCAT	1.62543	1.76876	1.66483	2.27898	3.55541	3.1541	1.96949	1.01217	2.86839	1.87355	3.24542	1.45578	2.15451	1.83197	1.30214
MCC	6.68359	7.94998	8.10586	8.8412	9.13659	6.02299	7.80491	7.20941	7.50735	3.62383	3.41445	3.96739	5.44499	4.27383	4.9428
MCCC1	4.14776	3.91486	3.70177	2.97593	3.12095	2.63867	3.46824	3.32302	4.74461	1.69255	1.99133	2.7388	1.72256	1.98983	1.5552
MCCC2	5.51504	5.69675	5.24468	8.55766	3.34456	8.18052	5.11084	5.09155	5.51292	4.39338	6.46039	4.84261	6.89725	5.40616	4.78292
MCCD1	0.0326418	0.0393183	0.0708845	0.00840959	0.088732	0.00694852	0.0978321	0.0326355	0	0	0.00460607	0.00583902	0	0.0106625	0.0234389
MCEE	3.16554	4.08858	3.34497	5.31818	2.06604	4.0318	2.49054	2.97876	8.42329	5.70922	12.5523	5.50079	2.90054	2.08544	2.8652
MCEMP1	0.0176935	0	0.0146373	2.07863	0.164904	0.10546	0	0	0.0215486	1.53229	2.43679	0	1.33564	0.0924738	0.15246
MCF2	0.0272849	0.0184048	0.0045144	0.0337415	0	0.00929309	0.0186918	0.00484971	0	0.0136981	0	0	0.0176041	0.0941178	0.00783691
MCF2L	2.45377	2.903	3.70073	1.48802	3.51507	4.06861	3.52928	2.90578	0.509944	0.629859	0.601268	0.819492	0.760791	0.934887	3.20115
MCF2L-AS1	0.22041	0.212394	0.381254	0.041298	0.373498	0.392414	0.297413	0.160267	0.0244031	0	0	0	0	0	0
MCF2L2	0.217274	0.13791	0.237153	0.166514	0.136351	0.172963	0.168675	0.184629	0.0449801	0.151538	0.182405	0.0693787	0.154888	0.306456	0.212161
MCFD2	7.8556	5.74915	6.10417	9.95118	3.3299	12.4077	5.7092	6.05257	9.62448	11.4404	14.723	6.40189	16.5029	8.19873	8.84134
MCHR1	0.0668598	0.0874382	0.126426	0.511836	0.237386	1.78924	0.130866	0.0594194	0.0116325	0.17982	0.398947	0.0136686	0.351263	0.199679	0.192038
MCHR2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCHR2-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCIDAS	0	0.0158993	0.0272988	0.0566768	0.0341722	0.00936597	0	0	0	0.0138056	0	0	0	0	0.0473902
MCL1	40.4336	30.4	34.1111	59.2736	34.3739	47.6307	25.6614	36.3032	63.3499	65.5494	67.6828	54.775	86.7008	68.4067	41.3225
MCM10	0.152592	0.102929	0.092572	1.3209	0.205424	0.848874	0.185839	0.103968	0.086725	0.638394	0.66606	0.400339	2.25125	1.03411	0.562461
MCM2	2.29054	1.76515	1.45803	7.06103	2.35833	9.83605	2.75092	1.38447	1.29432	3.16483	2.83909	1.85149	6.63107	3.41204	1.83909
MCM3	5.38901	4.03901	4.08216	13.1069	6.19697	16.8311	5.30457	3.47494	2.66218	5.86735	7.07702	3.60305	11.5618	7.14863	6.6203
MCM3AP	7.15031	7.54334	7.83374	8.77496	12.022	11.4603	8.25923	6.10406	7.32429	5.26805	4.47102	6.71135	10.0331	8.71856	8.0207
MCM3AP-AS1	0.965112	0.987405	1.07632	0.577854	0.631021	0.451233	0.83627	1.04759	0.170256	0.546959	0.244148	0.568686	0.117535	0.787167	0.771373
MCM4	7.05863	6.88465	6.4353	14.9197	5.55118	15.163	7.75587	6.08108	7.77355	8.23343	9.7761	6.74341	14.4598	7.99794	3.70796
MCM5	4.74496	3.57382	3.94041	11.3534	4.94195	14.6673	6.63194	3.26368	3.13297	5.08834	6.03373	3.40816	10.6915	5.82925	4.71262
MCM6	3.85616	2.12885	2.17896	7.06608	1.21508	8.61715	2.8608	2.30279	1.15362	4.7555	6.96775	1.78407	7.43632	4.31186	4.79193
MCM7	5.73063	6.56315	6.27225	12.6729	8.92119	15.1419	6.57523	3.9401	4.69589	5.5036	5.79026	4.61017	12.4745	6.43519	5.60214

MCM8	1.19848	1.08947	1.34312	1.78872	0.550242	1.60363	0.99764	0.865729	0.496125	0.859551	0.959716	0.705467	1.48556	1.4996	1.41594
MCM8-AS1	0.143237	0.078873	0.118496	0.0210872	0.127141	0.121965	0.116817	0.0727414	0	0.0256825	0.0230996	0.0732072	0.0528091	0.0962512	0.117547
MCM9	2.28908	1.81944	1.875	1.89338	1.29246	1.58046	1.84413	1.85701	1.23802	1.06794	1.04128	1.31193	1.72467	1.44627	1.19493
MCMBP	6.86682	6.14579	7.07745	9.73924	3.0624	9.0772	5.43054	6.39995	7.71095	7.42966	10.5293	4.56716	10.8236	6.95698	6.20962
MCMD2	0.161572	0.159661	0.305117	0.14067	0.0449044	0.12323	0.208787	0.154852	0.0453018	0.0521101	0.098333	0.0474207	0.0666483	0.0955904	0.101064
MCOLN1	3.9491	4.50173	3.68675	4.54711	8.89305	7.33574	5.59211	2.97044	9.59225	4.3335	8.36817	5.30408	6.76841	3.86851	3.15254
MCOLN2	0.572702	0.615552	0.996151	0.310226	0.193888	0.543916	0.217964	0.841758	0.0983636	0.0368616	0.314966	0.120834	0.108957	0.314669	0.411237
MCOLN3	0.600907	0.849017	1.06812	0.426782	0.138751	0.414863	1.01987	0.94539	0.33625	0.254797	0.41251	0.313758	0.110024	0.174006	0.151604
MCPH1	1.47074	1.04699	1.18132	1.29584	0.740331	0.968555	0.935057	1.05212	0.74139	0.932382	1.20173	0.801589	1.22661	1.16965	1.09428
MCPH1-AS1	0.156231	0.263329	0.2017	0.183565	0.129342	0.0882324	0.23442	0.214218	0.00687888	0.0643236	0.0468352	0.221246	0.018542	0.230468	0.197003
MCRIP1	5.70026	3.60964	3.83989	11.5807	18.392	21.9247	7.34517	3.35798	4.16537	9.52557	28.0561	4.06703	9.5833	8.51196	10.4083
MCRIP2	1.92405	0.865817	0.900968	2.50655	2.93232	3.27661	1.13986	0.725916	0.397915	1.27579	3.58587	0.831221	2.21342	1.72658	0.729896
MCRS1	5.04623	5.53341	5.61413	10.5799	12.3795	11.7841	6.10599	3.67021	9.26809	8.02244	12.7812	6.25856	10.2762	7.74243	6.3474
MCTP1	3.34289	1.86672	2.48183	2.54837	1.18499	2.86102	1.53161	2.22434	0.250539	4.06655	6.91364	0.509051	2.93383	2.21306	5.08396
MCTP2	2.01782	2.00664	1.75163	2.52581	1.16181	2.16028	1.34546	1.52308	3.22093	1.54318	2.27787	1.64979	1.34702	2.18372	3.48901
MCTS1	1.41014	1.48339	1.49043	1.62323	0.37445	1.12752	1.03896	1.49351	1.16285	1.23045	1.94855	0.849367	1.12864	1.4122	1.36455
MCU	2.504	2.95829	3.86572	3.6752	2.12159	3.7043	4.09355	2.20849	8.61742	5.55541	7.80201	2.95445	5.54032	3.42379	3.40536
MCUB	4.7594	4.13993	3.74195	15.0324	3.35789	7.91952	3.50522	3.2934	3.56192	10.9439	15.9953	6.26504	18.2955	9.5986	5.42634
MCUR1	3.65483	4.73053	4.5493	3.90591	3.14087	3.5983	4.38065	4.22555	11.1125	3.92354	5.80198	4.32526	3.8155	2.80557	1.63418
MDC1	0.280336	0.328018	0.327951	0.338662	0.280867	0.612469	0.352719	0.276605	0.0989825	0.156043	0.159119	0.168	0.299173	0.228393	0.299411
MDC1-AS1	7.66E-09	0.00387147	0.00754627	5.57E-20	0.00290022	2.13E-19	0.00979818	0.00797381	2.13E-09	0.00170602	5.16E-17	6.15E-15	2.06E-15	2.64E-15	3.01E-17
MDFI	2.819	2.26738	1.3353	20.8977	15.8205	21.7092	1.6223	1.63652	9.4829	14.609	14.0252	11.9234	36.0031	21.8387	7.52553
MDFIC	2.62084	1.55572	1.7692	2.69221	2.35145	5.07735	2.01567	2.34782	3.23785	4.5473	6.49945	2.31035	4.16109	2.89294	5.85355
MDFIC2	0	0.00354665	0	0	0	0	0	0.00654186	0	0	0	0	0	0	0
MDGA1	0.511865	0.335509	0.404105	0.564978	3.53962	0.716823	0.667497	0.309426	0.145564	0.945728	1.43138	0.193352	1.05614	1.07281	4.1718
MDGA2	0.0443708	0.0498832	0.0611777	0.034294	0.0229744	0.0535233	0.0295523	0.0460052	0.00900643	0	0	0.00264571	0	0	0

MDH1	12.4135	8.86785	9.25249	21.8919	8.55294	16.7631	8.8267	9.03839	14.2789	20.6553	39.579	10.0765	15.9628	14.522	9.33729
MDH1B	0.27702	0.141341	0.157146	0.0652519	0.147534	0.121309	0.0632585	0.175852	0.0963941	0.0496698	0.151893	0.0622962	0.0204696	0.0537765	0.0227335
MDH2	16.9461	14.3818	15.1693	28.6018	21.3325	37.3253	20.8584	13.8022	26.7297	18.8857	31.1591	20.375	28.0368	14.8203	11.6388
MDK	4.44159	1.60337	2.0249	5.0165	24.1153	33.5337	1.82126	4.44838	1.50725	7.38683	23.5488	0.865854	1.25097	1.35114	12.5401
MDM1	0.812565	0.534898	0.533896	0.578924	0.311653	0.820015	0.416156	0.52006	0.272856	0.306375	0.551126	0.270369	0.343036	0.449149	0.648303
MDM2	6.76088	5.61283	5.30582	7.00181	3.24517	6.94736	4.49664	6.54691	7.33604	7.51462	9.29684	5.71069	8.11026	5.99568	6.99467
MDM4	8.18723	7.8971	8.28953	4.46602	4.45932	3.69011	6.98811	8.28852	3.004	2.57695	2.84667	3.5971	2.68051	4.75556	5.07928
MDN1	5.52907	7.1982	7.55597	5.83909	5.45846	5.85033	7.0513	4.93275	3.0251	2.21626	2.04939	4.54336	3.59033	4.75978	3.73405
MDP1	2.68696	1.99138	2.22947	1.82724	0.883458	3.00787	2.59975	1.52074	1.87195	2.11863	6.45958	0.682209	1.66627	1.48218	0.201482
MDS2	0	0.0216728	0	0	0.104808	0	0	0	0	0	0	0	0	0	0
ME1	2.54001	2.68225	3.04304	8.2731	2.6576	5.41257	3.08793	4.18136	17.607	17.4348	18.155	13.2636	16.8126	7.13628	3.70448
ME2	1.49213	1.86246	2.38181	3.47269	0.847785	3.41935	1.60076	1.45068	1.15865	3.65129	5.39811	1.3077	3.25645	2.37357	1.97749
ME3	1.44732	0.717752	0.788484	0.647533	1.76565	1.85758	1.12854	0.828226	0.283748	0.708893	1.46648	0.292999	0.501066	0.977829	2.50438
MEA1	5.63283	5.47211	6.3195	9.94472	7.24365	12.8634	6.51404	4.48024	14.8498	10.8581	22.5965	6.54041	10.5924	7.12724	5.07842
MEAF6	3.54719	3.33734	3.27382	3.82841	1.95493	3.95309	2.85262	3.50872	4.89914	4.07768	4.95674	3.13847	4.68551	2.82841	2.55716
MEAT6	0.0216088	0.0208229	0	0	0.033566	0.0367993	0	0.0192041	0	0	0	0	0	0	0
MECOM	1.40364	0.676295	0.600227	0.995772	0.642513	2.19115	0.630985	0.620704	0.313816	1	1.63429	0.373595	1.23593	1.0118	2.94092
MECP2	4.16214	3.82758	4.23229	2.75866	4.40342	6.30044	4.58975	3.58832	1.86027	2.17105	2.26645	1.94406	3.00674	2.6378	4.60117
MECR	1.97985	1.80223	1.77826	2.4775	2.32851	4.05198	2.34126	1.41391	1.67925	1.16259	2.33877	1.24968	1.80659	1.65931	1.11702
MED1	4.8797	4.61874	4.7488	5.0433	2.44867	5.94227	4.8418	4.44269	3.64947	3.515	3.5655	3.0485	6.4818	4.22929	4.91937
MED10	6.19099	4.91367	4.99126	11.8088	8.60262	12.3067	5.11515	4.74176	7.15608	10.7937	17.2307	5.5413	16.3698	8.58927	6.56321
MED11	3.07779	3.87401	3.29619	6.5648	5.29972	6.88695	3.26895	2.43843	6.88659	5.36021	11.4468	3.51675	5.4801	3.84064	3.42643
MED12	2.8028	4.32171	4.37636	4.14091	4.92115	7.21055	5.25143	3.09887	2.85132	2.15903	2.3955	2.78249	3.62956	2.85337	4.27795
MED12L	0.114788	0.0776462	0.0612662	0.0833676	0.110189	0.123354	0.0633921	0.086874	0.0431964	0.06121	0.0732866	0.0420988	0.0514889	0.0683562	0.0955067
MED13	8.26427	8.19172	8.50528	8.33197	3.23594	7.3495	6.21147	7.6905	9.06842	8.84869	7.92631	6.41966	10.7283	7.90922	7.83508
MED13L	18.5332	19.6534	21.5321	15.414	11.7492	20.1746	19.7095	17.8788	14.9494	11.1412	9.0122	10.5858	17.3647	11.2508	12.5673

MED14	5.3774	5.36039	5.33518	6.21404	2.30992	6.8336	5.03507	5.32352	4.1229	7.55517	5.81958	5.90248	9.51812	6.98312	4.93475
MED14OS	0.881238	1.04186	1.18602	1.0708	2.11243	1.52608	1.03365	0.46047	0.717112	1.40177	1.4566	1.34826	1.81364	0.905011	0.703137
MED15	5.22821	6.96289	7.15016	9.76651	9.52013	15.9953	7.56353	5.51657	5.59442	9.14873	8.87685	7.9099	15.9145	8.49744	7.76005
MED15P9	0	0	0.0208671	0	0	0	0	0	0	0	0	0	0	0	0
MED16	3.26092	4.91942	4.44591	8.88242	13.2781	9.81931	5.21431	3.52407	6.79578	6.58622	7.34448	5.48773	12.8585	6.76343	6.59271
MED17	2.01848	2.72629	2.64983	3.86013	2.89896	3.96712	1.5868	1.75269	3.16756	2.67461	4.08656	2.01725	3.89413	3.1683	2.28102
MED18	1.89454	1.92109	1.62876	5.32119	5.59721	4.6181	2.09243	2.09088	8.52056	5.05097	8.73648	2.98585	5.44063	3.7989	2.47183
MED19	2.67794	3.10345	2.94995	4.15407	3.59054	3.9604	3.99096	2.8935	3.26143	3.44954	5.21876	2.47081	3.4374	2.91708	1.98366
MED20	2.21573	2.33	1.77726	4.02847	2.98376	3.40747	1.59679	1.50495	2.01106	2.78097	3.89934	1.66981	3.40816	2.69035	1.58499
MED21	3.95509	4.64519	3.7449	6.98942	0.875918	2.55411	2.92407	5.11583	6.08542	5.1508	5.45499	3.21102	5.25514	4.74414	2.08079
MED22	2.28179	2.95642	3.19336	3.72821	7.52038	5.6576	3.10474	1.76519	1.87904	2.73775	2.10874	1.97953	4.17249	3.36451	3.10715
MED23	4.71067	4.5273	4.66476	4.5257	1.66682	5.02702	3.737	3.91764	3.39579	3.18236	3.69016	2.95558	3.24781	3.44721	3.53425
MED24	4.47429	4.40021	4.47221	9.08115	8.78448	10.8839	6.41631	4.40355	4.97948	4.20807	4.45473	4.6324	8.90947	5.41204	4.78943
MED25	3.18056	5.13512	4.87832	8.34685	10.6175	11.0095	5.98853	3.23042	6.58026	5.02091	7.7719	7.18072	10.3751	5.85419	4.96488
MED26	2.15149	2.1748	2.44731	2.51679	2.98071	3.10691	2.65568	1.80871	2.98322	2.19859	2.23184	1.90351	3.78922	2.29071	1.78499
MED27	3.03599	2.94104	3.01179	3.97714	3.25721	5.29074	3.42234	2.94767	3.94818	3.97194	6.14295	3.02839	4.55671	3.67776	2.95598
MED28	5.74226	6.0318	6.28589	7.62111	4.67009	9.63075	6.24727	5.88505	4.29731	4.07676	8.30476	3.51387	5.10824	5.66885	4.58145
MED29	5.05087	4.92812	4.65435	5.71974	5.02758	10.3132	4.82145	3.75845	6.85974	6.34731	10.4189	5.90274	6.84393	5.88432	4.64817
MED30	0.921436	0.801885	0.963187	1.03054	0.510389	1.35631	0.864488	0.863332	0.417565	0.815824	1.99168	0.413987	1.10145	0.839971	0.902716
MED31	1.1384	1.25438	1.20295	2.00506	0.829381	1.50533	0.820193	1.13213	1.29274	2.01363	2.8686	1.09578	1.42891	1.30208	0.530788
MED4	5.3607	3.86292	4.56211	6.47455	1.23171	6.0617	3.08946	5.31083	6.34698	5.45693	8.09906	3.8046	7.76562	4.88825	4.06839
MED4-AS1	0.734034	0.44511	0.212639	0.356793	0.108491	0.126907	0.078062	0.0933281	1.81E-17	0.232269	0.0970038	0.412493	0.0439231	0.349996	0.369835
MED6	4.60553	3.73849	4.27137	4.84519	1.55327	3.96247	3.53491	4.25537	4.77763	3.8134	4.68895	2.74501	4.56575	3.33168	3.06542
MED7	1.67885	1.86727	1.71337	2.87812	0.755542	2.23112	0.859899	1.43625	1.79624	2.42222	3.38305	0.987955	2.21699	1.64828	1.14919
MED8	5.4753	5.51551	5.08057	11.8898	9.2065	10.5835	5.59416	4.56501	19.6751	16.2097	19.6387	10.8485	20.8467	9.76495	7.73349
MED9	3.18712	2.20805	2.11101	3.68155	2.29738	4.7447	2.74705	2.37888	3.64054	1.76478	3.32743	1.50541	2.74847	1.85081	1.54066

MEDAG	2.50797	0.900452	1.40187	11.0566	1.62448	20.209	4.74305	1.72114	0.235863	4.50896	11.0952	0.436505	11.0208	4.43842	9.67887
MEF2A	8.57364	9.34097	10.5914	7.29252	3.07291	12.1521	8.76842	9.86896	4.85792	7.55687	8.74234	5.34596	6.18023	5.41354	8.20335
MEF2B	1.13195	0.961412	1.00945	1.00984	2.85363	2.30657	1.09067	1.10749	0.678223	0.580517	0.774311	0.570069	0.914269	0.574235	1.21394
MEF2C	2.66026	0.96691	1.13616	1.09486	0.990421	3.73135	1.75289	1.70928	0.399747	2.16099	4.199	0.341985	1.65702	1.42354	4.56081
MEF2C-AS1	0.0559153	0.0371827	0.0283743	0.0220911	0.0133194	0.0109518	0.0391611	0.0228614	1.27E-16	0.0107621	0.0198672	0	0.00276617	0.0224075	0.0431001
MEF2C-AS2	2.69E-12	8.02E-27	5.41E-30	4.38E-13	0.819	5.58E-14	8.97E-10	7.70E-30	1.53E-25	2.00E-23	2.47E-13	6.81E-10	8.70E-06	3.74E-13	2.65E-22
MEF2D	7.24429	6.1325	6.99546	4.97958	7.5888	13.4725	9.4243	6.30609	6.50215	4.96949	6.94763	4.2837	7.10319	6.21021	9.11769
MEFV	0.0579853	0.0182101	0.0260555	2.0513	0.20548	2.09718	0.0721166	0.0448129	0.0505347	0.909198	1.1662	0.157752	1.13391	0.645272	1.25744
MEG3	1.01841	0.836802	1.11608	0.268582	4.83427	1.40424	1.27781	0.99461	0.0693505	0.263888	0.551341	0.504604	0.107392	2.21605	5.77791
MEG8	0.551748	0.195112	0.297317	0.130411	0.448185	0.2974	0.190724	0.350891	0.00616484	0.304954	0.719997	0.105036	0.163296	0.902141	1.81739
MEG9	0.0701305	0.10137	0.123286	0.00903393	0.653621	0.179146	0.0600545	0.0779076	0	0.110026	0.138545	0.0689978	0.0339359	0.16494	0.906446
MEGF10	0.273343	0.126213	0.146042	0.0440138	0.203452	0.375791	0.253577	0.204968	0.0208063	0.196553	0.28607	0.103904	0.292096	0.930083	1.10815
MEGF11	0.876571	0.86166	1.06832	0.38311	0.35864	0.173269	0.737227	1.11289	0.214466	0.289781	0.172286	0.333205	0.0934183	0.451999	0.606954
MEGF6	3.96969	8.95472	10.7863	3.15793	18.3781	8.28876	8.5037	4.0809	1.60271	1.56968	1.91754	2.43528	2.40065	2.23896	9.08314
MEGF8	2.01649	2.2217	2.29054	3.05836	6.84102	6.29292	3.01224	1.70554	1.4412	1.59449	1.61662	1.92478	2.58735	2.25621	3.87216
MEGF9	6.51061	8.84872	9.13191	6.22547	5.43579	5.83882	7.19532	7.81636	20.4561	8.26972	10.0632	6.69845	7.02587	3.952	4.02476
MEI1	0.0866565	0.0584534	0.105143	0.196464	0.125634	0.0737868	0.0923454	0.118087	0.0140717	0.152268	0.260865	0.0289357	0.137912	0.0392517	0.273789
MEI4	0.0519971	0.008351	0.0143386	0	0.00673079	0.0332061	0	0.0269563	0.00527722	0.0217539	0.0440237	0	0.0223655	0	0
MEIG1	0.058442	0.0375444	0.0161158	0.0602262	0.0302602	0	0.0222424	0.103877	0.118626	0	0.0879651	0.0418168	0	0.0407258	0
MEIKIN	0.0296706	0	0.0122728	0.0458646	0	0	0	0	0.0180677	0.204818	0.083736	0.0318451	0.028715	0.054275	0.0213054
MEIOB	0.0898673	0.0547019	0.107409	0	0.0394317	0.0569327	0.0280509	0.0779753	0.165708	0.0170267	0.030364	0.0565644	0.0266957	0.0217457	0
MEIOC	0.103847	0.0619482	0.061364	0.0458646	0.0153629	0.0505282	0.0395231	0.158212	0.0240903	0.062066	0.0390768	0.0672286	0.0382866	0.0439369	0.0710178
MEIS1	2.46636	4.2205	2.73852	3.13396	3.45817	2.54611	2.3093	2.08198	2.65819	3.17772	3.48232	3.22756	1.38475	1.64646	1.5986
MEIS1-AS2	1.02344	1.03394	1.22903	0.510334	4.00005	0.421669	0.829283	0.410766	0.36187	0.580109	0.521767	0.921283	0.170405	0.500387	0.426715
MEIS1-AS3	0.00564602	0.0625678	0.065391	0.00581839	0.0438511	0.00480752	0.0128929	0	0.0481336	0	0	0	0.0254995	0	0.040542
MEIS2	1.51252	1.81054	2.12584	1.48318	1.52837	1.81819	1.11146	1.68839	0.452551	0.729128	1.00438	0.958667	0.796903	0.86436	1.36042

MEIS3	0.481493	0.453895	0.718717	1.41307	3.12177	4.04637	1.06365	0.401077	0.293202	1.97062	5.54181	0.292094	1.57354	1.76701	5.32142
MEIS3P1	1.79163	0.59761	1.1128	1.40292	0.767821	3.95484	0.842807	0.894468	0.305936	1.21029	2.82662	0.266714	1.83219	0.924074	3.68905
MELK	0.399171	0.397475	0.337561	4.13186	0.192905	2.74933	0.506401	0.40205	1.19916	2.9392	3.23441	1.33923	4.20655	3.20354	1.28665
MELTF	1.62593	1.02908	1.54406	0.510602	6.83713	2.33883	1.79602	1.0303	0.0292929	0.283767	0.255228	0.134238	0.220361	0.291641	0.43523
MELTF-AS1	0.730065	0.609711	0.644225	0.32602	1.58766	0.745969	0.388997	0.281156	0.0889137	0.152718	0.137359	0.226365	0.125609	0.394282	0.209693
MEMO1	5.35985	5.80538	6.30286	10.8021	5.08353	8.72641	5.20805	4.8483	9.24591	13.8539	16.0889	8.6098	16.7602	9.74914	4.32736
MEN1	2.22163	3.20209	2.84612	5.0237	6.85259	6.87493	2.59456	1.83338	4.06629	3.38587	2.92355	4.15575	4.48037	3.61604	2.37012
MEOX1	2.52416	1.75988	2.12091	2.80523	2.5678	2.91628	2.67857	0.976479	0.53044	2.75809	5.08431	0.637448	3.4743	3.51278	5.81422
MEOX2	3.84579	1.36385	1.8976	0.724239	1.66782	1.87003	2.51869	1.58746	0.106989	2.05815	3.49297	0.230478	0.749423	1.18354	3.70072
MEP1A	0.00790135	0	0.0130731	0.0244277	0	0.0134558	0	0	0	0.009917	0.00891964	0.0226145	0.00509791	0.00825918	0
MEP1B	0.2103	0.159226	0.132553	0.0309601	0	0.00852705	0.28585	0.160198	0.0121963	0.012569	0.0339147	0.0501585	0	0.0523391	0.0575272
MEPCE	5.5784	6.0297	6.35787	7.1204	10.6497	16.2261	6.82746	3.63797	8.05653	3.87852	3.83578	5.79582	5.8864	5.3626	4.68767
MEPE	0	0	0	0	0	0	0	0	0	0.0126236	0.0227081	0	0.0389355	0	0
MERTK	2.24665	0.716522	0.844813	2.75592	0.822885	2.74993	1.34088	1.10042	0.349794	1.35381	3.01893	0.470388	1.02126	0.91067	2.29153
MESD	2.91162	2.71365	2.70009	4.17058	2.94532	5.32244	2.37456	2.97724	3.67837	3.01005	3.98904	2.17987	4.07886	3.81119	3.52491
MESP1	0.617414	0.086365	0.0823819	0.164197	0.34031	0.678348	0.1137	0.177002	0	0.149984	0.382216	0.0142508	0	0.0728649	0.171616
MESP2	0.172388	0.145353	0.0475371	0.207259	0.379352	0.45259	0.0820111	0.0893689	0.139966	0.270455	0.567596	0.051395	0.305865	0.172687	0.144416
MEST	1.09252	0.452255	0.681042	0.840444	0.250975	1.44126	0.922379	0.95727	0.393549	0.724241	1.26807	0.649607	0.794244	0.571001	0.81765
MESTIT1	0.128493	0.0515916	0.0708658	0.0514951	0.0443543	0.018235	0.0489031	0.0888176	0	0.00895956	0.00805849	0.0051078	0	0	0
MET	2.19927	3.17894	4.20421	4.85707	0.793615	2.9991	2.24449	1.65684	2.24579	3.03209	1.94415	1.78426	6.01642	3.54554	2.02625
METAP1	7.71992	7.25398	6.98087	12.0453	4.06212	10.3937	4.94138	6.08861	12.8209	10.6435	10.4408	8.33952	12.2958	9.03893	5.96334
METAP1D	1.28572	0.929224	0.762277	0.699294	0.843252	0.894069	0.905266	0.723675	0.313174	0.331709	0.556379	0.444653	0.400946	0.627178	0.451358
METAP2	8.52013	7.72344	7.35981	12.4623	4.08326	13.2552	4.1099	7.17876	12.854	11.5475	11.8548	8.75232	15.916	11.481	6.49741
METRN	0.800479	0.713343	0.978668	0.98552	3.40015	1.8759	1.63381	0.786946	0.802346	1.35143	3.16674	0.795787	0.827258	1.58831	1.38358
METRNL	16.9435	22.59	23.8989	29.0703	57.8672	38.6225	31.6517	15.9544	111.961	55.8055	80.3812	49.6124	77.5112	34.3259	25.2122
METTL1	1.66446	1.68924	2.02149	4.74438	2.83302	5.24689	2.24412	1.36908	1.98399	2.04462	4.03778	1.96382	2.50196	2.88739	2.31409

METTL11B	0	0	0	0	0	0	0	0	0	0.0619337	0.167115	0.017654	0	0	0
METTL13	2.57446	2.79176	2.54563	5.48114	5.04363	6.32764	2.31898	1.92576	3.01131	2.27635	2.53819	2.38647	4.42646	3.11706	2.39005
METTL14	2.85325	2.74948	2.92866	2.94717	0.923352	3.2281	1.87019	2.88205	2.43729	2.42058	3.58631	1.58317	3.06817	2.24376	1.75477
METTL15	1.91286	1.94431	1.83391	1.76603	0.724518	1.8519	1.26256	1.60685	1.20632	1.77597	2.09431	1.50746	1.27475	1.78037	1.33216
METTL16	4.01473	3.35703	3.69067	3.50717	2.99941	4.30223	3.81685	3.78247	2.93958	1.87823	2.00722	2.28833	3.6752	2.7122	2.54198
METTL17	7.10136	7.87846	7.34418	7.4421	5.35355	9.59987	5.38414	5.25022	3.02632	4.67425	6.61061	5.18373	4.9506	5.70545	4.05648
METTL18	1.20962	0.709206	1.07302	1.23153	0.407484	1.50153	0.432635	0.777114	0.940704	1.48161	2.50069	0.49011	1.48565	0.837854	1.19299
METTL21A	0.609384	0.737289	0.554538	0.809407	0.557433	0.703374	0.688044	0.643866	0.305111	0.671359	1.27647	0.387583	0.747026	0.824537	0.952944
METTL21C	0.189009	0.0708301	0.104241	0	0	0.0357641	0	0.186639	0.0255768	0.0790751	0	0	0	0.0658561	0.06032
METTL21EP	0.13013	0.106105	0.0414048	0.0206311	0	0.0511402	0.12572	0.0800643	0.012191	0	0	0.0143248	0	0.0156949	0
METTL22	2.50234	2.50193	2.27353	3.04082	3.10061	4.06437	2.87361	2.14674	2.25485	2.3419	3.59227	2.15273	2.07179	2.6837	2.94973
METTL23	4.07683	3.69996	3.72154	4.88944	3.33014	5.11728	3.27039	2.65489	3.25301	2.97747	8.05392	2.84164	4.2063	3.10425	3.33121
METTL24	0.564639	0.365032	0.437545	0.41247	0.210943	0.70596	0.285621	0.355709	0.00870464	0.125589	0.266259	0.097168	0.133731	0.0896522	0.492694
METTL25	1.69905	1.21499	1.29763	1.96011	0.80441	0.847724	0.959217	0.985856	1.01634	1.17133	2.59623	0.802101	1.17971	1.01786	1.38131
METTL26	6.12047	4.93026	4.39082	9.60882	11.7726	10.2195	6.44221	3.93079	6.98817	5.67135	14.7361	5.33735	5.01325	4.98568	5.39061
METTL27	0.522585	0.335719	0.226453	0.0512894	1.15965	1.05946	0.39778	0.442314	0.151536	0.249866	0.337105	0.160253	0.385336	0.351162	0.679022
METTL2A	2.31729	2.67548	2.66157	3.22751	1.78429	3.13893	2.56405	1.96208	2.71624	2.50517	3.66546	1.92186	4.10342	2.6433	2.0573
METTL2B	3.09536	3.2583	3.8854	5.08372	3.01454	3.39349	3.96685	2.91921	4.0592	4.53606	6.7838	3.28343	6.61563	3.96077	3.21513
METTL3	6.21263	7.85276	7.19649	8.01029	7.37438	6.88545	5.88638	4.34208	3.04677	4.30365	8.60227	4.65989	5.53729	5.72573	4.69187
METTL4	0.947818	0.904271	0.581585	1.05438	0.351009	0.844466	0.530343	0.898125	0.634502	1.05568	1.82107	0.628783	0.919313	1.07275	0.58594
METTL5	4.08715	3.65738	3.88494	8.51853	2.10024	8.74485	2.5472	2.92393	6.50437	7.9621	12.2293	3.95767	6.69735	6.0089	2.91263
METTL6	1.21837	1.48211	1.07279	1.97659	1.32104	1.96187	0.991674	1.03454	1.21939	1.58218	2.63503	0.97104	1.70448	1.41856	1.15206
METTL7A	13.2646	7.87784	6.31973	6.85236	16.7551	18.5841	8.6599	10.1746	18.3248	3.69298	8.26155	5.76895	3.07445	2.7331	6.11784
METTL7B	0.0768872	0.0148182	0.0254426	0.364479	0.143319	0.0785621	0.0526724	0.0409986	0	0.0386005	0.22567	0	0.20835	0.0241108	0.0883358
METTL8	3.68464	3.69031	3.19842	2.97898	1.64867	2.54498	3.04653	3.3081	2.12407	1.80879	2.15333	2.61205	2.12341	1.88547	1.23661
METTL9	9.4348	7.73789	7.61009	15.4567	9.20275	14.2713	7.50102	8.28625	27.163	16.9701	29.9011	11.1837	17.6172	9.84024	6.44602

MEX3A	0.306105	0.336851	0.246979	0.514067	0.55767	0.978221	0.181223	0.238455	0.16569	0.30356	0.639916	0.216322	0.336477	0.600433	0.45046
MEX3B	0.517932	0.499095	0.488131	0.351325	1.2628	1.36211	0.591358	0.471948	0.343338	0.748801	1.87986	0.17357	0.562585	0.911451	0.875632
MEX3C	4.19056	3.86047	4.31723	5.79254	4.01846	6.3181	3.51512	3.80367	4.43675	5.51204	7.29777	2.96247	7.20273	4.86509	4.58986
MEX3D	5.43251	5.3563	5.67649	9.86614	14.2788	11.7475	5.85962	3.07432	9.80069	7.75603	8.29603	4.56693	11.0705	5.89083	5.64436
MFAP1	3.65712	4.21056	4.5567	7.76875	4.11246	9.57121	2.03656	2.62205	6.50333	5.77277	4.74896	4.17398	7.28856	5.20643	3.93101
MFAP1	3.65712	4.21056	4.5567	7.76875	4.11246	9.57121	2.03656	2.62205	6.50333	5.77277	4.74896	4.17398	7.28856	5.20643	3.93101
MFAP2	4.04116	2.98238	3.34313	6.17572	17.4847	18.3968	6.1446	5.22075	1.99268	21.3027	51.5163	3.80839	9.45	12.8064	30.6884
MFAP3	3.26841	2.73241	2.66448	5.74159	1.31128	5.19011	2.54553	3.13941	4.60795	6.27014	9.00656	3.27101	8.79828	4.87127	5.69486
MFAP3L	3.37104	3.91443	4.0425	1.52253	2.00869	2.14537	3.40637	4.45293	18.9915	2.14542	3.56517	2.95994	0.621132	0.582857	0.396975
MFAP4	32.573	22.4543	31.9553	7.49174	30.9993	53.6107	61.7943	22.0032	2.14544	9.02073	29.0767	4.13778	5.60787	6.4362	36.1339
MFAP5	11.8514	6.50014	9.12747	0.575572	1.27552	2.78889	18.5372	6.78431	0.159559	3.40418	6.7946	0.95889	0.924846	1.66609	12.5831
MFF	5.54585	5.15431	5.26481	9.83757	2.99707	9.4014	4.68273	5.09029	7.86147	7.54382	11.2896	4.92231	7.4105	6.37249	5.44026
MFGE8	17.5729	11.3587	12.3487	12.7252	22.442	36.6536	17.306	8.239	18.4012	34.5334	35.6378	34.4568	48.5488	28.9813	30.6205
MFHAS1	4.41722	3.91282	3.63602	5.49607	10.6992	5.03244	3.46453	3.93348	4.89159	4.98579	3.15198	4.75199	7.28546	5.18809	3.51021
MFN1	6.48243	7.89403	7.66259	9.92545	4.0728	7.52788	5.86698	7.27741	15.8138	13.1881	11.9584	11.2141	15.1911	11.4242	7.53092
MFN2	14.8845	16.7497	17.7003	22.4425	21.7376	30.8141	15.6556	11.8118	15.8254	14.092	9.78087	12.1303	21.9374	14.085	9.2595
MFNG	2.04777	0.657765	0.959071	2.27777	3.71945	5.09255	1.80613	0.828097	0.329888	1.56386	4.59889	0.806267	2.1461	1.88568	2.17841
MFRP	0.0225653	0.00869787	0.0149341	0.00465087	0.0140209	0.0192147	0.0309175	2.30E-23	3.18E-23	0.0169932	0.0152847	2.21E-23	9.23E-23	0.00707623	0.00648132
MFSD1	9.2815	8.49535	8.8643	17.4028	6.82543	13.2141	7.82308	8.46362	21.2472	19.4423	24.1188	14.4347	18.7875	5.99913	11.2169
MFSD10	4.06415	3.56822	4.04392	8.37647	13.6432	8.47833	4.11184	2.50824	2.77731	7.73639	12.1835	6.2037	17.5106	11.1222	7.9281
MFSD11	3.28148	3.42897	3.49473	2.69732	2.62263	3.22785	3.88279	2.89649	4.82642	4.43655	4.96615	3.50771	4.40797	3.06316	2.94682
MFSD12	3.17608	3.88574	4.39405	8.76907	9.69868	15.2015	6.21305	3.02493	9.22794	10.0541	13.3261	7.50796	15.6453	11.5911	7.75258
MFSD13A	0.930948	1.62106	2.48609	0.757397	1.97885	1.00129	1.81816	1.03056	0.517168	0.799456	1.27217	0.496667	0.574299	0.836532	0.621569
MFSD13B	0.195182	0.188084	0.322937	0	0.0433122	0.0474843	0.127345	0.223022	0	0.0699925	0	0.0598535	0.0179901	0.0582919	0.120131
MFSD14A	7.97764	6.59653	7.52899	9.88532	3.0128	9.91652	7.18468	8.01802	7.77056	7.55638	12.7111	5.31887	11.3078	7.43073	6.61702
MFSD14B	10.1745	8.57875	9.15334	16.3871	8.04165	12.7225	9.61769	8.40195	20.328	15.4623	19.9905	9.1928	19.6826	10.1737	9.18128

MFSD14C	2.7746	3.0714	3.26296	1.81614	3.38828	1.01126	2.07196	2.36268	1.85192	2.48605	1.48907	1.35104	0.932264	2.05417	1.54737
MFSD2A	8.5754	15.6452	20.0451	5.77648	2.8103	9.11834	16.0359	7.36085	8.8263	4.43644	6.10346	6.51006	10.3706	8.37345	2.23778
MFSD2B	0.170888	0.0666531	0.14137	0.150947	0.214886	0.110864	0.0836202	0.108479	0.366691	0.0919206	0.101048	0.122275	0.0525027	0.0595422	0.128551
MFSD3	1.96593	2.99487	2.37974	3.44113	15.3363	3.88951	2.97084	1.90132	3.8203	2.48559	4.21012	3.88904	2.86325	2.85579	0.934188
MFSD4A	3.48314	1.80049	2.35009	0.350043	0.90438	2.1574	2.50383	1.92783	0.11721	0.0852649	0.198115	0.251147	0.11323	0.248539	1.05693
MFSD4B	2.06991	3.33076	3.61281	2.60179	3.18646	2.13023	3.02421	2.80647	2.99466	2.55097	3.24737	3.46335	2.66394	3.11135	1.99509
MFSD5	6.23485	7.94038	7.27457	8.12568	15.3465	9.61289	12.5322	5.71733	27.7403	8.27105	14.7251	9.56515	13.2676	5.99874	3.95956
MFSD6	10.7441	11.5435	12.3247	8.31777	6.89456	7.32865	11.5512	10.093	30.1892	11.9046	8.13124	13.5735	18.7542	7.17615	5.14793
MFSD6L	0.144644	0.104538	0.136754	0.0425885	0.160487	0.0615813	0.259521	0.211185	0.0251657	0.0389021	0.0933058	0.110889	0.133319	0.0701975	0.044513
MFSD8	1.63796	2.18304	2.31398	1.45944	0.414918	1.3904	1.30049	1.9215	1.60815	1.61934	1.93439	1.3451	1.22588	1.45663	1.38967
MFSD9	1.08098	0.850627	0.880456	1.22151	1.05027	2.01858	1.15798	0.693624	2.23147	1.43532	1.48414	1.17962	2.30506	1.11903	1.11487
MGA	4.32042	4.66775	4.68861	4.43834	2.63601	4.05681	3.34194	3.76096	2.86487	2.97896	3.54935	2.90016	3.1359	4.01493	3.54108
MGAM	0.0321233	0.0361142	0.0265747	0.70254	0.0277214	0.0547051	0.0244516	0.0222044	0.0173878	0.676447	0.922697	0.025539	0.241659	0.16789	0.363939
MGAM2	0.0293992	0.0325795	0.0608027	0.0818012	0.0182668	0.127668	0.0738475	0.0156765	0.00358049	0.0036899	0.0232316	0	0.0077045	0	0
MGARP	0.0691353	0.0166552	0.0428952	0.106869	0	0.103019	0.0592024	0.0614417	0	0.130158	0.0780452	0.0247341	0.0334543	0.00903329	0.0248218
MGAT1	9.00411	5.78934	6.40503	10.4536	16.3077	21.8739	8.45249	5.26132	7.04296	9.80832	15.0575	5.00252	13.7562	9.50952	11.7048
MGAT2	3.57689	3.08073	3.72883	5.67428	6.78936	6.5929	2.63168	2.70087	2.36007	6.20367	12.8653	2.02183	7.24833	4.42597	4.40127
MGAT3	1.51058	0.729965	0.966651	0.631838	1.63562	2.29632	0.847149	0.529096	0.17315	0.167289	0.300929	0.146235	0.450046	0.445834	1.21231
MGAT3-AS1	0.139416	0.111955	0	0.0478907	0.288748	0	0.10612	0.206502	0.0565977	0	0	0.033252	0	0.0485766	0.0667396
MGAT4A	2.2214	1.1163	1.39111	1.54075	0.423973	1.87417	1.05048	1.50449	0.279632	1.2646	1.942	0.531753	1.24899	0.92559	1.94422
MGAT4B	6.7236	7.57252	7.67754	13.7826	17.9479	16.4241	8.69823	4.74251	11.2603	12.1466	16.8423	9.04827	17.9937	11.0179	7.78129
MGAT4C	0.00955732	0.00230243	0.00395324	0.00246227	0	0.00406897	0.0163684	0.00637031	0	0.00899656	0	0.00683852	0.00770792	0.00249754	0
MGAT4D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MGAT4EP	0.00824476	0.043697	0.0477445	0	0.012807	0.00702031	0.0094136	0.00732726	0.0301236	0.0517401	0	0.0235974	0.0159584	0	0
MGAT5	3.95804	3.35273	3.3637	4.84605	3.72953	6.2977	4.08769	2.98477	3.94149	3.84082	4.38474	2.20996	6.31736	4.25164	6.10455
MGAT5B	0.109264	0.0501379	0.0645646	0.0268093	0.088903	0.349994	0.0297032	0.0739842	0	0.0914246	0.211448	0.0148916	0.0402836	0.0734218	0.246583

MGC12916	0.380718	0.344637	0.22906	1.08191	0.286733	0.903765	0.15807	0.399869	0.0562027	0.550241	0.377688	0.354964	0.766687	0.633118	1.37518
MGC15885	0.19994	0.0674339	0.0909724	0.0309066	0.0310576	0.0170246	0.102728	0.0977295	0	0	0.0564268	0.0214594	0.00645001	0.0470238	0.129213
MGC16025	0.315538	0.660548	0.477064	0.336383	1.18309	0.45397	0.509348	0.319103	0.106011	1.39294	0.0736971	1.39358	0.0702011	1.06341	1.2657
MGC16275	0.633291	1.07693	0.893716	0.547053	0.679924	0.594749	0.840038	0.75318	0.362954	0.222089	0.431046	0.473128	0.252368	0.535418	0.227371
MGC27345	3.01505	2.63702	2.33415	1.49803	1.4285	1.41571	2.39834	2.54486	0.454031	0.83142	0.703243	1.15513	0.949888	1.92539	1.77038
MGC27382	0.0388632	0.00936245	0	0.0400497	0	0	0.0221864	0.0172692	0	0	0	0.0139038	0	0.0101558	0
MGC2889	0.25316	0.477741	0.270516	0.130444	0.0327704	0.0628724	0.590144	0.18749	0.0256934	0	0	0.0150952	0	0.011026	0.0454462
MGC32805	0.694328	0.366058	0.312519	0.485701	0.530149	0.352518	0.207577	0.380169	0.14672	0.104238	0.0758066	0.476783	0.0419432	0.161388	0.295674
MGC34796	0.0367934	0.100457	0.0608762	0.0252778	0.019051	0.0208861	0.084019	0.0544982	0.059747	0.0307863	0	0.0438778	0	0.0128199	0.0352267
MGC4859	0.0074224	0	0.00614033	0	0	0	0.0169493	0	0	0	0	0	0	0	0
MGC70870	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MGLL	8.48909	4.8485	5.22726	9.25927	10.9588	21.2749	10.3851	4.69603	8.24636	8.48038	10.8217	6.01223	12.7587	6.86886	8.13463
MGME1	4.12202	7.35498	7.28213	5.28007	4.62268	6.00282	4.00264	4.25389	4.117	3.68678	5.74046	3.39734	3.50461	3.82044	2.62793
MGMT	4.95923	3.42973	3.4049	5.33661	5.97406	9.65192	4.29486	3.02818	2.95826	2.37118	6.55045	3.00533	3.13437	2.14229	3.87596
MGP	36.4697	14.3867	20.1456	8.46397	4.18446	19.38	29.8689	10.8318	2.15803	11.9914	24.8007	1.97035	7.49295	3.99847	17.5895
MGRN1	2.93267	3.4429	3.78711	4.44852	6.66093	7.57957	4.56123	2.83198	4.25116	3.24089	4.84882	3.74644	5.6972	4.23375	5.40843
MGST1	4.32581	1.82371	0.943452	10.8408	1.28281	8.70612	0.774535	2.32413	13.6498	13.1538	14.4058	10.7137	16.1812	11.3042	3.88275
MGST2	9.9234	9.45386	8.82649	14.2489	4.41953	10.6063	8.71555	9.26624	8.49372	5.70487	13.0237	6.36809	4.10793	4.59703	3.8618
MGST3	11.9679	7.63212	8.86649	15.5855	3.59965	17.564	11.7846	6.13777	4.0106	13.9877	35.3505	3.81806	6.99374	8.47805	9.89646
MHENCN	2.33473	2.67166	2.82476	2.34586	2.62932	2.1868	1.79936	1.47838	1.49281	1.24539	1.21898	1.31557	0.753179	1.327	1.08972
MHRT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIA	3.61111	0.713957	1.12373	0.712699	1.84941	4.20842	1.09841	0.780338	0.0841362	9.31E-21	0.264484	0.0508366	0.141209	0.390225	0.272593
MIA-RAB4B	1.18072	0.0480684	0.0461492	0.0791772	2.29769	0.432412	0.481303	0.226723	1.55E-06	0.17349	0.319291	0.250316	0.0354203	0.106265	0.969001
MIA2	1.65745	1.34749	1.33977	2.06916	0.884628	1.76052	0.615884	1.2693	1.94734	2.06702	2.40902	1.61447	1.60818	1.56161	1.86207
MIA3	5.29795	3.87077	4.0325	3.23606	2.31876	6.68567	2.7177	4.14875	2.93856	2.99087	4.10867	2.20612	3.40769	3.14338	4.59158
MIAT	0.860373	0.675842	0.70158	0.653768	1.36992	0.25707	0.663439	0.875782	0.0956584	0.251044	0.0855802	0.625021	0.16054	0.727669	1.33516

MIATNB	2.22171	2.79011	2.46872	0.905903	1.83791	0.681549	2.45633	1.96193	0.426364	0.552617	0.646875	0.814098	0.386414	0.88056	1.32338
MIB1	4.64941	4.13882	4.43668	4.72903	2.94597	5.96927	3.43316	4.49319	3.15236	6.69472	6.42286	3.1208	6.43033	5.03065	5.62103
MIB2	3.21785	5.4162	5.87554	7.43155	16.7744	9.79886	5.10628	2.90823	6.07404	4.93622	5.43857	6.09221	5.47381	5.27339	3.84668
MICA	0.555472	0.320575	0.310491	0.40742	0.401295	0.522624	0.495426	0.377342	0.148035	0.374356	0.392379	0.253638	0.357346	0.299331	0.476635
MICA-AS1	0.13038	0.068811	0.0426368	0.0268649	0.0206347	0.0315975	0.0871554	0.115507	0.0175636	0.0463997	0.0288925	0.0477444	0.041408	0.0299463	0.0645454
MICAL1	2.68935	2.91539	3.34541	4.89844	11.5392	7.2531	4.64661	2.4886	6.104	7.30591	4.33991	5.60716	6.52566	5.17059	8.28409
MICAL2	4.66525	6.46741	8.46426	5.38879	4.98918	5.77915	9.48508	4.84097	11.4661	9.49617	8.82669	7.83463	10.9803	8.97519	13.1327
MICAL3	1.96769	2.8851	2.94252	3.39243	4.60348	3.55014	3.04157	1.85562	0.803237	1.62641	0.912407	2.2702	3.28131	2.85394	2.42059
MICALCL	2.50672	4.32509	5.85021	2.42525	3.00668	1.27936	5.18589	3.856	11.0493	4.20935	1.62258	5.3507	4.23619	2.06734	1.18347
MICALL1	10.6113	16.7322	16.1385	34.5461	43.179	33.0377	17.424	10.5561	62.0272	20.9047	16.0648	27.3719	40.4703	22.1918	10.0264
MICALL2	1.96406	2.54749	2.73067	3.23997	5.92772	5.80561	3.22306	2.05079	2.38291	3.5055	2.46166	4.36563	2.82832	3.80158	6.72449
MICB	0.0386786	0.021324	0.0325183	0.109953	0.0613256	0.228695	0.0608043	0.0353564	0.00274106	0.0617966	0.141622	0.0173961	0.105489	0.0955959	0.0686686
MICB-DT	0.0566782	0.076303	0.0717114	0.034358	0.0233049	0.0241304	0.03997	0.0637044	0.00406045	0.00418453	0.035755	0.00238558	0.00215109	0.0270088	0.0359105
MICU1	4.73026	5.14773	5.50276	5.79813	5.25986	8.90659	6.57158	3.93588	11.4484	6.69398	8.61776	4.45122	7.02116	4.37261	5.22179
MICU2	4.54959	4.12454	4.21935	6.04568	1.525	5.46426	2.44692	4.21354	7.42188	6.74706	6.83888	4.38616	8.85247	3.87334	3.64517
MICU3	0.670894	0.216388	0.330254	0.114277	0.473695	0.37769	0.493788	0.571597	0.0945373	0.438418	0.532026	0.0674439	0.196753	0.376719	0.621091
MID1	1.39174	0.854445	0.991377	1.05666	0.699538	1.74832	1.19105	1.29113	0.529875	1.37954	1.26377	1.33808	1.43473	1.63163	1.26061
MID1IP1	2.86227	2.41996	2.67453	6.78393	5.06969	6.38635	2.76923	1.57986	5.43896	6.13259	5.01164	3.84467	9.91111	4.37244	2.97835
MID1IP1-AS1	0.104035	0.0640843	0.152287	0.375077	0.387631	0.53826	0.286356	0.219139	0.161986	0.137851	0.424576	0.111607	0.429074	0.269063	0
MID2	3.72429	3.50991	3.88388	2.53595	2.01158	3.19807	4.27028	3.62909	10.7754	4.24728	4.99035	3.77184	3.952	2.6332	1.67426
MIDN	8.34687	12.8293	13.891	26.1132	25.2772	38.4093	13.9539	11.0457	27.3162	18.9077	21.3661	37.1573	42.0121	22.45	21.1791
MIEF1	4.35125	3.26347	3.40371	4.8187	3.51896	6.45372	3.62467	3.16084	3.26614	3.09263	3.27757	2.32073	6.73378	3.99725	3.60454
MIEF2	1.78495	2.47043	2.81573	2.00174	3.96867	2.80877	2.42761	1.23639	2.99439	1.99869	1.58038	1.21457	2.5065	1.0152	1.10578
MIEN1	5.19825	4.67538	4.70899	9.31273	8.70615	10.3785	6.23586	3.05055	18.597	7.88271	16.0755	6.45368	10.0688	5.60863	4.64134
MIER1	3.5364	2.6915	3.08577	3.17155	0.874663	2.89197	1.8607	3.5718	2.27502	3.66451	3.51794	1.94417	3.92519	3.03945	3.20041
MIER2	2.69947	3.64419	4.00339	5.07185	8.74439	7.31619	4.21917	2.85254	4.59069	3.5224	4.45956	3.26242	5.74544	4.29711	4.23137

MIER3	2.0741	1.89619	1.96148	2.04608	0.901827	1.82267	1.45731	2.36713	3.11975	2.52533	2.96177	1.30015	2.84223	2.14949	1.83302
MIF	84.9798	56.0937	62.9126	222.168	95.2284	260.478	96.634	67.1902	126.99	143.811	354.463	119.405	164.199	154.749	55.5136
MIF-AS1	0.612599	2.59374	2.37162	1.06483	3.96744	1.96733	1.80074	0.425109	0.647965	0.668827	1.19622	0.860216	0.593127	0.991729	0.424283
MIF4GD	4.40248	3.57369	4.16505	3.34713	4.57242	6.15838	4.65034	2.97457	3.49488	4.12749	7.57965	2.86944	3.95727	2.53954	2.27595
MIG7	0.34499	0.159295	0.21405	0	0.0446573	0.0122398	0.180537	0.217174	0.0175066	0	0.0324542	0.0308562	0.0649208	0.0225383	0.16515
MIGA1	2.15838	1.69605	1.92921	1.71205	0.671601	1.6784	1.4071	1.9787	0.883133	1.73478	2.34815	1.16437	1.64298	1.35226	1.74542
MIGA2	1.76114	2.45536	2.34816	1.98384	6.46083	3.32222	2.20333	1.31956	5.48197	1.56375	1.19498	2.42979	1.35688	2.07101	2.1727
MIIIP	1.58056	2.16698	2.38124	3.48275	9.06214	5.70063	2.90502	1.35899	2.05015	2.80631	5.49784	2.28026	4.55166	2.67298	2.34371
MILR1	0.220061	0.194386	0.212391	0.415761	0.455774	1.03058	0.251258	0.358548	0.268009	1.15083	1.53193	0.209946	0.331291	0.498391	0.737415
MIMT1	0	0	0	0	0.0278676	0.015276	0	0	0	0	0	0	0	0	0
MINCR	0.826537	1.25371	0.785069	0.504753	0.475518	0.755918	1.32819	0.952205	0.223696	0.192109	0.276462	0.394273	0.0592531	0.255991	0.351707
MINDY1	2.69822	4.08626	3.82012	2.86146	5.73837	5.48933	4.63144	2.90757	8.18223	4.85631	4.90622	4.35365	3.85172	3.17059	2.59198
MINDY2	1.92879	2.31973	2.44457	2.39284	1.78228	1.68235	1.8352	2.03501	2.58095	3.32709	2.74125	2.05955	3.89454	2.68045	2.59243
MINDY3	4.35804	3.80844	3.92504	4.38153	2.79188	4.59941	3.6078	4.03624	5.00161	3.5778	4.8106	2.68963	4.03376	3.25747	4.20485
MINDY4	1.71024	1.04187	1.02916	1.39284	1.26249	1.90498	1.50703	0.761626	0.412482	0.786174	1.11767	0.830036	1.01756	1.53075	1.72881
MINDY4B	0	0.013615	0	0	0	0	0	0	0	0	0	0	0	0	0
MINK1	15.7325	27.6208	26.4248	52.2688	53.0675	55.5812	26.4655	20.19	40.7315	36.0812	13.4165	49.3777	57.6429	33.6861	17.9232
MINOS1	3.16542	2.36809	2.30226	5.09479	2.03394	5.15763	1.78527	1.82294	3.53074	4.84622	7.47638	3.04147	3.77058	3.20869	2.45127
MINOS1-NBL1	2.98532	3.38494	4.19042	5.70297	9.46583	6.83585	3.19075	2.92102	2.88014	4.76022	4.72937	2.61344	5.84271	4.66185	5.95387
MINOS1P1	2.56919	1.4923	1.71378	0.575571	0.69406	0.795503	1.60005	1.79594	0.222616	0.790219	0.1261	0.61762	0.0458633	0.918181	1.02086
MINPP1	1.19814	1.77236	1.76791	1.37913	1.58903	1.68841	1.576	1.44465	6.18665	1.70606	2.72884	1.13806	1.41497	1.15719	1.54962
MIOS	6.48395	6.46289	6.72371	7.53598	2.53148	5.18298	4.66773	6.42467	8.87216	6.77441	6.38399	5.53145	8.71283	5.60189	2.74052
MIOX	0	0.00775969	0.0266466	0	0.0250168	0.0274266	0	0	0	0	0	0	0	0	0
MIP	0.00887387	0.00427557	0.0220233	0.00914478	0	0.0680038	0	0	0.0540369	0	0.0100175	0	0.0286269	0.00463787	0.025488
MIPPEP	4.40185	5.596	6.0692	5.01735	3.72959	6.11706	5.10204	5.14825	5.92954	2.9896	3.65694	3.29281	3.49166	2.72885	2.14825
MIPPEP3	0.332515	0.277699	0.559329	0.9252	0.585379	0.528514	0.379655	0.354614	0.283476	0.20867	0.27527	0.475847	0.69367	0.243302	0.445698

MIR1470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR1471	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR147A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR147B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR148A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR148B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR151B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR153-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR153-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR1537	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR1538	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR1539	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR155HG	0.219812	0.128603	0.194833	0.161802	0.0731665	0.213905	0.0896336	0.334887	0.0191219	0.0788247	0.354486	0.101109	0.151952	0.26259	0.405871
MIR15A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR15B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR16-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR16-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR17HG	0.507321	0.675529	0.797414	0.66064	0.114625	0.396633	0.437065	0.950914	0.258378	0.31837	0.505019	0.320101	0.488006	0.88704	0.291431
MIR181A1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR181A1HG	0.536428	0.166152	0.31698	0.19743	0.178555	0.228381	0.0874966	0.238366	0.0933299	0.625182	1.29763	0.164498	0.296658	0.320412	0.605298

MIR2115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2117HG	0	0.0443367	0.0380628	0.331903	0.428817	0.626831	3.83489	0.0408899	0.168105	0.173242	0.103879	0.329214	0.0593709	0.0721406	0
MIR212	0	0	0	0	0	0	0	0	0	0	0	0.150541	0	0.439839	0
MIR214	2.34E-38	0	0.00048437	0	6.80E-14	2.09E-43	9.00E-06	6.45E-44	0	0	0	0	0	0	0
			1												
MIR215	0	0.10137	0	0.433629	0	0	0.240218	0.186978	0	0	0	0	0	0	0
MIR216A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR216B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR217HG	0	0	0	0.0348169	0	0	0	0	0	0	0	0	0	0	0
MIR218-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR218-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR219A1	0	0.016895	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR219A2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR219B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2276	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2277	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2278	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR22HG	5.49617	4.62407	4.19707	7.08428	5.71351	8.63258	4.81753	3.22379	7.91917	8.89346	10.4045	7.72006	13.1314	11.3399	9.16822

MIR2355	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR23A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR23B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR23C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR24-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR24-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2467	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2681	0.22041	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR26A1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR26A2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR26B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR27A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR27B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2861	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR2909	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR298	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR299	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR29A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR29B1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR29B2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR29B2CHG	1.69465	2.82062	2.59223	0.854239	1.73642	1.34976	2.27706	1.41686	0.371367	0.465555	0.642155	0.751062	0.191641	1.10746	0.839788

MIR376C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR377	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR378A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR378B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR378C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR378D1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR378D2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR378E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR378F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR378G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR378H	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR378I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR378J	0	0.306899	0.351295	0	0	0	0.484844	0.188694	0.258584	0	0.239685	0	0	0.221937	0
MIR379	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR380	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR381	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR381HG	0.0544542	0.0262369	0.0900968	0	0.67669	0.231835	0.124348	0	0	0	0.0614721	0	0	0.256141	0.625625
MIR382	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR383	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR384	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR3907	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR3908	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR3909	0	0	0	0.400833	0	0	0.22205	0	0	0.244092	0	1.11324	0	0	0
MIR3910-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR3910-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR3911	0	0.1023	0	0	0.989426	0	0.242422	0	0	0	0	0.151922	0	0.110969	0

MIR4674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4675	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4676	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4677	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4678	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4679-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4679-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4681	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4682	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4683	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4685	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4686	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4687	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4688	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4689	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4690	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4691	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4692	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4693	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4694	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4696	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4697	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4697HG	0.427444	0.752345	0.941763	0.0629277	0.379411	0.32311	0.771903	0.589197	0.0212481	0.12591	0.0246189	0.259034	0.042212	0.107141	0.457266

MIR4800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4801	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4802	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4803	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4804	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR485	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR486-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR486-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR487A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR487B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR488	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR489	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR490	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR491	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR493	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR494	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR495	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR496	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR497	0.206634	0	0	0.212943	0	0	0	0	0	0	0	0	0	0	0
MIR497HG	0.886568	0.955098	1.13332	0.908783	3.10083	1.70446	1.44966	0.813516	0.37189	0.3855	1.09522	0.220941	0.53079	0.699907	1.86397
MIR498	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR4999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR499A	0	0.182798	0.313862	0	0.883996	0.161525	0	0	0	0	0	0.271467	0	0.099144	0

MIR5739	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR577	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR578	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR5787	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR579	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR580	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR581	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR583	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR585	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR586	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR587	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR588	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR589	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR590	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR593	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR595	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR596	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR598	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR599	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR600HG	1.45031	1.569	1.67012	0.553993	1.94044	0.773882	1.60734	1.14455	0.494567	0.456285	0.227027	0.835722	0.583896	0.911615	0.844239

MIR6784	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6785	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6786	0.819223	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6787	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6788	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6789	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6790	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6791	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6792	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6793	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6794	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6795	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6796	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6797	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6798	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6799	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6801	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6802	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6803	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6804	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6805	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6806	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6807	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6808	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR6809	0	0.28838	0.495144	0.2056	0	0.509638	1.13896	0.531921	0	0	0	0.428262	0	0.208544	0.28652

MIR7114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR718	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR744	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7515	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR7515HG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR758	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR759	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR760	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR761	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR762	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR762HG	0.749394	0.877895	0.86307	0.454278	0.79887	0.975916	1.00663	0.561529	0.536869	0.516389	0.630333	0.410044	0.407661	0.453104	0.654176
MIR764	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIR765	0.203009	0.0978129	0	0	0.315343	0	0	0.180418	0	0	0	0	0	0	0

MKS1	1.52041	2.15819	2.19926	2.56134	1.76776	2.91481	1.97504	1.35122	1.27512	1.06269	1.57247	1.33544	1.32753	1.15626	0.954466
MKX	0.419742	0.171596	0.205187	0.124524	0.266729	0.666073	0.246885	0.2826	0.162654	0.0798211	0.21538	0.0591572	0.3775	0.20608	2.3016
MKX-AS1	0	0	0	0	0	0.17776	0	0	0	0	0	0	0	0	0
MLANA	1.68562	3.42422	3.49243	1.70578	1.10867	3.82741	2.35805	3.73834	1.62752	0.457432	0.171428	0.847532	0.39191	0.523824	0.283512
MLC1	0.155248	0.0587721	0.123845	0.0228554	0.0258379	0.132192	0.0379837	0.0788409	0.00675267	0.027836	0.0625913	0.00396729	0.0178867	0.00579567	0.0318508
MLEC	7.23932	7.17849	6.4959	13.2761	10.8523	17.7943	9.59164	6.31333	6.96835	9.00559	11.5305	5.88357	10.5528	9.14998	12.4126
MLF1	0.719382	0.659403	0.733018	0.80463	0.218039	1.15039	0.580967	0.693904	0.331219	0.946943	1.96091	0.71561	1.29054	0.742791	1.02052
MLF2	20.2788	19.0021	19.7827	45.1075	39.4639	65.7172	23.8956	15.2734	49.8491	38.0797	55.2401	28.7787	52.8059	31.4057	20.481
MLH1	3.55427	3.14605	3.35866	5.2185	2.49299	6.14642	2.91182	2.57258	2.40086	3.61477	4.56661	2.5222	4.07574	3.53138	3.87301
MLH3	2.6291	2.80601	3.23942	2.14453	1.01073	2.26861	1.66321	2.74548	1.12086	1.43469	1.72054	1.58968	1.42018	1.65134	2.19303
MLIP	0.242485	0.130578	0.1239	0.301335	0.0997049	0.0850182	0.105859	0.155287	0.529838	0.353575	0.309965	0.408246	0.131142	0.264649	0.102423
MLIP-AS1	0	0.0173147	0.0891874	0.0370335	0	0.0611988	0	0	0.087533	0	0	0.0514269	0	0.150256	0
MLIP-IT1	0.395915	0.711007	0.565732	0.927278	0.167725	0.398411	0.616423	0.7357	1.53421	0.858307	0.853247	1.08165	0.208998	0.470279	0
MLKL	1.34187	1.30104	1.01415	3.92655	1.94285	2.52496	0.737678	1.01587	0.807033	1.51784	2.06649	1.215	3.16379	2.81825	3.62817
MLLT1	6.27251	7.66067	8.66544	9.34396	14.6191	17.9301	9.0563	5.41469	6.56309	4.96473	5.67747	5.20125	9.68826	7.22781	7.23748
MLLT10	4.43264	4.80423	4.67446	3.79672	2.1877	3.26746	3.3637	3.82452	1.96799	2.69846	3.07994	2.66782	2.19269	3.28571	2.68217
MLLT10P1	0.833984	0.442009	0.344965	0.257833	0	0.0355063	0.333275	1.0747	0.0507849	0.104674	0.188293	0.0895107	0	0	1.07794
MLLT11	0.482594	0.366866	0.434723	0.408913	0.566391	0.913161	0.306117	0.428889	1.29304	1.23833	2.53024	0.621556	0.844151	0.700624	1.0935
MLLT3	1.08975	0.857006	0.854932	0.481292	0.499079	0.848935	0.574845	0.93904	0.637373	0.440671	0.751576	0.369726	0.320562	0.463948	0.713533
MLLT6	10.7538	12.0442	13.1211	9.83875	17.8404	23.839	12.5355	8.76455	2.92379	3.41592	3.70635	3.74465	5.99859	6.19616	10.7863
MLN	0	0	0	0	0	0	0	0.0359574	0	0	0	0	0	0	0
MLNR	0	0	0	0	0.0290147	0.0159048	0.0213269	0	0	0	0.0632582	0.0267304	0.024103	0	0
MLPH	2.38444	1.18265	1.41918	0.794986	2.61449	2.21865	1.34892	1.25611	0.492756	0.494271	0.590719	0.386002	0.772693	0.459575	0.98392
MLST8	2.97852	2.8218	3.08684	5.6422	5.86081	6.67325	4.32362	2.69934	3.95359	3.3403	6.69349	3.0466	4.3413	2.85855	2.30165
MLX	5.03195	5.50267	5.18476	10.6317	4.56957	10.1159	6.24957	4.57613	12.3904	10.2682	13.5496	6.28082	12.4055	8.36634	4.5602
MLXIP	3.68665	5.76668	6.74335	8.19343	8.28611	14.2325	6.73386	4.35483	4.09681	5.14987	4.1976	4.86106	10.0715	6.54979	8.57648

MLXPL	0.423219	0.139341	0.268423	0.043614	0.0328703	0.468475	0.700667	0.307166	0.00859056	0	0.0159254	0.0100942	0	0.0184327	0.0101299
MLYCD	1.85566	1.50369	1.96253	1.73847	2.81697	2.89081	1.70943	1.33057	1.01443	1.08512	2.0472	0.927934	1.26529	1.21231	1.33248
MMAA	0.700951	0.853703	0.869814	0.987212	0.429478	1.00138	0.533548	0.830595	0.829966	0.591398	1.04186	0.518267	0.510037	0.586156	0.559252
MMAB	1.50087	1.95566	1.91682	3.10467	2.05059	4.23505	2.06389	1.21215	2.04138	2.00063	3.07943	1.63831	1.87311	1.8952	0.786659
MMACHC	0.877537	1.36068	1.20773	2.21971	1.84641	1.71859	1.14768	1.21945	0.485792	0.77098	1.58501	0.593652	1.07575	1.19663	0.962377
MMADHC	16.54	14.6736	15.042	28.5133	6.87962	19.5407	13.1467	14.3984	42.6413	35.677	51.5604	22.1821	39.9945	22.474	10.94
MMD	0.773418	0.888614	1.36402	1.39261	0.620496	1.67172	0.650168	1.16321	0.900533	1.8561	3.55953	1.14937	2.25375	2.10107	2.02616
MMD2	0	0	0	0	0	0	0.00924239	0	0	0	0	0	0	0	0
MME	1.22065	0.101183	0.0841504	6.9929	0.642223	19.4845	0.206057	0.973994	0.0359664	6.97651	12.4977	0.13148	5.36045	1.63264	6.14492
MMEL1	0.0173834	0.04231	0.0300892	0.0283959	0.0677034	0.0297301	0.010217	0.0157163	0	0	0.0205841	0	0.0056545	0.0561979	0.0366346
MMGT1	3.02366	2.27074	2.60044	3.57288	0.612926	3.4316	2.36397	3.74709	2.87256	2.20912	3.43837	2.18888	5.00011	2.53031	3.03713
MMP1	0.0337855	0.0108522	0.00931658	87.9437	3.16632	6.88511	0.0128584	0.0800686	0.548626	61.0027	90.3606	7.77605	343.335	34.962	28.4649
MMP10	0	0	0	0.338965	0	0.0896237	0.0150222	0.0116928	0.0160237	2.74121	3.37153	0.70606	12.504	3.89891	2.21072
MMP11	0.444476	0.418576	0.167137	0.655838	15.9426	5.2469	0.922706	1.28379	4.87189	25.1548	74.8226	0.26021	0.912462	5.09479	18.2214
MMP12	0.0738608	0.0771057	0.0407352	1.8014	0.0764876	0.0733734	0	0.0547011	0	7.35443	17.3986	0.193781	6.60016	4.88326	3.67721
MMP13	0	0.0451112	0.070414	0.596459	0.118993	0.304396	0.0194365	0.0605152	0	1.49561	2.921	0.0121806	0.576623	0.533824	5.29288
MMP14	23.2332	19.2515	21.058	70.5135	95.5543	128.572	31.8573	26.2217	16.1318	78.1373	111.379	15.6057	99.2668	65.8559	102.002
MMP15	1.84643	1.13108	0.869638	2.66056	4.53489	2.43484	1.75372	0.943913	2.42785	1.81842	1.93683	1.55501	3.28928	1.92436	1.95554
MMP16	0.288603	0.369636	0.401951	0.184472	0.192939	0.28307	0.392084	0.26298	0.160171	1.09127	1.71971	0.488812	0.32527	0.950844	1.08602
MMP17	0.499145	0.948108	0.833797	1.50358	4.44332	2.18229	1.53437	0.733644	0.80664	1.44572	1.40868	1.56597	1.80222	2.35289	2.93627
MMP19	1.28854	0.947375	1.47266	5.26	2.01006	6.22774	1.08977	1.16647	0.338534	4.10871	7.55925	1.06916	3.93413	3.93791	6.02252
MMP2	77.1465	32.7249	48.4245	145.808	120.692	537.899	87.584	98.3067	5.42661	128.233	326.399	12.1945	230.688	95.127	318.311
MMP2-AS1	0	0.0142228	0.0244204	0.0304204	0	0	0	0.0787026	0	0	0	0	0	0	0
MMP20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.016992
MMP21	0.0967317	0.145646	0.0600174	0.0498424	0.0563466	0.0205914	0.0552225	0.139696	0.014726	0	0	0	0.00780135	0.0252781	0
MMP23A	0.0448625	0.123846	0.020419	0.00924928	0.00928228	0.0168203	0.0243093	0.478432	0.0758156	0.206189	0.182522	0.00100739	2.01E-10	0.15645	1.23168

MMP23B	1.5022	1.02402	1.6068	0.525023	5.55275	1.48515	2.20199	0.24632	0.252897	0.260897	1.16598	0.452578	0.144501	0.18107	0.398041
MMP24	0.716172	0.954587	0.903279	0.525091	1.51255	0.625398	1.16226	0.880349	0.572754	0.85944	0.214979	1.18912	0.279825	0.769517	0.86713
MMP24-AS1-EDM2	1.05103	0.426069	0.436104	0.277986	0.655096	0.628706	0.791909	0.32478	0.737293	0.332752	0.534831	0.164199	0.258262	0.316127	0.812346
MMP24OS	9.54245	10.0107	10.9851	18.6969	26.3549	28.5622	12.7537	9.25588	38.0577	27.8455	43.2533	21.3761	43.3343	13.8948	9.93244
MMP25	0.280448	0.285401	0.342309	6.45682	1.9196	2.30169	0.448212	0.309566	0.00793738	1.82549	3.02115	0.182395	1.90593	0.477105	1.07628
MMP25-AS1	0.415258	0.648886	0.765418	0.669245	1.41991	0.928747	0.799462	0.734713	0.084352	0.184206	0.171622	0.32487	0.177092	0.392664	0.540105
MMP26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MMP27	0.646375	0.649948	1.04621	0.23169	0.0873082	0.323049	0.786142	0.586933	0.0342266	0.176363	0.475877	0.140761	0.0362642	0.088128	0.161439
MMP28	3.44356	6.30409	8.1029	2.24725	5.59995	1.40043	4.08265	3.56279	1.45757	2.83833	2.86785	1.1558	2.0607	1.88801	1.29698
MMP3	0.133564	0.0117006	0.0602694	60.8753	2.16902	1.64389	0.0277272	0.0539549	0.0443635	22.1128	29.7306	1.70286	76.163	11.461	4.02812
MMP7	28.2654	2.65634	3.33558	5.13031	0.766915	8.07508	1.40928	4.18665	0.0250539	4.93152	13.1673	0.0294391	2.53508	1.26869	1.00448
MMP8	0	0	0	0.0606281	0	0.0250474	0	0	0	0.286131	0.390182	0	0.0901506	0	0
MMP9	2.12013	0.63009	0.737176	13.0052	2.95227	6.175	0.991955	1.7169	0.120658	17.8647	46.9379	1.06872	9.7862	3.06985	4.33644
MMRN1	9.91113	2.39216	2.61233	4.77568	0.991152	11.3501	3.14812	3.71285	0.334665	5.84562	9.57431	0.849802	10.1599	5.18729	4.54834
MMRN2	9.06561	3.83696	4.33856	6.30624	8.22383	16.3344	5.83617	3.56328	2.1178	6.30427	5.29514	3.7446	12.0626	5.73375	10.7368
MMS19	4.8431	6.77855	7.47316	7.28522	8.68172	9.30952	7.58588	4.52686	4.88335	5.77133	5.75014	5.31269	6.39987	5.69294	5.08044
MMS22L	1.04764	0.908808	0.860395	1.14236	0.311451	1.04389	0.589346	0.919963	0.264583	0.65533	0.853046	0.497652	0.860658	0.883865	0.550531
MN1	0.771843	0.608004	0.552373	0.934288	2.04581	1.57523	2.03181	0.647842	1.60773	1.98362	1.58704	2.13897	3.397	1.92095	2.70958
MNAT1	3.36353	2.69293	2.5472	4.67334	1.6376	4.63085	1.87242	2.8405	1.85459	4.78864	8.34962	2.38274	5.096	4.39917	3.50869
MND1	0.439425	0.161312	0.138485	0.646915	0.0325038	0.890868	0.119457	0.20456	0.0764529	0.630313	1.01573	0.149724	0.837044	0.459325	0.450764
MNDA	0.969754	0.997626	1.74543	5.14535	0.386769	3.36988	0.448879	1.22288	0.383044	6.03636	11.8941	0.196913	4.51505	0.678064	4.32863
MNS1	1.16688	0.562219	0.454269	0.518726	0.106621	0.818242	0.182865	0.518511	0.111461	0.358958	0.594058	0.171898	0.250954	0.191329	0.575023
MNT	3.57518	3.84816	3.8908	5.81217	7.72885	8.60764	6.11757	3.45767	7.44515	4.36723	3.88485	6.68261	7.1976	4.64138	4.8667
MNX1	0	0.0127973	0.0219727	0.0273714	0.0137525	0.0226159	0.0202173	0.00786825	0.0215651	0.0111121	0	0.00633492	0	0	0
MNX1-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MNX1-AS2	0	0	0	0	0	0.0547389	0	0.0571323	0	0	0	0.0459985	0	0	0

MOAP1	3.63854	3.68614	3.91308	2.89116	3.00444	5.69085	3.19231	2.80816	4.73453	3.60533	4.72358	2.51441	3.42869	2.48717	2.97023
MOB1A	11.1821	10.7235	11.864	16.9145	5.30732	16.5189	10.5097	12.6484	20.7888	15.2961	22.3347	9.29637	24.9891	12.6421	14.3954
MOB1B	2.58171	2.05531	2.43188	2.02333	0.556045	2.21673	1.87947	3.13792	1.23522	1.80053	2.33277	1.20306	2.44256	1.79436	2.25107
MOB2	7.62206	8.9206	9.7856	9.25442	16.4895	11.5316	7.78418	6.05897	12.1898	8.78852	12.0282	6.37849	11.7157	5.90657	4.54515
MOB3A	5.06493	5.47658	6.32246	13.5537	10.8678	16.257	8.02001	5.98319	6.64237	8.92074	14.8942	5.90593	15.7521	9.08166	9.51891
MOB3B	3.43688	2.78724	2.26226	4.07179	2.26989	3.44893	2.20706	2.56268	1.16198	2.15014	2.97492	1.75112	4.15573	2.4395	2.00692
MOB3C	2.70584	2.78299	2.49502	4.05082	4.57644	6.55547	2.1511	1.94997	1.78462	3.88264	3.99982	2.92912	4.07685	3.85356	3.40714
MOB4	4.66517	3.48336	3.58316	5.17329	0.441568	3.46301	2.77725	4.82866	8.22249	6.71201	8.07267	4.19719	7.52145	4.71061	3.2453
MOBP	0.0263438	0.0114236	0.0196141	0.0108592	0.00409211	0.015702	0	0.0163885	0.00320838	0.00330642	0.0118956	0.00188497	0.0169969	0.0096379	0
MOCOS	1.36539	1.04744	1.54428	3.0481	2.28498	3.51085	1.87155	0.7118	2.0335	3.16774	4.95942	3.22566	3.13983	3.4469	2.35154
MOCS1	1.97405	0.857115	0.641667	1.38779	1.91116	7.38218	1.41958	1.04874	0.736764	1.14935	2.14792	1.31683	1.42177	1.79772	2.15958
MOCS2	2.32481	1.97624	1.82251	2.5213	0.593277	3.79884	1.85176	1.63321	1.71905	2.58442	3.48673	1.509	2.63922	1.94988	2.44046
MOCS3	1.03229	1.32389	1.4254	2.21365	1.56813	2.38489	1.20464	1.21422	2.35728	1.54333	2.2364	1.42295	3.06569	1.51145	1.29719
MOG	0.0043502	0.00052399 8	0.00359879	1.33E-34	0.0084467	0.00370414	0.00620864	0.00193305	0.00132451	0.00409496	0.00122771	0	0.00140336	0	0.00156186
MOGAT1	0	0.0203479	0.0174686	0	0	0.0179799	0.048219	0.0187661	0	0	0	0	0	0	0.0909754
MOGAT2	0.0673988	0.0527699	0.055757	0.0434102	0.0261734	0.0645628	0.0192384	0.0449238	0	0	0.0380424	0.0241128	0.016307	0.00880639	0
MOGAT3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOGS	5.26816	7.6611	7.69124	9.42447	15.2241	13.1579	6.60827	4.7174	7.76934	8.36788	6.78637	7.68193	10.3155	9.11238	8.30049
MOK	0.851363	0.952806	1.1679	0.40536	0.42687	0.885509	0.812099	0.651268	0.118124	0.392252	0.450127	0.47423	0.253788	0.439327	0.61907
MON1A	1.22461	1.24508	1.21913	2.82345	3.74001	3.11938	1.27973	0.691736	2.59105	1.82357	2.60084	1.95298	3.06001	2.83675	1.10291
MON1B	4.18494	4.2459	4.19949	6.96588	8.53237	10.7086	5.24199	3.17076	4.02302	4.26169	4.66529	4.15651	8.31576	5.18083	4.76801
MON2	5.77585	5.8777	6.65662	4.62569	3.41787	4.26421	4.98687	6.17147	3.6552	4.13692	4.03384	4.66483	3.57899	4.79095	4.49343
MORC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0176461
MORC1-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORC2	3.13926	3.77129	3.53918	3.43706	4.88053	4.89879	2.6844	2.89934	5.9599	2.6859	1.61018	3.92941	4.29777	3.59521	2.88683

MORC2-AS1	0.176283	0.175417	0.271178	0.0461173	0.0933831	0.0782747	0.220581	0.45443	0.0352145	0.107104	0.0611139	0.199604	0.0186552	0.232002	0.22948
MORC3	6.92361	6.93189	7.38943	9.66212	1.87547	5.69533	3.53175	6.40486	7.67745	9.233	9.62535	5.79893	12.536	6.99714	4.81822
MORC4	3.79683	5.82836	6.34193	5.28747	3.04733	5.57668	3.35641	2.9344	4.20508	4.129	3.31851	3.2825	5.00449	3.18322	2.70468
MORF4L1	31.1504	20.8606	22.0272	41.126	15.1355	50.6117	17.0612	21.387	25.888	41.9348	57.4549	19.336	46.3712	27.9173	34.9916
MORF4L2	18.722	14.0177	14.9065	32.7984	10.39	29.0669	12.5995	14.1936	28.058	37.3764	48.6009	20.6618	42.4974	26.7597	22.288
MORF4L2-AS1	0.355072	0.292577	0.366901	0.0831925	0.125258	0.151254	0.194157	0.258198	0.00982078	0.0506044	0.0364279	0.0346191	0.0260136	0.0927187	0.139223
MORN1	0.4318	0.767505	0.783473	0.875008	1.74729	1.1988	0.683593	0.599808	0.154672	0.373447	0.143367	0.810059	0.339465	0.445666	0.364776
MORN2	2.40488	1.64025	1.29187	3.57261	0.727716	3.56357	1.6047	1.02699	3.80373	3.64556	5.53539	1.94423	2.53901	1.81189	2.6015
MORN3	0.433108	0.616961	0.794486	0.0582171	0.292507	0.609299	0.430008	0.468587	0.321073	0.141808	0.106288	0.188635	0.0242991	0.0885762	0.243391
MORN4	0.467536	0.76677	0.721491	0.537403	0.572616	1.33976	0.57488	0.463451	0.646058	0.507813	0.53794	0.289501	0.243642	0.263152	0.400282
MORN5	0.0326879	0	0	0	0	0.0278333	0	0	0	0	0	0	0	0	0.046944
MOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOSMO	1.33898	1.1221	1.2758	1.00939	0.364185	1.12238	0.922044	1.50483	1.24367	1.2032	1.71152	0.529366	1.36813	1.14911	1.03256
MOSPD1	1.81087	1.6171	1.57651	3.24378	0.559634	2.55912	1.10416	1.6599	7.88647	4.01015	7.01035	2.88994	4.90589	2.45777	1.90622
MOSPD2	1.20079	2.05442	2.19371	2.00513	0.76855	2.12065	1.17426	1.5217	2.40353	2.14904	2.64205	1.88944	1.99784	1.59221	1.82029
MOSPD3	4.23836	4.53115	4.00906	5.6204	11.0307	12.461	7.83408	3.82357	12.0573	4.39618	10.508	6.46587	4.107	2.78356	2.73333
MOV10	4.19846	7.02065	7.38062	7.09448	7.01716	10.8737	6.63829	5.04817	3.47151	2.13106	3.01448	3.0851	3.31632	3.81848	4.93596
MOV10L1	0.0429669	0.0155266	0.0222158	0.0774876	0.00834281	0.105184	0.0306614	0.00477318	0.0130822	0.0269639	0.0121261	0.019215	0.00693051	0.0870185	0.154265
MOXD1	1.19967	2.84986	3.15952	7.91074	1.62762	7.61603	1.39576	2.75989	1.5258	3.85005	5.75998	3.01526	3.4733	2.97627	1.0141
MOXD2P	0	0	0	0	0	0	0	0	0	0.019326	0	0	0	0	0
MPC1	6.22769	3.782	4.40066	4.49582	1.71306	6.03472	3.83305	4.49691	5.35271	4.80385	6.95705	2.42532	2.37528	3.00907	3.4005
MPC1L	0.0403189	0.0388525	0	0.0415498	0.187888	0.034331	0.0920696	0	0	0	0.09103	0	0	0	0.289515
MPC2	4.74236	3.16445	3.26303	5.24635	2.37951	6.78736	2.84872	3.79885	2.26781	4.37487	9.16411	2.62536	3.9889	2.98193	3.20113
MPDU1	4.93461	3.67261	4.09366	10.5683	8.94981	9.71796	5.38236	3.87097	11.0292	9.13445	17.7541	5.6316	7.6482	6.06579	6.25532
MPDZ	3.04739	1.63741	1.91822	1.6903	0.957728	3.2504	1.89969	1.58354	0.470659	1.29591	2.04809	0.726126	1.33424	1.74689	3.0419
MPEG1	4.7035	1.8535	2.35925	9.09688	3.30649	16.9239	5.90909	4.73165	0.612188	7.31323	15.1068	0.77072	8.59769	3.06142	12.0217

MPG	5.91839	5.04016	5.14295	10.5238	13.2621	17.5602	7.74169	3.53599	4.92643	9.15518	23.0375	5.29048	10.1506	8.35248	5.4997
MPHOSPH10	4.76831	4.48719	4.83069	6.01758	2.1555	6.38364	1.32917	3.50932	5.11538	5.27169	5.3618	4.44474	7.43885	4.74088	3.91881
MPHOSPH6	4.39319	3.37255	3.32135	14.47	2.22029	8.00053	1.632	5.73502	6.45121	5.25008	7.78311	4.57228	7.49979	5.94342	3.19987
MPHOSPH8	4.79888	5.50218	6.03794	5.10743	3.97563	6.42708	2.83556	3.83113	2.8529	3.72955	2.95046	2.8207	4.73003	3.72106	4.34533
MPHOSPH9	1.47063	0.967138	0.99463	1.5687	0.432833	1.406	0.642188	1.07309	0.307937	1.28234	1.89898	0.793821	1.42159	1.35924	1.76371
MPI	1.8189	2.35616	2.1338	3.07779	4.08256	3.72023	2.22641	2.01963	3.39263	2.28117	5.67696	2.47286	2.29393	2.66661	1.57917
MPIG6B	0.0614109	0.183445	0.211174	0.0647783	0.219223	0.0720062	0.208428	0.139295	0.254809	0.0935348	0.0542786	0.117596	0.0477911	0.063088	0.0832312
MPL	0.126985	0.113189	0.162829	0.143948	0.207114	0.189221	0.11599	0.253921	4.64734	0.382511	0.981951	1.90354	0.16386	0.182512	0.246195
MPLKIP	4.00884	3.91044	4.31335	7.83159	5.38664	8.25097	4.85797	2.62286	6.67949	6.01928	11.1888	3.64273	8.48938	4.79452	5.26272
MPND	2.24866	2.38222	2.73838	3.55513	6.07468	3.69859	2.39203	1.5764	2.7046	1.96334	2.19159	2.09866	2.40603	1.54023	1.22355
MPO	0.0287938	0	0.00595507	0.0222547	0	0.177752	0.00821897	0.00639739	0	0.00903481	0.097514	0	0.00464441	0.00376223	0.0103379
MPP1	3.83435	2.05046	2.09145	4.55931	3.77982	8.9874	2.7302	2.25617	2.57866	5.34136	8.34787	2.04261	3.30307	2.25176	4.75021
MPP2	0.168657	0.210091	0.210989	0.0763051	0.249203	0.560427	0.394528	0.215693	0.090178	0.0929336	0.116093	0.0294338	0.0743139	0.111797	0.254028
MPP3	0.522269	0.679421	0.712896	0.847686	1.05464	0.789352	0.626125	0.464149	0.373688	0.712857	0.420073	0.560546	0.383298	0.672165	0.984433
MPP4	0.0659078	0.00907297	0.0545236	0.0679199	0.0585015	0.104222	0.0215004	0.0251029	0.0229338	0	0.116917	0.0606327	0.0121495	0.049209	0.0811302
MPP5	3.02496	2.95869	3.05209	3.69567	1.07693	2.41055	2.25697	3.60521	3.16636	4.356	3.28434	3.20383	6.69361	3.47899	3.04034
MPP6	1.02181	0.947617	0.96069	1.08527	0.252011	0.913682	0.45172	0.938453	0.85621	0.764488	1.16635	0.670037	0.947581	0.867265	0.64993
MPP7	6.06844	10.7231	13.5751	4.92531	3.62703	4.4113	9.6179	9.77776	15.0632	6.1411	6.09095	8.02577	8.46365	3.38781	2.20644
MPPE1	3.42398	3.38623	3.15538	2.79102	4.27383	4.02138	3.06189	3.08286	3.46013	2.74741	4.14605	2.43904	1.96234	2.01347	2.56429
MPPED1	0.0778965	0.206425	0.335096	0.00802746	0.1815	0.126023	0.266819	0.00692279	0	0	0	0	0	0.00814242	0
MPPED2	0.227946	0.10054	0.0956135	0.0595495	0.134641	0.229616	0.179605	0.154101	0.0156391	0.032234	0.101473	0.0459447	0.0414254	0.0537998	0.147533
MPRIIP	8.86899	7.94045	9.12851	8.21403	12.646	11.2019	10.7611	6.43456	6.79936	8.07793	4.92084	8.06597	14.7884	9.19932	10.4489
MPST	7.44035	10.9252	10.2117	20.7823	26.9233	20.575	11.1327	5.52919	20.7468	11.4729	21.6299	10.1405	14.3467	9.10314	4.68117
MPV17	5.56169	5.29297	5.32349	12.6708	7.53254	15.166	5.09062	5.28998	7.02542	9.98037	19.5358	6.4133	8.54092	8.48011	8.6804
MPV17L	1.99457	0.415313	0.439461	0.588751	0.35809	1.92878	0.73241	1.25597	0.0610343	0.0754792	0.520476	0.0717171	0.362139	0.240968	0.143943
MPV17L2	1.80645	1.7736	1.49443	3.02071	2.2766	5.5142	1.08965	1.13591	2.40761	1.98922	3.75147	1.48767	2.71587	2.24454	1.83559

MPZ	0.307785	0.199628	0.235035	0.17079	0.551649	0.645107	1.29755	0.241972	0.0288344	0.104004	0.387541	0.0762329	0.0840151	0.117553	0.578023
MPZL1	12.2734	7.58495	6.32843	23.6031	7.26875	25.9722	9.33543	8.76476	8.61884	16.048	18.3555	9.10294	24.3373	15.116	12.5184
MPZL2	16.2349	15.0319	10.4802	53.506	19.7798	39.6535	6.88384	14.1637	94.0671	52.1949	56.5654	60.9733	61.5481	48.0824	15.0012
MPZL3	3.99459	6.90976	7.25758	10.1298	4.76197	4.23683	6.80822	6.07322	50.4392	18.7212	18.5884	14.0666	26.7682	6.55756	2.29302
MR1	1.63939	2.02715	1.97026	2.02135	1.45581	3.39472	1.60015	1.61684	0.80924	1.56961	2.3813	1.02563	1.71109	1.05851	1.80017
MRAP	0.0451844	0.0415357	0.0198067	0.0233784	4.65E-30	0.0182029	0.050343	0.0182246	0.088546	0.0260581	7.06E-31	0.0481825	3.35E-37	0.0665324	0.193412
MRAP2	0.658299	0.296582	0.268759	0.352413	0.185921	0.640609	0.263557	0.402691	0.0312364	0.107303	0.231627	0.0734073	0.104804	0.0938334	0.0859455
MRAS	2.14906	0.972363	1.40062	1.68426	1.83042	4.9361	1.99494	1.29601	0.324415	1.35432	2.54325	0.348893	2.35366	1.17982	3.31975
MRC1	7.64599	1.61965	2.51906	8.38021	2.61083	9.2627	4.66785	6.94172	0.19547	10.4023	18.3851	0.615677	9.10404	4.75341	8.86772
MRC2	7.66672	10.2035	11.0042	10.1416	30.2796	21.1662	16.8325	5.26891	4.36049	11.1544	14.458	5.67919	13.5662	15.9188	42.3775
MRE11	3.87982	3.32052	3.52883	3.08114	1.00786	2.77354	2.53279	3.90391	1.24937	1.68372	2.14786	1.32376	1.65186	1.84447	2.36098
MREG	3.19811	3.37331	3.33692	11.8246	7.47402	5.40949	4.14494	3.7128	21.3291	7.59396	10.7983	5.46313	10.1497	5.24781	1.05512
MRFAP1	26.8026	21.0547	23.3923	39.8735	34.1533	45.6083	18.7585	18.051	27.0488	33.0409	45.8695	20.4681	55.3588	30.1323	28.6513
MRFAP1L1	10.6042	9.09015	9.20576	11.4526	7.56943	13.2529	5.03235	8.41579	9.42474	9.11025	16.2731	5.17288	11.2622	8.05864	8.14719
MRGBP	1.63048	1.31043	1.34298	2.59428	2.26144	4.50708	1.17244	0.933941	2.24454	1.93908	3.85112	1.44215	3.01569	2.07809	1.74572
MRGPRD	0.0718728	0.0230863	0.0198194	0	0.0372144	0.0611988	0.109416	0.0851661	0	0	0	0	0	0.0250426	0.206437
MRGPRE	0	0.0383448	0.026335	0	0.0247243	0.0542118	0.236253	0.0565822	0	0	0	0	0.0410778	0	0.0228586
MRGPRF	5.81873	2.11487	3.2622	2.1729	6.67648	13.0854	6.14593	2.01802	1.11113	3.71517	11.3406	1.72631	5.79487	5.80673	10.4965
MRGPRF-AS1	0.0885576	0.0853368	0.0732611	0.0152102	0.366828	0.0879732	0.0505561	0.0787026	0	0.0370496	0.0833087	0.0105609	0	0.123424	0.423933
MRGPRG	0	0.0128169	0	0	0	0	0	0	0	0	0	0	0	0	0
MRGPRG-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MRGPRX1	0.155584	0.0187406	0	0.0400833	0	0.0334256	0	0.105096	0	0	0	0	0	0	0
MRGPRX2	0.21144	0.449176	0.747376	0.0693302	0.0447871	0	0.471857	0.179369	0.04682	0.0965014	0.021699	0	0	0.0301385	0
MRGPRX3	1.50328	1.75617	1.90843	1.07404	5.06232	1.77395	1.38175	1.19862	0.848494	0.80643	0.463383	1.46877	0.327971	1.79996	1.0342
MRGPRX4	0	0	0	0	0	0.0955277	0	0	0	0	0	0	0	0	0
MRI1	2.87286	5.14026	5.03336	4.09267	9.27547	4.04952	3.74872	3.03332	2.34953	3.52112	5.64794	4.06529	2.31613	3.30999	2.64876

MRLN	0.0843098	0.0406218	0	0.0434419	0	0	0	0.0374638	0	0	0	0	0	0	0
MRM1	0.593412	0.748245	0.553581	1.0409	2.70648	1.05357	0.619875	0.561037	0.169145	0.570479	0.954946	0.370397	0.586518	1.17458	0.616495
MRM2	3.57048	3.22471	3.169	6.00336	4.44593	7.3359	3.26793	2.86482	3.13369	3.82817	6.47837	2.67889	5.96898	3.42242	2.42889
MRM3	2.70641	3.05961	2.82869	4.47605	3.6913	4.58646	3.01471	2.11191	2.92629	2.2535	3.30855	2.36159	2.88755	2.56676	2.351
MRNIP	0.680677	0.921367	1.13572	0.546904	1.05064	1.0267	1.06296	0.554304	0.195113	0.279546	0.469498	0.479437	0.311996	0.371989	0.555971
MRO	0.104131	0.0355383	0.0287148	0.0357699	0.107834	0.262303	0.0198155	0.104111	0.0105683	0.201488	0.342856	0.00931354	0	0.0204087	0.11839
MROH1	2.97572	4.00467	3.75255	4.97757	10.426	5.99228	5.14784	2.9198	5.59129	5.65883	2.68205	7.18142	5.70661	5.48736	3.76114
MROH2A	0.0130408	0.0314163	0.0287687	0	0.00675228	0	0.114153	0.00386319	0	0	0	0	0	0.0022719	0.00624274
MROH2B	0.00876631	0	0	0	0	0	0	0	0	0	0	0	0.011312	0	0
MROH3P	0.0810615	0.131816	0.192797	0.0835362	0.0472187	0.0345114	0.219814	0.108061	0.0246809	0.279786	0.0686312	0.0942527	0.0130751	0.0635494	0
MROH5	0.0308163	0.0148478	0.0169956	0.0158786	0.0159561	0.0874656	0.0117284	0.0319515	0	0	0	0	0	0.016106	0.014752
MROH6	1.14647	2.73106	3.16933	3.14815	5.78505	2.81341	3.55301	1.36063	5.27288	4.03082	1.36657	5.52832	5.92217	2.01345	1.21696
MROH7	0.570315	0.675417	0.414311	0.234985	0.137085	0.425788	0.34432	0.574587	7.56E-07	4.87E-07	6.00E-19	0.0221498	1.17E-30	0.0632064	0.536101
MROH7-TTC4	0.296111	0.236191	0.575257	0.147303	0.855726	0.193177	0.514279	0.379656	0.067007	0.041019	0.0287334	0.104408	0.037348	0.0811193	0.00788049
MROH8	0.215382	0.195465	0.251354	0.111052	0.187913	0.312973	0.267369	0.15728	0.0308822	0.119532	0.178859	0.0726566	0.040891	0.0762231	0.14538
MROH9	0.100186	0.120678	0.108782	0.116151	0.0097265	0.074644	0.0714935	0.17251	0	0.023577	0.0494803	0.0627253	0.0161599	0.0261809	0.0809327
MRPL1	2.55442	2.01844	1.90188	5.00157	0.79358	2.91457	1.65271	2.36096	1.74216	4.18925	6.17095	1.94961	3.61483	3.00832	1.95652
MRPL10	3.49001	2.59773	3.08861	6.23725	2.17928	8.07593	3.87887	2.24637	3.23373	2.59036	6.72773	2.2566	5.75275	3.57534	3.08052
MRPL11	4.38614	2.95995	3.17778	8.36634	4.88773	9.0817	4.43252	2.69958	3.30132	5.21442	12.194	2.86549	5.92351	4.25728	3.46252
MRPL12	7.52434	6.96505	6.09263	23.2387	22.1716	22.2299	8.66915	5.53198	10.4134	14.6522	31.0419	10.9961	23.626	15.3131	7.8261
MRPL13	4.87881	3.65662	3.15643	12.9561	1.42501	7.75813	3.18992	3.24264	8.40491	15.3608	26.8317	6.84757	12.8602	9.67646	4.76088
MRPL14	4.81667	5.22962	5.94971	10.2334	7.32819	10.5202	7.02503	3.41572	11.6117	8.73684	17.6902	6.96372	8.2694	7.05215	4.16935
MRPL15	6.73517	4.74334	4.54283	10.9771	4.60412	9.36289	5.66552	4.19819	15.7285	10.9943	21.9282	5.96482	8.88735	7.66952	5.20684
MRPL16	5.52144	4.33952	4.45434	8.11128	3.55842	11.0867	4.47106	3.68895	2.7661	5.23434	9.79158	2.78793	7.18797	6.48781	4.33029
MRPL17	2.61166	2.79945	3.07494	6.85449	2.78051	7.00454	3.41747	2.24279	3.57383	5.20536	12.5217	3.33849	6.04592	5.04578	3.44163
MRPL18	6.58611	5.10939	6.08299	11.3578	4.50659	14.4955	5.33049	5.00854	7.49315	8.5592	16.7332	6.20384	11.6184	8.20022	4.35808

MRPL19	2.43938	2.64129	2.68336	4.29335	1.07475	3.61289	2.51175	2.91158	2.04901	3.02085	4.9167	2.01836	4.10734	2.76929	2.14442
MRPL2	4.30771	3.7477	3.60693	6.6678	5.12011	10.9445	4.36085	2.54189	4.16306	3.2177	6.67415	4.11803	4.38838	3.59131	2.3293
MRPL20	10.5633	9.14615	8.75404	19.0964	12.9922	21.022	12.134	8.01041	13.6025	16.4879	33.2859	10.7556	15.9057	12.7204	6.8109
MRPL21	8.68274	6.5111	5.91379	13.8927	10.6479	19.5115	8.46015	5.48276	8.7459	11.7581	27.6363	8.38484	10.9093	8.80298	5.62533
MRPL22	1.6411	1.32487	1.34556	3.14185	0.668453	2.82578	1.37408	1.09547	2.21186	2.38015	3.80399	1.39344	2.56941	2.02799	1.17317
MRPL23	7.92228	8.65605	8.10203	13.5319	12.9359	18.6702	10.4699	6.56944	11.5857	10.6088	26.1608	7.7218	9.05566	7.62901	4.56888
MRPL23-AS1	0.243099	0.380669	0.502772	0.0375781	0.453141	0.0724485	0.902079	0.658942	0	0.0457672	0	0	0	0.0190581	0.0523682
MRPL24	9.36207	7.09698	7.76562	19.8103	15.2018	20.4713	9.17858	5.79087	8.42223	10.6224	20.8836	6.75241	10.9209	9.12065	6.31024
MRPL27	7.93382	7.70872	6.97193	21.5087	14.2672	23.7425	7.81819	5.35402	19.6457	18.0562	37.7205	12.0368	18.5638	14.3495	7.32807
MRPL28	6.02937	5.02759	5.59252	12.5733	10.7847	18.7553	5.26162	4.11352	6.94751	9.60586	20.6026	6.07181	13.3207	10.4086	5.33531
MRPL3	12.4374	9.12156	8.56341	22.1325	6.96973	20.9684	9.10759	9.88738	10.6415	16.9605	29.9911	8.20464	21.7882	16.1274	10.1556
MRPL30	3.41328	3.30636	2.84481	5.51548	3.01954	4.53119	2.74958	3.34633	3.57913	4.0471	7.39532	2.46056	4.28598	3.34122	2.26412
MRPL32	5.41594	4.58673	4.30282	11.5805	2.44602	9.44666	4.24963	3.85908	7.58395	11.8583	22.4626	6.28237	10.1906	8.3048	5.58508
MRPL33	10.3652	6.69472	6.09849	14.319	4.511	13.1246	6.01936	6.07499	12.5149	12.1122	27.7396	7.06495	10.4638	9.71382	8.34117
MRPL34	7.38761	6.24346	7.49604	9.23925	9.99	10.0566	8.21655	5.20565	7.27935	6.99166	16.5444	4.77282	7.7744	6.53511	6.69534
MRPL35	2.78808	1.9589	1.97621	3.92236	0.795884	4.09078	1.54988	2.28266	1.75856	3.1068	5.28822	1.69499	4.05278	3.15778	2.07369
MRPL36	6.74692	5.13948	5.1138	13.8669	4.56683	11.5861	4.73394	3.38327	15.2863	13.2935	31.4018	8.98095	13.5942	13.3366	6.00853
MRPL37	10.0812	8.84567	8.73359	19.0229	12.9363	23.9069	14.0985	8.26936	16.518	15.7494	26.0123	14.4448	21.008	14.0786	8.34505
MRPL38	5.93638	6.85324	7.57313	11.0238	13.9003	16.4279	8.79122	4.85788	6.38874	5.14545	9.02371	5.71959	9.95452	7.48773	4.09387
MRPL39	5.0397	3.87561	4.15283	8.35043	1.22798	7.5896	2.7981	4.12757	5.53603	5.45715	7.58559	4.04442	7.81656	5.69143	3.54786
MRPL4	4.87121	4.24412	4.72268	9.06761	8.52369	12.5661	6.44115	4.05535	8.06648	4.82101	9.85689	4.9458	8.81364	6.2541	2.76509
MRPL40	3.49262	2.48738	2.19863	4.87172	2.48429	5.74757	2.77935	2.13201	2.59228	3.43899	7.16862	2.457	2.07133	2.11426	2.0435
MRPL41	16.0928	13.7168	12.9962	23.968	35.7111	30.4725	14.5244	7.66178	18.1993	20.5829	44.9413	14.3113	22.7438	16.6014	11.7208
MRPL42	3.65643	3.10105	2.80078	4.27487	0.786076	4.08444	2.8727	4.3517	4.6354	3.53359	5.43108	2.49896	4.46068	3.04346	2.53853
MRPL42P5	0.243675	0.360103	0.428568	0.143595	0.0903475	0.117341	0.319815	0.418996	3.11E-24	0.08792	0.0687123	6.24E-17	3.53E-27	0.115506	0.226307
MRPL43	3.43326	3.80163	4.11385	5.55315	5.09965	6.34717	4.55912	2.74325	6.84808	3.84108	8.07404	3.60722	4.68262	4.0176	2.51213

MRPL44	3.65417	2.73664	3.0668	5.71681	2.87922	6.44842	3.12916	2.96513	3.38615	4.95193	7.38333	2.87991	6.85939	4.34555	3.72673
MRPL45	5.63442	5.31624	5.38394	8.51936	3.99715	8.46023	4.91719	4.02969	7.24839	6.02374	12.2777	4.87349	7.8247	6.05662	4.05514
MRPL45P2	1.35773	1.98187	1.73537	1.16094	1.29846	0.988158	1.43324	1.23685	0.454954	0.945021	1.13673	0.749864	0.251639	1.33652	0.99933
MRPL46	4.39718	2.96608	2.96756	7.58417	3.55897	6.26651	3.56724	2.55038	5.32708	4.93797	10.2151	3.27878	5.70394	3.91896	3.656
MRPL47	6.02111	3.85548	3.32614	7.94311	1.61467	7.09748	3.56052	3.43375	7.85853	11.3234	22.6495	5.29062	10.7812	6.32457	4.50663
MRPL48	2.17682	1.7901	1.46232	3.86249	1.75424	2.36918	1.55105	1.30911	1.45513	2.8143	4.693	1.73324	2.39711	2.72877	1.57485
MRPL49	6.10154	6.36958	7.00468	10.1267	8.71297	12.5603	6.03765	4.84223	10.4686	9.35085	11.6853	5.8747	11.2646	6.84789	3.6434
MRPL50	4.80541	3.21087	3.30031	6.4471	1.12671	5.98321	2.43277	2.71952	5.43836	6.23043	11.4891	3.40596	7.98506	5.12966	2.89719
MRPL51	16.3061	15.6637	12.4432	52.8425	26.5503	54.1406	16.1979	10.6028	39.0935	46.7239	96.4757	27.3219	42.1486	31.1233	19.8338
MRPL52	2.68941	2.87292	3.14702	6.89231	3.87525	7.63836	3.21209	1.80832	4.00805	4.81894	9.88698	3.65878	5.8791	4.95659	2.49019
MRPL53	7.41991	5.94135	6.02135	14.4918	14.4894	12.1545	6.253	5.52657	14.9319	16.1864	32.0288	12.2616	12.7889	9.89805	5.42945
MRPL54	10.6614	6.94456	6.26917	16.2315	14.195	16.1001	10.9853	4.65495	16.1513	15.1063	32.7933	7.44246	13.3739	9.86284	8.05568
MRPL55	4.49578	3.16305	3.42338	5.60702	7.61837	8.52621	4.25817	2.79229	5.81756	5.80297	11.9094	4.44145	5.47169	5.0999	2.93478
MRPL57	2.98917	2.92274	2.64609	5.90985	2.5178	5.45725	3.143	2.16134	4.3632	3.90574	8.79122	2.42623	4.15563	3.78842	1.88833
MRPL58	5.24576	4.67088	4.29711	9.69884	5.27254	9.87493	5.63712	3.95355	7.64142	6.48715	14.4271	5.88782	8.99225	6.19564	3.36056
MRPL9	5.19698	5.24477	5.59784	11.4513	6.09336	11.7925	5.35985	4.78854	4.21445	6.38038	12.3938	4.5597	9.63681	6.358	3.72132
MRPS10	5.81821	4.83022	4.9027	10.4203	1.96544	9.05187	3.65491	5.44946	6.66445	9.48775	10.8531	4.77439	15.2109	7.70327	5.28054
MRPS11	1.93597	1.52618	1.33403	2.31921	1.47265	2.77256	1.89682	1.29926	1.48374	1.74593	3.86583	1.27112	1.72641	1.56751	1.45695
MRPS12	4.14581	2.78134	2.74955	9.82464	5.48883	11.0521	4.27418	2.53403	6.19958	5.68644	13.1971	4.85645	9.23631	7.71128	2.36147
MRPS14	2.7933	2.96088	2.87568	3.81677	1.09278	4.74813	1.67734	2.7307	1.67577	2.62292	4.46133	1.42869	2.06254	2.21689	2.6595
MRPS15	9.6889	7.73036	5.97183	21.6006	10.3936	21.1967	9.28262	6.50065	20.0366	19.776	32.7856	13.2991	22.9624	17.1343	9.12708
MRPS16	8.59298	8.08995	8.03183	12.6582	7.57471	13.9229	9.82122	6.92615	9.68413	11.0608	20.4522	7.46245	13.9114	10.4378	7.30594
MRPS17	3.00662	3.27849	2.42183	9.17292	3.44129	6.90552	2.16812	2.17982	10.7924	5.66042	11.3434	3.99126	8.24438	7.31937	4.54514
MRPS18A	5.44999	5.3362	5.16883	8.82573	5.98649	11.0712	6.71155	4.37646	8.41538	6.71818	13.7988	4.95809	10.0089	6.75484	4.10912
MRPS18B	1.53454	1.27831	1.34793	2.03004	1.11818	2.89956	1.64135	0.928971	1.21793	1.0685	1.81989	0.821959	1.30712	0.956336	0.730469
MRPS18C	5.06499	3.75311	3.57368	8.0155	2.73846	7.22864	3.40548	3.88715	7.68976	7.72485	14.8862	3.79057	7.64859	6.08222	3.30495

MRPS2	4.19199	3.71954	3.50462	7.44762	4.96098	9.33828	4.59886	3.01154	4.47126	3.3001	6.17318	3.16547	6.03379	4.71664	4.10445
MRPS21	10.663	9.26204	8.47324	16.5292	7.83838	14.1561	7.57909	6.43322	14.8519	16.3047	32.2798	10.7889	11.5791	11.4441	6.85864
MRPS22	5.72408	5.26228	5.00752	9.81447	1.60966	9.14578	4.11291	5.02861	7.87276	7.88624	14.8919	5.92	9.28588	7.694	4.48821
MRPS23	4.35871	3.21367	2.90007	6.93748	2.31308	6.43219	3.20559	3.07411	3.81602	6.79448	14.4636	3.55163	6.43508	5.10738	3.74243
MRPS24	13.6216	9.77343	7.64225	23.4716	13.8393	32.1169	13.6414	6.7831	14.7747	15.6235	36.2498	10.6204	18.4204	15.2271	8.78487
MRPS25	5.08114	4.88151	4.82529	3.8477	4.50784	4.12627	4.34737	3.7653	1.45232	1.68484	2.10915	2.90806	1.78032	4.13769	3.42
MRPS26	7.32826	5.77388	6.57841	10.1458	13.8399	14.3006	5.06099	3.36525	7.4601	5.25584	12.145	6.32734	6.38086	5.93719	3.83865
MRPS27	6.59947	5.84985	6.00886	11.0504	5.32297	9.20736	5.61614	5.74113	5.26172	5.77232	8.07923	4.5813	7.80711	6.37553	4.23843
MRPS28	4.84466	4.25839	3.95368	11.1658	5.23729	8.72416	3.88698	3.22915	7.09624	8.66888	16.9983	4.47363	7.47645	6.72356	5.17114
MRPS30	5.45357	4.70169	4.77494	5.90534	4.23564	5.50401	4.48828	5.01889	4.24807	3.68298	6.84391	3.59515	6.296	4.87585	3.57808
MRPS30-DT	0.09954	0.231806	0.315662	0.034193	0	0.0423785	0.0378839	0.30962	0.0202048	0.145755	0.0374561	0.0830941	0.0749265	0.052024	0.500332
MRPS31	3.94071	3.59753	3.546	4.95159	2.12097	4.91546	2.34836	3.36393	4.6099	3.68781	6.26312	2.89389	4.2264	3.08938	2.10985
MRPS31P5	1.78709	1.0215	1.08576	0.724888	0.513741	0.724375	1.08666	1.08993	0.178337	0.245081	0.393659	0.353261	0.240382	0.60995	0.981281
MRPS33	4.95721	4.01262	3.96034	10.4798	2.94809	8.99672	3.26661	3.27269	10.1772	8.92385	18.7709	6.64813	7.3288	5.92194	3.49856
MRPS34	10.9613	11.1398	10.5263	24.129	25.3117	23.1314	13.2378	7.21071	14.6158	16.7928	31.9935	12.8239	19.2477	15.8046	7.95208
MRPS35	5.5265	4.38504	4.91505	10.1709	1.8761	9.73355	3.35697	5.07416	6.41864	6.07887	10.4254	4.67016	9.24092	6.79701	3.8545
MRPS36	3.30864	2.37445	2.29055	3.80445	0.324597	2.41691	2.14732	1.77974	7.38044	4.72094	7.72564	2.99042	4.95479	3.03982	1.42549
MRPS5	2.21173	2.27956	2.02063	4.61135	3.49533	4.57442	1.79332	1.64655	1.8348	3.17023	3.63297	2.26603	4.8559	3.50135	2.17279
MRPS6	6.98381	5.8214	6.06474	13.2526	3.75407	14.5276	8.24104	4.97147	8.00851	9.55049	14.5	9.947	14.9478	10.9982	5.1129
MRPS7	7.25367	5.4889	5.29149	15.0595	7.27782	15.1805	6.08867	3.94357	11.5148	11.9257	21.0732	8.29676	16.2885	9.32627	5.59467
MRPS9	4.16813	3.25231	3.38713	5.62706	1.94786	6.97414	2.39409	2.84606	3.5957	3.92472	5.87737	2.82608	5.72487	3.23691	2.43699
MRRF	4.56806	3.54683	3.78906	3.93666	1.61912	5.38797	3.86868	3.71116	2.83434	2.94047	4.44105	2.85425	2.97966	2.84453	2.09914
MRS2	2.71692	2.51202	2.41407	2.74173	1.53988	2.87264	2.08696	2.43277	2.7993	2.84823	3.70784	2.18221	3.57822	2.33711	1.86538
MRS2P2	0.739889	0.514009	0.597854	0.292579	0.481104	0.146513	0.825136	0.894577	0.0419117	0.140375	0.0874091	0.332421	0.111017	0.319251	0.420088
MRTFA	4.04829	4.62133	5.46519	5.41101	7.75232	9.51102	6.33433	3.60603	4.69855	4.25944	3.7577	4.53763	8.56077	5.02266	6.90729
MRTFA-AS1	1.14997	1.36209	1.55582	0.617225	1.09783	0.50999	0.91636	1.06458	0.277188	0.917112	0.135226	1.46567	0.123659	2.37905	2.71809

MRTFB	9.81008	6.98831	7.96779	6.90092	3.42123	9.19553	7.39419	7.86438	2.91258	4.42495	5.66306	4.03084	5.01692	4.73494	6.78978
MRT04	5.25377	4.07174	3.79879	11.951	4.71309	11.2531	4.67331	3.63756	5.04688	5.91673	9.28707	4.33475	13.5391	8.18433	3.87489
MRV11	4.77652	1.57217	1.86947	0.958707	2.99262	8.01008	3.78899	1.47154	0.604552	1.81679	2.87237	0.842007	1.29004	1.85597	7.24348
MRV11-AS1	0.257145	0.408858	0.212728	0.238496	0.199718	0.19706	0.55784	0.15997	0.125269	0.193646	0.261256	0.128796	0.0497726	0.174714	0.110788
MS4A1	0.180302	0.0248206	0.0266355	0.00663595	0	0	0.0220568	0.0400594	0	0.113149	0.130846	0	0.108021	0	0.147964
MS4A10	0	0.00485657	0	0.0103875	0	0.0171655	0	0	0	0	0	0	0	0	0.0434273
MS4A12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MS4A13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MS4A14	0.142538	0.049947	0.0375193	0.153567	0.0704491	0.700633	0.0517827	0.0460641	0.0157814	0.382196	0.351072	0.0927182	0.0877848	0.247194	0.344273
MS4A15	0.0101505	0	0	0	0	0.00864298	0.0115895	0	0	0.0127399	0	0	0	0	0
MS4A18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MS4A2	1.11655	1.22878	2.08879	0.588394	0.335052	0.081028	0.666395	1.08251	0.278148	0.549407	0.623061	0.281438	0.605784	0.377987	0.710646
MS4A3	0.0419511	0.00673757	0.0231366	0.0144106	0	0	0.0478985	0.0248551	0	0.017551	0.0315717	0	0	0	0.0401648
MS4A4A	2.55283	0.267119	0.298649	4.10559	0.720986	5.69771	1.28072	2.06249	0.0471069	5.66374	16.869	0.13838	1.4807	0.849048	3.77728
MS4A4E	0.987437	0.713643	0.697749	0.466392	1.72556	0.24523	0.775104	0.47534	0.225485	0.284014	0.394787	0.397427	0.0796361	0.494574	0.295434
MS4A5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MS4A6A	4.61405	0.903279	1.13684	4.63298	1.38538	9.63214	2.88866	2.8146	0.39901	6.55639	17.4548	0.358148	3.81074	1.74085	5.20175
MS4A6E	0	0	0	0.144543	0	0	0	0	0	0.440105	1.78129	0	0.0452478	0	0
MS4A7	2.1235	0.400357	0.496461	7.45298	1.0278	6.36773	1.15078	2.14702	0.262366	5.13731	11.5428	0.429401	2.89899	1.41544	4.1877
MS4A8	0	0.00823536	0	0	0	0	0	0	0	0	0	0	0	0	0
MSANTD1	0.109813	0.242502	0.196831	0.103735	0.440658	0.11688	0.208968	0.227716	0.0557249	0.0803987	0.0826433	0.078574	0.0236169	0.119569	0.0788525
MSANTD2	2.01723	1.69057	1.75476	1.16539	1.16792	1.22837	0.823569	1.6189	0.543463	0.813252	1.34561	0.940382	0.441722	1.20445	2.30003
MSANTD3	2.21353	1.82968	1.77715	5.22229	2.1689	5.11433	1.87501	1.80613	3.28175	8.67683	8.90832	3.26956	12.1056	4.6787	4.11332
MSANTD3-TMEFF1	0.184928	0.0907838	0.161827	0.321783	0.00397547	0.338539	0.00115283	0.231895	0.223948	0.635025	0.989227	0.245195	0.734441	0.490501	0.833253
MSANTD4	1.82767	1.30469	1.34965	1.16128	1.05374	2.12432	1.04339	1.77875	0.573545	1.21732	1.83537	0.593702	1.20814	1.16033	1.92429
MSC	0.975559	0.374017	0.630506	1.72621	2.05268	6.80122	0.647043	0.711451	0.117879	2.46254	7.37265	0.182966	4.38335	2.21167	8.96496

MSC-AS1	0.379365	0.158359	0.135615	0.387223	0.331961	0.973837	0.137287	0.329031	0.0653343	0.5117	1.08646	0.0188671	0.361158	0.39976	1.60715
MSGN1	0.0179543	0	0	0.0185024	0.0278892	0.0152878	0	0	0	0	0	0.0256935	0	0	0
MSH2	3.35354	3.50607	3.44845	4.80858	1.22108	4.78985	2.05858	2.71115	1.76545	3.10473	3.69616	2.15185	3.62475	2.52164	2.08181
MSH3	3.87586	2.79031	2.70577	3.66862	1.42309	2.52834	2.36891	3.29539	3.18631	2.14183	3.34607	2.58094	2.67892	2.34615	2.35277
MSH4	0.0564981	0.0510406	0.122691	0.0800566	0.076791	0.0541209	0.0645078	0.0251054	0	0.0177277	0.0637794	0.00505324	0	0.0369105	0.0304269
MSH5	0.0994029	0.137019	0.156567	0.113112	0.192073	0.214587	0.20312	0.131871	0.0459448	0.108029	0.122961	0.106049	0.0609988	0.127551	0.106482
MSH5-SAPCD1	0.0907178	0.14194	0.155118	0.0903393	0.0408526	0.172567	0.224522	0.0953255	0.00032254	0.0188607	0.0193633	0.0753178	0.00027132	0.0544119	0.0622211
									3				5		
MSH6	4.77949	4.49617	4.94988	7.91258	3.04191	8.87402	3.47481	3.69658	2.05775	4.57204	5.38958	2.96511	7.06096	5.62514	6.09225
MSI1	0.132246	0.172414	0.0514839	0.104217	0.398764	0.29145	0.0977021	0.124443	0.0757933	0.0390547	0.158071	0.105758	0.0351336	0.113841	0.256953
MSI2	2.25787	1.96653	2.05943	1.50048	0.948751	2.5067	1.74838	2.2304	0.683929	0.737526	1.03914	0.801565	1.63979	1.08323	1.6296
MSL1	7.31248	9.697	10.6503	8.3536	7.20865	9.9407	6.21863	7.3925	7.57766	6.47092	7.32475	5.55306	8.02876	7.99194	6.69077
MSL2	4.73048	4.87645	4.63585	4.7649	3.34621	4.84598	3.33486	4.72144	2.61766	3.45274	3.49437	2.51689	4.20719	3.83658	3.58843
MSL3	2.44863	2.47642	2.61988	3.62887	2.07204	3.97932	2.20466	2.31292	2.90831	2.40594	3.61715	2.38281	2.56085	2.41083	2.72616
MSL3P1	0.174445	0.319391	0.269385	0.215725	0.126454	0.604053	0.185897	0.279058	0.283273	0.496279	0.892735	0.158106	0.420191	0.285674	0.250525
MSLN	0.16885	0.061016	0.0436515	0.119629	0.18032	0.10783	0.192788	0.0187575	0.0514102	0.105962	0.0357396	0.0226532	0.0272353	0.0275777	0
MSMB	0.607797	1.41918	1.19902	0.337267	1.01674	0.11943	3.04276	1.78668	1.70822	0	0.105558	0.334535	0	0.048871	0
MSMO1	6.25318	8.26295	7.32991	31.7809	2.54936	12.0199	5.55045	9.27764	30.3491	25.9832	19.8171	9.70675	33.617	13.5232	2.86418
MSMP	2.24242	3.18408	2.88095	3.97585	2.67661	6.19629	3.74765	2.90597	3.63256	2.8745	2.45972	2.51205	6.48755	3.58698	1.27842
MSN	38.7136	33.4071	37.4568	115.385	49.1697	136.071	36.1949	31.2089	39.609	96.2206	66.1498	58.3336	204.588	86.3234	80.6965
MSR1	1.62712	0.26265	0.345057	2.08109	0.538852	3.61839	0.367786	0.987274	0.0754433	4.23471	9.77615	0.121152	1.00718	0.748958	3.64154
MSRA	2.24605	1.60735	1.73968	3.35846	2.00098	6.64681	2.63988	1.49707	1.9443	2.363	3.67896	1.82768	2.90537	2.31899	1.81835
MSRB1	3.82421	4.41579	4.13184	24.8178	9.44817	12.8426	4.57338	3.54513	15.8996	9.64093	23.2786	6.32185	12.709	7.86557	4.00067
MSRB2	2.24913	1.89026	1.20519	3.77959	2.06445	4.60278	1.47367	1.38556	2.08552	3.91355	7.79008	1.78305	2.55596	2.31759	2.62441
MSRB3	4.98995	1.84169	2.46053	1.91676	2.24016	5.46917	4.29088	1.96223	1.09078	4.77575	8.82372	1.05535	3.49559	3.69498	9.2807
MSS51	1.11751	1.1413	1.23265	0.580737	1.11275	0.553037	1.01421	0.780941	0.244283	0.455544	0.345035	0.498903	0.0801127	0.878589	0.987626

MST1	1.1214	1.86242	1.95351	0.760253	3.28355	1.92423	1.12266	1.18519	0.641498	0.453323	0.343637	1.08606	0.313909	0.738313	0.812862
MST1L	0.275009	0.352622	0.521653	0.0163311	0.061839	0.155438	0.0544034	0.246013	0.0589041	0.0812822	0.0674913	0.0280426	0.00639751	0.0825099	6.49E-22
MST1P2	1.06984	1.48292	1.42835	0.285638	1.65951	1.29561	1.00194	1.05142	0.192169	0.148215	0.0232598	0.546929	0.0651594	0.236316	0.121983
MST1R	1.68406	7.45018	8.35487	4.73311	7.64168	4.77984	5.16829	3.37426	2.00749	4.43871	1.54968	3.91804	5.97602	4.51018	1.58303
MSTN	0.0820967	0.0830664	0.122249	0.0084603	0.0382573	0.0699042	0.0468677	0.0802568	0	0	0	0.0117485	0.0211873	0.0128722	0.0353704
MSTO1	2.5655	2.12517	2.30714	3.76315	2.34371	5.10179	2.63673	1.73482	1.23204	2.08735	2.60955	1.57527	2.9897	2.48279	2.6482
MSTO2P	0.615197	0.58915	0.636332	0.311378	0.560004	0.823796	0.744525	0.477594	0.311067	0.146591	0.0609971	0.380089	0.223497	0.360846	0.359892
MSX1	1.05141	0.356914	0.375597	0.788009	1.57753	4.34407	1.43238	0.329167	0.305575	0.674812	1.45667	0.290667	0.832541	0.774316	1.71587
MSX2	0.837992	0.757667	0.907211	2.47344	1.63916	1.76182	1.13398	1.02976	1.04578	2.03861	4.34455	0.829084	4.13845	1.78973	2.19892
MSX2P1	0.0321283	0	0.00885959	0.0331091	0.0166354	0.0638325	0.036683	0.0571058	0	0	0	0	0	0	0
MT1A	0.116884	0.0563165	0	0.96362	0.272342	1.39335	0.133454	0.155815	0	0	0.593764	0.167267	0.452478	0.0305444	0.503581
MT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT1DP	0	0	0	0	0	0.0692654	0	0	0	0	0.045915	0	0	0	0
MT1E	29.3936	6.95783	8.8707	9.66203	3.4317	48.4965	7.56727	23.034	2.4281	7.77739	20.4078	9.90864	11.994	10.9972	5.80379
MT1F	2.25202	0.600244	0.594583	1.67885	0.297716	6.60947	0.711205	0.851661	0.175066	0.601385	2.48815	0.308562	1.14384	0.450767	1.72031
MT1G	6.00005	2.23153	1.65573	22.2007	1.24269	9.39077	2.80551	4.57058	1.11734	0.93237	1.74171	1.6355	2.35959	1.19462	0
MT1H	0.757833	0.337048	0.385805	1.56194	0	1.29057	0.266237	1.03615	0.141993	0.073166	0.526461	0.208558	0.338504	0.243739	0.0837188
MT1HL1	0.0732375	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT1IP	0.0618798	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MT1JP	0	0.0819903	0.0938508	0.0584549	0	0.434691	0	0	0	0	0	0.0405869	0	0	0
MT1L	0.543264	0.340279	0.359541	2.29538	0.590714	2.86801	0.0620281	0.531089	0.132327	1.3637	2.33045	0.427592	0.420613	0.4259	0.780196
MT1M	3.68185	1.46986	1.43592	2.27655	0.735324	15.4961	1.08098	2.71119	0.128117	0.858204	1.95942	0.112905	1.49318	1.20956	1.73735
MT1X	161.371	77.9606	64.8757	161.076	37.7695	121.358	38.3279	121.76	19.1819	15.3143	52.3996	36.0701	21.8474	24.0714	6.08785
MT2A	69.1219	17.327	17.3666	433.907	44.8205	505.119	19.2334	58.2138	5.48747	43.4418	125.409	36.9291	172.042	94.7575	43.3837
MT3	0	0	0.0319093	0.0794986	0.0599153	0.19706	0	0	0	0.0484115	0.0435427	0	0	0	0
MT4	4.88051	1.0999	0	0.730089	0	0.0670272	0.0898775	1.53907	0.0958695	0.691593	0.177725	0.112649	0.0507884	0.123424	0.113049

MTA1	7.13848	7.76622	7.60435	9.92613	10.9999	13.9468	7.75044	6.37306	4.36681	5.17528	6.17262	5.46348	6.26186	8.3008	9.30388
MTA2	12.6284	14.2436	15.0577	19.5494	18.1951	26.8877	15.3686	10.0529	17.8363	15.6238	16.0245	12.7705	26.1205	14.5266	11.1384
MTA3	2.88427	3.01156	3.30292	3.33057	2.26687	3.40546	2.51507	2.65506	3.85647	2.782	2.95682	2.47998	2.90021	2.08848	1.41368
MTAP	3.40021	3.11566	2.88681	5.48138	2.16966	3.54396	2.38949	2.76269	3.72295	3.39992	3.5358	3.47658	4.75474	6.33414	4.02537
MTBP	0.982099	0.646573	0.626402	1.12797	0.244552	1.17457	0.402309	0.692916	0.319565	0.48929	0.812459	0.284306	0.686852	0.525043	0.65676
MTCH1	23.2775	23.2085	25.3763	25.1567	36.188	40.4109	27.3454	14.9582	36.3758	23.7293	36.5362	17.8033	29.1949	18.5673	19.5085
MTCH2	8.89446	7.76484	7.32888	15.5005	4.63728	16.8339	9.11979	7.13757	14.1358	13.9266	20.3892	11.8965	16.9317	11.525	8.11938
MTCL1	3.69635	3.31665	2.03964	4.29073	13.6609	6.19775	2.24682	1.50239	4.858	1.71173	1.77973	3.72941	3.74275	3.26811	3.0443
MTCP1	0.599211	0.621465	0.474654	0.302157	0.300649	0.277054	0.356644	0.449344	0.214237	0.312505	0.298989	0.300109	0.336558	0.352046	0.525325
MTDH	8.92321	7.1147	7.17479	11.2018	8.43547	11.5742	5.6447	6.88514	11.846	11.567	13.9594	7.27576	14.7767	10.0234	8.22326
MTERF1	1.96146	1.62086	1.63172	1.56965	0.476599	1.50221	0.950863	1.63606	0.667273	1.29281	1.83077	0.752703	1.28674	1.30577	1.6209
MTERF2	1.52563	1.99342	2.17126	1.94527	1.76733	1.1119	0.841434	1.96484	0.503877	0.697775	1.21141	0.656828	1.0177	1.54742	0.668441
MTERF3	1.81277	1.89969	2.21199	3.95418	0.844758	3.16428	1.05213	1.19486	2.09736	2.65442	3.44476	1.65379	1.98831	2.61333	1.51863
MTERF4	2.77989	2.95609	3.03642	1.92059	1.63331	2.22388	2.21789	2.3922	1.4106	1.2528	1.30554	1.45681	0.96138	1.33548	2.37936
MTF1	3.5441	3.55975	3.23254	5.68285	3.68647	5.45508	3.47975	3.12221	10.8922	4.88053	4.16529	5.95573	6.56309	4.8932	3.13637
MTF2	2.41635	2.26903	2.47204	2.53055	1.33242	2.4728	1.32504	2.64071	1.30413	2.0406	3.18975	1.33182	2.39819	2.09504	2.13363
MTFMT	1.33814	1.16219	1.08869	2.35369	1.36151	2.69183	0.933404	0.839883	0.934047	1.47492	2.52123	1.00105	2.12612	1.7147	1.42822
MTFP1	1.0322	0.732908	0.629197	3.76965	1.57524	4.62582	0.702986	0.434527	0.727798	1.79555	5.29464	0.919971	3.28312	2.37558	1.22231
MTFR1	1.91346	2.1026	2.11477	3.57744	2.07941	3.62565	2.2279	2.11053	3.39886	4.21464	3.22728	2.64627	4.30389	3.03575	2.37868
MTFR1L	5.01276	4.60538	4.73816	4.31398	4.99196	6.6772	4.87491	3.46027	3.18763	3.39643	5.65983	2.67415	3.26584	3.44721	3.23312
MTFR2	0.14487	0.255936	0.299618	0.584732	0.0375056	0.842928	0.192976	0.11802	0.102921	0.439416	0.354338	0.302338	0.981432	0.492152	0.208052
MTG1	3.2993	3.92692	3.66945	4.98431	8.04629	5.42674	3.76501	2.65208	2.31627	2.33569	3.12588	3.13413	2.86281	4.22325	3.82456
MTG2	2.11405	2.34331	2.49101	3.47671	5.74454	4.79226	2.15403	1.72446	2.59421	2.74046	3.2657	2.21318	3.16334	2.50892	3.24892
MTHFD1	5.76803	4.94988	4.99606	13.4582	3.6911	15.8261	5.97826	4.53708	5.08814	7.11735	7.19866	5.69303	13.9347	8.09332	5.51248
MTHFD1L	1.0584	0.771562	0.898364	3.99385	1.06344	5.80932	1.42857	0.629407	0.862532	3.78766	2.78046	2.7083	6.7526	5.06484	3.63893
MTHFD2	3.4436	2.52781	2.01091	8.0264	2.87908	6.21796	4.15152	3.1594	22.0303	8.11026	12.154	5.00769	14.3498	7.18315	4.85819

MTHFD2L	0.944695	0.870343	1.02022	0.708766	0.245596	0.689962	0.988361	0.959002	2.03148	0.977326	1.18246	0.675955	0.645216	0.911041	0.579011
MTHFD2P1	0	0.012891	0.0147557	0	0	0	0.0101827	0	0	0	0	0.0127626	0	0	0
MTHFR	2.7961	3.64442	3.80077	4.11844	7.91715	6.83943	3.95814	2.83134	3.86415	3.14937	1.84653	4.09864	3.97945	2.50101	3.34281
MTHFS	0.77324	0.662001	0.66838	2.41697	0.791956	1.9971	0.696133	0.553184	0.376678	1.22993	2.94564	0.436206	0.951206	0.444774	0.342414
MTHFSD	1.21731	1.59344	1.64155	2.1754	2.63416	2.63625	0.988188	0.925511	1.0455	0.989132	1.17561	1.02207	1.17584	1.53355	1.07116
MTIF2	4.12557	3.35481	3.31781	5.28672	1.66762	5.39988	1.80362	2.88274	2.65233	3.30122	4.30232	2.4691	4.95249	3.61104	3.06153
MTIF3	5.71063	5.31285	4.78639	5.94304	2.53862	5.98218	2.29494	3.75626	7.77849	6.60157	13.1688	4.40868	7.29621	5.15436	4.10059
MTLN	1.45348	1.16175	1.28631	3.34405	2.76532	2.29296	1.60808	0.851143	2.00346	2.87075	5.25311	1.70916	2.26812	1.93741	0.744339
MTM1	2.95687	2.64163	2.7916	3.24149	0.952088	3.80241	1.54576	2.81937	4.90542	4.11695	3.45199	2.3856	4.54124	3.34071	2.07969
MTMR1	4.44415	5.58808	6.14818	4.87086	3.7567	5.46011	4.83736	4.38102	7.77738	4.01584	3.89094	4.55986	6.8167	2.97315	2.49716
MTMR10	5.02883	4.32073	4.26056	4.03967	2.31207	4.57595	3.67467	4.54857	4.16703	3.62711	3.60294	2.90738	4.21754	3.45405	3.99468
MTMR11	1.37178	3.03368	2.73508	1.7234	5.07572	2.21143	2.26139	1.56843	4.28932	2.07962	3.11454	1.90795	1.55632	2.11058	3.14323
MTMR12	7.4585	5.36137	5.54613	5.35405	5.61599	7.47205	7.16019	5.85492	9.88267	4.3304	5.75917	5.56976	7.33475	4.52563	3.12813
MTMR14	4.78443	4.51769	4.55703	6.05446	5.29627	9.52904	5.06503	3.75512	7.14407	5.02712	5.80454	3.96116	6.62321	4.48375	2.98798
MTMR2	3.7366	2.56634	2.84701	4.92982	1.5749	4.98121	2.70652	3.26579	4.54496	6.54782	7.98489	3.67155	9.01692	6.12238	5.90624
MTMR3	6.58419	7.11834	7.7372	5.5408	7.63293	8.64581	8.16755	5.28461	10.6719	6.38963	4.51557	6.40564	6.36404	5.53824	4.78699
MTMR4	5.43538	5.08849	4.97279	4.65208	5.09418	8.09336	6.16514	4.56941	5.05784	3.77724	3.80971	3.17894	3.96029	3.41349	3.3185
MTMR6	3.18694	2.27333	2.55935	2.86799	1.16521	3.59047	2.42752	3.22281	5.0706	4.40105	6.08295	2.35021	4.85412	2.9833	3.47407
MTMR7	1.08215	0.680477	0.706128	0.384145	0.184542	0.303118	0.515467	1.05576	0.194503	0.33716	0.22349	0.340767	0.259986	0.425103	0.393731
MTMR8	0.669679	0.561515	0.395718	0.30473	0.229664	0.45914	0.615666	0.301442	0.381316	0.130989	0.166906	0.199137	0.190786	0.177274	0.074941
MTMR9	1.9533	1.45154	1.63277	2.12891	1.16345	1.88145	1.30705	1.8054	1.06576	2.32971	2.71311	1.33904	3.17993	2.5108	2.3519
MTMR9LP	1.15516	1.05557	1.35106	0.605476	3.82076	2.02656	1.20522	0.814209	0.194049	0.424955	0.933058	0.577159	0.257001	1.05654	3.94717
MTNR1A	0.0179543	0	0	0.0185024	0	0	0	0	0	0	0.0608044	0	0	0	0
MTNR1B	0.0139248	0.16773	0	0	1.96834	0	0.0158989	0.0495009	0.169589	0	0	0.0697451	0	0.0363886	0
MTO1	2.52281	2.60266	2.70089	4.42734	1.93635	4.13202	2.4484	2.16952	3.35264	2.96149	3.19975	2.29358	3.84902	3.09081	1.9181
MTOR	5.20951	5.45712	5.11938	9.02867	7.27636	8.53287	7.04438	4.25968	7.83706	5.83934	4.58434	6.7054	8.44394	6.07066	6.373

MTOR-AS1	0.196683	0.347471	0.271184	0.202688	0.101839	0.279122	0.636272	0.320459	0.079846	0.0411429	0	0.187643	0	0.119928	0.188308
MTPAP	3.9615	2.74799	2.93315	2.61836	1.5224	3.09966	2.68802	3.05586	1.55472	1.66942	2.46845	1.84158	2.74989	2.5461	2.73257
MTPN	6.78084	6.68495	6.37857	15.3051	7.78867	12.4811	6.00731	7.57782	15.1596	20.024	22.0326	14.2785	26.0095	12.7791	9.92641
MTR	5.27615	4.26991	4.80183	3.52616	2.93846	6.25636	4.90793	3.87279	0.93703	2.17894	3.08569	1.78799	3.00391	2.88922	4.08292
MTREX	6.55597	6.31159	6.34118	9.38615	2.07802	8.1784	3.96731	6.46888	6.45948	6.35745	6.88347	4.54286	9.66023	6.11077	5.48536
MTRF1	0.856363	0.995718	0.790413	0.875214	0.527694	0.982287	0.597974	0.59124	0.64646	0.96823	1.01467	1.10903	0.707775	1.0505	0.88427
MTRF1L	2.977	2.61318	2.48637	3.74963	1.67432	3.36041	2.12277	2.61023	4.48692	3.57897	4.01735	2.55452	5.01897	3.35328	2.60453
MTRNR2L1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MTRNR2L10	0	0	0	0	0	0	0	0	0.0251433	0	0	0	0	0	0
MTRNR2L2	0.282413	10.7024	0.261091	0.0243599	1.90895	0.876841	0.455296	0.640913	0.088554	0	3.4484	0.944397	1.4991	1.01879	0.795166
MTRNR2L3	0.769762	0.36282	0.595271	0.155203	0.181955	0.170985	0.382126	0.6841	0.264941	0.714096	0.0755622	0.347234	0.12956	0.63845	0.240321
MTRNR2L4	0.112801	0.163048	0.10887	0.0193742	0.0584064	0.0480244	0.171724	0.0835403	0	0	0.0212231	0.0538082	0	0	0.134997
MTRNR2L5	0	0.0449107	0.0550793	0.0411673	0	0	0.0152037	0.0236681	0	0	0	0	0	0	0
MTRNR2L6	0	0.0239799	0	0	0	0	0.0189419	0.0147438	0	0	0	0	0	0	0
MTRNR2L7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MTRNR2L8	0.921376	7.97534	1.33384	2.06959	2.53558	0.976165	0.822406	0.936176	0.606211	1.10333	2.49622	1.53934	1.6551	1.51653	2.19551
MTRNR2L9	0.263488	14.7053	0.508611	0.0905108	2.72859	1.19657	0.551544	0.312222	0.0534832	0	6.09763	1.25689	3.65503	0.849215	2.01815
MTRR	2.74315	2.18116	2.54817	3.07806	1.22435	3.96504	2.35643	2.24894	1.53464	2.00458	3.34254	2.06297	3.19513	2.58281	2.71074
MTSS1	8.09604	9.37474	11.1748	12.5654	9.32429	16.0234	9.13144	11.4844	6.68962	10.6498	8.13457	11.4258	20.9981	9.61049	6.51365
MTSS1L	6.6123	9.54428	8.35911	7.0346	22.0809	18.7043	9.5566	6.55833	4.97793	4.80322	5.10229	7.56938	8.16043	12.0056	13.8101
MTTP	0	0.013615	0.0140261	0	0.0877879	0.0384977	0.0193582	0.0502262	0.35103	0.0212798	0.0574189	0.0283068	0.00364634	0	0
MTURN	7.16503	5.92056	6.85605	2.65816	3.76557	4.55536	5.65384	5.38777	4.90606	3.50222	3.79257	3.02764	3.688	2.98332	3.13842
MTUS1	9.14676	5.48765	4.83346	6.73375	3.48793	7.64305	3.58407	5.94114	3.18873	4.6328	5.98206	4.36184	4.97423	4.28817	7.835
MTUS2	0.244424	0.0898748	0.0718358	0.0894857	0.169854	0.0356001	0.110161	0.102895	0.0470022	0.153388	0.0798727	0.0966506	0.0498003	0.151279	0.0554247
MTUS2-AS1	0.0623242	0	0.0687453	0.021409	0	0	0.0237199	0	0	0	0.0469042	0	0	0.0108578	0
MTVR2	1.62457	1.13979	1.10818	0.264343	0.442724	0.388296	1.10642	1.49445	0.138845	0.107316	0.0321744	0.163148	0.0183889	0.0595841	0.654903

MTX1	4.54996	4.11385	3.71758	8.62521	7.7439	11.6705	4.76209	2.93289	8.22647	6.27471	10.0825	4.99398	8.22695	5.73955	4.65874
MTX2	4.05585	4.63676	4.87058	7.58034	3.79363	5.73109	2.88805	3.69494	7.94935	5.69261	12.5705	4.97201	5.99335	5.47034	2.19209
MTX3	3.1678	2.46796	2.04149	2.57916	0.842772	2.54335	1.68189	2.94234	1.81889	1.91107	2.14365	1.73443	2.27911	1.86908	1.90186
MUC1	1.10805	0.667342	0.604158	2.54326	1.23221	16.8541	1.96958	1.65615	0.0613398	0.774373	1.06606	1.21628	1.64916	0.809442	1.62746
MUC12	0.0297778	0.0444087	0.0504417	0.0175354	0.0792947	0.0253554	0.0744748	0.0504077	0	0.270518	0.0320147	0.0304383	0.0677012	0.0815215	0.0549832
MUC13	0.0160939	0	0	0	0	0.0205556	0.0275633	0	0	0	0	0.0115156	0.00519186	0.00420569	0
MUC15	2.6882	5.85471	5.95476	3.40308	1.88648	1.5802	3.59122	5.821	23.8815	2.97148	4.15916	5.95594	0.981659	0.588376	0.44093
MUC16	0.008451	0.0330835	0.0367041	0.0228611	0.0139478	0.00449744	0.138102	0.0239399	0.00192982	0.114024	0.00894386	0.00340139	0.0020447	0.00552107	0.016688
MUC17	0	0	0	0	0	0	0	0	0	0.0182176	0	0	0.00208108	0	0
MUC19	0	0.00134719	0.00077103 5	0.0038419	0	0.0150785	0.00106415	0.00082830 4	0	0.00116978	0	0.00066688 7	0	0.00535827	0.0013385
MUC2	0	0.00387445	0	0	0	0.00912949	0	0.00476433	0	0.00336425	0	0	0	0	0
MUC20	0.357284	3.331	2.97788	0.303758	1.37359	3.79518	2.17225	0.563605	0.424253	0.246635	0.272247	0.581595	0.0518665	0.116708	0.577243
MUC21	0	0	0	0.0363723	0.00534878	0	0	0	0.00104842	0.00108045	0	0.00061596	0.00666498	0	0
MUC22	0	0	0	0.00049596 7	0	0	0	0	0.00117228	0	0.0021732	0	0.0058998	0.00075460 5	0.00138234
MUC3A	0.0198244	0.0248345	0.0196802	0.00408593	0.110859	0.0168803	0.0497968	0.0669496	0	1.06991	0.00447586	0.119153	1.46069	0.0932501	0.575102
MUC4	0.0041317	0.0338422	0.0501312	0.00425784	0.0385078	0.0727072	0.0235872	0.0220315	0.00167732	0.00691428	0.00310945	0.0019709	0.00444292	0	0.00197788
MUC5AC	0.00780541	0	0	0	0	0.00664621	0.0935757	0.017342	0	0	0	0	0.015108	0	0
MUC5B	0.135634	0.158184	0.213514	0.0359421	0.222726	0.389368	0.392975	0.242359	0.00629284	0.0762003	0.0160405	0.0785641	0.357543	0.0175533	0.243021
MUC5B-AS1	1.46E-07	0.227208	0.00876658	0	2.87E-23	2.24E-13	0.0337968	0.231549	0	0	0	0	1.60E-17	0	0
MUC6	0.0722949	0.21457	0.133969	0.0536415	0.61989	0.118192	0.184899	0.195319	0	0.0326655	0	0.0848355	0.00186577	0.0574324	0.149507
MUC7	0.0834284	0.00803942	0	0	0	1.1153	0.428652	0.0741443	0	0	0	0	0	0	0
MUCL1	25.1308	43.3257	69.8089	14.4366	6.17531	58.1508	28.8556	71.9656	73.3749	6.83107	28.2627	24.9577	3.48103	2.91877	0.747648
MUCL3	0.00874863	0.00187343	0.00160833	0.0832045	0.0196295	0.00993246	0.00110988	0.00345558	0	0	0	0.00208663	0.00878045	0.00254023	0
MUL1	4.76419	3.66094	4.16716	6.79199	6.58142	7.76856	5.38585	3.4642	7.96949	5.10507	6.14345	4.36556	11.4995	5.16694	4.20525

MUM1	3.24025	4.16229	4.30255	3.87115	8.59065	5.29364	4.13229	2.45992	2.30086	2.42632	2.64728	3.17513	3.78434	3.67405	4.43255
MUM1L1	0.0322252	0.0362287	0.00898631	0	0	0.0731715	0.0306614	0.00954635	0.0392466	0.101115	0.109135	0.130662	0.166332	0.0364916	0.0231397
MUS81	2.06708	3.13924	3.21487	4.25185	5.97225	5.79419	2.42621	1.62395	3.20223	3.07177	4.39628	2.99359	5.21204	4.98256	4.54787
MUSK	0.199366	0.0640383	0.103081	0.0513631	0.0387105	0.183904	0.180207	0.14765	0.0101169	0.010426	0.0375099	0.0178314	0.0160787	0.0260493	0.0477191
MUSTN1	7.92548	1.69441	1.93501	0.409503	2.25905	22.2207	5.21611	2.28349	0.145342	1.13071	0.849397	0.652243	0.0552111	0.891568	3.08725
MUT	3.50183	3.36586	3.70496	4.40045	2.36824	5.48178	2.93071	2.87396	6.57133	4.28304	4.32962	2.7869	3.85398	2.82624	2.56585
MUTYH	1.34716	1.68692	1.3938	1.78387	2.08973	1.82641	1.56831	1.01166	1.07701	0.96823	1.38062	0.95784	0.886195	0.865374	1.60777
MVB12A	3.94554	4.55129	4.14427	9.179	12.082	10.6024	6.34713	2.92322	8.98485	6.19456	12.261	6.00201	6.71266	5.30686	4.85522
MVB12B	1.86925	1.36579	1.69365	1.18542	1.75491	3.04336	1.89971	1.38436	0.271016	0.429688	0.931401	0.438483	0.622894	0.679928	1.23899
MVD	3.40229	7.93217	8.04176	18.2885	16.3	21.4357	6.10441	3.11228	9.74431	18.0663	10.9314	9.08675	17.8988	10.1676	2.73837
MVK	3.36505	4.93378	4.40614	10.5296	13.3273	13.3871	5.19064	2.61427	22.5944	11.5517	16.3773	9.79856	11.9123	7.67552	2.33631
MVP	13.9254	12.2628	14.2934	40.8181	34.0403	56.6462	13.2616	10.3507	7.93708	22.3637	16.4702	16.1969	41.1743	19.8167	25.3053
MX1	3.58527	2.64448	2.04533	37.7807	5.50041	69.7911	1.89877	2.54567	1.61721	0.658714	0.956511	1.07682	1.7502	1.14346	4.77659
MX2	2.40732	0.971589	1.4225	7.10413	1.76043	21.23	1.67771	1.84074	0.390277	1.43224	3.34401	0.374699	2.30457	1.20506	4.9052
MXD1	2.761	2.76784	2.55342	18.4348	2.98936	7.15117	3.29356	3.64767	24.1344	31.2696	34.3647	18.7832	45.8977	19.8869	6.55145
MXD3	1.26472	1.57441	1.28116	1.45395	1.87607	1.08279	1.40238	1.05167	0.617026	1.26063	1.62058	0.960609	0.61266	1.09521	1.00245
MXD4	8.66101	9.44246	8.69745	12.6106	23.2388	15.9925	8.76831	6.06181	7.48529	7.72172	11.8407	6.35519	7.45204	7.01755	10.6413
MX11	5.84765	6.17285	6.90937	4.74503	2.68095	7.0192	5.96688	6.28023	20.0787	7.40756	10.3276	6.67981	4.62164	3.68068	3.19798
MXRA5	7.23708	11.4398	16.3661	6.48163	13.7044	7.29696	12.0129	12.9516	1.62006	9.23748	15.2966	3.80893	5.87362	6.48555	38.1124
MXRA7	6.14523	4.39867	5.60953	7.12789	4.58802	12.1351	7.78085	3.76975	2.25601	7.17531	14.3575	2.30554	9.61142	5.8675	7.83926
MXRA8	10.7724	6.2541	8.3089	7.06373	37.6819	35.1502	15.4484	7.62443	2.14584	13.3712	37.9183	4.21834	10.1878	15.2542	36.3654
MYADM	10.0115	10.1689	15.9934	11.0967	7.10233	13.3019	22.6724	9.54045	3.60475	22.9267	25.4895	12.553	53.3501	22.0673	27.3998
MYADML	0.0321878	0.0516953	0.0710081	0.0110568	0	0	0.0245007	0.00953529	0	0	0	0.00767708	0.00692248	0.00560759	0
MYADML2	0.0566306	0.0318331	0.0312326	0.0194532	0.0733058	0.0321468	0	0.0167762	0.0459798	0.0118462	0	0.00675345	0.0791652	0	0.121993
MYB	0.736194	0.669414	0.691457	0.524794	0.232152	0.29222	0.625682	0.772331	0.0539309	0.0416842	0.118724	0.233678	0.114283	0.0405018	0.0476963
MYBBP1A	5.39596	6.36766	5.9712	10.0549	12.8881	15.7708	7.66408	4.81552	5.15546	3.68179	2.8315	6.64665	9.75257	7.51591	5.28648

MYBL1	0.249617	0.137451	0.188063	0.197522	0.103859	0.288455	0.127234	0.182225	0.0434293	0.234971	0.332105	0.0956826	0.181183	0.319163	0.512116
MYBL2	0.533365	0.401537	0.468815	4.21684	0.828501	5.5634	1.23699	0.518449	0.943919	3.03334	3.99835	1.72333	6.23721	5.01766	1.46015
MYBPC1	0.252804	0.119037	0.1521	0	0.0535489	0.122306	0.0328004	0.137866	0	0	0.012972	0	0	0	0
MYBPC2	0	0.0123965	0.0266058	0.258514	0.0799314	0.0602463	0.0146882	0.0057164	0.0313348	0.00807307	0.0145223	0.00460241	0.00830004	0	0
MYBPC3	0.0439043	0.0317306	0.0544811	0.0509002	0.0511489	0.0514029	0.0187982	0.0341412	0	0.0137761	0.0495625	0.0157073	0.00354085	0.040156	0.0788151
MYBPH	0	0.00617424	0.0742076	0	0.0796216	0.141848	0.0146312	0.0341655	0	0.0643342	0.101262	0.00916914	0.00826787	0.00669744	0
MYBPHL	0.0168681	0.0487639	0.083727	0	0.026202	0	0.0385189	0.0449729	0.0821739	0.0211712	0	0.0482783	0.0544161	0.0617121	0
MYC	8.52873	9.77322	9.1067	24.5998	11.7442	24.3868	11.1358	8.17619	25.3731	11.8556	16.3413	18.9161	18.9745	15.0909	5.44372
MYCBP	1.84446	1.88636	1.29066	3.94074	0.208186	3.79315	1.74445	1.47126	2.95341	2.96206	4.7048	2.29535	3.75628	2.67465	1.73386
MYCBP2	27.5268	29.656	25.4786	13.424	20.2607	18.4994	22.0977	22.0378	41.6885	10.0161	8.4454	20.4654	8.10639	8.49709	10.2751
MYCBP2-AS1	0.402877	0.323521	0.444384	0.138392	0	0.266812	0.562212	0.397826	0.0545177	0.0561836	0.101066	0.288269	0.0577632	0.140374	0.385722
MYCBPAP	0.0798036	0.0629192	0.0840244	0.381294	0.247925	0.0617743	0.0828338	0.0838179	0.759863	0.0819505	0.278455	0.186878	0.0561697	0.0227503	0.0833513
MYCL	4.04337	5.34448	3.70073	5.36626	12.8302	4.01602	4.3871	2.8955	3.5296	3.20918	4.24258	3.81627	3.59799	1.47072	0.691445
MYCN	0.434218	0.132134	0.107134	0.36897	0.354995	0.609732	0.321819	0.203104	0.0556662	0.296397	0.799764	0.0981141	0.211345	0.143331	0.306326
MYCNOS	0.0115369	0.00555866	0	0.0237783	0.0179208	0	0.0131725	0.010253	0	0	0	0	0	0	0.0165685
MYCNUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MYCT1	2.63905	1.24589	1.74909	1.95938	0.708823	2.94651	1.29385	1.58836	0.583534	2.94955	6.13862	0.674786	3.06192	1.99142	3.64802
MYD88	5.00236	5.96923	5.65105	18.8686	9.22193	19.3696	5.40805	4.63183	14.6568	17.976	23.4071	10.1501	30.4548	14.7019	8.82677
MYDGF	8.89609	6.69465	7.86954	18.7438	14.8448	24.1497	11.8418	5.32292	11.9876	15.1177	30.6498	7.12168	19.336	12.0035	12.9973
MYEF2	0.594519	0.302804	0.43938	0.121683	0.140834	0.258047	0.324771	0.636729	0.0434771	0.0651444	0.0871865	0.0737116	0.106251	0.101636	0.289347
MYEOV	1.67031	1.52908	2.06501	0.124316	0.418013	0.616306	1.2714	0.511304	0.101712	0.0465869	0	0.0132794	0.107767	0.0533485	0
MYF5	0	0	0	0	0	0	0	0	0	0	0	0.0217888	0	0	0
MYF6	0.0173097	0	0	0	0	0	0	0	0	0	0.0195405	0	0	0	0
MYH1	0.0266454	0	0	0	0.0119432	0.0196405	5.59E-09	0	0	0.0144752	0.0043398	0.00558031	0	0	0.0143517
MYH10	4.78241	3.78814	3.54447	5.54302	7.38247	8.77148	4.67069	3.75471	3.04662	8.37138	5.70844	6.99143	10.5166	7.80224	9.70296
MYH11	31.6498	7.87213	10.1264	1.67663	20.5287	52.7624	32.6829	7.03795	1.14771	2.83324	3.28822	1.20735	4.05434	3.97068	20.8816

MYH13	0	0.00558278	0.00639038	0	0.0124236	0.0636072	0	0.00343251	0	0.0193905	0.0348807	0	0.00249195	0.0181676	0.0499211
MYH14	5.06595	15.7121	21.5149	2.20138	8.03546	2.55733	15.8836	8.4807	0.758466	0.785846	0.858003	4.42011	1.1579	0.659727	0.567403
MYH15	0.0883323	0.11034	0.167801	0.0472002	0.121965	0.0389997	0.108326	0.113392	0.0239064	0.0451677	0.0517047	0.0327725	0.0147756	0.0393268	0.0328887
MYH16	0.0816693	0.0491869	0.076008	0.0105203	0.0792879	0.00869255	0.151527	0.0544357	0.012433	0.0256259	0	0.0292183	0.0329329	0.0160065	0.0146609
MYH2	0.0160202	0.00362565	0.00313465	0	0.0118891	0.0128148	0.0171835	0.00683181	0	0	0	0	0	0	0
MYH3	0.367234	0.400745	0.443896	0.150097	0.338742	0.122906	0.293211	0.313238	0.0560165	0.0625389	0.0432687	0.189157	0.0544053	0.102165	0.187154
MYH4	0.0307805	1.94E-18	0	0.0118951	0.0119532	0.00982843	0	0	0	0	0	0	0	0.020109	0.0574689
MYH6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MYH7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MYH7B	0.182782	0.343801	0.293697	0.12316	0.70981	0.227469	0.309029	0.199928	0.0342474	0.0617644	0.0317444	0.138331	0.0362862	0.130435	0.191826
MYH8	0.0038329	0	0	0	0	0.00652733	0.00875256	0.00681273	0.00933608	0	0	0.00274254	0	0.00801296	0.00550453
MYH9	61.9201	62.9508	70.023	157.409	126.812	187.035	65.9235	44.5713	66.3038	98.0535	65.4974	105.692	298.92	125.381	135.194
MYHAS	0.0822342	0.093394	0.0971856	0.0847447	0.0821173	0.0900274	0.0871857	0.0991839	0.00715371	0.0589785	0.0464161	0.0420291	0.00757958	0.0429792	0.0506137
MYL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MYL10	0	0	0	0	0	0	0	0	0	0	0	0.0328235	0	0	0
MYL12A	34.1618	25.9623	29.5032	81.8211	15.5845	75.8618	22.3366	24.9907	67.8389	78.8647	122.925	35.3104	87.4929	48.0836	42.1428
MYL12B	64.993	50.3091	49.0599	128.048	31.7685	94.9386	42.574	43.8591	167.738	174.62	249.205	93.2307	147.746	88.2435	53.0713
MYL2	0.0837505	0	0	0	0	0.0237708	0.0318745	0.0248102	0	0	0	0	0	0	0
MYL3	0.323853	0.276066	0.267914	0.231051	0.773932	0.742422	0.255991	0.199256	0.0606795	0.156334	0.309345	0.0534752	0.0482189	0.1953	0.751306
MYL4	0.0243868	0.0117499	0.0403489	0.0753938	0.0757622	0.04153	0.0556881	0	0.0594007	0.336687	0.605652	0.0174494	0.0629369	0.0254912	0.14009
MYL5	2.0706	2.43581	2.55514	2.36164	3.73449	3.9217	1.91573	1.69932	2.0525	2.72302	3.35399	2.31889	1.36177	1.60893	0.960374
MYL6	192.411	142.367	136.311	501.54	319.896	389.029	171.38	100.296	435.6	731.737	1202.1	346.982	629.545	356.495	262.068
MYL6B	5.43774	3.11254	3.40086	6.81417	7.1966	12.2792	3.60101	2.78359	3.89407	6.55193	13.9959	3.89086	4.21009	3.66051	4.06084
MYL7	0	0.0373557	0.0962089	0	0	0	0	0	0	0.0486548	0	0	0	0.0405212	0
MYL9	59.9948	15.2493	19.8972	21.2198	61.4758	147.403	87.1768	20.6878	15.588	60.6406	170.998	13.0317	29.5765	41.33	109.562
MYLIP	4.95869	3.85971	4.17075	4.11601	3.6991	5.69812	4.41404	3.40226	2.17519	2.78079	4.1345	1.93041	2.84438	2.52861	4.57798

MYLK	9.88245	3.07233	4.05859	4.39063	6.25633	12.2913	7.02576	3.72079	7.63093	8.56161	13.9183	2.83371	4.87315	7.01201	10.7331
MYLK-AS1	0.408145	0.616451	0.583939	0.164678	0.454278	0.108529	0.642429	0.344012	0.0386092	0.161468	0.327269	0.17984	0.0592655	0.425135	0
MYLK-AS2	0.324003	0.0669041	0	0	0.143797	0	0.26424	0.287947	0	0	0	0.132476	0	0.0725734	0.199418
MYLK2	0.0414305	0.0359313	0.0137097	0.00853906	0.0514846	0.0493885	0.0378432	0	0.0605492	0.0207998	0.0467698	0.0533603	0.0801921	0.0476374	0
MYLK3	0.0028206	0.0135933	0.011667	0.020347	0.0175255	0.0168119	0.0161024	0.0100269	0.0171759	0.00708029	0.00636822	0.00807287	0.00727936	0.00294834	0.0324059
MYLK4	0.332641	0.322828	0.357102	0.150219	0.121663	0.373502	0.437894	0.180657	0.216002	0.253835	0.181095	0.207424	0.0805345	0.2031	0.260382
MYLPF	0.272271	0.0954068	0	0.0510152	0.0768966	0.10538	0.226088	0.153982	0.0904352	0.0310662	0	0.0708427	0.0798491	0.0258729	0.142188
MYMK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MYMX	0.137266	0.0529095	0.136267	0.0282913	0.0852886	0.0935042	0.188071	0.0487962	0	0	0	0	0	0.0143482	0.118279
MYNN	2.35441	1.88026	1.92633	1.70196	0.455477	1.54578	1.42779	2.13456	2.17944	2.19192	3.04726	1.20949	1.96697	1.60012	1.54199
MYO10	4.3006	4.75879	5.18924	6.6854	5.00709	7.58586	4.31384	4.06854	2.92706	3.75856	3.15199	3.22497	8.07988	4.86257	4.45478
MYO15A	0.0585258	0.061097	0.0484167	0.0201042	0.033334	0.101329	0.118054	0.079753	0.00475186	0.00734559	0.00880911	0.0181466	0.00755211	0.0224313	0.0868521
MYO15B	2.1714	2.04334	2.09539	1.49263	6.02984	4.40023	2.34627	1.98151	0.596865	0.612059	0.498466	1.02423	0.493082	1.44934	6.04867
MYO16	0.0707362	0.131882	0.203541	0.0190163	0.0573275	0.0445185	0.0983218	0.0464651	0.0074912	0.169842	0.045134	0.0836226	0.0238115	0.165561	0.0706686
MYO16-AS1	0	0	0	0	0	0	0	0	0	0.0531022	0	0.0302733	0	0.132675	0
MYO18A	7.59941	12.1824	11.8666	13.8524	24.1704	15.2868	13.9084	8.50524	13.6572	10.5302	4.19894	14.8146	23.9557	11.4822	8.60881
MYO18B	0.0215861	0.00260013	0.0022322	0	0.00419134	0.0574385	0	0.00959199	0.00657238	0.0033866	0	0	0.00174091	0.0310251	0.0116252
MYO19	8.98792	9.05	8.56388	9.53274	8.98964	9.51633	9.60364	7.27041	10.1353	8.30581	5.64958	9.69163	11.2744	8.6908	4.63534
MYO1A	0.107231	0.0455874	0.0730548	0.0065003	0.0195962	0.0429676	0.144039	0.050452	0	0.0158337	0	0.01354	0.0406971	0.0197802	0
MYO1B	8.26476	6.14573	4.63171	25.064	8.76615	18.5127	6.75329	6.05558	37.3987	26.1305	26.7131	13.8114	67.6993	20.0559	21.7635
MYO1C	14.9666	14.485	14.4755	28.1535	27.5892	35.2623	20.4601	12.2219	22.5434	32.1978	18.9373	25.718	50.5971	23.606	25.0563
MYO1D	12.8572	9.45113	10.6854	17.5267	13.7847	19.5038	12.9709	10.2837	19.5889	19.1643	17.7269	11.6549	24.2205	12.9886	15.9369
MYO1E	8.81338	9.86977	12.0119	16.4613	9.82094	12.0434	10.5024	8.22705	28.2573	18.8038	13.1446	14.6248	31.0149	14.0058	12.7287
MYO1F	1.20901	0.737499	1.04147	3.73776	2.6964	4.16031	0.835841	1.08925	0.310697	2.96525	4.44508	0.345237	3.26331	1.5681	4.72301
MYO1G	0.712854	0.70053	0.85831	2.16748	1.54585	3.93038	0.693035	0.978514	0.26647	2.0906	2.28669	0.600969	3.2104	1.55298	2.61512
MYO1H	0.309806	0.387576	0.103417	0.728146	0.633205	0.601639	0.155143	0.154571	1.37023	0.477521	0.589023	1.24449	0.185858	0.50848	0.421504

MYO3A	0.0320098	0.00771139	0.00662018	0.00412337	0	0.00340699	0.0137054	0.0142238	0	0.00502194	0.0180675	0	0	0	0.0114925
MYO3B	0.0727197	0.103361	0.11731	0.0674458	0.44054	0.120744	0.141149	0.0937095	0.079708	0.342265	0.246275	0.153497	0.0492643	0.108319	0.313304
MYO5A	7.45505	6.10665	5.60194	12.6164	5.06376	9.59589	6.15152	5.67312	12.3577	20.096	9.84095	13.3945	27.4739	10.8354	8.91465
MYO5B	3.95743	4.09739	4.24891	7.71491	5.07706	4.1031	5.88097	4.7637	15.2725	10.0017	4.57446	8.82357	15.3286	6.41137	2.77202
MYO5C	5.14734	2.26721	2.09938	1.4042	1.46625	2.7436	2.06629	2.31331	1.51244	1.28788	0.634269	1.90209	1.43929	1.02933	1.88954
MYO6	6.70377	5.49527	5.84795	5.50756	3.67862	5.26812	5.44141	5.80209	17.6631	9.46239	6.56911	7.93816	11.5562	5.56415	3.49289
MYO7A	0.229415	0.118004	0.17953	0.383383	0.520095	1.23806	0.520338	0.236948	0.0188785	0.221791	0.311478	0.0665485	0.16802	0.21064	0.578798
MYO7B	0.203342	0.122882	0.168219	0.0781371	0.128485	0.0498886	0.165273	0.128643	0.0125922	0.0302797	0.0116719	0.0394567	0.0333547	0.104474	0.519705
MYO9A	5.55561	5.99326	6.51979	4.10198	2.95099	4.74412	4.76045	4.63942	3.76867	4.77214	4.30421	3.9809	4.95609	4.56956	4.66562
MYO9B	5.47382	5.21327	5.51038	8.55682	10.4505	11.669	7.71959	4.10381	3.26854	9.16027	6.29575	5.88481	15.7804	7.95423	11.6105
MYOC	1.15432	0.327159	0.524279	0.0349872	0.017579	0.780531	1.65392	0.452588	0	0	0	0	0	0	0
MYOCD	0.960623	0.130903	0.199506	0.0660195	0.144785	1.85031	0.530998	0.238992	0.00658235	0.193329	0.281684	0.0657429	0.181329	0.400187	0.530852
MYOD1	0	0	0	0	0	0.0109114	0	0	0	0	0.043398	0	0	0	0
MYOF	22.1352	25.5061	22.6036	35.8909	24.7328	44.6414	19.0564	19.0371	18.1808	24.8442	18.7657	18.9673	30.9328	21.6838	30.5263
MYOG	0	0	0.012489	0	0.0234502	0.0257091	0.0344736	0.0134166	0	0	0	0.021604	0	0.0157803	0
MYOM1	0.862867	0.398579	0.45842	0.0897368	0.418085	0.512283	0.822503	0.249752	0.0626669	0.243424	0.236815	0.0509784	0.0331988	0.130327	0.773071
MYOM2	0.0738952	0.507355	0.469947	0.199897	0.33718	0.20056	0.606418	0.147762	0.174367	0.104339	0.166837	0.185059	0.0089394	0.0265518	0.106123
MYOM3	0.275322	0.355668	0.505047	2.17936	2.15695	2.86077	0.350801	0.617029	0.296435	1.90307	1.25673	1.26766	2.38136	1.17202	1.20338
MYORG	1.47584	1.47061	1.36054	1.64301	1.94109	1.3117	1.02498	1.04992	2.67206	1.33404	0.733706	1.241	3.64896	1.54831	1.13452
MYOSLID	0.237608	0.0915867	0.0786265	0.465238	0.110726	0.323713	0.217035	0.0422333	0.14469	0.536801	0.992452	0.187017	0.551893	0.496738	0.0341236
MYOT	0.264841	0.0834337	0.067414	0.0209944	0.0632908	0.138775	0.127933	0.190106	0.0124056	0.0255695	0.011499	0.0072885	0	0.0159713	0.0146287
MYOZ1	0.321634	0.10566	0.0120945	0.0451982	0.090838	0.385904	0.233693	0.0389784	0.0534156	0.146794	0.115527	0.0418433	0	0.145177	0
MYOZ2	0.133672	0.0729925	0.0737218	0	0	0.0455279	0.132273	0.0871174	0	0.0111848	0	0.00637639	0	0.0186301	0.012798
MYOZ3	0.0422208	0.031967	0.0199589	0.0372941	0.0468454	0.138666	0.0826395	0.0696844	0.0220372	0.0302809	0.0544709	0.0172629	0.0233491	0.0598947	0.00866207
MYPN	0	0.00172905	0.00296876	0.0961528	0.0167231	0.018334	0.00409738	0.0159464	0.0568171	0.0180164	0.03646	0.0231098	0	0.0225069	0.0257686
MYPOP	1.50853	2.41096	1.96833	2.06014	4.76274	5.17974	2.18449	1.61315	2.40482	1.89336	3.82124	2.52736	2.49259	2.59603	1.93747

MYRF	0.231585	0.319866	0.367201	0.095462	0.263803	0.354945	0.339334	0.15779	0.0282044	0.0532882	0.0566433	0.0966614	0.0647475	0.205762	0.277154
MYRFL	0.0889547	0.0535747	0.0613247	0.0229176	0.0115148	0.0694318	0.0931018	0.0988194	0.23473	0.0465197	0.200838	0.159124	0.0143483	0.0038743	0
MYRIP	1.93257	0.650753	0.578426	0.223772	0.870226	1.06869	1.04625	1.0691	0.0423128	0.14717	0.313762	0.170908	0.120485	0.297339	0.212054
MYSM1	5.41335	4.42123	4.62372	4.1571	1.20324	3.46529	3.3132	5.39874	2.19883	3.30554	3.12108	2.77341	2.96598	3.80244	3.79086
MYT1	0	0.00201458	0.006918	0.00430887	0.0194846	0.0106808	0	0	0	0	0.00944015	0.00299177	0	0	0
MYT1L	0.00282405	0	0.00233625	0	0	0	0	0.00250978	0	0.00354447	0	0	0	0	0
MYT1L-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MYZAP	4.40134	1.88979	1.97762	7.24486	6.33933	2.39556	3.43622	1.97958	23.0048	9.3944	7.6927	10.4564	11.4158	3.46437	2.00451
MZB1	0.391781	0.134833	0.138904	0.144193	1.73877	0.119142	0.19171	0.770975	0.0340818	0.386355	0.189545	0.0400471	0.577771	0.0438775	0.0803781
MZF1	1.72262	2.94307	2.70845	2.50973	6.84437	2.74277	2.33431	1.68277	1.9518	1.59305	1.05774	2.64592	1.47598	2.89441	2.15203
MZF1-AS1	0.173873	0.458007	0.262857	0.325976	0.839693	0.381432	0.29361	0.276343	0.76495	0.164967	0.288113	0.452902	0.207784	0.450314	0.266139
MZT1	1.08423	0.882993	1.08746	1.58206	0.0745215	1.33171	0.635403	1.27055	0.853048	1.37286	2.81619	0.611025	2.11719	1.25369	0.881893
MZT2A	10.1616	8.67539	7.66693	28.7927	20.0098	29.9162	8.6142	5.64442	10.4235	24.2489	60.3727	11.4305	28.8911	17.8503	4.97726
MZT2B	20.6773	13.8303	14.1826	33.1365	35.8378	36.8246	16.1553	7.89508	21.1173	37.0723	64.5933	22.3892	28.508	24.5571	12.5557
N4BP1	6.43876	9.4277	9.19019	16.6135	9.22253	12.1103	7.38131	7.29389	19.1143	9.58556	9.10683	9.54279	14.2804	7.75846	5.45832
N4BP2	2.60913	2.53933	2.48222	1.83083	0.803211	1.62989	1.31889	2.82889	1.8488	2.20003	2.23314	1.45448	2.00781	1.57191	1.82584
N4BP2L1	1.62382	1.53458	2.02896	0.710075	0.5389	1.07495	1.0728	1.94414	0.181919	0.38705	0.603778	0.21376	0.289122	0.360122	0.927269
N4BP2L2	8.99619	9.29583	10.1234	6.4002	1.6056	5.33675	5.24577	8.25975	5.17945	5.33772	5.84912	4.11482	4.24727	5.11384	6.48499
N4BP2L2-IT2	4.32098	2.93703	3.14394	1.48755	0.668992	1.14851	2.356	5.36272	0.489934	0.867249	0.507553	1.18524	0.0946595	1.45691	1.68561
N4BP3	1.13261	1.95374	2.14256	1.48587	3.74683	1.85639	1.76101	1.24704	2.38686	1.11103	0.706923	1.10636	1.4216	1.04248	1.65432
N6AMT1	1.01991	1.10567	1.25321	1.19016	0.419368	1.03447	0.822003	0.946404	0.639337	0.640048	1.91328	0.600992	0.977388	0.776061	0.796983
NAA10	7.53494	6.60266	5.97657	18.5592	15.37	22.7376	7.68138	4.58081	12.2777	11.8734	21.7558	10.5016	17.9368	11.414	8.44288
NAA11	0.0152659	0	0	0	0	0	0.0174301	0.0271341	0	0	0	0	0	0	0
NAA15	4.88525	4.47498	4.63535	8.28294	1.32029	5.46316	2.25186	4.63129	5.99994	5.12166	4.76028	4.25722	9.40257	7.1465	3.97011
NAA16	2.25282	1.88921	1.94707	1.39711	0.673263	1.23163	1.44434	2.14544	1.55905	1.1639	1.26873	1.55786	1.36246	1.38288	1.39691
NAA20	10.99	9.15136	8.7182	23.778	5.96006	20.0608	10.2484	7.77649	26.0078	32.9912	39.8054	19.6529	43.7752	20.2351	10.3724

NAA25	4.95951	3.62363	3.95809	3.36903	1.69274	2.91238	3.34216	4.41113	2.28624	2.52582	2.6624	2.91975	2.70974	3.54615	3.02149
NAA30	2.5703	2.42699	2.7253	2.60613	2.0726	3.06049	1.9722	3.35057	5.18364	3.45967	4.29102	2.17956	4.0174	2.53264	1.81964
NAA35	3.78897	3.15178	3.24633	2.65855	1.85492	3.41809	2.29811	3.02024	2.73029	2.60636	2.17042	2.22208	3.43311	2.48269	2.34051
NAA38	5.30685	3.62464	3.93082	7.75755	8.35454	9.12625	5.52312	2.97829	7.26315	7.88218	18.9291	4.16279	4.82757	5.76146	4.4717
NAA40	1.37607	1.84265	1.64105	2.1793	2.70197	3.54557	1.48954	1.23882	0.587654	1.53272	1.62066	1.21052	1.36442	1.93653	1.82222
NAA50	7.60042	6.12021	6.43989	13.4538	2.87709	11.1356	4.5127	8.33733	10.757	10.0626	10.9976	7.70987	19.2858	9.24467	6.24801
NAA60	3.43859	3.49023	3.78905	5.66829	5.67448	8.39488	5.39539	2.98215	6.81682	5.03652	8.20869	4.17327	7.09766	4.01739	5.87225
NAA80	1.79567	2.19909	2.41982	1.77042	2.87214	3.38614	2.91657	1.53488	2.56687	1.70644	2.59978	3.13839	2.35249	1.73229	1.41362
NAAA	2.25512	1.80521	2.02681	1.53101	2.13305	3.42208	2.76404	2.09358	2.10491	1.50063	3.94223	0.94419	1.79487	0.863085	1.64907
NAALAD2	0.535853	0.230271	0.431314	0.126859	0.0449927	0.400779	0.173624	0.353948	0.0705523	0.0908852	0.122617	0.0621757	0.158849	0.166522	0.363978
NAALADL1	0.275615	0.186744	0.235133	0.310657	0.508399	0.528036	0.34419	0.0995084	0.0419585	0.291874	1.21537	0.0554653	0.272295	0.247583	0.71742
NAALADL2	1.23442	0.667406	0.78344	0.223347	0.153691	0.489441	0.602501	0.850005	0.114762	0.141923	0.319124	0.111251	0.0942356	0.125585	0.493944
NAALADL2-AS1	0	0	0.0516053	0	0	0	0	0	0	0	0	0	0	0	0
NAALADL2-AS2	0.0286779	0.0414523	0	0	0	0	0.130974	0.0254865	0	0	0.0323738	0	0	0	0
NAALADL2-AS3	0	0	0.0469254	0	0	0	0	0	0	0	0	0.0405869	0	0	0
NAB1	9.82497	13.1777	13.7409	8.37694	11.4071	8.20293	9.90764	8.97756	8.16513	12.1103	14.1481	11.5353	13.7401	13.5083	8.59454
NAB2	4.50741	6.99221	7.4647	6.88828	11.0593	13.4331	4.62006	4.5141	11.0309	6.32153	6.96745	3.75656	4.57149	5.51462	3.48179
NABP1	1.22169	1.41049	1.48741	11.3369	1.477	7.48301	0.973793	2.09978	3.34774	6.89288	8.28135	5.49229	6.71117	7.4363	6.91043
NABP2	6.14505	3.66118	3.21143	7.93284	4.43912	16.1333	5.60166	3.28847	5.83429	6.57236	13.0535	4.16055	9.3257	7.07086	5.17168
NACA	52.2861	45.1611	44.6891	74.7796	14.9923	68.8268	26.9691	32.8984	79.6784	61.5645	105.382	44.08	53.9112	41.6553	22.511
NACA2	0	0	0	0	0	0.0511844	0	0	0	0	0	0	0	0	0
NACA4P	0	0.0317231	0	0	0	0	0	0	0.0400934	0	0	0	0	0	0
NACAD	0.330546	0.199077	0.249323	0.135253	0.505901	0.509103	0.660461	0.207361	0.0236804	0.30505	0.422532	0.170429	0.335581	0.546219	1.17978
NACC1	4.87033	5.05993	5.51818	12.8364	12.1428	13.4001	6.82913	4.34662	12.3766	8.88835	7.37904	8.28342	18.8539	9.4453	6.95748
NACC2	2.31464	2.49714	2.57531	2.89348	6.02887	7.64075	3.06409	1.4787	2.50031	3.25878	2.7682	2.37867	5.92596	3.86062	4.19609
NADK	4.66661	4.15863	4.09202	8.52469	9.43014	9.69573	5.05095	3.06826	9.8688	5.85709	6.92475	5.11444	8.47053	6.11406	5.20835

NADK2	2.42705	1.89189	2.16405	2.07189	1.00074	3.23467	1.29361	2.19644	1.08224	1.67994	2.6646	1.03323	1.71284	1.66326	1.80259
NADSYN1	7.21911	8.74617	5.77518	16.5377	25.3567	12.3913	8.10118	5.32388	26.0746	18.1334	12.9876	16.8457	17.8813	12.0856	7.54998
NAE1	5.87015	4.64029	5.32485	9.22935	1.29192	8.26219	2.68369	4.80982	6.13624	5.94555	7.51113	3.77764	9.55785	5.30441	4.44883
NAF1	3.0217	3.04197	3.26956	3.33049	2.9064	3.63791	3.90705	2.47203	2.59556	1.63255	2.7899	2.2337	2.93083	2.38983	1.9255
NAGA	2.6025	2.39713	2.77472	4.42939	3.4444	7.50484	3.38278	2.2577	1.65664	3.41452	6.69623	1.40884	4.70476	2.68141	5.58399
NAGK	7.28599	11.3241	9.31236	16.4869	31.518	18.5242	7.86413	6.30386	25.5722	22.9664	28.6203	19.971	22.8827	10.9875	10.519
NAGLU	3.4856	2.36481	2.80783	3.77204	5.1559	6.89923	4.1982	2.21054	1.39814	3.03834	5.46553	1.56547	4.26699	3.07824	4.0978
NAGPA	1.56103	1.49416	1.61208	2.55878	4.26377	3.40774	1.84214	1.07075	1.46734	1.32808	2.38903	1.16943	2.74436	1.67005	1.4745
NAGPA-AS1	0.037418	0.1262	0.0309548	0	0.116246	0.0477914	0.106807	0.0665081	0.0227855	0.0704452	0.0633604	0.0535472	0.0724258	0.0293344	0.107474
NAGS	0.435608	0.258317	0.341885	1.2201	0.867499	1.21736	0.153035	0.258088	0.925011	3.33647	4.89225	1.81419	2.77449	2.05485	0.802035
NAIF1	0.987564	0.807259	0.907132	1.15107	1.48113	1.45562	1.01092	0.55081	0.837772	0.880468	0.938001	0.828461	1.31389	0.975334	1.00746
NAIP	4.61432	4.37915	4.96402	3.98388	1.1272	4.1618	3.03549	3.90995	0.63806	2.5036	3.69915	1.2387	1.49696	2.7314	6.15001
NALCN	0.336449	0.111901	0.151541	0.0101344	0.127299	0.183813	0.284451	0.282332	0.0039923	0.0288	0.0333046	0.0117277	0	0.00342651	0.0282462
NALCN-AS1	0.076139	0.0201799	0.020981	0	0.0378944	0.0148586	0.0557076	0.0801267	0	0	1.48E-31	0	0	0	0
NALT1	0.593412	0.204225	0.385716	0.262083	0.395046	0.324824	0.0967912	0.452036	0	0.159598	0.287095	0.151644	0.191433	0.199378	0.121745
NAMA	0.0414564	0.00998717	0.0771653	0	0	0.088249	0.0236668	0.0644753	0	0.013008	0.0116998	0.0074158	0	0.0487506	0.0744208
NAMPT	8.98745	5.59359	6.52395	57.8617	2.22867	37.2397	3.59357	13.1864	12.1455	27.2271	38.7693	9.04427	37.9928	14.7756	31.1904
NANOG	0.825627	0.911179	0.973461	0.181452	0.223718	0.197437	1.08043	0.863285	0.0410687	0.0414364	0.0993842	0.198386	0.0639021	0.230063	0.142238
NANOGNB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NANOGP8	0.0810412	0.111563	0.0383103	0	0	0	0.0132186	0.0205779	0	0	0	0	0	0	0
NANOS1	0.547321	0.621795	0.610065	1.66834	0.581701	2.26641	0.453885	0.614417	0.378896	1.1208	1.39831	0.469948	2.36782	1.09905	0.595722
NANOS2	0	0.00712959	0	0	0	0.0125997	0	0	0	0	0	0	0	0	0
NANOS3	0.0425033	0.174069	0.0351617	0	0.165056	0.126669	0.0485289	0.0188867	0.0258821	0.106692	0.167933	0.0760306	0.0137115	0.133285	0.1526
NANP	1.0539	0.657476	0.745866	1.09235	0.208181	1.33829	0.632951	0.860819	0.600957	0.802823	1.43041	0.527427	1.21058	1.01247	0.778635
NANS	6.30835	3.84878	4.75551	12.6172	6.87093	15.5105	4.96515	3.31736	6.52361	11.4548	15.6543	5.38183	16.0155	8.11574	8.20187
NAP1L1	11.5418	7.91464	8.83827	13.6782	3.7161	12.9436	5.3993	10.4521	6.6098	11.6002	16.317	5.49947	13.6109	11.3387	10.7658

NAP1L2	1.15985	0.84908	0.989262	0.342826	0.321224	0.505282	0.657007	0.958863	0.372304	0.0677084	0.162397	0.154401	0.150826	0.0375931	0.16786
NAP1L3	0.511866	0.194065	0.26379	0.155654	0.273724	0.607328	0.306587	0.305755	0.0919763	0.358084	0.738868	0.0540374	0.140764	0.0438563	0.614595
NAP1L4	12.1046	12.8556	11.8462	25.7723	18.203	22.8756	8.51066	9.00956	17.2942	24.9633	24.9117	15.0469	29.2646	17.2066	12.0643
NAP1L5	1.51431	1.42084	1.66483	0.995872	0.804716	1.21307	1.71762	2.08952	0.643064	1.16288	1.15839	1.0265	0.462802	1.03096	1.05876
NAP1L6	0.0339673	0.0109106	0	0.0466724	0.0351753	0.0867681	0.116348	0	0	0	0	0	0	0	0
NAPA	20.9531	23.08	20.3398	39.6974	36.9155	63.0066	28.8392	18.8867	83.8754	40.4789	57.4356	41.9064	47.1406	25.5887	15.6175
NAPA-AS1	0.423348	0.594929	0.729633	0.508985	0.876809	0.330436	0.684768	0.595708	0.171864	0.132836	0.27878	0.302917	0.500761	0.258137	0.506652
NAPB	1.78207	1.78618	1.59259	1.63993	0.925808	1.72041	1.082	1.46722	0.885566	1.25673	1.27163	1.12159	1.03826	1.4111	1.15553
NAPEPLD	1.58184	2.10632	1.91967	1.599	1.31575	1.24569	1.54993	1.98984	1.47975	1.07742	1.66217	1.33083	0.995327	1.16254	1.33613
NAPG	4.14893	2.95951	2.97877	4.39115	1.52893	3.90407	2.36856	3.89207	4.44597	5.30898	5.20403	3.65512	6.77658	4.42148	4.07962
NAPRT	6.55018	8.47917	9.08371	19.8582	29.3418	19.0003	9.80624	5.50723	15.5576	13.2527	12.6103	17.1525	19.9294	13.0545	5.01571
NAPSA	0.120865	0.364044	0.295875	0.0460713	0.300927	0.152268	0.0524683	0.164908	0.0725966	0.0187037	0.139682	0.120459	0.0576888	0.0856737	0.0856055
NAPSB	0.972521	0.673216	0.8925	1.32697	0.94603	0.503763	0.574499	0.565196	0.233114	0.633354	1.70301	0.158161	1.67281	0.0818497	2.14912
NARF	4.06447	5.97133	5.88881	8.43435	6.31353	12.4723	5.99737	3.76019	7.07342	7.0248	9.97894	5.83233	10.3461	6.34961	5.24701
NARS	13.797	11.7306	12.1088	21.552	9.73701	25.2636	9.14003	10.7038	14.1863	18.5332	23.3991	12.2477	28.9463	18.6521	11.1368
NARS2	2.2601	2.2443	2.40174	3.02972	2.35475	3.73154	1.94063	1.48603	1.33152	1.69507	2.60323	1.52512	2.25845	1.92069	1.68886
NASP	6.27977	4.67911	4.84019	9.2181	4.64249	10.4308	3.05912	4.28101	3.63989	4.72198	6.15231	3.73357	8.14425	6.35836	5.77672
NAT1	0.260201	0.265066	0.227557	0.497984	0.265606	0.797609	0.212207	0.211424	0.271625	0.737137	1.4435	0.244695	0.628353	0.586711	0.523155
NAT10	5.63539	6.41268	6.98822	9.97405	6.49412	12.6642	7.29089	5.97531	3.613	3.46464	4.2088	4.99934	7.1943	6.14817	4.51537
NAT14	0.68572	0.594703	0.567276	1.20131	3.59492	2.20415	0.99824	0.533235	0.542834	1.14036	4.85743	0.539716	1.59272	1.21852	1.52641
NAT16	0	0.0113976	0.0195696	0.00812592	0	0.00671414	0.0360122	0.0140154	0	0	0	0	0.00508749	0	0
NAT2	0.0351451	0.0169334	0	0	0	0	0	0.015617	0	0	0.0595117	0	0	0	0
NAT8	0.0862742	0.0623523	0.107058	0.044454	0	0.0183653	0.0246263	0.0766733	0	0	0	0	0	0.0112727	0.0619503
NAT8B	0.0278162	0	0	0.0286654	0	0.142111	0.0635192	0	0	0.104736	0.188406	0	0	0.0726897	0.0399475
NAT8L	0.0788385	0.148144	0.143486	0.134055	0.226557	0.265163	0.229539	0.101594	0.0672115	0.00989505	0.0133498	0.0225644	0.0178032	0.0206022	0.0452888
NAT9	2.79775	3.09368	3.42297	4.24189	6.89346	6.3709	2.19078	2.03866	2.10185	3.33656	3.54553	2.6308	2.96008	4.21859	2.90953

NATD1	2.03136	2.29305	2.09261	2.32764	4.65799	4.7978	3.1753	1.97724	2.20891	2.10036	1.89459	2.00721	2.73671	1.9085	3.47297
NAV1	5.31075	4.6461	4.72395	10.7534	5.95405	11.5532	6.94018	3.61586	4.97427	7.20848	5.95594	8.20582	13.5537	8.71087	9.95212
NAV2	4.95162	2.03706	1.49227	2.52429	3.3555	4.67606	3.75435	2.47744	2.90295	2.87455	1.79546	2.94204	2.08432	2.66849	1.79346
NAV2-AS2	0.403395	0.253443	0.330161	0.158537	0.297179	0.0402815	0.333711	0.150784	0.0452772	0.14604	0.0419357	0.067151	8.59E-28	0.189853	0.323683
NAV2-AS4	0.202861	0.0977415	0.0839104	0.0522635	0.0525188	0.0719723	0.34743	0.135214	0	0	0	0	0	0.0176707	0.121389
NAV2-AS5	0.203009	0.121423	0.121614	0.00721403	0.0869913	0.137096	0.383651	0.118205	0.0170512	0	0	0.0200357	0	0.0365867	0.0100533
NAV3	1.16351	0.847706	1.04438	3.49031	0.662202	1.42391	1.17249	0.914719	1.54037	2.92952	1.97815	2.06614	3.29142	1.39223	0.987687
NAXD	4.4313	5.68829	5.77309	5.25824	9.98584	7.5051	5.05027	3.92379	6.01727	5.54146	5.86958	5.17845	6.1146	4.91092	4.41293
NAXE	10.3844	7.28126	7.70263	16.1479	14.0782	21.7803	11.8095	5.76113	16.3934	15.8838	25.7061	12.9994	16.5435	10.8871	8.50922
NBAS	6.07107	5.80435	6.18172	6.57998	4.29423	6.06014	5.55987	5.36722	4.47105	5.47905	6.15206	4.17839	5.52263	4.80835	5.71851
NBAT1	0.161346	0.0728802	0.0834229	0.124704	0.0939847	0.120211	0.0690823	0.152353	0.036844	0.151879	0.683023	0.07937	0.0845809	0.305683	1.27442
NBDY	2.43457	1.99742	2.32141	3.99004	2.20221	2.39769	1.76383	1.88558	4.23916	4.47914	6.71076	2.76341	2.76304	1.81919	3.35593
NBEA	1.71973	0.770898	1.06402	0.351042	0.561204	1.62254	0.773155	1.08985	0.0402293	0.158061	0.188776	0.0546566	0.209125	0.111137	0.753081
NBEAL1	3.80948	4.68161	4.96288	4.23647	1.23826	2.93045	2.86761	3.37874	2.38355	3.6942	2.66217	2.84096	2.98866	3.98734	4.41781
NBEAL2	8.1137	11.6382	11.2709	12.1193	30.4965	12.6812	16.8008	10.8826	17.9944	19.8274	7.85722	26.096	21.557	17.0445	9.78868
NBEAP1	0.211159	0.0203479	0.0698743	0.0435211	0.852808	0.251719	0.0964379	0.112596	0.154301	0	0	0.30218	0.217982	0.0662166	0.363902
NBL1	13.0863	20.6729	25.5727	27.3588	65.8122	39.9092	19.3874	13.0711	14.5538	27.5951	32.0747	14.9352	38.8353	26.3755	36.2667
NBN	4.02702	2.8278	3.31523	4.54879	0.989286	4.91821	2.05843	3.59629	2.46416	3.93524	5.10458	1.87538	4.96571	3.61793	4.0103
NBPF1	6.52728	4.59262	4.86571	1.93309	6.1263	7.11818	5.12747	4.23024	1.03633	3.03223	3.49227	1.06855	2.1041	3.13496	4.25188
NBPF10	6.18693	8.52409	8.63612	5.19507	6.82202	6.63642	7.60194	4.82831	4.94602	5.41055	3.06713	6.50432	4.97591	6.41247	4.7794
NBPF11	2.81195	2.70399	2.80386	1.30449	2.00982	1.81266	2.34743	1.80322	0.845011	1.28078	0.998526	1.07848	0.91463	1.22985	1.97335
NBPF12	3.88894	3.59004	4.17894	1.58384	3.44864	3.45252	2.96951	2.84004	0.502945	1.29794	0.915988	2.05224	0.8961	1.98675	2.55268
NBPF13P	0.0402838	0	0.0499884	0.0207568	0	0.0171506	0	0	0	0	0	0	0	0.010527	0
NBPF14	1.4986	1.14876	0.707322	0.740636	1.49655	0.913482	0.722281	1.1328	1.15057	1.01766	0.877324	0.971571	1.2736	1.17648	0.826147
NBPF15	8.72692	9.27905	8.93872	5.63512	8.98888	6.62947	9.19006	6.32921	4.89094	7.23744	7.85266	8.28305	8.28958	7.78388	9.73301
NBPF18P	0	0.188806	0.0381386	0.0237546	0	0.0196275	0.0789561	0.061457	0	0.202518	0.0520431	0.065974	0.0446169	0.0481895	0

NBPF19	0.00024491							0.00018026					0.00011768		
	7	2.74E-05	1.71E-05	3.15E-05	3.60E-05	2.10E-05	1.37E-05		0.00612165	2.01E-05	1.32E-05	2.76E-05		0.00225856	4.78E-07
NBPF20	0.174599	0.18013	0.151147	0.123442	0.0647079	0.133793	0.195218	0.220003	0.123343	0.141229	0.0876589	0.151336	0.11136	0.179522	0.0886492
NBPF22P	0	0	0	0	0	0	1.25E-07	0	0	1.38E-07	0	0	0	0	0
NBPF25P	17.0784	16.2384	16.2245	11.4589	12.2574	13.5147	15.9847	12.3142	13.4919	13.3891	11.3869	15.1599	15.6781	14.9927	13.1981
NBPF26	10.1792	9.74237	10.3675	2.2328	6.23547	3.81837	12.6301	8.51994	5.71558	5.46739	3.67947	7.12539	5.59954	4.31854	3.44285
NBPF3	1.42447	1.46555	1.57092	1.01892	0.779059	1.13818	0.661939	1.15037	0.182615	0.890834	1.64014	0.632633	0.744443	0.627206	1.34401
NBPF4	4.46E-21	8.73E-06	0.0229838	0	0	0	4.14E-06	3.22E-06	0	4.55E-06	1.64E-05	0	0	0	0
NBPF6	0.0208308	0.0250817	2.69E-08	0	0	0.00886859	0.0118872	0.00925273	0	0.0130671	0.0470124	0	0	0	0
NBPF7	0.488432	0.554789	0.667131	0.296084	0.358451	0.415893	0.690538	0.370243	0.12247	0.452231	0.0973021	0.40128	0.148298	0.412946	0.804604
NBPF8	1.13329	1.54667	1.93153	0.866556	0.859425	1.06027	1.17529	1.28398	0.370375	0.729518	0.759441	0.648837	0.36121	1.23601	1.88464
NBPF9	6.38806	8.93445	8.71777	5.30071	9.31023	6.98889	8.09381	5.46254	5.36951	7.35785	5.9369	6.6844	5.27446	6.88066	6.48401
NBR1	11.148	10.5428	11.0178	12.555	8.04453	18.6317	9.89157	9.02268	11.0987	8.14952	9.23766	5.78954	8.36751	6.36495	8.49098
NBR2	1.14984	1.40517	1.34901	0.99104	1.29898	1.48641	1.2293	0.91969	0.343727	0.419829	0.507408	0.545999	0.411399	0.633733	0.810643
NCALD	4.68844	2.24158	2.89723	0.70693	2.17121	2.9952	4.3932	3.80915	1.75257	1.34003	2.42798	0.280481	0.755407	0.754793	2.0444
NCAM1	0.208663	0.113782	0.130242	0.0363646	0.181306	0.173346	0.213846	0.127854	0.00330584	0.0340686	0.039835	0.0058267	0.0700529	0.0326294	0.565244
NCAM1-AS1	0.0365981	2.11E-31	0	0	1.13E-33	0	0	0	0	0	0	0	0	0	0.0932296
NCAM2	0.0266253	0.0503975	0.0707988	0.0470367	0.0177249	0.148981	0.0151999	0.0456345	0.0138971	0.0214826	0.0901698	0.0122471	0.0171785	0.0238552	0.0737432
NCAN	0	0.00348132	0.0119548	0	0	0	0	0.00642136	0	0	0	0	0	0	0.00518832
NCAPD2	2.90372	3.60784	3.52954	8.50566	5.27344	8.92224	4.50296	2.56346	2.90888	3.43897	3.70195	3.70056	6.38158	5.52933	3.35406
NCAPD3	2.10166	2.64592	2.80096	3.71892	1.9113	2.2255	3.19634	2.03291	1.48848	1.40441	1.7992	1.86128	2.79988	2.11484	1.98054
NCAPG	0.389324	0.412638	0.271977	2.29465	0.0675308	1.45634	0.255128	0.316251	0.291311	1.58684	1.77472	0.673749	3.18381	2.0171	1.33549
NCAPG2	1.47523	1.14916	1.22661	2.29968	0.511814	3.6313	1.61596	1.03487	0.615606	1.5837	1.78369	0.972512	2.02923	1.92363	1.33354
NCAPH	0.244455	0.15827	0.161153	1.11789	0.183929	0.894398	0.248584	0.162939	0.158163	0.690337	0.858062	0.382625	1.16812	0.834453	0.597914
NCAPH2	4.46268	4.22806	4.41576	7.17888	8.33843	9.79319	4.98367	2.91742	3.845	5.56598	4.7319	4.20567	6.6123	5.24747	4.46678
NCBP1	4.38269	4.36771	4.94194	5.47545	2.06435	3.4011	3.54431	5.01579	2.77123	3.9508	4.68346	3.15314	4.9022	4.71836	4.36411

NCBP2	5.54876	5.35447	5.51131	9.26735	3.60707	10.4935	3.50532	4.76123	3.51658	5.76354	8.76748	4.2379	8.8996	6.29548	6.14519
NCBP2-AS1	0.658877	0.460499	0.272535	0.084874	0.255866	0.17532	0.329124	0.219583	0	0	0	0.117861	0	0.258268	0
NCBP2-AS2	5.11504	4.22832	4.43895	5.76214	6.15381	6.78928	5.09585	3.58763	7.35941	3.55612	8.8312	2.97819	4.6591	4.46868	1.51238
NCBP2L	0.0131869	0.0127073	0	0	0	0	0	0	0	0	0	0	0	0	0
NCBP3	3.70164	4.03708	3.84128	3.45912	2.96501	3.79721	3.77439	3.29725	3.28212	2.74001	2.20587	3.32646	2.92286	3.91658	3.2814
NCCRP1	24.7618	38.2333	35.215	96.5709	125.048	61.0257	63.1738	37.9557	467.556	110.608	258.317	145.535	111.379	66.9456	13.1901
NCDN	2.53605	3.69583	2.37188	4.11333	11.6338	5.22305	2.9669	1.60988	5.37848	3.16732	3.5751	4.26837	5.4488	3.96005	2.90649
NCEH1	1.08877	0.475487	0.772035	0.895395	0.249936	1.47966	0.869573	0.810311	0.117576	1.28574	2.40367	0.303175	1.92054	0.93625	1.27091
NCF1	0.48471	0.0880855	0.251278	2.89617	0.456426	1.94262	1.04618	0.348709	0.031006	2.89376	5.23321	0.253958	1.99366	0.698231	1.58197
NCF1B	0.364661	0.108849	0.20255	0.801053	0.794257	0.6179	0.432592	0.32031	0.0292219	0.730345	0.772376	0.0620023	0.236923	0.138389	0.0674492
NCF1C	0.361995	0.144416	0.10373	0.593883	0.797302	0.951625	0.557367	0.251808	0.152915	0.635149	1.91918	0.091277	0.0946759	0.221717	0.633343
NCF2	2.64465	1.59167	2.03431	6.31146	2.17655	4.91466	2.90303	3.1008	2.30548	7.34906	10.2659	0.803407	7.69336	2.42978	4.35776
NCF4	1.35224	0.773693	1.02545	3.09188	2.62562	6.2848	2.09076	1.1642	0.360255	3.42976	6.39227	0.957486	2.16297	1.12637	2.91299
NCF4-AS1	0	0	0	0.0239454	0	0	0	0	0	0.0583271	0.104922	0	0	0	0
NCK1	4.39592	4.40174	4.31454	4.64482	1.43797	3.85504	2.43736	4.3158	12.5928	4.0126	5.58489	3.61955	2.79381	2.45611	2.2884
NCK1-DT	0.370133	0.713343	0.676863	0.782941	0.756506	0.862552	0.422606	0.55401	0.569407	0.440105	0.879651	0.278779	0.251377	0.397077	0.531558
NCK2	8.4085	6.53071	6.61875	10.9992	10.4464	12.5611	6.40041	4.75824	11.8681	12.4268	10.8832	7.29566	18.7949	8.62143	6.92891
NCKAP1	20.426	18.4198	19.0954	24.4116	5.57691	18.2792	14.5003	18.2784	31.4587	31.6594	30.4332	17.3027	42.6188	24.2437	16.5085
NCKAP1L	2.42283	1.29455	2.00919	3.319	2.06856	6.87337	2.92036	2.43996	0.392956	2.73166	5.27148	0.436549	2.6003	1.14057	4.44837
NCKAP5	2.26738	2.33176	1.6337	2.4151	1.48171	2.02406	1.56929	1.62233	1.28049	1.70212	0.925442	1.69433	2.15306	2.43216	1.79443
NCKAP5L	2.48906	2.11863	2.52018	2.1854	4.94484	5.60616	2.72868	1.92244	0.626987	2.54309	2.266	2.65965	2.57497	3.22137	5.22964
NCKIPSD	2.63058	2.64271	2.87183	4.01468	3.97837	8.2634	3.76983	2.5641	7.12157	3.48564	6.17436	3.49405	4.34017	3.13678	3.01342
NCL	59.7614	43.2525	43.3647	111.971	49.5773	129.848	25.3056	40.5751	44.4414	39.9408	35.5778	36.5137	92.4594	62.864	35.0957
NCLN	4.5319	4.14907	4.04657	12.9374	11.2768	14.5327	5.88224	3.49313	3.53359	7.95228	7.39752	6.66283	16.5754	11.9529	6.94464
NCMAP	0.0580026	0.0279466	0.0479839	0.0119547	0.0180196	0.0345719	0.112583	0.0463931	0	0	0	0	0	0	0.0249897
NCOA1	8.13639	6.50251	7.47886	6.31823	3.33921	7.80832	6.65055	7.28341	10.9778	4.32433	5.46849	5.82184	6.10084	5.09902	5.21025

NCOA2	5.29724	6.08662	6.68957	4.37094	3.5166	5.74718	6.52811	5.78617	7.88765	3.66218	3.81863	3.88056	4.44633	2.90038	3.61708
NCOA3	6.98385	8.55105	9.10749	7.45846	3.46682	6.98045	5.85371	7.99784	7.13243	5.77612	4.54088	5.12094	7.31895	5.33505	5.06039
NCOA4	23.7376	18.1296	18.9155	33.7922	15.7464	35.7524	22.7863	21.0762	42.0928	35.6424	45.025	21.889	42.6822	23.0801	23.4328
NCOA5	5.13018	4.79168	4.70043	7.06627	5.39793	9.23072	4.40126	3.64231	4.46781	3.6421	4.65893	3.93735	8.14085	5.46358	4.31146
NCOA6	4.10719	5.23284	5.44156	4.9564	3.36798	5.47842	5.36332	4.57563	4.41691	3.96719	3.2626	4.43433	5.46661	4.0765	4.42032
NCOA7	2.65764	1.69208	2.12547	6.18577	0.884621	4.67917	1.80868	1.89649	0.880926	2.66191	4.79579	1.48241	2.8212	2.8105	4.31493
NCOA7-AS1	0.233297	0.0899248	0.2316	0.192335	0	0.0794597	0.159822	0.290269	0	0.0585623	0.0526726	0.100158	0.0903132	0.0731587	0.402053
NCOR1	10.6207	10.4745	11.2718	9.6784	6.44143	11.1506	10.0375	9.59079	7.78395	7.70379	5.66064	7.60063	10.232	7.93903	9.06435
NCOR1P1	0.165702	0.053561	0.18341	0.113841	0.171595	0.188807	0	0.147262	0.135536	0.0693244	0.064192	0.0395214	0	0.0288677	0.079323
NCOR2	11.0047	14.5141	14.7244	13.9624	27.0574	33.6894	22.2688	12.5756	9.87366	7.92159	7.30729	10.5169	16.5898	11.4348	21.6203
NCR1	0	0	0.03321	0.103424	0	0.0341821	0.0458352	0.0356767	0	0.176347	0	0	0	0.0314716	0.028826
NCR2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCR3	0.00472693	0.00341626	0.00391045	0.0146137	0.0220277	0.0201246	0.00269853	0.0126027	0	0	0.0106722	0.00169112	0.00762448	0	0.0169712
NCR3LG1	0.540319	0.511932	0.770982	0.358753	0.383037	0.765761	1.59405	0.647774	0.141326	0.55982	0.446207	0.809551	0.786129	0.523093	0.859291
NCRNA00250	0	0	0	0	0	0	0.0509133	0	0	0	0	0	0	0	0
NCRUPAR	0.190478	0.0924843	0.0787883	0.0981464	0.221908	0.082507	0.217481	0	0	0.0597673	0	0.104374	0	0.049776	0
NCS1	4.05119	5.34831	6.48881	4.81277	7.38352	5.98654	7.71623	3.05025	8.02255	6.03552	6.71652	5.20911	9.10213	5.22693	2.82608
NCSTN	9.56443	9.70784	10.8391	16.0633	9.13114	19.455	11.6256	10.1365	12.9113	11.0933	16.488	9.21864	16.8239	9.35317	9.4389
NDC1	2.08167	1.81185	2.07922	3.7072	0.476839	2.96916	1.86747	2.1953	1.29099	1.95051	2.82102	1.43458	3.40724	2.83523	1.73587
NDC80	0.436862	0.379903	0.220368	2.08629	0.198614	1.92342	0.243315	0.208328	0.363351	2.03275	3.62054	0.640422	2.19302	2.0215	1.11706
NDE1	4.04534	6.79431	7.80205	5.09984	5.9524	5.2606	6.26217	5.33102	5.67041	5.55016	4.18519	4.89315	5.61776	4.94988	2.85158
NDEL1	15.0576	18.7449	21.538	29.8196	21.1442	24.7197	19.6795	15.149	69.6714	64.6028	35.0499	59.6497	69.7478	37.5452	21.0782
NDFIP1	11.5554	7.99178	8.91011	12.4121	5.98653	15.3123	9.6528	10.0008	6.14332	12.2664	16.3276	6.91014	15.1186	7.60303	12.3077
NDFIP2	5.87153	8.87469	9.8011	12.0915	4.95799	6.70556	8.14007	10.6969	21.0825	12.8981	11.6849	10.7576	19.4445	7.9045	4.51959
NDFIP2-AS1	0	0	0	0.0553355	0	0	0	0	0	0	0	0	0.069289	0	0
NDN	2.95236	1.79869	1.45333	7.80738	4.73763	13.4317	2.15905	1.48538	2.54072	6.18606	13.2487	1.92044	5.49414	2.26354	6.85051

NDNF	0.757731	0.493255	0.806901	0.0581495	0.162779	1.15998	0.625856	0.436999	0.107991	0.445163	0.54599	0.0807498	0.286049	0.256994	1.36604
NDOR1	2.33471	3.49129	3.37215	5.08582	11.042	5.66088	3.4784	2.20563	7.17211	3.75817	5.36221	4.36311	6.45405	4.05995	2.18759
NDP	0.0462399	0.0222791	0.0286896	0.535453	0.0718265	0.226393	0.0263976	0.0308206	0.0140787	0.0435268	0.0650887	0.00827146	0.0820427	0.0362505	0.0498047
NDP-AS1	0	0	5.15E-08	0.029708	1.07E-13	5.22E-36	0	5.53E-08	0	0	0.00037939	0	1.74E-35	1.01E-22	8.94E-08
											7				
NDRG1	52.3384	74.752	84.4837	221.355	93.8985	231.689	60.0332	58.7855	146.664	341.051	214.825	208.839	487.206	242.372	98.0701
NDRG2	14.7839	10.6559	12.1315	15.0199	14.0792	12.9695	15.9048	10.6127	6.8428	5.24583	3.86897	4.45174	7.35802	2.13763	2.89832
NDRG3	3.97199	3.97873	3.93802	4.96399	2.24683	6.25585	4.34283	2.82476	2.5259	3.82297	5.40829	2.82563	4.32056	3.52387	3.8578
NDRG4	8.53572	19.0341	4.74306	2.8989	45.039	3.35062	5.97622	6.1593	46.5826	8.33471	9.69039	16.9859	10.8861	3.68115	2.49793
NDST1	12.0329	15.6577	14.4992	22.0111	31.6333	29.5791	19.2281	11.2808	29.9921	17.6318	15.7151	19.296	26.2161	16.0571	15.706
NDST1-AS1	0	0.136986	0.0470407	0.175795	0	0.0968354	0	0	0.0692522	0	0	0.203433	0.110062	0	0
NDST2	4.77964	6.55879	6.56305	6.73177	9.31411	8.35573	7.14909	4.76019	6.27052	5.80359	7.05532	5.63119	5.84401	5.36676	5.92851
NDST3	0.081581	0.094694	0.0552187	0.0802502	0.0230406	0.018945	0.0592751	0.052729	0.0045162	0.0279252	0.00837225	0.03184	0.0143552	0.0213189	0.0532548
NDST4	0.00692698	0.00333753	0	0	0	0	0	0	0	0	0	0	0	0	0
NDUFA1	30.9526	17.0243	15.7183	45.9816	26.8509	43.4262	15.6043	16.0817	31.7813	44.8255	97.998	22.9652	27.4364	27.0781	18.8066
NDUFA10	5.82741	3.85292	3.31358	4.34832	3.98285	6.48296	5.81164	5.24228	3.5109	2.9047	4.14576	4.08458	3.17359	3.73809	3.16651
NDUFA11	5.36433	4.73277	4.63976	10.1064	6.91331	11.1744	6.93428	3.99031	8.11606	7.94883	16.6467	6.47046	6.98813	6.01485	4.10646
NDUFA12	18.7368	11.3611	10.1803	24.9541	4.00805	24.8099	10.9685	11.3951	22.5775	25.0112	40.5101	15.7073	18.4661	16.3488	13.1691
NDUFA13	44.6208	29.9752	27.2347	72.0328	74.2861	95.5123	39.441	22.8065	61.6756	72.0278	156.995	44.6067	51.9857	43.5396	34.2788
NDUFA2	9.64078	6.99257	6.58195	14.5287	7.3267	17.3008	8.6995	4.6755	12.278	12.6206	27.8516	8.34463	7.20672	8.49263	7.10877
NDUFA3	16.867	12.8831	11.5198	33.888	18.4823	32.5093	15.8992	11.2715	27.7079	24.4519	49.742	23.3891	17.6735	19.3051	13.426
NDUFA4	18.0489	8.65288	9.08903	16.5719	2.00882	18.5761	10.2589	7.95521	17.0922	23.3589	55.9835	10.1465	14.1917	13.4885	7.94572
NDUFA4L2	29.4938	33.8181	31.2324	48.6427	66.9054	104.302	51.291	40.0965	161.023	124.916	267.062	113.561	124.519	61.1193	42.9722
NDUFA5	2.07384	1.31285	1.48904	1.76324	0.303905	2.19898	0.87728	1.67551	1.343	1.81711	3.03579	1.11228	1.85673	1.41294	1.65518
NDUFA6	16.0404	10.7866	11.6088	22.4257	7.74651	19.1545	9.8597	8.72973	33.0235	22.7064	46.451	13.47	17.6061	14.1153	12.3396
NDUFA6-DT	1.92626	3.08695	2.74828	0.963765	3.68598	2.22257	2.6934	1.86076	1.37698	0.753327	0.850895	1.14858	0.432283	0.897319	1.2629

NDUFA7	6.85413	5.68229	5.14221	11.4959	2.80179	12.7828	7.54067	5.30219	8.27993	8.70708	19.2652	6.63173	5.55018	7.26608	4.38369
NDUFA8	4.41635	4.39595	3.61103	9.04941	3.61619	10.0133	4.10432	3.08819	6.60861	8.14259	16.0966	5.03398	7.33336	6.7635	3.46622
NDUFA9	11.3198	6.99256	6.60397	13.6813	5.74203	16.9748	9.82072	6.85161	9.77476	12.7633	18.2831	7.08074	15.5164	9.24646	7.87014
NDUFAB1	13.9136	9.88013	10.276	22.026	6.30592	22.6013	10.736	9.31247	14.1985	17.5501	36.3095	11.1721	18.2674	16.7923	6.57751
NDUFAF1	2.31297	1.8359	2.04618	3.77514	2.11832	4.57643	1.40439	1.81794	3.76133	3.65813	5.35795	2.13331	5.12394	3.01866	2.8993
NDUFAF2	5.0213	3.19477	3.08885	9.75213	2.64994	10.2504	3.12384	3.06083	5.48816	7.67582	13.0446	4.46806	10.3214	6.64499	4.299
NDUFAF3	3.81839	3.39597	3.86081	6.98138	9.73669	10.3483	5.82858	3.27185	5.80049	6.97401	16.7013	3.90729	8.05311	5.09288	5.83748
NDUFAF4	1.12308	0.744612	0.69086	1.62229	0.0894628	1.53659	0.48223	0.81042	1.12228	0.903574	2.41643	0.666225	1.35012	1.30939	0.827118
NDUFAF4P1	0.188882	0.100586	0.189153	0.0512233	0.0926525	0.0592535	0.045402	0.291551	0.0121072	0.0374316	0.033667	0.0355659	0.0641399	0.0883268	0.0285536
NDUFAF5	2.15528	1.43516	1.57599	1.28939	0.789953	1.17535	1.19816	1.29848	1.03226	1.2867	1.43978	0.872159	0.999965	0.999878	1.13609
NDUFAF6	0.547351	0.599819	0.561753	0.451672	0.316437	0.572941	0.425246	0.521186	0.360872	0.304751	0.545881	0.253243	0.286767	0.317257	0.22459
NDUFAF7	1.57325	1.21473	1.25205	0.797425	0.38695	0.714885	0.948472	1.40693	0.266956	0.573435	0.717695	0.486438	0.403459	0.849732	1.02892
NDUFAF8	3.38123	2.66738	2.85517	7.36612	7.34767	6.96648	3.86058	2.46002	3.64856	6.26673	14.5362	2.8205	4.18225	4.94446	3.0192
NDUFB1	22.2593	13.2797	12.0631	29.2001	8.32236	23.7977	12.1714	11.9773	32.4236	34.5929	67.777	23.8709	20.5624	21.2178	16.9751
NDUFB10	20.4535	14.8462	12.196	31.7196	17.2267	37.3764	19.2588	13.4855	27.943	22.5457	49.4025	16.607	21.123	19.4189	14.2578
NDUFB11	12.1892	8.55149	10.1178	20.5607	18.9021	25.0885	13.7292	7.7037	15.6225	12.6111	31.7972	10.0182	10.1759	9.82501	9.52144
NDUFB2	25.4789	16.3753	16.5899	47.8402	23.3851	38.8945	21.8309	12.8787	42.192	59.0318	146.62	31.0109	35.534	35.6511	24.4405
NDUFB2-AS1	0.506099	0.38614	0.430728	0.507578	0.588973	0.370683	0.465655	0.662069	0.188436	0.299902	0.0634597	0.402058	0.262955	0.42578	0.100838
NDUFB3	7.73419	5.91933	4.5034	16.431	4.15864	10.7901	3.8719	4.1241	13.7305	21.169	39.0539	11.6002	14.0681	12.0644	9.31301
NDUFB4	13.8562	10.8004	10.9229	20.1194	3.47969	22.51	11.3487	9.33448	25.8728	21.6736	35.9564	15.4875	21.1534	13.3206	8.18125
NDUFB5	9.79046	7.16002	7.05076	16.9356	5.43141	12.3744	7.56041	8.37078	8.38383	12.288	20.9451	8.2563	9.44695	8.45206	6.3397
NDUFB6	8.14441	5.02492	4.80307	10.8584	2.08764	11.7412	4.97176	3.55932	6.12161	10.9306	20.5122	5.84679	9.33021	6.75723	5.94471
NDUFB7	31.4084	18.6457	17.4274	34.8571	45.8253	49.5898	25.6981	17.6294	27.721	33.9945	87.229	21.5334	27.4023	22.1531	17.166
NDUFB8	21.3666	17.2597	19.9508	29.0912	19.0518	41.9605	21.5337	14.6417	33.0459	32.8953	61.3177	22.114	26.111	24.9798	19.2219
NDUFB9	37.4987	21.4793	22.9533	44.0838	24.9494	68.4372	29.6579	18.4795	43.1209	32.8038	65.6222	27.8677	32.3968	31.475	18.2591
NDUFC1	5.11281	4.26689	4.01886	10.8825	4.40396	10.9719	3.16433	3.73699	10.2035	8.15634	16.9376	7.74976	8.34456	5.94373	3.06515

NDUFC2	4.88433	3.51087	3.40568	7.06994	2.89126	9.24185	4.14276	4.5082	5.95336	6.43649	14.9006	4.40264	6.6867	4.76565	4.01221
NDUFC2-KCTD14	1.2165	0.298174	0.282616	0.815692	1.35687	1.99063	0.786792	0.705053	0.268815	0.618837	1.88095	0.298935	0.874693	0.576992	0.75346
NDUFS1	10.2564	9.13082	8.74206	12.1585	7.67898	9.71517	8.79565	8.19367	17.2094	10.6039	11.5343	8.88239	14.3971	8.45187	7.80667
NDUFS2	10.4373	10.2488	10.2081	21.0085	15.4068	24.2541	10.558	7.72982	11.1751	12.9338	14.9061	9.06228	16.0672	10.7662	8.37118
NDUFS3	16.1205	10.8251	10.4612	19.3234	13.4575	27.0213	13.2533	9.24363	12.638	15.205	33.0725	10.0496	16.2085	11.8307	10.4318
NDUFS4	12.2131	6.59422	6.64395	14.7407	4.2076	12.5439	6.07697	5.63816	12.1829	18.4899	34.0382	7.25966	13.6287	10.3073	6.75647
NDUFS5	44.3815	28.4138	28.0644	67.7062	20.8391	59.4622	17.7702	19.8473	46.7951	72.8461	168.147	29.2039	44.9782	44.781	21.1875
NDUFS6	16.386	12.0867	10.7956	25.9386	18.3026	29.1994	14.3692	12.0854	17.4874	17.0147	37.6628	15.804	17.6838	18.2979	8.97624
NDUFS7	5.85486	4.60858	4.5823	9.35548	11.4244	12.8273	6.11402	4.13926	5.60829	6.9191	13.6346	6.15685	7.32579	6.26442	4.34586
NDUFS8	17.0694	11.3726	10.6682	24.2352	23.0271	33.1865	17.4517	10.3861	16.652	15.7157	41.7555	14.9118	18.1819	18.0832	11.1201
NDUFV1	23.2563	17.8508	19.1457	22.8556	34.6269	43.5196	20.0568	13.9219	17.2467	16.1709	22.9858	14.4274	20.5802	18.2732	14.3665
NDUFV2	24.3873	16.0186	15.7488	44.1858	7.03521	50.049	16.8773	15.1493	46.7336	37.8234	64.4713	27.1718	38.5657	27.4817	19.1556
NDUFV2-AS1	0.4656	0.593823	0.453149	0.282244	0.212717	0.559697	0.531607	0.462467	0.600404	0.1375	0.525604	0.411537	0.123695	0.343543	0.039333
NDUFV3	5.78033	6.39201	6.29197	7.58036	6.64975	11.7496	6.22762	5.06949	10.1759	4.86842	5.97333	5.44985	7.88649	6.28063	5.02446
NEAT1	209.655	218.957	229.631	157.812	151.547	110.227	237.463	223.264	80.216	258.956	33.6252	516.965	29.2465	328.225	211.032
NEB	0.321101	1.07663	1.22047	0.326371	0.665499	0.164048	0.765388	0.642665	1.60604	0.172247	0.26218	0.648982	0.0363262	0.152189	0.127604
NEBL	4.76796	4.91816	5.74208	1.99423	1.81425	1.94954	3.35424	5.35836	7.83724	3.14876	2.91105	5.02996	1.35538	1.89364	1.0648
NEBL-AS1	0.146689	0.247009	0.242664	0.151623	0.743002	0.155986	0.125481	0.26035	0.133908	0.137976	0.124014	0.157232	0	0.0384816	0
NECAB1	0.305845	0.208679	0.292508	0.112256	0.0215498	0.261701	0.163243	0.534377	0.039516	0.166283	0.464313	0.113124	0.081	0.138493	0.137069
NECAB2	0.0432311	0.0138863	0.0119213	0.0445509	0.223843	0.159513	0	0.0128067	0	0.0180865	0.0976051	0	0.0092975	0.030126	0.0827804
NECAB3	1.88413	1.81561	1.59625	1.48548	4.24902	3.44059	1.58103	1.31132	3.37288	1.35334	2.65228	1.6324	1.05453	1.38811	1.56483
NECAP1	4.3555	3.37142	3.69915	4.48845	2.05186	4.73461	3.17944	3.95807	2.80443	3.06937	4.35259	2.63112	5.13658	3.24198	2.96089
NECAP2	7.66245	11.1025	12.1165	14.4403	17.2059	17.708	9.0662	7.33354	14.1268	11.7388	18.0281	6.6922	12.6642	8.05589	6.89962
NECTIN1	28.2696	51.782	51.3557	74.1861	79.5709	74.4525	51.0976	41.8158	74.8899	65.6611	39.0325	67.6559	147.209	50.941	19.7963
NECTIN2	4.49266	4.55695	5.68209	9.33974	9.67357	13.7362	6.02391	3.1585	13.1587	8.7263	10.2895	5.68351	15.9888	8.75272	10.1894
NECTIN3	0.757791	0.308066	0.467375	0.285874	0.210198	0.699979	0.502137	0.450978	0.078282	0.861938	1.39011	0.130714	0.781403	0.574632	1.14658

NECTIN3-AS1	0.0410338	0.0494267	0.0509191	0	0	0.0698794	0.0234255	0.0547011	0	0	0	0	0	0	0.176789
NECTIN4	15.8737	28.0327	28.3357	26.5873	45.5883	21.8218	26.4315	17.2258	64.9107	41.4553	23.4101	39.8903	49.5153	24.8094	7.36476
NEDD1	2.13472	2.01898	2.13507	2.71203	0.578976	2.64477	1.25091	2.0126	1.53377	2.7927	2.77959	1.32945	3.26473	2.74795	2.13303
NEDD4	2.46221	2.97593	3.58437	4.45885	1.23466	4.28471	1.62058	3.03005	2.44918	4.56049	4.98901	3.10236	4.38599	3.84187	5.91774
NEDD4L	2.00483	1.26025	1.40293	1.21445	0.852033	1.34202	1.53698	1.80302	0.924738	2.08036	0.638134	1.23571	5.7923	1.77641	1.38628
NEDD8	29.6446	25.5901	27.3745	59.7006	27.163	71.8734	27.5747	19.6134	61.1985	63.0751	125.189	42.0946	44.6535	39.5147	29.6532
NEDD8-MDP1	0.477645	0.477443	0.198441	0.187338	0.67068	1.2739	0.43025	0.657908	0.667272	0.945044	0.782759	0.556941	0.511886	0.422645	1.25605
NEDD9	5.56155	2.02373	2.65323	1.28325	1.08221	4.13557	3.10413	2.5158	0.824113	1.94987	3.34479	0.77354	1.69984	1.8813	5.07746
NEFH	0.180465	0.0689609	0.0772206	0.0769548	0.173994	0.16956	0.0781565	0.0718954	0.12884	0.0624833	0.0983487	0.102411	0.21681	0.175628	0.14299
NEFL	1.63327	0.540111	0.398866	2.24832	1.17022	1.14952	0.901443	0.257095	1.6148	2.40545	2.55813	1.2549	3.3091	2.62386	1.93879
NEFM	0.644458	0.245948	0.147801	1.04551	1.55611	0.613945	0.101995	0.113414	1.56975	0.824878	0.30253	0.474824	2.70476	2.00426	0.320726
NEGR1	2.28614	0.944139	1.45897	0.416495	0.519991	2.22123	1.99497	1.76688	0.0646345	0.384286	0.723535	0.111	0.539957	0.183492	4.2271
NEGR1-IT1	0.043339	0	0.0358531	0	0	0.0369026	0	0	0	0	0	0	0	0	0.311202
NEIL1	1.34344	1.85531	1.74462	0.579538	2.37801	1.32349	1.36445	1.36747	0.342451	0.352915	0.405595	0.76007	0.166301	0.636824	1.21145
NEIL2	2.48525	2.22617	2.33427	2.22153	3.54053	5.54177	2.20265	2.17208	2.3495	1.87844	2.13128	1.72914	2.05528	1.6003	1.69583
NEIL3	0.115619	0.190332	0.191296	1.02269	0.044899	0.713748	0.198015	0.214068	0.164279	0.846496	1.10941	0.179245	0.677587	0.453206	0.359761
NEK1	1.75271	1.55339	1.5065	2.1625	0.793042	1.86209	0.904208	1.20398	0.866573	1.66501	1.80615	1.36917	1.37983	1.75855	1.87052
NEK10	0.059982	0.0457587	0.0124053	0.0875687	0.0698796	0.16599	0.0570712	0.0577493	0.030438	0.0376418	0.0959256	0.0536484	0.0548251	0.164583	0.179462
NEK11	0.726895	0.83952	0.902008	0.853738	0.589466	0.596186	0.726202	0.508253	0.162735	0.576913	0.61543	0.673087	0.741416	0.611762	0.652446
NEK2	0.134306	0.132827	0.146194	1.09268	0.0768614	0.903147	0.153346	0.188463	0.137743	0.558936	0.91867	0.247836	0.77076	1.03075	0.294396
NEK3	2.35325	1.39077	1.62464	0.854886	1.27545	1.47759	0.724871	1.25633	0.278351	0.988062	1.62449	0.508777	1.065	0.902523	2.01801
NEK4	1.48387	1.5787	1.64505	1.9561	1.00622	2.90859	1.30292	1.4225	0.986154	1.39444	2.04073	1.40129	2.16505	1.93293	1.7416
NEK5	0.347484	0.389588	0.424477	0.246713	0.2401	0.168798	0.451364	0.421817	0.0819688	0.154566	0.0477374	0.326658	0.0272877	0.309543	0.387497
NEK6	3.48954	2.15631	2.85746	5.33564	3.82297	9.02864	3.38499	3.25881	0.345518	3.09786	7.60628	1.18246	3.72952	2.87284	6.47816
NEK7	4.53676	3.78616	4.31841	5.85273	1.40943	5.2508	3.18469	4.1862	8.93591	10.5446	10.6791	3.83128	15.9002	9.02191	7.23124
NEK8	0.722375	0.858425	0.763881	0.726062	0.955961	1.3859	0.563983	0.547067	0.276136	0.437025	0.265096	0.309781	0.323922	0.331327	0.546574

NEK9	5.70517	5.76251	5.63467	6.51331	5.79621	8.11005	4.77894	4.59187	2.22987	3.82389	5.50212	3.21755	4.55515	4.45742	5.94258
NELFA	5.10122	5.59793	5.54663	6.40692	8.11332	8.4557	5.51392	4.59188	6.14419	3.90744	5.25053	5.62942	8.30686	4.31284	3.52833
NELFB	7.12371	7.73137	7.6865	11.1879	19.5604	15.6852	8.63683	4.18866	10.571	8.44426	7.58486	6.47448	13.4578	8.12796	5.33487
NELFCD	8.26322	7.34832	7.47549	14.0097	7.95404	15.8588	8.31123	5.97844	9.91694	7.63663	9.45283	5.42404	10.6757	8.46427	5.79653
NELFE	1.59377	1.40684	1.43909	2.89526	2.42194	3.93447	1.50374	1.05188	2.37294	2.49036	3.20467	1.54586	3.28894	1.9665	1.38396
NELL1	0.0966884	0.0133103	0.0171402	0.156577	0.096551	0.294032	0.0473124	0.135031	0	0.0606769	0.0779637	0.0247083	0.374297	0.220182	0.307469
NELL2	8.95335	5.92289	6.84151	10.708	12.1332	15.1172	4.9116	9.78838	17.0951	30.9876	31.394	25.6327	22.0234	15.5009	8.90169
NEMF	5.64102	5.40559	5.17367	5.10209	1.76148	4.66761	2.57848	4.43859	6.82896	4.88155	5.08788	4.17788	4.93164	4.81458	4.20652
NEMP1	2.22489	2.45166	2.49162	2.11025	0.96641	1.95762	2.26276	1.95533	0.451613	1.28764	2.20465	0.905066	1.29992	1.69471	1.30176
NEMP2	1.39355	1.83647	1.9056	1.15412	0.593057	1.38164	1.32955	1.58343	0.24024	1.08617	1.27862	0.796785	0.9648	1.57972	1.32507
NENF	13.3396	8.21316	8.85658	14.2998	11.7431	28.5521	14.0056	6.71861	7.90031	13.8348	30.0345	5.74084	9.07867	8.42487	10.5768
NEO1	6.49098	9.81353	10.5908	5.68984	6.29406	7.5871	10.114	8.60389	6.29884	1.95886	3.20672	3.75674	2.81028	2.01707	3.30113
NEPRO	4.73757	3.60887	3.97019	3.5103	1.0965	4.45754	2.5802	3.60409	1.66171	2.4736	3.16076	1.72883	2.68069	2.88463	2.46976
NES	4.49368	1.74374	2.15332	4.33473	7.62715	5.93627	2.50117	1.45087	1.3086	2.19015	3.64828	1.02212	2.86168	2.31376	7.28484
NET1	15.5372	9.80083	8.03615	13.7841	7.44515	13.9117	8.09906	8.71363	14.2615	16.9486	17.5213	10.2463	25.422	13.9389	9.78852
NETO1	0.00259335	0	0.0042908	0.0133626	0.00402837	0.0264984	0.011844	0.00230475	0.00315841	0.0358041	0.0322033	0.00185561	0.00334643	0.00542159	0.0707632
NETO2	0.783554	0.942311	0.321513	5.0451	1.14897	3.06905	0.243341	0.896909	4.63396	3.61906	5.0737	3.10377	6.661	4.34413	1.64742
NEU1	0.512645	0.524286	0.611299	0.709672	1.07839	1.45107	0.625193	0.314076	0.81658	0.694265	1.29934	0.480752	0.970638	0.541702	0.653974
NEU2	1.68055	3.53153	4.00332	6.61445	13.8701	3.03435	2.03439	3.23899	29.8378	4.52349	9.02854	14.0531	1.28024	3.68264	1.91916
NEU3	1.6254	1.43644	1.49792	1.44937	1.80531	2.05809	1.60582	1.36968	0.153852	1.07816	1.20741	0.656835	1.22801	1.08279	1.45137
NEU4	0	0	0	0	0.0130867	0.0143473	0	0	0.0102605	0.010574	0.047553	0	0	0	0.0725949
NEURL1	0.793783	0.803676	0.678858	0.541659	1.01641	0.579991	1.35335	0.686382	0.248216	0.471213	0.320894	0.333876	0.283756	0.431684	0.731739
NEURL1-AS1	0	0	0.0179771	0	0	0	0	0	0	0	0	0	0	0	0
NEURL1B	6.81591	3.79515	3.88939	4.75579	8.29515	9.74555	5.51631	3.30929	1.48091	3.07952	5.49885	1.91308	3.42913	5.91209	13.0478
NEURL2	0.405652	0.216177	0.258671	0.408091	0.35813	0.298303	0.246826	0.254882	0.175586	0.243263	0.366152	0.140446	0.0103924	0.123151	0.121588
NEURL3	0.0447425	0.0215576	0.00925353	0.0230542	0.0347503	0.0761953	0.0510855	0	0.0136228	0.0280782	0.0378815	0	0.00721691	0	0

NEURL4	2.01225	2.97307	3.00083	2.32657	6.38308	4.37274	2.68979	1.68522	1.98881	1.30479	0.972093	2.66891	1.81646	2.47649	2.65916
NEUROD1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEUROD2	0.0228988	0.136074	0.107346	0.0235979	0.0711395	0.0129987	0.156871	0.108536	0	0.00958011	0	0.00546157	0	0.0039893	0.0109619
NEUROD4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEUROD6	0	0.00515996	0	0	0	0	0	0	0	0	0	0	0	0	0
NEUROG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEUROG2	0.0101194	0.014627	0.00837148	0	0	0	0	0	0	0	0	0	0	0	0
NEUROG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEXMIF	0.262697	0.1713	0.227126	0.23815	0.076703	0.475958	0.250325	0.272082	0.0384885	0.0123952	0.0312161	0.0113063	0.237033	0.00309693	0.076588
NEXN	1.78917	0.552145	0.750358	0.281494	0.233367	1.60661	0.327473	0.764686	0.0914848	0.711387	1.06383	0.102611	0.854756	0.90236	1.89168
NEXN-AS1	0.373601	0.240436	0.168824	0.0624335	0.345062	0.349916	0.207518	0.179473	0.0491896	0.139405	0.193776	0.0874146	0.110751	0.196166	0.248145
NF1	5.65653	5.34762	5.93569	5.40488	2.35595	7.15568	5.07562	5.41332	1.91517	3.85105	4.20454	2.47016	4.51898	4.52439	6.00051
NF1P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NF2	4.21054	4.07798	4.1603	6.38498	6.91823	10.6997	4.90875	3.57545	4.15519	4.15839	4.204	4.271	7.45841	5.60879	5.78721
NFAM1	0.557515	0.276578	0.35189	1.32356	0.699225	1.94106	0.358355	0.44409	0.0754433	0.850051	0.960361	0.103423	1.06313	0.448943	1.79704
NFASC	1.22863	1.69928	1.16878	0.957694	2.89036	1.58974	2.29659	1.12167	2.75814	0.572689	0.389865	1.79567	0.55503	0.596192	1.22641
NFAT5	10.3411	10.7512	11.8987	6.28156	3.42086	6.92126	8.71267	11.3534	6.51462	8.62985	6.70916	7.58339	7.03545	9.60154	7.99058
NFATC1	1.82461	1.55522	2.05772	1.64843	2.18605	4.75841	3.29774	1.84698	1.62926	1.81254	2.90491	2.16909	2.46532	3.11317	5.20549
NFATC2	2.22615	1.62891	2.15594	1.12564	1.67827	1.49874	3.2941	1.99425	2.33525	1.57211	2.44603	2.03038	1.44396	2.3735	6.32583
NFATC2IP	3.94116	4.74294	4.35217	5.73676	5.63744	6.82406	4.84234	3.63585	3.20723	4.59269	3.32496	4.10768	6.10353	5.59318	4.9105
NFATC3	8.47897	8.52755	8.98088	8.37787	6.50707	8.3593	7.04228	7.34753	7.82299	6.09141	8.49767	6.23568	6.84814	5.79401	5.47467
NFATC4	2.52787	1.89519	2.31658	2.18958	9.03809	9.27469	3.23458	1.84953	0.495416	2.08781	3.91147	1.52808	2.15353	5.67194	12.7063
NFE2	0.37291	0.767698	0.962888	2.21261	3.33512	0.375261	2.45144	0.36154	2.13319	1.41831	2.2069	0.226399	1.0426	0.212617	0.324574
NFE2L1	21.9173	25.0321	26.7246	37.3218	43.9298	47.1508	20.6945	17.9154	16.7686	25.8343	14.1547	20.0559	38.4409	24.8387	20.1541
NFE2L2	17.1765	24.2149	24.6646	28.8407	10.2812	26.0724	14.2516	16.1201	40.476	28.0664	44.3863	21.1567	27.661	19.5206	16.9521
NFE2L3	5.73274	4.44524	5.19665	2.71924	2.48059	2.40615	3.96716	6.74684	6.19172	2.9595	2.35201	3.03962	1.03838	1.40843	1.6215

NFIA	9.00958	5.40668	5.95207	5.25154	2.36362	8.34982	7.18405	8.477	1.98534	2.60823	4.65796	2.56085	3.29083	2.48355	3.69075
NFIA-AS1	0.236154	0.0568912	0.293044	0.304204	0	0.351893	0.269633	0	0.0719021	0	0.066647	0.211218	0	0.0617121	0
NFIA-AS2	0.0698131	0.033637	0.0192514	0.0359722	0	0.27741	0.0265701	0.031022	0	0.0146038	0.0394052	0.0416276	0.0225215	0.0364874	0
NFIB	16.3303	10.727	13.0069	7.84157	3.4034	14.5012	12.9715	14.8671	2.53637	3.43348	5.64409	2.77104	4.44108	4.81758	8.67212
NFIC	15.428	20.988	22.7848	19.1078	21.6592	39.6457	33.9907	20.4011	10.9079	7.64579	11.1181	9.57507	14.8477	8.85983	19.2957
NFIL3	7.28007	2.61594	1.62476	10.8398	4.09213	12.4056	2.24242	5.21952	4.65735	6.18627	12.0129	4.1483	5.18442	6.57336	6.42758
NFIX	29.709	35.9955	37.9694	22.2062	31.0449	55.9852	53.3279	30.2999	14.1453	6.08842	10.921	7.53507	8.44174	6.136	21.1486
NFKB1	6.14844	7.65818	8.16808	14.0467	5.77829	13.1903	5.94008	5.91285	7.61762	8.3239	8.11668	6.79496	13.1079	7.64885	8.34916
NFKB2	2.13261	4.04412	5.59824	6.15117	5.81109	8.11572	2.89746	2.85883	1.98787	4.56825	3.26822	2.37844	7.11808	3.35624	6.94665
NFKBIA	35.5343	36.0849	48.0289	55.3548	28.952	36.1549	32.2585	39.337	60.5622	39.0011	55.369	41.3511	52.1135	24.9399	25.3462
NFKBIB	2.57364	2.68434	2.58591	4.91828	5.59073	8.03524	1.99277	1.52483	5.68036	4.1089	3.37284	3.62657	8.51247	3.40655	2.60566
NFKBID	0.942051	1.33646	1.29022	1.04632	2.43888	1.71124	1.39828	0.818612	0.892354	0.919622	1.32341	1.01109	0.884696	1.24731	1.30781
NFKBIE	0.798036	1.14488	1.68386	2.02366	2.46532	2.47375	0.624511	0.788917	0.283931	1.36175	2.70265	0.442698	2.08848	1.22315	1.68693
NFKBIL1	0.43437	0.436427	0.481959	0.530367	1.20875	0.971103	0.420734	0.27443	0.376076	0.506422	0.580983	0.325533	0.426358	0.402397	0.351817
NFKBIZ	18.809	13.9536	17.3324	18.0818	9.32778	9.1753	16.7737	14.2476	9.36829	12.8107	13.047	15.3777	32.9466	13.1764	14.6715
NFRKB	3.4719	4.24819	4.32659	4.07077	3.81779	7.03625	4.4495	3.57749	3.27914	2.9347	2.3746	2.91518	4.4601	3.64766	3.14175
NFS1	2.66786	3.10014	2.94019	3.19644	2.42338	4.66119	2.47692	2.03461	2.60832	2.06237	2.75117	1.83627	2.70405	2.71631	1.8693
NFU1	3.37261	2.40944	2.56557	5.59286	1.74627	5.80948	1.9475	2.30826	4.15467	8.19833	10.0432	3.18986	5.60254	2.9783	3.20116
NFX1	7.66757	7.50476	7.50479	6.74388	5.33507	7.09258	6.09746	6.50049	8.40483	4.60781	3.91793	5.59535	4.66492	4.49597	4.62128
NFXL1	2.54278	2.06032	1.77601	2.14209	1.75017	3.09544	1.34125	1.68283	1.69892	1.87611	1.94194	1.98849	1.83303	2.45898	1.57797
NFYA	2.01698	2.41183	2.08894	3.28243	1.75044	3.30803	1.3554	1.54724	1.35512	2.52665	3.04974	1.39244	2.24252	2.94944	2.14745
NFYB	2.93775	1.97587	2.39732	2.52058	0.43362	3.45223	1.3508	2.63445	1.10087	2.21898	3.9391	0.846521	2.27707	1.84803	2.19539
NFYC	4.93745	5.12881	4.89967	7.32284	4.35873	8.43434	5.83696	4.50641	6.87308	4.24334	6.32867	4.30481	7.15049	4.19432	2.70189
NFYC-AS1	0.862997	0.750838	0.708303	0.273263	0.636796	0.277391	0.471421	0.66523	0.0715895	0.166288	0.144535	0.196989	0.123946	0.369805	0.31677
NGB	0	0	0	0	0	0.0210085	0	0	0	0	0	0	0.00795937	0	0
NGDN	4.547	3.90414	4.44881	5.00121	2.64865	6.52728	3.3446	3.52292	4.1533	3.98755	6.94268	3.14922	3.66713	4.20449	2.80458

NGEF	2.70888	4.37224	4.48192	3.76827	3.3934	7.07998	5.61023	1.43967	1.73551	4.65695	3.4829	2.55391	5.07847	5.55776	1.14874
NGF	0.264744	0.0956683	0.127759	1.11404	0.548319	1.2962	0.277087	0.235283	0.188083	2.18752	1.99242	0.884014	3.20272	1.47591	1.45746
NGFR	7.56315	0.886187	1.2036	0.467229	2.9423	4.86168	4.58806	2.24164	0.609865	0.96823	0.465983	0.450001	0.414772	0.201593	2.17378
NGLY1	3.01022	2.84226	2.65093	4.76157	1.52093	4.49932	1.83859	2.40914	2.71016	4.0625	3.72701	3.04556	4.18719	3.15078	2.24287
NGRN	14.872	11.7081	12.8579	21.0718	15.8095	28.1255	12.7316	9.95655	12.2351	17.4281	21.5684	8.83487	21.6257	12.5012	10.443
NHEG1	0.0170169	0.0327961	0.0281552	0	0.0528664	0	0.0194294	0.0151232	0.0414495	0	0	0.0365282	0	0.0088938	0
NHEJ1	1.91483	1.94063	1.80258	3.35686	2.29063	2.85798	2.24912	1.35944	1.67532	2.18232	3.22999	1.82682	2.48508	1.92103	2.02294
NHLH1	0.180876	0.614398	1.03247	0.139798	0.210722	0.154013	0.588576	0.257196	0.0660859	0.113509	0.0204186	0.090595	0.04668	0.0661735	0.025976
NHLH2	0.12958	0.162328	0.157224	0.29378	0.214702	0.522257	0.128224	0.0307094	0.157814	0.40117	0.526608	0.129805	0.12262	0.0677244	0.0744375
NHLRC1	0.910973	1.28541	1.10352	1.20701	1.51613	1.48672	1.23824	0.857787	0.845305	0.939192	1.24874	0.729424	0.958601	0.595143	0.295919
NHLRC2	3.68942	3.02841	3.47448	3.38416	1.31041	3.05517	2.77799	3.80012	2.21799	2.59932	3.62129	1.88082	3.77032	2.70599	3.2706
NHLRC3	3.12568	2.52567	2.52652	2.13398	1.46669	4.08649	1.87362	2.78942	0.634454	1.64278	2.85221	0.927217	0.81087	1.30349	2.66527
NHLRC4	0.219782	0.116484	0.154546	0.0792721	0.290188	0.243284	0.112923	0.048831	0.026767	0.11034	0.161269	0.015726	0.0779912	0.0631772	0.157817
NHP2	20.4332	15.9818	15.312	39.6008	17.3011	43.3584	23.0205	14.4262	31.1232	20.8498	42.0337	17.3546	22.6599	21.8544	10.7415
NHS	1.33318	1.04412	0.889027	0.629477	0.846465	1.40063	0.957872	0.78387	0.22225	0.47717	0.623743	0.417115	0.672102	0.919324	1.46326
NHS-AS1	0.42298	0.203798	0.0499884	0	0	0.205807	0.137984	0	0.0735917	0	0	0	0	0.0947434	0
NHSL1	5.11795	6.92504	7.71736	6.08121	6.80243	7.69906	9.56151	7.12732	9.68418	6.13426	3.64595	6.81464	9.02763	4.70726	3.74715
NHSL2	3.11468	1.08536	1.2441	1.61461	2.40443	3.11288	3.10363	1.45394	0.137939	1.16883	2.46482	0.562788	1.56301	1.86794	6.48823
NICN1	2.31912	3.25387	2.82814	1.77477	4.21966	2.1925	3.45189	2.52382	1.72688	0.793442	2.12906	1.50265	0.538258	1.5141	3.82177
NID1	10.6802	3.27069	3.7601	12.5108	14.5606	40.6518	7.71916	9.04402	3.12481	12.7133	24.5841	4.32219	16.7192	13.8212	37.3506
NID2	1.73366	1.01651	1.10411	2.6468	3.0207	6.52571	2.44027	1.22688	1.59752	5.61251	12.338	1.6868	3.76993	5.17765	15.5907
NIF3L1	3.28525	3.12731	2.91585	4.96181	2.14869	4.30361	2.56647	2.91966	2.93195	3.73937	7.0269	1.84629	3.64712	3.22549	2.8652
NIFK	4.7121	4.25654	4.54382	11.1548	1.75767	8.67311	2.38334	4.04295	7.45858	6.66646	12.5026	5.26548	11.8957	9.52526	4.32009
NIFK-AS1	0.404422	0.494294	0.536103	0.522723	0.440184	0.833414	0.384447	0.582354	0.220347	0.335139	0.777519	0.247816	0.345372	0.481332	0.346204
NIM1K	0.084799	0.0885244	0.146149	0.0946701	0.0878147	0.174496	0.145231	0.0879226	0.0688504	0.133039	0.143591	0.0556196	0.0501525	0.129266	0.213119
NIN	4.58967	3.98533	4.52691	4.92606	3.33951	4.72421	3.11185	3.52978	3.1054	4.49371	4.06322	3.69283	5.89927	5.43999	5.42743

NINJ1	9.0874	13.736	16.829	14.1683	9.37316	21.5366	14.6662	9.42482	3.54246	9.81835	21.2105	1.24099	6.53921	4.23959	7.55018
NINJ2	1.15954	0.742358	1.10379	1.08035	0.666182	2.79968	2.19444	0.875218	1.39284	0.558211	1.27311	0.988795	0.430429	0.896582	0.980894
NINL	0.676995	0.652375	0.498682	0.630764	1.58461	1.96232	0.370603	0.535722	0.112946	0.483048	0.46064	0.285336	0.553472	1.18266	1.2253
NIP7	3.54282	3.71211	3.484	9.49259	3.68948	8.71867	2.96258	3.36142	6.12571	6.33799	10.4098	4.17735	13.7021	7.04146	3.86969
NIPA1	1.22582	1.20494	1.22039	1.1257	0.692903	1.292	0.569465	1.22051	1.18491	1.8912	1.30053	1.15859	2.65593	1.36944	1.06937
NIPA2	2.53204	2.34287	2.92527	4.889	1.80866	4.67279	1.37212	2.23038	4.33673	5.26614	6.56454	3.17377	9.13887	5.08525	3.54001
NIPAL1	4.45663	5.73517	6.42398	4.51172	1.8239	3.58663	5.93568	6.31537	11.2168	5.08951	4.622	5.15024	8.56141	4.898	1.20985
NIPAL2	9.21099	11.2643	11.6947	8.74829	5.08421	5.22607	8.74932	10.8203	30.7173	8.76882	11.874	11.2161	8.69893	5.30516	3.30539
NIPAL3	3.70126	3.28814	3.33961	2.05925	2.9833	2.86315	3.0799	2.77015	1.35497	1.84883	1.2419	1.41646	2.09529	1.41632	1.28536
NIPAL4	5.87224	12.8269	14.0192	23.6171	16.5	12.6566	11.9749	8.84429	61.7779	24.3958	25.385	26.6497	47.7192	18.6205	7.10541
NIPBL	8.9526	9.41745	9.73772	7.49999	3.34611	7.68241	4.99288	7.69154	8.56502	7.54342	7.48889	5.87531	8.2097	6.79613	6.587
NIPBL-DT	2.03923	1.60341	1.92389	1.03286	0.89637	2.74495	1.69423	1.96653	1.32632	0.958428	2.1355	0.710933	0.971377	1.16103	1.83816
NIPSNAP1	3.35347	3.99951	3.53629	6.33573	5.30553	6.45998	3.81705	3.29303	3.39084	3.8452	6.21593	3.36965	3.45246	3.35929	2.27422
NIPSNAP2	8.60363	4.41798	5.10168	9.09229	1.57861	11.446	3.45463	6.08612	3.37552	7.20376	13.4278	3.23919	6.13217	4.6415	6.6506
NIPSNAP3A	5.18247	3.81855	3.65457	7.01219	1.27	5.25494	3.38769	4.2776	6.66498	7.00105	13.6211	4.1611	4.0754	4.18348	3.31417
NIPSNAP3B	0.350948	0.298729	0.400008	0.136628	0.0908572	0.312109	0.325013	0.336151	0.132974	0.0734126	0.123255	0.0641732	0.0276747	0.0957863	0.296803
NISCH	7.61418	13.6057	11.4696	7.59962	20.0673	10.3762	10.8525	8.19818	6.06973	3.96673	3.07607	6.43392	3.65562	6.22245	8.80129
NIT1	1.73158	2.72991	2.51152	4.26595	5.01385	3.7037	2.30623	1.51376	5.58807	4.67245	4.91381	4.10455	5.32151	3.96217	2.42305
NIT2	7.52013	9.21181	8.81208	11.4463	4.32747	14.0159	6.77751	5.95506	11.7311	10.0784	19.5069	7.96053	7.13107	7.29921	4.55006
NKAIN1	0.324731	0.370163	0.321058	0.359131	0.565935	0.681145	0.651104	0.612383	0.607698	0.417512	1.28751	0.396702	0.178854	0.372553	0.261614
NKAIN2	0.100013	0.0803131	0.0717062	0.0549688	0.010357	0.017032	0.0685151	0.112586	0.0568422	0.0418423	0.0225805	0.0906453	0.0215093	0.0453018	0.0191509
NKAIN3	0.123799	0.0105261	0.0481953	0.0150092	0.0113119	0.0434053	0.0332586	0.0129437	0.00886898	0	0.00822077	0	0	0.00380603	0.0104583
NKAIN3-IT1	0.14791	0.0158368	0.0163149	0.013549	0.00510569	0.0279875	0.0187644	0.0613436	0	0.0041254	0.0037105	0	0	0	0.0188816
NKAIN4	0.0541992	0.0195855	0.0112093	0.0279269	0.0631425	0.0576874	0.0773536	0.0361258	0	0	0.107072	0	0.0174845	0.00708172	0
NKAP	2.61363	2.44119	2.82654	3.31035	1.92787	4.40122	1.50042	1.73884	2.48958	2.93218	6.01631	1.91191	3.0994	2.587	1.69851
NKAPD1	3.78274	3.51015	3.32217	4.41719	2.3715	4.51018	2.2584	2.57808	3.03494	3.54489	4.62736	1.96483	4.49558	2.6417	2.82617

NLE1	1.61208	1.52905	1.53612	2.88771	2.79255	4.03894	2.0719	1.23766	0.894292	1.08052	1.54353	1.09913	2.0421	1.93211	0.90909
NLGN1	0.191806	0.16229	0.185767	0.0915994	0.0290674	0.298757	0.208315	0.203722	0.00569752	0.00587162	0.0105622	0.0133895	0.0150918	0.0122252	0.0470294
NLGN1-AS1	0	0.0273972	0.0235203	0	0	0.0968354	0.0324619	0.0252673	0	0	0	0	0	0	0
NLGN2	1.85802	2.31366	2.52609	4.26582	6.91746	8.90291	3.67979	1.72208	0.570265	2.29449	3.86317	1.53619	3.4228	3.788	9.32134
NLGN3	0.365875	0.226651	0.177763	0.125682	0.288676	0.276923	0.205557	0.129031	0.0212188	0.116625	0.137676	0.0664872	0.029976	0.0758819	0.408678
NLGN4X	0.326069	0.19033	0.217641	1.07872	1.82116	1.69509	0.287958	0.391545	1.92474	1.15198	1.46489	0.693469	0.760306	0.257474	1.4232
NLGN4Y	0.824081	0.720523	0.751684	0.567144	0.658293	1.39243	0.0699437	1.00252	0.216543	0.67156	1.51056	0.394162	0.719874	0.784831	1.2664
NLGN4Y-AS1	0.174008	0.125759	0.0719758	0.0448301	0	0.0740827	0	0.115983	0	0	0	0.0622537	0	0.022736	0.187423
NLK	1.74652	1.72713	1.78576	1.58413	0.802709	2.07197	1.29954	1.8312	1.57738	1.91293	2.84295	1.25904	2.21571	2.06835	1.9164
NLN	1.40018	1.07245	1.21801	2.31033	0.664111	2.27981	1.1685	1.22537	1.27244	1.3415	1.62588	1.1835	2.02401	1.35885	1.35847
NLRC3	0.717858	0.393117	0.495369	0.245388	0.783277	0.354822	0.475784	0.466809	0.0127942	0.105481	0.162075	0.177897	0.250783	0.33126	0.839836
NLRC4	0.0921247	0.0982857	0.097987	0.691685	0.0613292	0.49307	0.0826454	0.105265	0.0961694	0.611166	0.69084	0.0612093	0.517963	0.16508	0.623713
NLRC5	4.20197	7.41621	8.98029	4.57448	7.42132	7.78152	6.10431	5.08853	1.43094	1.82314	2.35455	1.73954	3.17643	2.82963	7.91648
NLRP1	7.03129	11.4504	12.2177	5.14217	14.4174	6.36183	9.80004	7.44945	4.4319	7.39629	2.9514	9.61409	6.60782	8.44859	9.29141
NLRP10	1.62689	2.76007	2.90027	0.425042	6.94068	0.546305	5.88653	1.84294	22.3532	1.49548	2.03056	2.77904	0.221759	0.461069	0.230351
NLRP11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NLRP12	0.0478904	0.0317272	0.0198092	0.185072	0.130288	0.173307	0.0615147	0.0478812	0.00729064	0.390698	0.432498	0	0.142906	0.084475	0.14615
NLRP13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NLRP14	0.0363218	0.0116669	0.010016	0.0311922	0	0.0206184	0.0207355	0.0161399	0.0147453	0.0379897	0.0478366	0.00433154	0.0195289	0	0.0173876
NLRP2	0.328397	0.408513	0.40504	0.479945	1.52962	2.40478	0.020452	0.238659	5.69377	0.674464	0.0202211	0.692115	0.123276	0.0374476	0.321848
NLRP2B	0.0362289	0.0418936	0.0299711	0	0.0112552	0	0.00827301	0.00643945	0	0.00909421	0.00817959	0.0207382	0	0.00378697	0
NLRP3	0.391295	0.124034	0.174631	0.689755	0.647804	1.13545	0.352712	0.233359	0.0501635	1.25364	0.645149	0.114203	1.43505	0.551633	1.01299
NLRP4	0.00629914	0	0.0052111	0	0.00978475	0	0	0	0	0	0.00711095	0.0135216	0	0	0
NLRP5	0	0	0	0	0	0	0	0	0	0	0	0.00426461	0	0	0
NLRP6	0.134017	0.0363214	0.0415756	0.353903	0.169142	0.30668	0.0765081	0.0297758	0	0.126154	0.104011	0.0359598	0.0324251	0.00875539	0.0481163
NLRP7	0	0	0	0	0.0113312	0	0	0.00615886	0.00834327	0	0.00763684	0	0.00436474	0	0.0239606

NLRP8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NLRP9	0.0863547	0.115219	0.137382	0.0205364	0	0.039593	0.0910126	0.0944552	0.00809002	0.175082	0.0224962	0.0760481	0.0257149	0.0972089	0.0381588
NLRX1	3.87528	5.19029	4.89204	12.9274	12.5712	15.4163	4.82185	4.87381	22.1218	9.79595	11.8111	10.1427	8.97378	9.20098	4.16821
NMB	1.28073	0.638728	0.594814	3.19538	2.44315	5.18477	0.769631	0.579088	1.72398	3.32771	8.70009	2.39549	4.56651	2.73618	2.93641
NMBR	0.00885012	0.0127924	0.0219643	0.0091203	0	0	0	0	0	0	0	0	0	0	0
NMD3	5.27685	4.5009	4.98124	5.58732	1.85221	5.75524	3.36975	4.74818	9.03407	7.4994	9.83147	3.93598	8.7858	5.61915	4.94809
NME1	14.2786	9.19319	7.7446	38.8137	16.6073	35.9724	11.9875	6.94892	20.9512	29.9509	56.3672	21.5232	25.0111	21.2391	10.5729
NME1-NME2	0.80967	0.60243	0.369046	2.48207	5.42741	0.987448	1.05887	0.636632	1.10131	0.747521	1.6715	1.31775	1.15035	0.88737	0.823386
NME2	54.4275	39.5837	39.3213	124.867	59.5073	119.332	51.8796	32.4973	60.4741	106.463	221.981	64.667	92.8141	75.4941	44.6435
NME3	6.1167	6.43308	7.26927	7.45594	14.8547	9.75583	4.404	3.3468	3.05761	5.84376	14.1449	4.40933	5.4632	4.79528	5.11328
NME4	3.30295	2.51928	2.2971	6.76142	6.81766	10.4203	2.37777	2.81598	1.41814	6.19724	18.7696	2.89211	4.40658	5.06763	5.29017
NME5	0.0943844	0.0272855	0.0312326	0.0194532	0	0.0964405	0.043106	0.100657	0.0919597	0.0473848	0.213096	0.0135069	0.0487171	0.00986588	0.0542192
NME6	1.98229	1.88995	1.99336	2.93788	1.53415	2.20082	1.68749	1.59362	3.03696	2.08357	2.79917	1.77924	2.57148	2.36127	1.8107
NME7	1.79469	1.38465	1.3307	2.06537	0.401312	1.591	0.862169	1.29942	0.746918	2.23297	3.25244	1.00643	2.18197	1.78985	1.54558
NME8	0.0600858	0.0434254	0.0414227	0.0722402	0	0	0.011434	0.0978987	0	0.025138	0.0791343	0	0.0387671	0.0209356	0
NME9	0.823644	0.761161	0.664622	0.271334	0.293634	0.201199	0.416247	0.899983	0.147999	0.160995	0.0685912	0.198057	0.0609816	0.426944	0.368431
NMI	2.62883	2.62369	2.47248	10.7234	1.11809	6.99503	0.857574	2.04425	4.66902	4.53674	8.62022	3.00063	6.04742	2.82966	3.37083
NMNAT1	0.795131	0.95982	0.84075	1.00933	1.16968	1.24199	0.601228	0.84704	1.09664	1.3086	2.02109	0.870361	1.25706	1.26598	0.892352
NMNAT2	0.698507	1.15472	1.56087	0.252355	0.386617	0.201675	1.01754	0.816998	0.132006	0.428272	0.380668	0.255645	0.323759	0.740632	0.818658
NMNAT3	2.10104	2.42042	2.61373	1.04189	2.18394	1.25096	3.09332	1.86021	2.68389	0.406458	0.873826	0.842103	0.540194	0.309614	0.136122
NMRAL1	4.01275	5.01753	4.67357	8.80773	8.02218	11.0556	4.8031	3.74	6.23067	8.44521	7.69126	6.17618	12.6087	4.74572	3.77805
NMRAL2P	1.10819	2.16681	2.33456	0.584288	1.16094	0.724163	2.5453	1.07648	1.36534	1.00273	0.8437	1.88092	0.590287	1.18531	0.647702
NMRK1	2.93348	4.12408	3.21548	5.05279	1.72504	4.08571	1.65075	2.53255	5.63968	4.18149	6.3274	3.57577	2.58213	2.50782	2.60294
NMRK2	0	0.00977272	0	0	0	0	0.0231586	0	0	0	0	0	0	0	0
NMS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NMT1	6.52183	7.48919	6.99046	12.4532	12.311	14.1165	7.41944	5.65326	8.02344	7.32549	7.96519	6.29984	11.7545	7.15064	6.82102

NMT2	2.78028	2.17681	2.28113	2.97826	1.66925	3.24345	2.22941	2.34896	1.5538	1.93416	1.87386	1.46257	1.59615	1.379	1.3791
NMU	4.97112	4.4236	2.67605	4.21596	1.92123	4.65814	6.46342	2.51546	21.6969	3.64206	7.81351	4.40792	2.28657	2.72244	1.12724
NMUR1	0.0706874	0.0272466	0.0701731	0.0218536	0.0439208	0.0722273	0.112992	0.0628211	0	0.053232	0.111716	0.0151736	0.00456071	0.0147777	0.0913644
NMUR2	0	0	0.00927595	0.011555	0	0	0	0	0	0	0	0	0	0	0
NNAT	2.97071	3.00838	2.60474	1.22823	3.17767	2.43864	2.98564	2.45041	0.476621	0.960044	0.381543	1.82014	0.252497	2.20342	1.68609
NNMT	17.2473	4.22567	6.34546	36.6359	8.99868	75.6895	9.56153	9.4366	1.10742	26.9116	78.4431	2.85436	17.5623	12.2949	44.5889
NNT	4.85875	3.68792	3.8638	4.69381	2.69284	7.96196	4.22851	3.23576	1.92519	3.77498	5.59899	2.61411	5.071	3.58771	4.25227
NNT-AS1	0.592687	0.67588	0.776575	0.767069	0.8922	1.002	0.827873	0.669889	0.230331	0.529289	0.912895	0.280669	0.231577	0.423287	0.804754
NOA1	6.06515	5.45296	5.80754	6.40735	7.89051	8.76303	5.26624	4.5144	6.79276	5.85274	9.49606	4.50697	6.52856	5.00708	3.88098
NOB1	8.50101	8.17928	8.34859	14.6724	11.0582	17.63	7.47316	6.37306	6.95513	7.44584	13.232	6.04537	13.7204	8.34084	5.65484
NOBOX	0	0.0375986	0.00922233	0	0.0173165	0	0.101827	0	0.0135769	0	0	0.00797662	0	0	0.0160098
NOC2L	7.19444	9.50371	8.98824	16.7739	19.3245	22.3863	9.12871	6.01535	12.648	8.2332	6.00636	9.3907	18.2512	11.855	6.80296
NOC2LP2	0.0169896	0.00409962	0	0	0.0398254	0.0145089	0	0.0075229	0	0.0106794	0	0.018241	0.0765981	0.00443571	0
NOC3L	2.10753	2.27676	2.60428	4.07055	0.864756	3.51006	1.71014	2.23228	1.77573	2.91135	4.2196	2.1956	2.95471	3.65084	2.51271
NOC4L	2.58213	2.6669	2.90876	5.7607	6.18709	11.8002	3.35592	2.25817	3.47929	3.18913	4.46539	3.77379	6.07019	4.31421	2.44588
NOCT	1.74973	2.56848	2.44145	8.49882	3.76886	3.22805	1.71809	2.11482	9.29103	10.2045	10.7057	6.34335	19.5227	9.83375	5.61198
NOD1	2.64824	2.51934	2.43468	2.39542	3.70077	3.61695	2.84159	1.94553	1.39486	1.81354	1.89845	2.15768	1.86453	2.18725	3.51171
NOD2	4.7147	4.23697	3.66434	6.27705	11.1176	3.76306	3.77729	4.02545	9.10058	5.06939	3.51996	6.62874	4.7114	3.12855	1.53819
NODAL	0.668748	0.353906	0.47161	0.158169	0.238412	0.158694	0.625864	0.487154	0.120166	0.192637	0.0866316	0.196109	0.0778065	0.200542	0.0629774
NOG	0.110089	0.0117872	0.0303577	0.0126055	0.0190006	0.187478	0.0977632	0.0217417	0.0297945	0.0153525	0.0276169	0.0262571	0.0157841	0.031965	0
NOL10	4.6114	3.24513	3.15262	5.31128	1.35657	5.67297	2.2511	3.57494	3.25529	3.09735	4.02563	2.93035	5.07548	4.33962	2.88847
NOL11	4.69209	4.32176	4.42158	9.15273	1.19191	7.05184	3.36342	5.33784	4.85513	5.70093	10.1455	4.28505	11.4209	6.292	4.59785
NOL12	2.02094	2.67773	2.33926	3.17435	5.11389	3.59426	2.13997	1.89019	2.89796	2.03533	3.3117	2.25069	2.29234	2.87057	1.40435
NOL3	4.07209	8.19139	7.81005	5.61207	20.5462	10.571	5.29234	4.41677	13.4055	6.87061	12.2398	6.79464	4.38062	3.83901	2.81402
NOL4	0.0287194	0.00922496	0.00791957	0.00986539	0	0.0122271	0.0163954	0.0170156	0	0.00600763	0	0	0	0	0.00687412
NOL4L	1.3336	1.06881	1.27131	1.41821	1.58292	2.59474	1.43288	1.27547	0.470891	1.36536	1.82358	0.64006	1.4397	2.17831	3.64692

NOL4L-DT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOL6	4.54466	5.34681	5.20358	9.84834	9.6002	12.8964	5.82603	4.40766	5.17481	3.51339	3.83834	6.86549	9.12593	7.15311	5.47207
NOL7	6.68904	4.414	5.07254	10.2219	7.62064	10.3495	3.15061	3.88452	6.67913	7.82432	12.9241	5.04589	10.2859	7.98871	4.52142
NOL8	3.6204	3.41158	3.48934	4.20979	1.32687	4.11531	1.31387	2.60782	2.57116	2.83304	3.05774	2.94835	3.50095	3.25465	2.68865
NOL9	3.5549	3.26446	3.47712	5.21976	3.16537	4.91769	3.45509	3.12559	2.11644	2.38018	3.04384	2.56583	5.40587	3.95737	2.82747
NOLC1	7.03621	5.46302	5.2952	17.4517	5.37879	17.6809	4.83221	5.77657	7.29131	6.15328	6.35699	7.43305	17.3087	10.5997	6.59702
NOM1	2.3029	2.19893	2.35225	2.63994	2.31778	2.13589	1.68815	1.94174	1.11723	0.793058	0.829316	1.77578	2.32817	2.23015	1.44863
NOMO1	10.0566	8.29821	8.43342	15.4132	10.8238	25.7932	11.3991	8.2149	18.2932	13.0776	12.5617	9.72193	18.4234	10.7391	10.4199
NOMO2	7.9663	6.34865	7.91159	10.0873	7.6401	19.1684	8.88438	6.645	16.4749	9.52814	9.26646	6.82469	14.417	9.26434	12.11
NOMO3	5.84775	5.21823	4.44394	7.97615	4.21817	5.21555	7.48111	3.75354	5.16318	5.30183	5.54102	7.23925	9.41987	5.80035	1.19286
NONO	23.51	23.515	23.7443	38.7604	25.727	47.9477	22.8027	19.1167	21.2926	24.2625	27.9115	18.8083	35.6351	24.9053	22.2164
NOP10	14.4482	15.2566	13.7776	37.8473	10.9527	37.2388	17.9288	10.4184	50.4707	68.0295	121.594	35.5023	58.0246	44.358	20.563
NOP14	5.9275	6.20009	6.123	10.2236	7.61257	12.6886	6.24879	5.30697	7.0549	4.68758	3.69113	6.23096	10.1163	7.30643	4.58548
NOP14-AS1	1.25466	1.35301	1.47796	1.76363	1.31675	1.82778	1.76754	1.32957	1.64146	2.20528	2.4842	2.32233	4.06617	2.50237	1.33886
NOP16	4.64632	4.392	4.44841	9.74113	5.5974	11.0784	4.9266	2.54539	8.34032	6.15506	10.0153	7.74818	9.19435	8.86872	2.82348
NOP2	3.72648	4.0735	3.84068	8.20051	5.89706	10.3983	3.57224	3.02201	5.09631	3.77093	3.12	5.4328	13.5293	7.40905	3.57895
NOP53	91.447	83.0659	97.338	73.1941	132.294	116.346	68.5947	60.2164	58.0565	39.8107	55.6156	29.6482	33.7584	33.4496	26.6633
NOP53-AS1	0.34286	0.474936	0.390002	0.132498	0.732298	0.437911	0.5872	0.609411	0	0.215162	0	0.183994	0.138257	0.425585	0.184646
NOP56	9.50175	8.142	8.41602	23.839	10.7894	21.0207	8.01073	6.53817	10.4491	10.1394	13.5324	11.7543	22.8281	17.6693	9.51457
NOP58	10.0237	8.71949	9.31482	14.7234	3.06475	11.2385	4.57015	6.74166	7.34677	8.51056	11.354	6.7747	14.4928	11.2422	5.35755
NOP9	4.76986	6.57743	6.22552	8.22797	8.82875	11.458	6.59355	4.93237	5.90333	6.75393	2.72833	7.68173	8.5424	7.24476	5.03265
NORAD	43.6956	36.6236	39.5184	39.8178	25.4163	54.1462	30.9333	40.7629	36.4659	37.0822	48.1009	23.3651	50.0552	30.0327	47.4272
NOS1	0.965676	1.45545	1.18381	0.934268	2.06219	0.790817	4.73292	0.55464	1.80572	1.85164	0.362682	2.0174	2.01092	0.696745	1.03151
NOS1AP	0.228573	0.328771	0.40043	0.169736	0.255847	0.309114	0.33006	0.370426	0.0655004	0.0464076	0.125221	0.0697494	0.0173499	0.0386496	0.111029
NOS2	0.0385167	0.0477204	0.0637275	0.0510334	0.0170942	0.0749634	0.0251298	0.0440106	0.00670129	0.0414364	0.0683266	0	0.0177506	0.0143789	0.063217
NOS2P3	0	0	0	0	0	0.00694852	0	0	0	0.0102422	0	0.00583902	0	0.0255901	0

NOS3	1.23975	0.655653	0.612145	2.5791	2.39965	6.97366	1.29247	0.694301	1.22693	1.16634	1.57719	1.61479	2.55729	3.01899	6.22872
NOSIP	5.11299	5.11341	5.18989	10.6941	12.4359	12.0155	5.85706	3.22864	12.1673	11.9481	21.3977	6.79948	12.7507	7.77953	3.69561
NOSTRIN	3.41522	1.08778	1.40586	0.905252	0.459088	1.87343	0.665521	1.41544	0.359944	1.17465	2.34473	0.399448	0.386669	1.23144	1.16722
NOTCH1	10.4855	13.5829	10.6933	15.6613	35.5697	28.5581	13.8693	10.157	5.75614	8.05712	5.99895	7.7761	13.3337	10.1121	14.1831
NOTCH2	19.5993	22.1124	24.6693	16.778	25.3197	21.0169	27.1472	18.5547	34.5179	19.1351	13.5714	20.1352	27.0067	14.8961	17.1871
NOTCH2NLA	0.515905	1.11319	1.20286	1.10743	3.69E-05	0.145525	0.227497	4.06202	0.285	0.193681	0.0855722	0.121177	0.837896	0.419226	0.116204
NOTCH2NLB	14.3913	17.8631	19.1274	8.20942	6.02643	8.01435	14.4505	19.3298	7.88797	11.0891	7.43542	12.5716	10.1092	12.0235	11.8446
NOTCH2NLC	4.83925	5.63943	6.16802	1.64573	3.05102	5.15779	5.45227	0.165659	2.94498	4.90091	7.65419	2.68631	7.44609	4.137	4.50322
NOTCH2NLR	6.08448	6.12539	6.02302	9.84457	25.0004	10.5957	7.27586	0.208764	18.3569	15.8515	19.6471	9.46934	15.1086	5.42757	2.02095
NOTCH3	23.8226	40.2079	40.6656	35.176	105.482	75.4131	44.8399	23.8677	40.9392	34.8772	26.8637	48.9398	57.8993	33.8769	65.2496
NOTCH4	0.186867	0.192506	0.129394	0.323434	0.861175	0.665024	0.181531	0.139922	0.0672688	0.173635	0.236589	0.202039	0.306407	0.353428	1.03935
NOTO	0	0	0.0264441	0	0	0	0	0	0	0.04012	0	0	0	0.0167066	0
NOTUM	0.553262	0.492903	0.43179	0.0753032	0.437811	0.115552	0.321808	0.16699	0.0635671	0.235834	0.176763	0.21661	0.518605	0.523759	0.314823
NOV	4.07517	1.89917	2.70143	1.43043	1.13335	6.47775	6.32916	1.59733	0.552659	0.435536	0.592623	0.636658	0.838154	0.469686	0.868924
NOVA1	0.657994	0.369004	0.562186	0.116719	0.0754002	0.80367	1.58261	0.417009	0.0197056	0.101539	0.109592	0.0347321	0.0800352	0.109934	0.364043
NOVA2	0.698282	0.35392	0.297586	0.781903	1.23493	2.01281	0.824887	0.448641	0.125171	0.572895	0.740499	0.374189	1.1663	1.16437	2.18363
NOX1	0.192172	0.10141	0.174119	0.0565826	0	0.0701281	0.177623	0.154521	0.0445799	0.0459421	0	0.0589305	0	0.00478275	0
NOX3	0	0	0	0.0116681	0	0	0	0	0	0	0	0.016203	0	0	0
NOX4	0.537611	0.053878	0.0426959	0.270363	0.100211	0.875254	0.294636	0.152891	0.109998	0.998639	1.75271	0.22465	0.843573	1.11492	1.2415
NOX5	0.111051	0.146562	0.0979939	0.152589	0.251357	0.111201	0.177512	0.0879196	0.441809	0.186163	0.270047	0.23838	0.253231	0.13982	0.0744256
NOXA1	1.5731	2.66305	2.21587	1.69415	6.80237	2.57035	1.14887	1.17133	1.13916	1.22733	1.74384	3.34637	0.438901	1.22956	0.671647
NOXO1	0.353653	0.313528	0.386188	0.379028	0.878953	0.566126	0.258425	0.364585	0.465166	0.124284	0.303415	0.495974	0.374207	0.487963	0.406312
NOXRED1	0.211978	0.216285	0.288834	0.1285	0.0581075	0.276054	0.199319	0.210552	0.151862	0.0939016	0.140763	0.151676	0.104587	0.0782041	0.14326
NPAP1	0.00287384	0.0069233	0.00237744	0	0.0491048	0.00244704	0.00656252	0	0	0	0	0.0102816	0	0.00450599	0
NPAS1	0.163517	0.661792	0.712435	0.247146	0.897459	0.297029	0.809025	0.310016	0.597435	0.150502	0.18459	0.327602	0.0984667	0.0512766	0.0313107
NPAS2	5.8898	3.45883	2.22345	7.33833	6.13219	5.27593	3.77486	4.06832	3.20291	3.09766	4.63919	2.3615	3.57259	4.97235	3.1294

NPAS3	0.247519	0.15839	0.262356	0.0757256	0.102128	0.167949	0.172215	0.226849	0.00471017	0.0242705	0.00873183	0.0304402	0.00998114	0.0687248	0.138855
NPAS4	0.0280352	0.0270156	0.0579817	0	0	0.0417753	0.0480145	0	0.00853593	0.0263903	0.0395603	0.01003	0.0180882	0.0476204	0.0301966
NPAT	2.71273	2.67043	2.91835	2.53114	0.591924	2.48331	1.6628	2.97416	1.9207	2.13565	2.65772	1.58197	2.16406	1.69187	2.01564
NPB	0.136474	3.31E-15	0.127609	8.51E-24	0.83015	4.85E-13	0.17868	3.53E-11	0.513662	0.666319	2.13771	1.19124	0.0928487	0.453809	0.807937
NPBWR1	0	0	0.0581932	0.0241637	0.509917	0	0.13386	0.041677	0.285569	0.382583	0.238228	0.301996	0.0756422	0.0245098	0.0673482
NPBWR2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NPC1	4.86831	6.58157	6.27247	10.7802	6.81641	11.6042	7.13041	5.56756	10.0791	11.2464	12.0479	7.16266	14.1437	7.18114	6.87139
NPC1L1	0.0396662	0.0573354	0.0692755	0.00908383	0.0410769	0.0150112	0.0251609	0.00783379	0.0107353	0.00553169	0.0149261	0.00630717	0	0.00460696	0.0126591
NPC2	25.7041	18.122	17.0802	35.4615	21.4799	47.5207	25.7293	18.9178	32.2594	43.8916	91.8205	30.9438	35.3055	20.4515	22.2263
NPDC1	10.6022	4.39313	4.42303	8.64704	23.2446	14.6376	6.38119	5.30343	1.51258	3.64987	10.9256	3.43544	5.41375	7.86845	14.8345
NPEPL1	5.60471	5.82776	5.68395	5.68243	9.06338	13.742	5.60835	4.30078	3.56397	4.56843	5.3605	5.43792	4.46717	4.85667	6.6047
NPEPPS	11.5098	14.8353	14.8796	39.7885	17.3796	26.0786	13.6902	11.5892	25.1444	37.9213	22.585	26.9496	51.8547	28.5875	15.2244
NPFF	1.82561	1.881	1.69615	1.01303	2.57403	0.884857	1.12238	1.17315	0.615705	0.493515	0.38047	1.18569	0.126848	1.37983	2.13777
NPFFR1	0.035306	0.0765493	0.0584151	0	0.109685	0	0.0201556	0.0156885	0.0429987	0	0	0	0.0227792	0.0184524	0
NPFFR2	0	0.0182126	0	0	0.0293582	0.0241397	0.0107897	0.00839837	0	0	0.0106679	0	0	0	0
NPHP1	0.479692	0.291945	0.382911	0.225487	0.104579	0.530271	0.230609	0.284207	0.0204986	0.29575	0.532013	0.132476	0.157462	0.263903	0.338406
NPHP3	2.45041	2.65368	2.35804	2.11896	1.40408	1.86125	1.46879	2.0157	0.36154	1.50923	1.46387	1.25383	1.09452	1.8587	1.82728
NPHP3-ACAD11	1.15368	0.880245	0.98748	0.382852	0.295013	0.412079	0.827484	1.0446	0.520269	0.453446	0.386312	0.704878	0.191543	0.69526	0.892136
NPHP3-AS1	0.0432522	0.0600389	0.0482621	0.0347692	0.0383087	0.012435	0.0227515	0.0331008	0	0.0116865	0.0275666	0.0166646	0.00929072	0.0221823	0.0806544
NPHP4	1.14132	1.54335	1.50238	1.7985	2.84695	3.05897	2.68711	1.192	0.95783	1.14991	0.945148	1.38272	1.40975	1.41016	2.33899
NPHS1	0.0046065	0	0.00381082	0	0	0	0	0	0	0.0115633	0	0	0	0	0
NPHS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00645441	0
NPIPA1	5.93628	14.5548	15.9538	9.56618	3.26131	14.6209	4.60285	6.3256	4.05939	1.8184	3.3435	5.90361	1.51775	2.88254	8.97917
NPIPA2	0.718584	0.984746	1.04239	1.05178	0.270026	0.646931	0.448255	0.835886	0.295228	0.243708	0.187012	0.338241	0.0327074	0.455743	0.992451
NPIPA3	0.454784	0.623235	0.659727	0.665666	0.170897	0.409445	0.283697	0.529026	0.186847	0.15424	0.118358	0.214069	0.0207001	0.288432	0.628113
NPIPA5	2.31976	1.53754	0.156525	2.77407	1.01748	2.39541	2.02277	3.99385	1.71163	0.484765	4.09E-06	1.1157	0.806266	1.58533	3.07642

NPIPA7	2.21E-06	1.11E-05	1.67E-05	0.0163911	5.13E-18	1.61798	3.94E-11	3.19E-06	2.50E-06	0.132448	0.0272489	0.0659563	1.1816	1.12332	5.41E-10
NPIPA8	0.898863	1.19535	1.01834	0.467714	0.545238	0.566162	1.07104	1.39382	0.242777	0.228397	0.231754	0.547231	0.159143	1.04257	1.35431
NPIPB11	1.38592	1.95608	1.82796	0.576402	2.69115	1.30963	1.82428	1.63167	0.220919	0.517946	0.110905	1.08446	0.457985	1.06424	2.29231
NPIPB12	1.31212	1.33084	1.17713	0.0911749	1.03194	0.598649	0.828916	0.501936	0.142466	0.452147	0.345066	0.677196	0.136306	0.499906	1.50025
NPIPB13	1.57765	2.86362	2.89064	1.25833	1.10802	1.38825	1.17856	2.93896	0.0774035	0.59312	0.175212	1.21355	0.326178	1.11132	1.78546
NPIPB15	0.172505	4.01144	5.95882	1.46881	1.12834	2.44282	0.0717902	0.294637	0.645645	0.627792	0.512572	0.114713	0.640872	2.19072	1.26024
NPIPB2	0.164135	0.0474497	0.0814705	0.253719	0.0509917	0	0.112442	0.14587	0	0	0	0.0469772	0.180029	0	0.141431
NPIPB3	14.7617	24.3053	25.0463	11.046	21.439	21.9081	15.1492	16.1211	3.53845	6.16676	5.02672	17.4007	2.53013	11.6795	12.8163
NPIPB4	3.92404	4.04111	3.1943	2.72805	3.37881	2.47129	4.27652	5.54127	0.49135	1.23177	0.835877	3.54799	0.377153	2.75822	4.21976
NPIPB5	21.4801	29.3365	34.1616	10.1989	10.5538	12.7227	14.7302	28.7036	3.08043	5.52175	3.19634	14.599	1.51513	13.0836	11.5425
NPIPB6	0.208394	0.123348	0.197702	1.34E-08	0.0422035	6.64E-15	0.882221	0.0820642	0.100201	0	0	0.0323048	3.87E-15	0.0128265	0.0250633
NPIPB8	3.01E-17	5.02E-13	9.92E-11	0.0370521	1.52E-19	8.29E-15	0.00777691	1.68E-06	1.56E-16	4.13E-33	0.0229661	3.41E-37	0	1.28E-34	1.75E-24
NPIPB9	0.307164	0.445601	0.475341	0.142885	0.37881	0.275396	1.67546	0.302357	0.0420417	0.147759	3.93E-05	0.103804	0.0216834	0.165994	0.09415
NPL	1.50583	0.848804	0.858708	3.16387	1.39663	4.63708	0.701078	1.56563	0.997091	2.58725	5.33076	0.857787	1.00929	1.36772	2.65597
NPLOC4	10.1305	11.4016	11.7005	16.0327	17.2004	19.0091	13.7643	8.62818	26.0463	17.6028	14.2529	14.5401	26.7658	13.6592	11.2712
NPM1	74.2418	52.7575	53.4734	157.228	34.8323	138.63	31.697	52.733	62.7689	109.518	151.327	68.7151	171.315	113.707	57.6141
NPM2	0.0672372	0.116625	0.200244	0.0692899	0.438659	0.0229006	0.307077	0.0239019	0.0818874	0.0168779	0.0910829	0.019244	0.0520573	0.0562258	0.0965611
NPM3	4.01111	2.17419	2.51054	11.2313	4.71397	13.7965	3.43482	2.18106	2.12115	6.19358	12.2138	3.37987	8.83648	8.41311	3.3729
NPNT	1.93144	0.801019	0.715988	1.11866	1.40516	2.45648	1.41248	0.795241	1.72103	2.26459	1.94852	1.3925	1.70991	1.59468	2.07157
NPPA	0.162598	0.274197	0.134512	0.167562	0.33676	0.299974	0.340356	0.192671	0.0990128	0.102038	0.0305921	0.174514	0	0.099144	0.0778369
NPPA-AS1	0.469652	0.503245	0.475092	0.565427	0.49229	0.538028	0.953724	0.400377	0.0289812	0.330424	0.231888	0.238537	0.0752634	0.181093	0.711351
NPPB	0.0331562	0.0159752	0	0	0	0	0	0	0	0	0	0.0237242	0	0	0
NPPC	0.0893554	0.487932	0.197123	0.153472	0.1388	0.329701	0.0680154	0.0529411	0.108825	0.0747668	0	0.0852482	0.0576517	0.15567	0
NPR1	2.23965	0.799332	0.956134	2.19405	2.68867	4.18135	1.55324	0.869885	0.262662	0.825945	1.24854	0.46691	1.49853	1.30638	3.03376
NPR2	1.97694	1.5962	1.9689	4.65141	3.3853	5.10747	4.72167	1.84089	8.08568	1.90541	3.31322	3.59191	2.69033	2.38716	2.53875
NPR3	5.32955	2.69598	1.65712	1.289	2.97542	3.14885	4.41892	1.82048	4.48909	2.3283	1.48705	2.67632	2.17154	0.866903	0.850433

NPRL2	1.71069	2.08754	2.06534	2.49389	2.47193	3.20863	1.62618	1.18525	1.20263	1.3046	2.53686	1.64201	1.35499	1.45082	1.31491
NPRL3	2.72443	3.49577	2.79621	4.90955	5.47666	7.08976	4.54955	3.12042	1.33964	1.408	3.96367	2.51755	4.29575	2.9544	4.40433
NPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NPSR1	0	0.0169807	0	0	0	0	0.0134132	0	0	0	0	0	0	0.0245595	0
NPSR1-AS1	0.00747998	0.00540595	0	0	0	0	0	0	0	0.0140822	0	0	0	0.00781873	0
NPTN	13.8255	13.4042	13.9807	19.4179	10.4449	20.6374	14.1058	12.1361	17.2973	21.0452	29.5324	15.5946	30.8007	18.9018	16.8485
NPTN-IT1	3.3569	3.49154	3.51173	1.49174	2.15198	1.68628	3.74154	2.74656	0.421811	1.11462	0.721813	2.15413	0.595896	3.55998	2.42322
NPTX1	0.0255395	0.229699	0.292272	0.0219327	0.0793434	0.0724885	0.486003	0.0907896	0.0207362	9.36532	10.8789	8.10765	22.6544	4.76303	11.144
NPTX2	0.972469	0.300037	0.254051	1.74938	0.75529	2.24444	0.360371	0.902155	0.571401	0.856525	1.18446	0.347914	2.84546	2.35402	3.80999
NPTXR	0.501466	0.162994	0.293028	0.307604	0.908775	0.555767	0.50894	0.258201	0.0484706	0.414599	0.961459	0.113909	0.346653	0.305769	1.0974
NPVF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NPW	0.0455572	0.340227	0.226129	0.399058	1.16764	0.465496	0.234071	0.222681	1.27612	0.0285895	0.411427	0.782337	0.191056	0.0714305	0
NPY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NPY1R	1.13446	0.671001	0.912618	0.0886901	0.279523	1.0326	0.946904	1.34197	0.0190572	0.00981978	0.0706575	0.0111964	0	0.0122673	0.0898887
NPY2R	0	0	0	0	0	0.0162949	0	0	0	0	0	0	0	0	0
NPY4R	0.18003	0.613458	0.313231	0.0618682	0.364907	4.96E-06	0.29456	0.367139	0.0722468	0.328291	0.162874	3.13E-06	3.38E-06	0.104087	0.131166
NPY4R2	0.395848	0.1723	0.356734	0.163374	0.276512	0.271988	0.495938	0.114757	0.0386368	0.0379493	0.303011	0.171419	0.185483	0.0681818	0.212876
NPY5R	0.0935073	0.0418351	0.0718304	0.006883	0.0518747	0.0796202	0.129641	0.172139	0	0	0	0	0	0	0.019184
NPY6R	0.18595	0.164255	0.16665	0.0718601	0.060176	0.0461808	0.132695	0.254771	0	0.0486222	0	0.0443508	0	0.040494	0.022254
NQO1	2.81695	0.842728	0.961284	1.21561	1.01188	4.18255	2.0906	1.4082	0.868405	4.57414	10.4541	2.25496	2.22073	4.22819	2.95828
NQO2	5.26136	3.61266	3.59518	5.56528	6.96662	12.0881	4.24742	3.61504	7.98853	3.57814	5.56002	4.32022	3.92549	4.82731	4.02764
NR0B1	0.0146013	0	0	0	0	0	0	0.0129764	0	0	0	0	0	0	0
NR0B2	0.0182085	0.0250926	0.0150634	0	0.0848524	0.0155043	0	0	0	0	0	0	0	0.0285497	0
NR1D1	6.55801	19.0593	23.7242	3.3064	5.17915	16.4105	46.3263	9.83617	10.7445	5.66495	6.8264	12.7836	12.7507	3.95079	7.06026
NR1D2	4.98802	5.99915	7.67836	1.63104	0.69309	6.20074	6.79108	4.21981	7.61282	6.31865	6.64779	4.31606	7.95481	2.56517	7.21792
NR1H2	10.0544	9.49663	9.78338	14.4925	21.1567	24.0243	11.973	5.71759	18.6241	12.4248	18.0755	10.4032	18.368	9.47973	9.54149

NR1H3	1.05415	0.512567	0.73606	1.51489	1.4572	2.32223	1.00484	0.713378	0.494691	0.63119	1.69225	0.235279	0.499182	0.414474	1.02779
NR1H4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NR1I2	0.0152257	0.0122266	0.0209929	0	0	0.0345719	0.0115895	0.0180418	0	0	0	0.00363146	0	0.00795761	0.021866
NR1I3	0.0535174	0.136698	0.176972	5.75E-40	0.281699	0.0158332	0.219965	0.0603647	3.72E-36	0.0414932	0	0.0361683	0.0576604	0.0712539	0.0578811
NR2C1	2.2413	1.87689	1.81615	1.96773	0.404458	1.60413	1.18917	1.71964	0.876721	1.39692	2.15552	1.32607	1.01785	1.72108	1.70838
NR2C2	8.27307	6.67808	7.13826	5.38717	4.54384	6.42563	7.98213	6.52759	3.95052	4.61976	4.505	3.86591	5.22047	5.2213	5.77886
NR2C2AP	2.6177	3.00727	3.16358	6.21782	5.80708	6.47313	2.24648	1.8518	3.94252	2.43355	5.50006	2.05299	4.395	3.30895	1.88414
NR2E1	0.0690425	0.0565517	0.0628285	0.0426902	0.16087	0.0587888	0.0472983	0.0122718	0.193398	0.00866554	0.0467642	0.0197607	0.00445459	0	0
NR2E3	0.148089	0.186307	0.136122	0.0932618	0.102237	0.021016	0.140903	0.0877396	0	0.0206519	0.0278624	0.0353206	0.00530813	0.133296	0.0590763
NR2F1	0.366463	0.119707	0.149013	0.243232	0.8008	0.43368	0.234029	0.160081	0.242067	0.304034	0.715194	0.12444	0.348649	0.223992	0.517367
NR2F1-AS1	0.188629	0.0677501	0.0539072	0.088358	0.175803	0.116811	0.0626532	0.0518153	0.075184	0.142049	0.344573	0.0588956	0.0685959	0.0932083	0.379253
NR2F2	6.56794	2.23927	2.54751	2.94315	6.019	11.2912	4.74418	3.01952	0.548951	2.91895	5.61421	1.11119	3.75126	3.65837	9.67711
NR2F2-AS1	1.14707	0.419061	0.323264	0.0389699	0.744046	0.386392	0.388588	0.313667	0.0153517	0.142387	0.498037	0.0631352	0.0243983	0.355752	1.06805
NR2F6	6.85055	6.60758	7.0257	12.176	26.9419	14.5173	7.19189	4.50344	17.4832	14.1853	14.0476	11.4099	14.4517	8.62916	4.40326
NR3C1	8.37665	7.67238	7.7518	7.30848	4.87327	7.46187	7.77321	6.60068	5.0339	6.99068	8.62196	4.54041	6.27145	4.6812	6.28389
NR3C2	3.69009	2.02592	2.55126	0.494984	0.710574	1.5548	2.84653	2.14113	0.120709	0.177028	0.284021	0.144565	0.169707	0.207204	0.684326
NR4A1	2.25442	1.24198	1.64161	1.36128	1.28585	11.1328	3.61302	1.99311	1.22266	1.98952	3.1348	8.6872	6.60597	8.93833	13.8358
NR4A2	1.21909	0.577902	0.623546	0.506576	0.49887	2.52254	1.09258	0.698984	0.486923	0.98715	1.20603	2.16196	3.72557	2.45269	3.56741
NR4A3	0.315371	0.190821	0.221459	0.888076	0.182281	3.01945	0.284714	0.345455	0.209907	0.73181	1.31228	0.464431	1.33442	1.67892	4.8662
NR5A1	0.0149551	0.0216168	0.0309298	0.00770584	0.0232305	0	0.0256129	0.00664543	0	0	0	0	0	0	0.0214774
NR5A2	0.744121	0.433223	0.491006	0.575129	0.261448	0.546865	0.424807	0.515667	0.129465	0.572599	1.00502	0.0982476	0.334357	0.430579	0.896904
NR6A1	0.980182	1.30686	1.2127	0.395017	0.858228	0.689039	1.0212	0.701699	0.682297	0.557514	0.237435	0.991262	0.304385	0.452042	0.353996
NRADDP	0.365898	0.517967	0.491882	0.188534	0.461797	0.136306	0.574435	0.406475	0.278514	0.688859	0.438869	0.654525	0.0885283	0.382469	0.0985267
NRAP	0	0.0100729	0.010377	0.00430887	0	0	0	0.00371592	0	0	0	0	0	0	0
NRARP	2.90502	6.80697	7.14398	6.95196	8.17463	11.7514	4.56698	3.93931	9.20523	8.91023	9.30993	15.0811	17.1707	7.84528	5.05963
NRAS	5.35709	5.01455	5.60956	9.5741	2.31644	7.96381	4.78764	6.85279	8.78349	12.9909	12.705	7.13834	18.6228	9.38805	7.26066

NRAV	1.29318	1.97503	1.77629	3.33165	2.80468	3.03329	1.7551	1.34443	2.08012	4.37924	4.43461	2.54895	5.91132	3.58978	1.99733
NRBF2	3.43311	3.4901	3.22282	11.4292	2.32601	6.14712	2.66881	3.53793	32.6192	14.1339	19.2129	10.0612	17.508	8.07426	3.96878
NRBP1	11.6391	11.2309	11.7959	18.4172	13.6398	22.8627	12.6817	9.22197	23.4572	22.7296	24.7003	13.2023	32.0255	15.4108	11.5728
NRBP2	4.52542	8.32931	7.09152	5.63729	11.3071	6.97094	6.21031	5.02175	2.42262	6.5927	2.29468	6.12918	5.01737	5.6498	5.83846
NRCAM	0.221564	0.163465	0.16611	3.2537	0.150572	2.1342	0.0988182	0.246134	0.0590275	0.7517	1.36783	0.141195	2.32074	0.835923	1.00927
NRDC	15.6536	18.3066	19.3896	19.8768	16.5566	21.6132	16.6943	14.3752	39.7937	20.4511	17.7989	14.8267	23.6529	15.1119	12.3354
NRDE2	2.47013	2.63612	2.6164	2.91429	3.23632	2.82567	2.3261	2.03112	1.40577	1.47045	1.75908	1.47425	1.95118	2.05112	2.34561
NREP	2.97007	3.47734	2.54071	7.47427	3.94606	5.1027	2.4585	3.00319	4.76782	7.80393	17.2752	4.89291	4.49906	6.77259	15.3814
NREP-AS1	0	0	0	0	0	0	0	0.0337174	0	0	0	0	0	0	0.0544858
NRF1	2.36256	2.06226	2.58696	2.30553	1.91768	2.78542	2.43275	1.74321	1.46538	1.75398	2.12231	1.63667	2.45021	2.24029	1.70997
NRG1	0.268232	2.08125	3.0924	1.94821	0.453323	0.820399	0.798723	1.3235	2.09857	2.97875	2.05178	2.92037	8.23214	6.64504	2.6287
NRG1-IT1	0	0	0.0303898	0	0	0	0.0838857	0	0	0	0	0	0	0	0
NRG1-IT3	0.0458278	0	0.037912	0	0	0	0	0.040728	0	0	0	0	0	0	0
NRG2	0.687819	0.960783	0.903724	0.25017	0.996593	1.32391	0.798526	0.595866	0.183024	0.0217634	0.0652488	0.0785789	0.0186461	0.10271	0.0498047
NRG3	0.220515	0.122185	0.150501	0.0284059	0.137014	0.0891887	0.27066	0.063692	0	0.0207577	0.01867	0.0118338	0.0569101	0.0922006	0.0712547
NRG3-AS1	0.141692	0	0.0390726	0	0	0	0.0539265	0	0	0	0	0	0	0	0
NRG4	0.721562	0.649306	0.781272	0.262444	0.148346	0.316236	0.557315	0.801581	0.116309	0.452817	0.131766	0.250556	0.205389	0.404849	0.289542
NRGN	1.17805	0.292957	0.361534	3.11337	2.27265	5.12875	0.954561	0.439046	0.485959	2.21787	6.28473	0.856525	2.73381	1.86697	2.53775
NRIP1	4.82096	3.87381	3.40799	11.6912	1.69374	6.40523	2.67177	4.10209	9.17637	16.7493	13.8511	9.08623	19.7141	14.2438	6.47044
NRIP2	1.90969	2.07552	1.6941	0.601178	3.44882	1.22949	2.41899	2.16692	0.233442	0.578042	0.931378	0.586381	0.182816	1.01293	3.00279
NRIP3	0.261563	0.310645	0.316312	0.444558	0.235949	0.931237	0.377293	0.264819	1.97573	1.03712	2.04396	0.313668	0.861819	0.872771	0.562842
NRIR	0.0278162	0.053609	0.0230115	0.114661	0	0.544757	0.0952788	0.0247207	0	0	0	0	0	0.0145379	0
NRK	0.0401889	0.035961	0.0356219	0.0443741	0.0267545	0.0586634	0.049164	0.0178583	0.0349611	0.0648529	0.0939771	0.0225942	0.0148169	0.0135029	0.391646
NRL	0.166339	0.170356	0.127907	0.164333	0.274407	0.173901	0.13756	0.1316	0.0803711	0.109974	0.124726	0.0756388	0.0283307	0.0890581	0.125836
NRM	0.267788	0.287823	0.245674	0.536005	0.453297	0.657745	0.503706	0.233411	0.236239	0.351183	0.653044	0.265305	0.560411	0.326568	0.345133
NRN1	4.28968	1.90948	2.46073	2.0284	2.50903	5.27601	2.98303	1.96107	0.515984	0.841939	2.63049	0.650506	1.41231	1.73453	3.49857

NRN1L	0.310456	0.50314	0.256831	0.290849	0.350723	0.120159	0.161122	0.376237	0.171864	0.0354231	0.0318605	0.282723	0	0.118006	0.162129
NRON	0.678185	0.355351	0.336625	0.0960972	0.474055	0.180458	0.580747	0.38423	0.0103244	0.095759	0.00956982	0.175906	0.0164085	0.159502	0.280013
NRP1	10.3467	5.49806	5.63292	11.8118	7.95088	25.8598	10.0977	6.09999	4.17019	12.652	21.9951	3.88367	11.2959	11.7725	23.8402
NRP2	2.51848	1.30156	1.44355	7.27937	3.45101	10.4211	1.93755	1.75327	1.28532	5.47525	7.06028	3.01412	12.193	7.08429	11.4276
NRROS	1.52293	0.624578	0.734926	1.72823	2.53461	3.01032	1.57323	1.21649	0.298085	0.841939	2.14899	0.220534	1.25747	0.753308	1.19771
NRSN1	0	0	0.00795082	0	0	0	0	0	0	0.036188	0	0	0	0.0150692	0.0276049
NRSN2	1.38388	0.985487	1.08724	2.22441	2.69044	6.47726	1.80864	1.07518	0.551205	2.34866	5.11901	0.628998	2.49331	1.8696	4.12486
NRSN2-AS1	0.365242	0.391953	0.466965	0.41061	0.257885	0.466498	0.72031	0.427877	0.161754	0.270882	0.693435	0.142549	0.246364	0.295014	0.405321
NRTN	0.939078	0.894869	1.89902	0.817209	1.65321	1.33269	1.21517	0.834574	2.38904	0.183344	0.306252	0.31357	0.511639	0.109067	0.089909
NRXN1	0.249534	0.0062865	0.0215877	0.00672293	0.00506683	0.0916558	0.251391	0.0550789	0.00397261	0.002047	0.00736452	0	0.00736592	0.0017048	0
NRXN2	0.175137	0.152192	0.116426	0.183706	0.947308	0.932042	0.282094	0.200117	0.0114266	0.282618	0.550756	0.105175	0.16546	0.349791	0.821926
NRXN3	0.0884059	0.0596936	0.115778	0.0198774	0.094883	0.128654	0.126983	0.0628542	0.0195761	0.056488	0.0689522	0.0530169	0.0487424	0.123493	0.143121
NSA2	14.6035	12.5526	14.1738	20.0487	2.87969	17.4039	8.45567	10.0161	21.2064	18.44	30.6369	10.0896	17.4913	13.3819	11.072
NSD1	7.67015	7.9982	7.96231	8.70954	7.62534	8.47458	7.50489	6.91417	7.44634	5.78087	4.93939	6.66108	8.47838	6.90036	6.96092
NSD2	1.58425	1.53904	1.7456	2.69961	1.55568	2.93679	1.74231	1.42963	0.589229	1.47301	1.34935	1.53503	2.47887	2.69718	1.94433
NSD3	6.13691	6.33587	6.35018	5.65126	4.18013	6.25943	4.76246	5.4744	4.88812	5.32582	5.43111	3.95201	5.79522	5.18847	5.33987
NSDHL	4.13167	5.03492	4.16973	14.1342	5.07257	10.6751	4.685	2.66244	10.8766	10.4069	10.6265	7.19271	15.6369	8.10321	3.56832
NSF	3.61678	3.12218	3.18369	5.47445	2.73889	6.29126	3.17819	3.46782	9.52024	5.67392	5.97721	3.7143	6.19225	4.15747	3.68542
NSFL1C	9.58358	9.55966	9.47091	14.8078	11.4767	18.0079	10.8387	6.75043	17.1134	13.597	10.7821	11.4908	19.9702	9.41858	6.13766
NSFP1	0.094851	0.0396755	0.0239008	0.19376	0.0025483	5.81E-05	1.36067	0.00037248	1.28411	0.424788	0.848281	0.0861298	0.000374378	0.468334	0.05868
NSG1	10.8952	17.6041	17.0987	5.91565	20.4345	12.6269	14.3233	14.4103	36.3406	12.6705	11.7407	14.2639	13.7876	8.87973	2.8072
NSG2	0	0	0	0.00972658	0	0	0	0.0083881	0.011495	0.0118462	0	0	0.0243585	0.00986588	0
NSL1	0.989097	0.743099	0.850112	0.622398	0.432369	0.804935	0.593641	0.936593	0.144979	0.511946	1.17387	0.23549	0.567001	0.55354	0.922672
NSMAF	6.00296	5.33357	5.8419	6.20518	2.89912	7.54996	4.65318	5.02498	3.90516	4.70036	5.94079	4.10265	4.93913	4.10005	4.00736
NSMCE1	7.69256	5.69083	4.70527	13.9909	8.15795	13.1744	5.94664	4.89982	7.45778	8.53356	16.6791	5.72253	7.88769	5.61499	4.28755

NSMCE2	3.63244	2.95672	2.74321	3.91349	1.51747	3.54989	2.29364	2.67795	4.49094	4.35186	7.06726	2.33329	3.76402	2.99154	2.78616
NSMCE3	3.27444	2.28629	2.47928	3.4173	2.69403	7.54924	2.59804	2.10855	2.07844	2.42058	7.18924	1.03249	3.49124	2.31324	4.38369
NSMCE4A	6.29227	6.81736	6.25469	7.53685	4.70793	8.05071	3.93068	3.64507	5.07541	6.34689	12.7002	3.86585	4.86742	4.88126	4.44728
NSMF	4.02817	3.66807	4.12881	6.4617	8.57898	12.1503	5.5032	2.92134	5.23757	6.65362	9.352	4.71767	6.81208	6.88204	5.4575
NSRP1	5.69601	4.89477	3.89001	3.70783	1.71527	6.07245	0.830018	2.24895	5.68196	3.93837	3.97858	3.11436	3.90066	3.89078	3.81921
NSUN2	7.01435	7.11628	6.80776	12.8725	7.70795	14.0781	6.40224	6.56308	9.15285	8.1145	6.03558	8.02436	16.4598	10.0044	6.9193
NSUN3	1.36309	1.03724	1.06687	0.698902	0.360054	1.03527	0.769208	1.24605	0.517835	0.66156	1.15001	0.450068	0.725504	0.580163	0.979024
NSUN4	1.87571	2.0278	2.07666	2.29927	1.64279	2.586	2.05583	1.57121	1.23464	1.3975	1.86065	1.53063	1.87194	1.87721	1.54205
NSUN5	2.53893	2.46406	2.88816	4.5746	5.39554	5.68046	2.66759	1.81039	2.06118	2.32843	3.19822	2.42102	4.66406	2.83438	1.54452
NSUN5P1	2.83594	4.87419	4.04399	2.42867	8.04589	3.84038	3.6519	2.23854	1.26055	1.33182	0.916833	2.42172	0.867547	2.94042	2.25557
NSUN5P2	1.5642	2.55549	2.17606	1.46022	5.53361	1.79711	1.93511	0.945779	0.337373	0.614673	0.659599	0.840613	0.37807	1.38841	0.969288
NSUN6	2.23719	2.68789	2.37055	2.14852	1.03515	2.04274	1.66305	1.87824	1.27537	1.07537	1.70875	1.26018	0.730927	1.41803	1.25781
NSUN7	0.677375	0.498348	0.552536	0.265525	0.148163	0.567279	0.466313	0.498101	0.128399	0.0361443	0.0710193	0.0879845	0.0342923	0.0639748	0.221512
NT5C	4.46346	4.69897	4.72639	10.3954	10.6426	10.3565	4.38277	3.09407	5.65343	8.26311	16.4765	4.64687	8.10667	8.4564	4.23066
NT5C1A	0	0	0.017295	0	0.0324744	0.0356025	0.0477398	0	0	0	0	0	0	0.0218529	0
NT5C1B	0.283208	0.193015	0.265873	0.253112	0.538904	0.193188	0.141732	0.214309	0.0962434	0.0263881	0.1428	0.177253	0.0120717	0.154261	0.0328609
NT5C1B-RDH14	0.0161506	0.14044	0.109454	0.0897248	0.00173672	0.0889445	0.121271	0.00648187	9.15E-05	0.341512	2.00E-05	0.0929998	0.0232766	0.0293769	0.124972
NT5C2	6.08037	4.89278	4.11112	9.15794	3.19253	10.282	3.2709	4.64431	10.2423	8.50071	9.0876	5.50269	11.9286	5.75165	5.30904
NT5C3A	5.07991	4.27168	4.85718	11.9689	1.16286	4.55314	3.04047	5.24645	33.1225	9.27514	10.2378	5.85396	6.54817	3.42634	2.05807
NT5C3B	5.32882	2.85203	3.61742	6.10004	6.18081	10.3918	5.02474	2.774	4.64053	8.20581	12.1264	4.6278	11.5119	5.45991	5.41151
NT5DC1	4.62269	3.01129	3.35919	5.35072	1.75782	6.68203	3.33572	3.97023	2.79244	3.30479	4.02446	2.88428	3.31658	2.42375	2.23063
NT5DC2	5.95215	6.95392	7.871	6.56142	8.69096	11.8358	12.3916	4.96056	6.54875	10.7852	23.3697	4.35253	9.09501	9.03371	11.8778
NT5DC3	0.869388	0.534812	0.6051	0.545492	0.438526	1.14455	1.09886	0.670001	0.277402	0.72879	0.861921	0.727662	1.46958	1.1217	1.4743
NT5DC4	0.0131122	0.018953	0	0.0135125	0	0.0111649	0.0149711	0	0	0.0329143	0	0.00938214	0	0.020559	0
NT5E	2.17321	1.32942	1.58605	3.887	0.804172	10.9189	3.07241	1.43589	0.561219	4.60554	7.85436	0.781568	7.99441	3.96048	4.64882
NT5M	0.684964	0.259808	0.253184	0.450559	0.430122	1.34021	0.499194	0.168375	0.0532474	0.0182915	0.625172	0.0521394	0.159849	0.137103	0.293016

NTAN1	5.99939	3.81721	4.373	9.78418	4.46951	11.5898	5.27587	4.27614	11.9174	15.4914	26.961	7.19692	16.3785	7.06998	6.61924
NTF3	0.612951	0.431021	0.219276	0.59752	0.463196	1.17079	0.435041	0.206118	0.201758	0.207923	0.561037	0.260779	0.331342	0.207798	0.57099
NTF4	0.926649	2.42212	1.89731	2.26798	5.43376	2.0712	1.19027	1.50294	0.338566	1.01766	1.17683	1.16032	0.328828	1.31974	1.19771
NTHL1	2.07639	1.26096	1.39566	2.45183	4.19967	2.63361	1.08659	0.768883	0.842935	2.00885	3.90663	1.28452	1.80019	1.8652	2.57815
NTM	0.262777	0.18124	0.255003	0.335077	0.49636	0.624726	0.670635	0.284717	0.273703	1.16412	2.42347	0.660326	1.27105	2.13909	2.60828
NTM-AS1	0.0341343	0.0493393	0.0847149	0	0	0.0871947	0.155894	0.0606714	0	0	0	0	0	0	0.294127
NTM-IT	0	0.0437854	0.0250596	0	0.0470539	0	0	0	0	0	0	0	0	0.0474957	0
NTMT1	1.7643	1.51459	1.44592	2.93006	3.5645	3.76225	1.7445	1.30475	2.48753	2.07237	4.12235	1.85428	3.08747	2.37145	2.02026
NTN1	2.46823	1.83348	2.34737	1.74646	2.40909	3.75983	4.47796	1.24014	0.189356	1.60017	1.7771	0.842714	9.12609	9.62729	13.7657
NTN3	0.0699186	0.117907	0.0578416	0.0240177	0.470633	0.198449	0.0532205	0.0517815	0	0.0585033	0	0.0667048	0	0.121808	0.0669413
NTN4	3.65678	2.05554	2.45679	0.987784	2.71103	3.41566	3.2769	1.78741	0.614051	1.21	2.2204	0.74135	1.8124	3.30693	2.23592
NTN5	0.109051	0.490396	0.26062	0.0499468	0.97872	0.103173	0.30436	0.129221	0.0737844	0.121662	0.08207	0.0606892	0.0234531	0.0949914	0.382827
NTNG1	0.0484773	0.0373713	0.0401038	0.00666097	0.0702818	0.143096	0.0590398	0.157969	0.00787198	0.0892378	0.193361	0.0046249	0.0229367	0.0135127	0.10675
NTNG2	0.0918183	0.0349259	0.067963	0.253984	0.270238	0.403255	0.148976	0.0773057	0.011771	0.139503	0.381874	0.0311203	0.0623587	0.118708	0.569092
NTPCR	1.52953	2.90647	1.71471	7.2035	2.931	7.81426	3.9334	1.27039	3.72559	4.53914	7.48752	4.36745	4.2425	4.14642	2.38136
NTRK1	0.0486028	0.00780586	0.0201038	0.0500866	0.163577	0.0689745	0.0554931	0.0359951	0.0295964	0.0813354	0.146311	0.0405727	0.0470375	0.165113	0.267566
NTRK2	4.06239	3.46937	3.7107	0.89649	1.09651	4.53976	2.53419	2.90856	0.720557	0.583551	0.740679	0.536659	0.491936	0.575273	0.784687
NTRK3	1.15045	0.256585	0.497724	0.0335143	0.612518	2.48877	0.830826	0.256508	0.00495093	0.0102044	0.0275345	0.011635	0.0262283	0.023371	0.0992478
NTRK3-AS1	0.0260718	0.0125618	0.00718947	0	0.0134995	0.0147999	0.0198453	0	0	0	0	0	0	0	0
NTS	0.0933941	0.00899974	0	0	0.0580293	0	0.0639806	0.0166002	0	0	0.0210861	0.0133652	0	0.00976236	0
NTSR1	0.0280047	0.0431778	0.0880362	0.12121	0.0522011	1.31628	0.0831345	0.0248882	0	0.428814	0.25291	0.204388	0.419188	1.10066	0.587186
NTSR2	0	0	0	0.0444955	0	0.012255	0	0	0	0	0	0	0	0.00752212	0
NUAK1	7.43048	7.05888	8.25777	2.993	4.74333	5.39669	4.79978	7.45995	0.578506	2.33363	3.01818	0.623924	2.55905	1.90273	3.59114
NUAK2	3.61589	5.59456	4.94311	4.46924	11.445	5.90784	7.21912	3.46484	25.8156	16.4884	13.3904	23.4781	17.0823	11.346	4.33223
NUB1	5.59597	5.73116	6.2171	7.54894	5.56926	8.96118	3.82875	4.86701	5.75359	4.63231	6.41239	3.62173	6.48616	3.79178	4.99757
NUBP1	4.85755	3.15864	2.90263	8.1279	4.25512	9.76882	3.70442	2.166	6.61421	4.20732	8.88146	3.97586	7.73728	4.76572	4.65534

NUBP2	5.7839	5.58656	6.00879	9.71507	17.6816	11.6915	6.08566	3.55153	7.11325	5.95438	12.7736	5.55231	7.66894	7.17811	3.42665
NUBPL	1.83621	1.3238	1.31088	1.48578	0.676094	2.10205	1.06379	1.33572	0.596346	1.19499	1.51242	0.627732	0.671338	0.906366	0.781342
NUCB1	21.3124	16.5163	17.5866	32.2187	37.6776	56.7799	21.5367	13.8686	30.0654	20.1042	26.5207	16.1036	27.9587	17.747	31.6254
NUCB1-AS1	0.267241	0.309026	0.176864	0.16524	0.332094	0.0455104	0.122051	0.237501	0	0.0670829	0	0.114731	0	0.223475	0.383792
NUCB2	4.20618	3.05745	3.59262	2.80529	0.890951	6.55834	1.16424	2.62152	3.80317	6.21616	8.86959	2.99008	5.00466	3.83994	6.17133
NUCKS1	23.1502	16.9848	18.9145	20.8278	7.83607	29.0133	13.8579	22.1681	9.68445	14.7391	20.9644	9.65798	14.7424	12.8759	17.5745
NUDC	8.4377	8.70897	9.03949	14.3387	14.2567	18.6191	7.34566	6.45503	9.09465	8.84385	9.15045	7.72714	17.0649	10.461	6.52628
NUDCD1	1.44006	1.16369	1.09282	2.43053	0.343463	2.09999	0.932155	1.05811	1.05644	2.1988	3.90414	0.989835	2.45083	2.1216	1.58773
NUDCD2	1.25556	1.03046	1.05382	1.02013	0.6353	1.34863	0.76143	1.22007	0.783638	0.922019	1.50567	0.654251	0.905925	0.84277	0.707076
NUDCD3	6.88596	6.90993	7.54219	10.0938	11.2739	12.2596	8.34046	5.46295	6.64372	5.75976	5.38771	6.10582	7.6405	5.61114	5.54953
NUDT1	3.42451	2.88747	3.13	7.76962	5.40524	10.0411	4.91902	2.60163	2.89256	4.57541	10.6934	2.80602	3.68839	4.33015	2.93495
NUDT10	0.178244	0.065504	0.066132	0.0246247	3.60E-15	0.158836	0.077527	0.0342129	0.0201304	0.0294162	0.182269	0	0.0287842	0.0544182	0.279722
NUDT11	0.193362	0.106157	0.110531	0.157845	0.240061	0.240773	0.296796	0.124885	0.111966	0.277602	0.594516	0.0552904	0.267974	0.190139	0.548435
NUDT12	1.69275	1.00037	1.00651	1.70354	0.513559	1.81858	1.53259	1.64541	1.75557	1.81751	2.81411	1.37207	1.39505	0.615147	1.00659
NUDT13	1.47164	1.45211	1.45927	0.768671	0.313146	0.635124	0.897679	1.29891	0.208692	0.493393	0.432393	0.266856	0.169088	0.647977	0.419797
NUDT14	1.18509	2.27582	2.22688	3.36721	5.99591	7.45282	1.77835	1.0833	2.88661	2.74108	5.92461	2.556	2.6106	2.59254	1.70193
NUDT15	1.77873	1.32791	1.31383	3.62578	1.19173	2.75867	1.28326	1.70673	2.48767	2.41649	3.58565	1.91608	4.01985	2.33432	1.71235
NUDT16	3.07002	1.85927	1.96908	1.98131	2.01044	4.60595	1.6532	1.65099	0.503241	1.27297	1.72706	0.527792	1.74501	1.30647	1.8293
NUDT16L1	3.43885	3.75354	3.6808	4.8035	10.8607	7.86847	3.21926	2.52026	6.3517	4.41841	7.70886	3.68508	4.96324	3.22832	1.87247
NUDT16P1	0.479699	0.311313	0.299656	0.363192	0.273724	0.408458	0.279442	0.304512	0.0476914	0.319467	0.629932	0.126087	0.334765	0.266062	0.239009
NUDT17	0.78487	0.603015	0.684397	0.240463	0.790815	0.523808	0.411739	0.45245	0.361685	0.239617	0.502876	0.333922	0.0958043	0.354774	0.487426
NUDT18	1.4931	1.35805	1.80238	2.04111	3.02929	3.45082	1.53082	0.771793	1.29888	1.72101	3.92142	0.850322	1.74974	1.17054	2.77881
NUDT19	2.82366	2.84122	2.67793	5.24096	2.54443	4.03153	2.29774	2.19748	4.11337	2.86847	3.99765	2.88549	5.71202	3.00045	1.74751
NUDT2	3.12162	4.10759	3.72226	5.92359	4.84896	5.79265	2.80217	2.02806	8.7048	4.53942	7.29087	2.27982	4.79207	2.85793	3.58643
NUDT21	8.35503	6.43182	6.76416	9.8115	2.20247	10.6556	6.25973	8.522	4.48975	5.99789	8.51291	4.02808	8.39256	6.26324	6.18421
NUDT22	5.42609	5.43669	5.84908	9.74315	14.75	12.6006	6.10145	3.81761	12.8162	10.6282	19.9306	8.60331	12.6509	8.27138	5.04744

NUDT3	10.7107	8.0873	8.51289	10.2715	9.5504	18.691	8.64796	6.96532	6.4854	8.96492	11.3568	6.40041	10.0741	7.81601	8.42193
NUDT4	3.61256	1.23026	1.34975	1.4603	1.48761	2.11017	1.89352	2.12073	1.50017	1.66503	2.28524	1.00426	1.40899	1.52529	2.81947
NUDT4B	4.71205	1.53688	1.88783	2.49942	2.24E-05	1.68944	1.67756	4.92867	3.37354	3.39145	3.37706	1.45882	4.19376	2.07557	5.17681
NUDT4P2	5.5567	2.40867	2.16489	3.83184	5.19378	6.68388	3.56232	2.79947	3.46625	2.87424	7.88317	2.8354	5.26163	3.40137	2.86091
NUDT5	4.10569	4.25175	4.4124	6.96512	3.10308	6.23308	3.9567	3.87957	3.33001	4.61309	7.62239	4.2368	5.51892	5.0691	3.6002
NUDT6	0.858088	0.421599	0.517828	0.75931	0.740877	1.03421	0.557411	0.375455	0.145616	0.626376	1.21749	0.209546	0.311383	0.318051	0.426737
NUDT7	0.925024	0.916609	0.837438	1.09715	0.433776	1.67932	0.617755	0.651463	0.446379	0.591453	1.02453	0.324696	0.382866	0.538189	0.451172
NUDT8	5.41706	5.3567	4.38752	7.18995	17.2256	16.9288	6.37932	3.88163	12.1585	5.55309	12.9988	8.46238	6.02029	4.5803	1.46631
NUDT9	2.39155	2.20163	1.98527	3.45549	2.27235	5.11542	0.994652	1.899	3.72338	2.09393	2.96882	2.3816	2.9906	2.52134	1.88843
NUDT9P1	0.0644653	0.0517673	0.142214	0	0.0667579	0.146377	0.0736044	0.114583	0.052341	0.0269702	0.0242578	0.0615022	0.0831854	0.0224616	0.246881
NUF2	0.314159	0.246672	0.221392	1.35496	0.0722959	1.22853	0.0797104	0.196473	0.198391	1.37275	1.57621	0.283068	0.990947	1.41085	0.334202
NUFIP1	1.18801	0.844215	0.829074	1.62782	0.628878	1.74624	0.750208	0.961434	0.751725	0.882986	1.2662	0.778822	1.56726	1.23141	0.95315
NUFIP2	6.08781	5.85615	6.05514	7.92867	2.01553	7.64332	4.7772	7.12305	5.54387	6.71977	6.38253	5.38031	9.5492	7.70203	6.7603
NUGGC	0.102137	0.0659803	0.0738831	0.0429501	0.195785	0.0254699	0.0407882	0.125061	0.0652613	0.0597827	0.047049	0.0389868	0.0345732	0.0653478	0.119709
NUMA1	17.8834	22.8193	22.9579	18.2714	41.514	28.4043	21.6033	15.8342	17.4516	9.64121	7.70298	14.9361	20.141	14.3874	15.2651
NUMB	7.96947	8.10793	8.66631	12.9649	6.11781	13.0252	7.34432	7.03876	7.76628	12.0944	11.4286	6.82871	16.1184	9.42415	10.213
NUMBL	2.34503	2.19629	2.50017	1.68647	3.80821	4.34056	3.54371	1.92247	1.45854	3.62004	2.03852	1.58372	4.1264	1.7139	3.8
NUP107	2.80387	2.51349	2.5515	3.44834	1.04873	3.99275	1.8113	2.17382	1.25809	2.26894	2.92782	1.21958	2.78022	2.5645	2.11932
NUP133	6.82637	5.63951	6.55632	6.93754	2.92249	8.10451	5.4242	5.07039	4.12308	4.7297	6.0208	3.57002	5.65044	4.64969	4.55107
NUP153	8.49279	8.55945	8.78298	10.0537	3.09953	9.34542	6.64352	7.08287	12.3193	7.47306	8.26613	7.59808	12.7291	9.0884	6.52993
NUP155	5.21173	4.00504	4.10984	6.42583	1.37829	6.84135	5.03768	4.23307	2.8263	4.00796	5.96588	2.79422	6.20289	4.49221	3.17871
NUP160	4.80538	4.2248	4.21285	6.56384	2.2769	7.06082	3.81736	3.95169	2.58576	4.02087	4.76367	2.91941	6.3983	4.61046	4.26442
NUP188	4.7424	5.9777	6.28324	9.66128	5.76954	11.0208	7.97591	5.24032	5.88954	5.39115	5.41321	5.90558	11.3922	6.3823	5.58511
NUP205	6.63021	6.31447	6.86673	10.1579	3.03586	9.51372	7.08597	5.53853	4.81891	6.64155	6.05682	5.21105	10.4736	6.85722	4.85094
NUP210	1.01138	1.25461	1.14746	2.40216	2.34408	1.69502	1.18409	1.31829	1.84958	0.749546	0.837267	1.54613	1.03164	0.495032	0.825375
NUP210L	0.114102	0.0853077	0.055334	0.0446014	0.0366703	0.0268018	0.0628929	0.0699341	0.0143755	0.0197531	0.0177665	0.0168917	0.0126928	0.0472965	0.0621557

NUP210P1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUP214	5.92153	5.7929	6.08794	6.65001	4.57881	8.927	7.24513	5.62899	3.87644	3.87465	3.78325	4.53419	5.5014	4.40173	5.50952
NUP35	2.57273	2.61813	2.701	3.80451	0.537624	3.22212	1.64656	2.41972	2.00925	2.3892	4.28481	2.03072	3.22306	2.85807	1.92194
NUP37	2.88169	2.50955	2.53201	6.40047	1.0009	4.84649	2.39103	2.40194	2.50684	5.414	8.72875	2.16439	6.14362	4.27508	2.6733
NUP43	3.45383	3.81169	3.99422	4.26127	2.22768	4.56906	3.28168	3.25534	1.57193	2.84244	3.43349	2.50978	2.94164	3.96627	2.68602
NUP50	4.9349	5.80939	5.97227	10.3704	4.87515	10.3705	3.99648	4.79697	9.69421	8.5278	8.06905	6.53226	13.314	9.33157	6.31375
NUP50-DT	1.52457	2.32123	2.57292	2.37239	1.68142	2.11599	1.967	1.80204	3.43501	2.62149	3.39048	2.46538	2.48863	2.80477	0.853898
NUP54	5.09563	4.13845	4.11063	6.59428	0.857606	6.14225	2.52149	4.06205	3.85802	5.35046	7.90818	2.58398	7.18269	4.75879	3.99044
NUP58	3.28329	3.66802	3.81584	5.80972	1.73319	4.74129	2.68201	3.43033	5.1365	6.78089	7.4008	3.62893	8.92461	6.27529	3.84114
NUP62	4.69378	5.5598	4.98872	11.1799	6.92163	12.1058	6.46792	4.76098	5.8019	6.11513	6.82196	6.14456	14.6958	7.66142	6.18989
NUP62CL	0.551651	0.632842	0.521559	1.0287	0.183622	0.60393	0.374915	0.665354	0.287935	0.346189	0.311372	0.310138	0.415242	0.43934	0.169766
NUP85	5.02388	4.82246	5.28378	7.76591	6.04951	8.53892	4.54665	3.40052	3.56915	4.43584	5.29769	3.69924	6.43251	4.88	3.80324
NUP88	4.29006	4.21008	3.68107	6.04602	3.39894	6.01322	2.79619	3.14789	6.66751	5.90213	6.66515	4.37142	5.57266	4.74374	3.26468
NUP93	3.04595	2.46673	2.98306	5.11745	3.40279	7.4193	3.71663	2.49918	1.85855	2.79579	3.54966	2.77824	6.41572	3.99753	4.16226
NUP98	7.42623	7.1798	8.15249	11.0223	3.8124	11.1013	8.15353	6.20305	7.28312	6.15358	7.37202	5.97123	10.8675	7.95082	7.1197
NUPL2	2.2409	2.55653	2.34392	3.68959	1.32034	3.15822	1.54397	1.81984	1.85081	1.85887	3.43108	2.15633	3.32371	2.54431	2.18246
NUPR1	21.5953	26.5689	24.5198	16.9457	50.2178	62.509	19.7021	16.5308	24.8171	21.9445	53.3679	11.657	7.62957	17.5467	9.58461
NUPR2	0.154287	0.111507	0.159546	0.0794986	0	0	0.08808	0.0685587	0.0469761	0	0	0	0	0.0201593	0
NUS1	4.66139	3.28644	3.16235	7.50609	1.99926	6.33334	2.82348	3.73996	8.41283	7.29047	9.53931	4.82194	10.9508	7.36668	5.38594
NUSAP1	1.12226	1.10871	1.17027	5.18004	0.424827	4.55309	1.07677	1.08956	1.17153	3.31424	6.74966	1.74097	3.77858	3.75584	1.84195
NUTF2	4.83392	4.19466	4.49384	11.9457	5.6253	11.2743	5.17775	4.21698	7.10791	8.05566	14.2082	5.71456	10.8429	8.19615	4.55069
NUTM1	0.0717015	0.0637789	0.0866934	0.0113678	0.0514049	0.00939276	0.0251897	0.0490172	0.00671726	0.0207676	0.0124526	0.015786	0	0.0663008	0.118814
NUTM2A	1.24607	1.32504	1.34746	1.5934	3.34915	1.67184	1.91746	1.09996	0.378448	0.620705	0.396936	0.459645	0.407607	1.15393	1.1673
NUTM2A-AS1	3.0951	2.27938	1.66917	4.07491	3.68177	4.05162	3.78144	2.40206	2.8884	2.2387	5.25763	3.31298	2.98642	3.32413	2.22384
NUTM2B	1.75376	2.06495	1.56475	0.660683	2.85773	1.06061	2.92762	1.66397	0.173269	0.497671	0.175158	1.13847	0.364174	0.951365	1.25839
NUTM2B-AS1	4.52546	4.96159	4.12995	2.84753	1.82395	1.7944	4.77834	5.33402	1.20201	2.39517	1.74149	3.26758	0.896054	4.40642	3.47836

NUTM2D	2.28427	1.96068	1.5458	0.804311	2.73032	1.42869	3.21146	2.04387	0.343815	0.531027	0.21197	1.26192	0.261178	1.90507	1.79212
NUTM2E	0	0	0	0.00724471	0	0	0	0	0	0	0	0	0	0	0.0100961
NUTM2F	8.27E-10	0.0140182	0.0429622	5.50E-07	0.0518321	0.182358	1.04E-08	1.06E-06	1.48E-15	6.84E-10	0	0.0322318	7.89E-10	1.90E-09	4.55E-11
NUTM2G	1.49641	1.85833	1.97785	0.777866	2.19371	0.740714	2.1697	1.47723	0.236267	0.702792	0.114477	1.02851	0.173526	1.41111	1.39303
NVL	3.33404	4.78966	4.85955	3.814	3.06843	3.16169	3.18409	3.93174	2.45368	2.10827	2.44236	2.31282	2.25517	2.64425	2.7072
NWD1	0.226785	0.0737235	0.0836347	0.0506839	0.0424429	0.116328	0.155986	0.111701	0.0598986	0.00685877	0.00925347	0.0136855	0.0282064	0.0199927	0.015696
NWD2	0.13619	0.120798	0.0844996	0.216901	0.216358	0.0790665	0.268587	0.181552	0.900945	0.330211	0.656897	0.347711	0.199703	0.153682	0
NXF1	8.99605	13.4254	11.6526	15.7753	18.6376	15.4768	10.6026	9.35883	13.9332	10.7236	8.61816	15.3935	11.1547	13.0988	12.9916
NXF2	0	0	1.87E-26	0	0	0	3.77E-11	0	0	0	0	0	0	0	0
NXF2B	0	0	1.87E-26	0	0	0	3.77E-11	0	0	0	0	0	0	0	0
NXF3	0.0122127	0.00588426	0.0101032	0.0125855	0.0189705	0.0727926	0.0976084	0.0108536	0	0	0.151653	0	0	0.0127658	0
NXF4	0	0	0	0	0	0.00545118	0	0	0	0	0	0	0	0	0
NXF5	0	0.0054077	0.0185699	0	0	0.0191135	0.0128147	0	0	0	0	0	0	0	0
NXN	7.80911	6.04775	5.98461	15.792	15.3149	19.2731	6.53803	3.77073	9.27476	16.2016	12.9811	12.1488	25.2356	13.4431	13.5052
NXNL1	0.0254879	0.0368414	0.0210854	0	0	0	0.0873039	0.0453031	0	0	0	0	0.0164447	0	0
NXNL2	0.0141982	0.0342045	0.0352372	0.0292633	0.0441094	0.0120896	0.016211	0.0126182	0	0	0.048084	0	0	0	0.0815616
NXPE1	0.0245889	0.0473892	0.04882	0.0202716	0	0.0167497	0.0280748	0.0131115	0	0.0246893	0	0.0105564	0	0.00771073	0.0423753
NXPE2	0.0260327	0.0564432	0.10768	0	0.0202189	0.144082	0.133755	0.0115678	0	0.0490105	0.0146938	0.0186271	0	0.00680291	0.0560793
NXPE3	1.06317	0.46459	0.556169	0.718187	0.537321	1.71919	0.705225	0.781353	0.288083	0.731041	1.17433	0.297477	0.859076	0.729803	0.881412
NXPE4	0.0855961	0.0567071	0.0619598	0.0220523	0.01662	0.072884	0.0488654	0.0285265	0.0130308	0	0	0.0153116	0	0.00559203	0.107561
NXPH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NXPH2	0	0	0.0149575	0	0.0140426	0.00769766	0.0103219	0.0160685	0	0	0	0	0.0116655	0	0
NXPH3	0.862862	0.510135	0.631059	0.0902092	0.589224	1.29196	1.0423	0.255613	0.0355366	0.188344	0.141169	0.134218	0.0699255	0.189538	0.885983
NXPH4	2.43746	4.0177	5.07294	2.56476	5.00179	9.25221	4.57	5.30152	14.8896	6.39225	10.5864	8.4725	8.82332	3.13117	1.17912
NXT1	3.87444	3.06469	3.15379	5.95706	3.31492	7.21554	3.83231	2.22801	5.5261	4.7328	8.02246	3.03912	7.25869	4.52636	4.10619
NXT2	1.66199	1.27071	1.51047	2.16303	0.30301	2.0995	1.06017	2.33692	1.86257	1.80196	3.45288	1.20037	1.85766	1.097	1.00852

NYAP1	0.0839686	0.189838	0.277859	0.0532505	0.43143	0.225494	0.19912	0.149249	0.015733	0.12971	0.0656239	0.0554601	0.0625109	0.0337582	0.0834851
NYAP2	0.0303125	0.0194997	0.0166846	0.0623519	0	0.00858649	0	0.00896193	0.00614066	0.0126566	0.00569186	0.00361451	0.0130124	0.013176	0.0289641
NYNRIN	3.34613	5.64985	6.19666	2.28873	8.35473	5.14659	8.18246	3.08632	3.56939	1.50835	2.3542	1.59335	1.26189	1.55332	3.57871
NYX	0	0	0	0	0.0273482	0	0	0	0	0	0	0	0	0	0
OACYLP	0	0	0	0	0	0.0333435	0	0	0	0	0.132617	0	0	0	0.0562375
OAF	6.23274	2.15121	2.9995	5.54809	9.29372	9.40649	4.33367	2.7962	2.33562	7.45918	15.3348	2.6801	7.81067	5.91989	14.8897
OARD1	2.95443	2.45336	2.20341	2.35267	0.973478	4.10701	1.50775	2.00902	1.75819	1.61528	3.48679	1.11304	1.64625	1.45053	1.38217
OAS1	1.58114	2.07687	0.809735	13.6075	5.1899	23.7531	2.14917	1.32155	5.36432	0.944999	2.29489	2.19536	1.81562	0.639456	1.52733
OAS2	1.51936	1.45506	0.794499	19.5274	2.68642	23.5711	0.839537	1.59033	1.78645	1.11121	2.20219	0.939507	2.43498	1.07643	3.03324
OAS3	3.17916	2.9594	2.45988	25.5919	9.54637	22.4872	3.10847	3.098	4.36858	2.09134	2.59328	3.08791	6.93173	3.13002	4.63577
OASL	0.332994	0.352971	0.165285	3.8205	1.25865	5.16043	0.304161	0.641196	31.3222	5.18248	12.5678	8.20426	1.06707	1.68816	1.08397
OAT	12.3821	11.8305	10.7871	16.8509	5.43116	17.3333	11.326	9.79706	17.5667	16.7065	30.0432	10.1137	14.5473	12.2148	13.151
OAZ1	77.7812	65.5668	68.5438	170.209	110.924	231.015	87.7095	49.0933	154.525	158.875	308.195	104.078	173.772	128.438	70.7224
OAZ2	11.775	11.145	10.7606	13.9717	17.2311	25.9218	13.5535	8.74177	24.7462	13.5471	23.1542	10.8315	12.955	9.82529	15.759
OAZ3	0.176629	0.200225	0.203491	1.35356	0.548591	1.34275	0.216559	0.22814	0.230922	0.575429	1.16415	0.327849	0.542562	0.420056	0.397089
OBP2A	0.896434	0.462778	0.381509	0.0948922	0.415276	0.177852	0.48548	0.0956057	0.0373815	0	0.0692987	0.0145794	0	0.00046367	0.13224
														9	
OBP2B	0.623957	0.184877	0.214675	0.0223311	0.279043	0.33572	0.176828	0.433213	0.026391	0	0	0.00521218	0	0.033649	0
OBSCN	0.888702	2.03503	1.49084	1.25353	4.33877	1.21537	0.765269	1.35189	0.111981	0.191766	0.196364	0.487561	0.223659	0.723078	0.77188
OBSCN-AS1	0.181243	0.243558	0.210103	0.110071	0.252478	0.152672	0.171218	0.275293	0.0738665	0.090412	0.050472	0.0660972	0.0726279	0.108205	0.0389604
OBSL1	2.9235	2.86621	2.52116	2.35055	8.75143	5.81025	2.38997	1.66803	2.836	1.62503	1.79558	2.08956	1.46342	1.88708	3.57718
OC90	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00678764	0
OCA2	0.390631	1.46308	1.67676	0.288626	0.824311	0.677786	1.68305	1.06768	0.3411	0	0.033281	0.216222	0.0285321	0.0693377	0.0952634
OCELL	1.4707	0.866072	0.980091	1.97869	3.10946	3.58291	1.84245	0.943968	1.8409	1.84588	3.98917	1.11079	2.43811	1.31311	1.84809
OCIAD1	11.0554	8.9559	8.75178	15.7191	5.19506	13.757	7.02524	9.63109	10.5393	9.79027	14.0598	7.93892	12.742	8.61011	9.1357
OCIAD1-AS1	0.350652	0.295662	0.217563	0.451697	0	0.074644	0.100091	0.623261	0.106764	0.110026	0.0989607	0.564527	0.0565598	0.595615	0.503581

OCiAD2	5.1616	4.54137	4.27004	13.0956	3.92173	14.3555	4.45204	3.83929	9.976	14.7171	26.6321	9.05252	12.8504	13.767	4.43151
OCLM	1.20428	1.274	1.14787	0.620521	0.121999	0.267502	1.0462	1.48906	0.127537	0.42716	0.147769	1.03028	0.0337823	0.862015	1.12793
OCLN	3.3118	3.09583	3.98192	2.33202	0.842065	1.16063	3.22707	3.65589	7.50684	3.22205	2.27192	3.07172	3.35208	1.56608	0.865212
OCLNP1	2.56124	2.10765	2.32931	1.56779	0.744172	0.671292	3.14982	2.46897	2.75913	1.78668	1.1816	0.463259	1.95645	1.12103	0.104235
OCM	0.0477699	0.109446	0.13754	1.63E-05	0.291436	0	0.075931	0.177307	0.0491069	0	0	0.0435988	0	0	0
OCM2	0.0616377	0.0221993	3.78E-33	0.08124	0.0218998	0	1.51E-13	3.53E-13	0.181857	0	0	0.0611468	0	0	0
OCRL	3.79913	3.9019	4.1142	5.24927	2.2815	6.00979	3.87901	3.42001	3.34379	3.28909	3.58824	2.7631	3.84817	3.70521	3.57753
OCSTAMP	0	0.00569493	0.0195562	0	0	0	0	0	0	0.014835	0.0533721	0	0	0	0
ODAM	0	0	0	0.111101	0	1.49937	0	0	0	0	0	0	0	0	0
ODAPH	0.022489	0.0219106	0.0185699	0.0231552	0.0174885	0	0	0.0199931	0.0136691	0	0	0	0	0.00586594	0
ODC1	4.94412	2.80678	3.11315	14.0045	2.31356	10.1232	3.32061	3.50887	2.67259	73.3791	73.6818	27.9609	162.369	72.3822	25.339
ODF1	0	0	0	0	0	0.019825	0	0	0	0	0	0	0	0	0
ODF2	2.20959	2.34037	1.96913	4.24035	3.81919	5.22796	2.36483	1.87351	2.02811	1.82954	1.37997	2.04972	2.98219	3.87916	3.70986
ODF2L	2.81662	2.18612	2.13501	1.68255	0.932036	1.83959	1.23537	2.14448	1.28732	1.92819	1.84937	1.60885	2.01855	2.10153	3.55148
ODF3	0.144193	0.0868433	0.149109	0.0185744	0.139989	0.0613894	0.0823177	0.224257	0	0	0.0203471	0.0128968	0	0.00942023	0.181195
ODF3B	3.88899	4.27634	5.1318	10.843	11.3036	20.0311	2.7786	3.81667	2.81856	5.06075	7.24515	7.25544	4.41796	4.67612	6.51021
ODF3L1	0.0580997	0.373244	0.512685	0.119747	0.180498	0.115433	0.287458	0.172114	0	0.0729211	0.0874498	0.318718	0.149943	0.161949	0
ODF3L2	0.0288567	0.0139036	0.0358084	0.0892129	0.0672366	0.0614277	0.0164738	0	0	0.0543271	0.0162878	0	0.0372364	0.0226226	0
ODF4	0	0.0283732	0.0487164	0.0404573	0	0.0167142	0.0448244	0	0.0239064	0.0492738	0.0221591	0.0702268	0	0.0205184	0
ODR4	3.19584	2.53865	2.76175	2.41803	0.562859	2.59476	1.4582	2.44426	1.46137	2.75855	2.78959	1.71715	1.96228	2.32846	2.5422
OFD1	2.70288	3.99838	4.1374	3.48018	2.39915	3.4757	2.3093	2.7616	4.195	3.43855	3.20343	3.1093	3.34148	3.34101	2.57899
OGA	26.438	22.2979	21.5898	21.0256	13.4621	17.9906	15.0714	21.7819	15.605	14.6353	11.2195	11.495	16.7622	13.9303	13.9603
OGDH	11.3133	11.9744	13.1098	19.5137	20.8848	20.9363	15.6488	9.90285	25.8369	21.3045	11.6537	18.9659	37.4164	14.3288	14.696
OGDHL	0.0225566	0.0108681	0.0233255	0.156905	0.0175191	0.168058	0	0.0150348	0.0206035	0.0424662	0.0381954	0.0161398	0.010915	0.0618925	0.0485912
OGFOD1	4.03194	3.40969	3.21698	6.88029	2.72323	7.31965	3.0269	3.0449	4.37105	4.43919	5.99277	3.71924	6.81668	4.93625	4.48078
OGFOD2	1.75087	2.09501	1.81914	1.89839	4.0989	2.9181	1.45905	1.01031	1.1824	1.41641	1.79854	1.33592	1.71857	1.68271	1.83521

OGFOD3	2.05592	1.784	2.28245	2.68243	4.16814	5.38496	2.13895	1.51926	1.06858	1.53721	2.55948	1.5714	2.14395	1.84047	1.95849
OGFR	4.97883	5.40888	5.66145	8.63267	12.8358	16.7159	4.53909	3.51626	4.83018	4.97777	3.71849	3.80631	9.96673	4.84317	5.77728
OGFR-AS1	0.17651	0.0700765	0	0	0.18098	0.0901813	0.0815984	0	0.0421941	0	0	0	0	0.0724286	0
OGFRL1	7.20613	4.74754	5.34581	3.62157	1.05447	5.59131	4.47159	7.68501	2.2799	3.18191	5.14024	1.65706	3.68572	2.07554	2.50096
OGFRP1	0.14907	0.574592	0.385378	0.230431	0.723614	0.301461	0.255304	0.380882	0.113469	0.140323	0.126211	0.239992	0.40876	0.340857	0.187322
OGG1	1.5722	1.80546	1.78584	1.92241	3.37854	2.6566	2.26013	1.41172	0.853208	1.65632	2.31737	0.681964	1.77121	1.78815	1.84841
OGN	0.881467	0.480354	0.447585	0.250587	0.122758	0.305399	0.541389	0.886024	0.0888436	0.335714	0.391164	0.321881	0.00392219	0.206518	3.78024
OGT	15.7719	19.203	18.479	13.8783	7.64625	11.4201	17.0735	13.9192	8.9667	12.8281	11.7619	11.3367	5.49126	17.2309	13.8537
OIP5	0.486828	0.387928	0.449208	1.15775	0.145425	0.781225	0.812388	0.216326	0.319255	0.705022	1.54302	0.495712	1.01478	0.959033	0.376463
OIP5-AS1	7.45576	7.24133	7.30985	6.76041	3.60608	6.71135	5.65368	8.5522	9.79773	7.74274	10.1855	6.71732	7.49423	5.85644	5.12581
OIT3	0.0193423	0.0186388	0.0320026	0.0199328	0.120181	0.0329394	0.0110422	0.00859491	0.0117784	0.145659	0.26202	0.0138399	0.0436784	0.0404365	0.250002
OLA1	5.28355	4.36979	5.06883	8.93357	2.18693	7.20175	3.60026	5.05174	5.46507	7.53808	7.74418	5.17266	9.77435	6.11248	4.0211
OLAH	0.0261039	0	0	0.286091	0.039203	0.0429793	0	0.0233643	0.0461052	0.031676	0.0427355	0.0912336	0.195399	0.0593567	0.163101
OLFM1	2.62349	1.24667	1.54952	3.77388	1.67856	5.38784	1.58338	1.70196	0.431376	0.994602	2.10089	0.55413	6.03853	1.67549	2.7934
OLFM2	9.89132	14.2295	16.8537	11.7804	23.4742	17.5086	23.9345	12.4081	15.1038	11.536	26.4869	10.9562	8.81444	11.1129	15.7276
OLFM3	0	0.00247793	0	0	0	0.00437911	0	0	0	0	0	0	0	0	0
OLFM4	0.103069	0.00764007	0.0327947	0.0163409	0.0123156	0.0607585	0.0452621	0.0915995	0.0386237	0.00995098	0.0179004	0.017019	0	0.00414374	0.0113862
OLFM5P	0.159333	0.0959611	0.0823819	0	0.0309373	0.186546	0.0909604	0.177002	0.0242561	0	0	0.0142508	0	0.0104093	0.0572054
OLFML1	3.49179	2.45061	3.07991	0.599731	1.56031	2.66096	3.78656	2.33095	0.233019	1.93112	5.46271	0.353664	0.673807	0.93748	5.70158
OLFML2A	7.09161	6.04082	5.79578	2.98119	6.90024	4.87696	11.6975	4.2372	3.90722	5.85934	9.66928	4.43668	5.74978	9.38034	15.8255
OLFML2B	2.89824	1.60308	1.84511	6.52917	12.2306	19.4036	4.89724	2.17819	1.06713	15.7423	39.4006	2.24914	6.64946	8.62396	44.7809
OLFML3	8.22553	6.59117	9.48662	3.46514	11.7731	12.5902	10.0169	5.04212	1.66739	11.7122	32.8646	1.50469	2.28958	4.83133	22.0843
OLIG1	0.0304647	0.0342496	0.0840086	0.0104649	0.0157741	0.0259403	0.0347837	0.0451242	0	0.0382364	0.0229273	0	0.0196557	0	0
OLIG2	0.027617	0.0177417	0.00761558	0.0284601	0	0	0.0420429	0.0245437	0	0.0346622	0	0	0	0.0192451	0
OLIG3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLMALINC	0.491907	0.553019	0.542587	0.724178	1.23712	1.37623	0.775603	0.541253	0.827311	0.440996	0.740402	0.519579	0.347602	0.404002	0.23548

OLR1	0	0	0.00760952	0.180104	0	0.00783227	0	0.00817473	0	1.3623	0.90339	0.0526533	0.148368	0.182683	0.10568
OMA1	2.46508	3.40747	3.89049	4.03248	1.20822	0.866086	1.61222	2.60552	3.32282	1.86237	2.33699	1.92652	1.48237	1.58231	1.30608
OMD	1.31101	1.2414	2.11641	0.440964	0.141421	0.186052	1.39292	2.16033	0.0776158	1.1084	1.52108	0.488576	0.111607	0.561478	1.94816
OMG	1.51437	1.28277	1.12146	0.604106	0.132794	0.228777	0.850587	1.03109	0.118989	0.536486	0.303305	0.506833	0.0157591	0.874455	0.789254
OMP	0.0470387	0	0	0	0	0.120159	0.107415	0.0418041	0	0	0	0.0673149	0	0.049169	0
ONECUT1	0.00536215	0.00516713	0.00443595	0	0	0.0136974	0	0.00953087	0.0065305	0	0	0	0.0207578	0	0
ONECUT2	0.00717748	0.00829972	0.00593771	0.0221898	0	0.0342245	0.003278	0.00510299	0.00349654	0.00180169	0.0178254	0.00308141	0	0.00600202	0
ONECUT3	0	0	0	0	0	0	0	0	0	0	0	0.0111512	0	0	0
OEOP	0.170924	0.214119	0.05656	0.0704567	0	0.378402	0.039031	0.121522	0.124899	0.0858107	0.115771	0.1223	0.0661674	0	0.0981871
OOSP1	0	0	0.0164622	0	0	0	0	0	0	0	0	0	0	0	0
OOSP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OPA1	7.334	5.07065	5.29856	6.32366	1.94809	7.3427	4.03762	6.4048	4.93499	6.36712	5.95016	4.368	8.5428	5.89179	4.98214
OPA1-AS1	0	0.111063	0	0	0	0.117765	0.0526374	0.0819427	0	0	0	0	0.0297446	0.120474	0
OPA3	1.53432	1.61378	1.54158	2.14729	2.56377	3.1157	1.71591	1.21732	1.81263	1.54301	1.27036	1.62772	2.38271	1.92634	1.69258
OPALIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OPCML	0.0305143	0.0209779	0.0214504	0	0.0385671	0.0557729	0.0421849	0.00539974	0	0.0153544	0.00696669	0	0	0.00960426	0.0312916
OPHN1	10.4078	10.112	9.34577	5.2623	2.95766	4.11155	7.43648	8.92298	3.88742	3.23448	1.95235	4.43594	1.2989	5.80017	5.39833
OPLAH	2.45726	3.36374	3.18222	4.09425	4.86932	3.23626	2.45164	2.03074	1.797	1.24662	1.04347	1.55284	2.34478	1.44331	1.51711
OPN1LW	0	0.0176854	0	0	0	3.81E-11	0	0	0	0	0.0207182	0	0	0	0
OPN1MW	0	9.16E-06	1.08E-12	0	1.01E-12	0.00627548	0.00661261	0.00514705	0.0295642	0	2.27E-08	9.32E-13	0	0	0
OPN1MW2	0	0.00130043	0.0044761	0	0.00420233	0.0119411	0	0	1.60E-09	0	0	0.00387149	0	0	0
OPN1MW3	0	0.00308792	0.0106287	0	0.00997858	0.0283547	0	0	3.80E-09	0	0	0.00919298	0	0	0
OPN1SW	0.23684	0.102864	0.141898	0.153539	0.264135	0.145772	0.219415	0.133628	0.02567	0	0.0479617	0.0615904	0.0413535	0.222775	0.122291
OPN3	1.87198	1.2494	1.15124	2.90529	1.60418	2.83523	1.24135	1.08543	4.14462	1.99617	4.01619	1.78392	2.83211	1.67651	1.30857
OPN4	0.327178	0.0788197	0.0238822	0.02975	0.224215	0.409688	0.439484	0.239457	0	0.0483109	0.195535	0.192792	0.00620864	0.15088	0.317853
OPN5	0	0.00295226	0	0	0	0	0	0	0	0.00769047	0.00691703	0.0131529	0	0.00320243	0.0351987

OPRD1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OPRK1	0.0178161	0.00214601	0	0	0	0.0265477	0	0.00395836	0.00542449	0	0	0.0127479	0	0	0
OPRL1	0.0378567	0.0577598	0.0626354	0.104033	0.284222	0.204152	0.108059	0.0336439	0.0307368	0.063352	0.113961	0.031602	0.0569915	0.0560591	0.144979
OPRM1	0.0109303	0.010565	0.010033	0.00246887	0.00755918	0.00604684	0	0.00426809	0.0014524	0.00750422	0	0.0113797	0	0.00504031	0.0103549
OPRPN	0	0	0	0	0	0	0	0.0374297	0	0	0	0	0	0	0
OPTC	0	0.0231662	0	0	0.0746866	0	0	0.028487	0.0195191	0	0	0	0	0.00837643	0
OPTN	9.16843	11.1663	12.4869	12.9954	11.1935	16.9663	7.19915	7.605	10.3903	18.0647	11.5193	9.22578	24.9684	10.4209	11.0325
OR10A2	0.0655782	0.0489065	0.0282741	0.14016	0	0.108037	0.0878988	0.0676566	0	0	0	0.0726293	0	0.100732	0.0490833
OR10A3	0.02449	0.0471986	0.162079	0	0.0380414	0	0.0559238	0.108823	0.0298261	0.0307375	0	0.0525698	0	0.0255991	0
OR10A4	0.0465187	0.0336201	0.0384835	0.0719083	0	0.0792201	0	0.020671	0	0.0583857	0	0.0499281	0.0300136	0.158033	0.10021
OR10A5	0.0586037	0.0467534	0.0532456	0.066007	0	0.0206562	0.0821595	0	0	0.0913425	0.0547707	0.0694318	0	0.0685272	0.0924334
OR10A6	0	0.0235993	0.0810394	0.0252377	0	0.0208529	0	0.108823	0.0596521	0	0	0.0350465	0	0.0383986	0
OR10A7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10AC1	0.0404245	0.0194772	0.0668841	0.145805	0.0627933	0.034421	0.0692331	0	0	0.0761054	0.0912685	0.0723121	0	0.0528191	0.0870821
OR10AD1	0.145554	0.233767	0.280962	0.124998	0.188413	0.123937	0.166189	0.172475	0	0.0304475	0.0273853	0.121506	0	0.0380364	0.243873
OR10AG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10C1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10D3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10G2	0	0	0.0346526	0	0.0325332	0.0178335	0	0	0	0	0	0	0	0	0
OR10G3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10G4	0	0	0.0204547	0	0	0.0105267	0	0.021974	0	0	0	0	0.0319055	0	0
OR10G6	0	0	0.0191647	0	0	0	0	0.0205882	0	0	0	0	0	0	0
OR10G7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10G8	0	0	0	0	0	0.0210534	0	0	0	0	0	0	0	0	0
OR10G9	0	0	0	0	0	0.0105267	0	0	0	0	0	0	0	0	0
OR10H1	0	0.00995596	0.0250989	0	0	0.0527839	0	1.02E-05	0	0.0778042	0	0	0.0133319	0.0863969	0

OR10H2	0.0674725	0.0108364	0.0284992	0	0	0	0	0.00070661	0	0	0	0	0	0	0
								9							
OR10H3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10H4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10H5	0	0	2.80E-07	0	0	0	0	0.0426125	0	0	0	0	0	1.25E-43	0
OR10J1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10J3	0.0233768	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10J4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0880822
OR10J5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10K1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10K2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10P1	0	0	0	0.025318	0	0	0	0	0	0	0	0	0	0	0
OR10Q1	0.0446346	0.0430113	0.110775	0	0	0.114017	0.0254812	0.0793351	0	0	0.100774	0.0159686	0	0.023328	0
OR10R2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10S1	0	0	0	0	0	0	0	0	0	0	0	0	0.0299835	0	0
OR10T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10V1	0.14931	0.0479599	0.12352	0	0.115965	0	0.0284129	0.0663472	0	0	0.0280921	0	0	0	0
OR10V2P	0.240447	0.130333	0.0994575	0.0929205	0	0.0255922	0.377486	0	0	0	0	0.0860232	0.0193919	0	0.0431641
OR10W1	0.0315086	0.0303626	0.0651653	0	0.0978874	0.0268291	0.0719509	0.0420033	0	0	0	0.0225452	0	0.0494033	0
OR10X1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR10Z1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR11A1	0	0	0	0	0	0	0	0	0	0.00162892	0	0	0	0	0
OR11G2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR11H1	0	0.00566301	0	0	0	0	0	0.0208166	0	0	0	0	0	0.00614289	0
OR11H12	0	0.00566301	0	0	0	0	0	0	0	0	0	0	0	0.00614289	0

OR11H2	0	3.67E-05	0.0176457	0	0	0	0	0.00013501	0	0	0	0	0	3.98E-05	0
								3							
OR11H4	0.166155	0.0686195	0.0196365	0.0244611	0.0368709	0.0202113	0	0.105475	0	0.0297917	0	0.0679363	0	0	0.0681771
OR11H6	0	0.0224586	0	0	0	0	0.0532205	0.0207126	0	0	0	0	0	0	0
OR11H7	0.117743	0.050427	0.0216456	0.0269639	0	0	0.0298745	0.0581335	0	0	0.0147686	0.00936092	0	0.0205126	0
OR11L1	0	0.0115074	0	0	0	0	0	0.0424512	0	0	0	0	0	0	0
OR12D1	0	0	0	0	0.00384895	0	0	0	0	0	0	0	0	0	0
OR12D2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR12D3	0	0.00099435	0	0	0	0	0	0	0	0	0	0	0	0	0
		3													
OR13A1	0.0111372	0.00536606	0.0368538	0	0	0	0	0.00989779	0	0	0.0125725	0	0	0	0
OR13C2	0	0	0.0200058	0	0	0	0	0	0	0	0	0	0	0	0
OR13C3	0	0	0	0	0	0.0566265	0	0	0	0	0	0	0	0	0
OR13C4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR13C5	0	0.0116517	0	0	0	0	0	0	0	0	0	0	0	0	0
OR13C8	0	0	0	0	0	0	0	0	0	0	0	0.0171957	0	0	0
OR13C9	0	0	0	0.0249212	0	0	0	0	0	0	0	0	0	0	0
OR13D1	0.0444631	0.117827	0.0551745	0.114551	0.0690666	0.0189299	0.0507665	0.0395151	0	0	0	0.0318145	0	0	0
OR13F1	0	0.0116153	0.0398866	0	0	0	0	0	0	0	0	0	0	0	0
OR13G1	0.175326	0.072407	0.0621609	0	0	0.0213268	0.0857922	0	0	0.031436	0.0282745	0.0179215	0	0	0
OR13H1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR13J1	0.123232	0.0950004	0.122336	0	0.0382845	0.0419723	0.168843	0.197134	0	0.0309339	0	0	0	0	0
OR14A16	0.074655	0.0239799	0.0205866	0	0.038655	0	0	0.0221157	0	0	0	0	0	0	0.035738
OR14A2	0.0640018	0.0246696	0.0741255	0.0131911	0	0.0217987	0.0438451	0.0455036	0	0.0160658	0.01445	0	0	0	0.0735317
OR14C36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR14I1	0	0	0.0204547	0	0	0	0	0	0	0	0	0.0176917	0	0	0

OR14J1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR14K1	0.12245	0.0471986	0.0405197	0	0	0	0.111848	0.065294	0	0.0307375	0	0.0350465	0	0	0
OR1A1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR1A2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR1B1	0.290195	0.0815619	0.180052	0	0.0375644	0.0205914	0.110445	0.236409	0	0	0	0	0.113751	0.0694594	
OR1C1	0.04898	0.035399	0.101299	0	0	0.0208529	0.0279619	0	0	0	0	0.0175233	0.0158008	0.0511982	0.105512
OR1D2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR1D4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR1D5	0	0	0.0203893	0	0	0	0	0	0	0	0	0	0	0	0
OR1E1	0	0	0.0202599	0	0	0	0	0	0	0	0	0.0175233	0	0	0
OR1E2	0	0.0114719	0.0196971	0	0	0	0	0	0	0	0	0	0	0.012444	0
OR1E3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR1F1	0	0	0	0.0253989	0	0	0	0	0	0.0309339	0.0556456	0	0	0	0.0353955
OR1F12	0.045647	0.0989705	0.0566437	0.0470406	0.0354528	0.116604	0.0521183	0.101418	0	0	0	0	0	0	0
OR1F2P	0	0	0	0.0242128	0	0	0	0	0	0	0.0265235	0	0	0.0245595	0
OR1G1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR1I1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR1J1	0.143301	0.126581	0.0395161	0.196901	0.222595	0.0203364	0.081808	0.127354	0	0.0299762	0	0.136714	0.0308189	0.374476	0.651693
OR1J2	0.24568	0.0710234	0.0406488	0.202544	0.228975	0.104597	0.168306	0.10917	0	0	0	0.0703162	0	0.218285	0.423393
OR1J4	0.270248	0.0473489	0.0406488	0.0759541	0.228975	0.146435	0.0841528	0.10917	0.0897632	0.0616707	0.110937	0.105474	0.0792557	0.256806	0.0705655
OR1K1	0.511045	0.281405	0.322113	0.0250784	0.642624	0	0.30564	0.281156	0	0.0610871	0	0.121889	0	0.0508752	0
OR1L1	0.04961	0.0358543	0	0	0.0385307	0.0211211	0	0.0440892	0	0	0.0280017	0.0177486	0	0.0259283	0
OR1L3	0.142419	0.114366	0.0196365	0	0	0.0404226	0	0.16876	0	0	0	0	0	0	0.0340886
OR1L4	0.259618	0.16782	0.132955	0.101921	0.0768144	0.0210534	0.197615	0.241713	0	0.031033	0	0.0176917	0.0159528	0.0258452	0.520797
OR1L6	0.0865392	0.153835	0.132955	4.02E-32	0.0384072	0	0.141154	0.153818	0	0.031033	0.027912	0.10615	0	0.0387679	0.260399
OR1L8	0.174195	0.13189	0.0205866	0.0512894	0	0.0423785	0.0852387	0.15481	0	0	0.0280921	0.0890294	0.0160557	0.13006	0.107214

OR1M1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR1N1	0.173078	0	0	0.0254803	0.153629	0.0421068	0.0564615	0.21974	0	0	0	0.0884587	0	0.284298	0.177545
OR1N2	0.139837	0.0224586	0	0.0480354	0.14481	0.0198449	0.0798308	0.186413	0	0	0.0526196	0.0500286	0	0.121808	0.167353
OR1Q1	0.22041	0.165195	0.0607796	0.0252377	0.0760829	0.104265	0.0838857	0.282941	0	0.0614749	0.0552923	0.122663	0.0158008	0.243191	0.351707
OR1S1	0.0236637	0.0114015	0.0195762	0	0	0	0.0270184	0.0630909	0	0	0	0	0	0	0
OR1S2	0	0.0570075	0.0391525	0	0	0	0	0.0210303	0	0.0297003	0	0	0	0	0
OR2A1	0.254251	0.176283	0.179554	0.134202	0.25045	0.137287	0.134527	0.0992007	0.0226573	0.038916	0.0140009	0.0621202	0	0.126401	0.151398
OR2A1-AS1	0.287735	0.20143	0.218996	0.201897	0.249609	0.118551	0.244577	0.085037	2.52E-18	0.0570421	0.157816	0.0400088	0.0315497	0.125585	0.173444
OR2A12	0.024805	0.0597571	0	0.0766868	0	0.0211211	0.0283215	0.0440892	0	0	0	0	0	0.0518567	0
OR2A14	0.04961	0.0119514	0.0410409	0.0766868	0.0385307	0.0211211	0	0.154312	0	0.0311328	0	0	0	0.0388925	0.106869
OR2A2	0.16928	0.0582585	0.200058	0.0747636	0	0	0	0.0429835	0	0	0	0.0173035	0	0.0252781	0
OR2A20P	0.630568	1.03626	1.05731	0.478105	0.343332	0.722758	0.817905	0.511243	0.142714	0.503255	0.36448	0.173877	0.31998	0.136462	0.463814
OR2A25	0.024805	0.0239028	0	0	0.0385307	0	0.0566431	0	0	0	0	0	0	0	0
OR2A4	0.922282	3.92771	5.2331	4.13749	0.75526	0.93128	3.30148	1.37245	1.38779	0.940121	0.182809	1.13385	0.998301	0.787551	0.231297
OR2A42	0.254251	0.176283	0.179554	0.134202	0.25045	0.137287	0.134527	0.0992007	0.0226573	0.038916	0.0140009	0.0621202	0	0.126401	0.151398
OR2A5	0	0	0.0409093	0	0	0	0	0	0	0	0	0	0.0353835	0	0
OR2A7	0.573496	2.63065	3.87317	2.57591	0.449349	0.754092	2.26	0.419178	0.999178	0.385043	2.45E-15	0.975135	0.261028	0.563133	0.212936
OR2A9P	0.709859	1.12801	1.61336	1.20572	0.50815	0.921011	0.776889	0.622603	0.712801	0.120857	0.383533	0.250972	0.442322	0.40805	0.464023
OR2AE1	0.452385	0.229438	0.315153	0.0245366	0.147939	0	0.434963	0.444362	0.0869927	0.119535	0	0.119255	0.0153619	0.049776	0.512907
OR2AG1	0.0695683	0.0335191	0	0.143384	0	0.039491	0.0264769	0.0824353	0	0.0291051	0	0.0331853	0	0.0671714	0.0999089
OR2AG2	0.0243355	0.0820765	0	0.0752353	0	0.0207213	0.0555709	0.0648821	0	0.0610871	0	0.0696508	0	0.0566968	0
OR2AJ1	0.0233768	0.0112633	0	0	0	0	0.0533818	0	0	0	0	0	0	0	0
OR2AK2	0	0.0221244	0	0	0.0713277	0	0	0.0816175	0	0.0576328	0	0	0	0	0
OR2AP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2AT4	0	0	0	0	0	0.0409263	0	0	0	0	0	0	0	0	0
OR2B11	0.024259	0.0233767	0	0.0249996	0.0753651	0.0206562	0.0276981	0	0	0.060895	0	0.0347159	0.0313035	0.0380364	0.104517

OR2M2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2M3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2M4	0	0	0.0204547	0	0	0	0.0564615	0	0	0	0	0	0	0.0129226	0
OR2M5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2M7	0	0.0118751	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2S2	0	0.0106501	0.0182861	0	0.0343354	0	0	0	0	0	0	0	0	0	0
OR2T1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2T10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2T11	0	0	0	0	0	0	0.194498	0	0	0	0	0	0	0	0
OR2T12	0	0	0	0.0247659	0	0	0	0	0	1.84E-26	0	0	0	0	0
OR2T2	0	0	0.00907835	0	0	0	0.189662	0.029258	0	0	0	0	0	0	0
OR2T27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2T29	0	0	0	0	0	0	0.0557468	4.53E-26	0	0	0	0	0	0	0
OR2T3	0	0	0	0	0	0	3.13E-08	0.0429835	0	0	0	0	0	0	0
OR2T33	0.00540769	0	0	0.00557278	0	0	0	0	0	0	0	0	0	0	0
OR2T34	0	0	0	0	0	0	0.110445	0	0	0	0	0	0	0	0
OR2T35	0	0	0.0105907	0	0	0	4.93E-05	0.034132	0	0	0	0	0	0	0
OR2T4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2T5	0	0	0	0	0	0	0.0557468	0.0650874	0	0	0	0	0	0	0
OR2T6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2T7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2T8	0.0191006	0.0118751	0	0.0196837	0.076569	0	0	0	0	0.0928016	0	0	0.0159018	0	0.0707909
OR2V1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2V2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR2W1	0	0	0	0	0	0	0	0.00266973	0	0	0	0	0	0	0
OR2W3	0.2449	0	0.0405197	0	0.228249	0.166823	0.335543	0.0435294	0	0.215162	0	0.0350465	0.300216	0.230392	0.105512

OR4M2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0111583	0
OR4N2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR4N3P	0	0	0.0204985	0	0	0	0	0	0	0	0	0	0.0479607	0.0129503	0.0711699
OR4N4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR4N5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR4P4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR4Q2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR4Q3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR4S1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR4S2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR4X1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR4X2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR51A2	0	0	0	0	0.0381626	0	0	0	0	0	0	0	0	0	0
OR51A4	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0128403	0
OR51A7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0353955
OR51B2	0.0219365	0	0.0362949	0.0452125	0	0.0373574	0	0.0194954	0	0	0	0	0	0	0
OR51B4	0.024805	0.0119514	0.0410409	0	0	0	0	0.0220446	0	0	0	0	0	0	0
OR51B5	0.0598321	0.0345936	0.0395979	0	0	0.0203785	0.0409886	0.0744433	0	0	0	0	0	0	0.0171853
OR51B6	0.0739395	0.0475002	0.0203893	0	0	0.0209862	0	0.0219037	0	0	0	0	0	0	0
OR51D1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR51E1	0.149118	0.0359236	0.00616803	0.092202	0.0694893	0.165063	0.0340515	0.039757	0.063563	0.664411	1.33826	0.0106698	0.346356	0.416954	1.2742
OR51E2	0.0664791	0.0120115	0.0274981	0.0342543	0.0129081	0.283031	0.0379519	0.051696	0.020241	0.0938679	0.487803	0.0535136	0.085784	0.0651467	0.179011
OR51F1	0	0	0	0	0	0	0	0.0219037	0	0.0309339	0	0.0176352	0	0	0
OR51F2	0	0	0	0	0	0	0	0	0	0	0	0.0482783	0	0	0
OR51G1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR51G2	0	0	0	0	0	0	0	0	0	0	0	0.0175233	0	0	0

OR6C70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6C74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6C75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6C76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6F1	0.174759	0.0360863	0.0619598	0.0257277	0.11634	0.0850313	0.0285048	0.110936	0	0	0	0	0	0	0
OR6J1	0	0	0	0	0	0	0.0206599	0	0	0	0	0	0	0	0
OR6K2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6K3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6K6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6M1	0	0	0.0203244	0.0759541	0	0	0	0	0	0	0	0.0351581	0	0	0
OR6N1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6N2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6P1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6Q1	0.0485179	0.0467534	0.0802749	0	0	0.0413124	0.0276981	0	0	0.0304475	0	0.0347159	0	0	0
OR6S1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6T1	0.0238097	0.0229438	0.0196971	0	0	0.060821	0.0271852	0.0211601	0	0	0	0	0	0	0
OR6V1	0.024568	0.0236745	0.0203244	0	0	0	0	0.043668	0	0	0	0.0175791	0	0.0128403	0
OR6W1P	0.107857	0.0297198	0.0509869	0.0158786	0.0478684	0.0131277	0.0703701	0.0822872	0	0	0	0.0110288	0	0.0402748	0.0663842
OR6X1	0.0246465	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR6Y1	0	0	0	0	0	0.0201493	0.0270184	0	0	0	0	0	0	0	0
OR7A10	0	1.39E-42	0	0	0	0	1.81E-39	1.35E-27	0	0	0	0	0	0	0
OR7A17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR7A5	0.119071	0.156464	0.0358196	0.122706	0.0168144	0.138255	0.16067	0.1443	0.0131832	0.013586	0	0.123925	0	0.0169723	0.0466366
OR7C1	0.0720967	0.150528	0.0397623	0.173361	0	0.122779	0.137196	0.106789	0.175611	0.0603259	0.0813882	0.171957	0	0.100482	0
OR7C2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR7D2	0	0.0318096	0.00593845	0.0165255	0.022301	0.00611228	0	0.0204331	0.00874244	0.00909734	0	0.00517394	0	0.0189254	0.010309

OR8H2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR8H3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR8I2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR8J1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR8J3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR8K1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR8K3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR8K5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR8S1	0	0	0	0	0	0	0	0.0190441	0	0	0	0	0	0	0
OR8U1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR8U8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR9A2	0.074415	0	0.0615613	0	0	0.0422422	0.0283215	0.0881784	0	0	0	0	0.0388925	0.0712462	
OR9A4	0.02449	0	0	0	0	0	0	0.0217647	0	0	0	0.0350465	0	0.0383986	0
OR9G1	0	0	0	0	0.0587404	0	0	0	0	0	0	0	0	0	0
OR9G4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR9G9	0	0	0	0	0.0587404	0	0	0	0	0	0	0	0	0	0
OR9I1	0.07347	0.165195	0.101299	0.0504753	0.152166	0	0.167771	0.130588	0	0	0	0.0350465	0	0.0383986	0
OR9K2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR9Q1	0.0569558	0.0548844	0.0942358	0	0.0147453	0.0161657	0.0108384	0.0927989	0	0	0	0	0	0	0
OR9Q2	0.08532	0.14388	0	0	0	0	0.0974156	0.0189563	0.0259775	0	0	0	0	0.011148	0
ORAI1	7.16479	10.8314	13.4605	8.62205	5.40913	8.67222	14.5842	7.20277	8.20048	3.61636	7.9664	3.46183	6.15364	4.48551	3.31921
ORAI2	0.673593	0.447726	0.55922	1.053	1.35541	2.31962	0.632147	0.452118	0.196407	1.07017	1.40693	0.364252	1.18206	1.37799	1.97258
ORAI3	2.9299	4.10761	3.99887	3.06295	5.86556	6.17839	4.09403	2.32185	1.22378	1.91168	5.20602	1.48339	2.18381	1.75242	2.26335
ORC1	0.576933	0.376498	0.338325	1.55786	0.215536	1.96501	0.825489	0.227159	0.266825	0.907429	0.948074	0.595702	1.7952	0.950395	0.597814
ORC2	3.4347	3.50521	3.92663	4.02282	1.33874	3.65845	2.37324	3.54245	1.49726	2.27476	2.41082	1.98605	2.91523	2.99411	2.02949
ORC3	3.67121	2.99577	2.97753	3.79256	0.92249	4.09903	1.65407	2.83885	2.34515	3.1283	4.70304	1.42288	2.50218	1.92344	2.40356

ORC4	28.6347	27.2812	26.1736	14.9672	7.05768	7.94829	18.2735	26.2546	6.13451	11.2853	5.91296	15.7703	4.13574	20.4238	17.9496
ORC5	1.92944	2.28453	2.08012	4.06131	0.813041	2.91002	1.33585	2.28023	2.16236	2.60199	4.13608	1.98273	3.52934	2.41375	1.4002
ORC6	0.820129	0.384139	0.397211	1.65292	0.404881	1.19805	0.599817	0.238844	0.267321	1.0495	1.5951	0.623131	1.248	1.4344	0.768357
ORM1	0.1105	4.37E-14	7.14E-11	0.0162677	0.0245207	0	0.0901182	0.0280581	0	0.173103	0.0374024	0.0112951	0.0533913	0.0720832	0.158457
ORM2	0.0820991	0.0924819	0.068053	0.0120865	0.0182183	0	0.0669559	0.0208465	0	9.29E-07	0.148546	0.00839202	2.77E-26	2.17E-13	0
ORMDL1	5.32438	4.60948	4.43102	3.67253	0.922617	5.38258	2.33723	5.32572	5.16693	3.12833	5.26823	2.67897	3.46948	4.59544	3.74709
ORMDL2	3.86077	4.36926	4.07275	15.1534	4.90461	9.18852	5.53971	3.1671	15.2243	16.2225	21.2504	9.8272	22.5197	9.47498	5.23643
ORMDL3	3.88161	4.69322	4.57435	3.68563	7.67908	5.73721	4.08346	2.91266	4.92801	3.27083	3.32083	2.54594	3.26039	3.0175	2.95375
OS9	28.4879	26.2678	27.0664	40.5324	54.3506	69.519	28.5477	20.8695	32.9223	33.7966	27.3122	24.2669	43.2031	24.6731	33.6075
OSBP	9.50673	9.34963	9.42777	8.91486	7.44727	13.2549	7.75097	7.73663	9.08284	7.49174	7.28824	6.54821	8.41914	6.09419	5.83908
OSBP2	0.762573	1.19248	1.37743	0.965865	1.44045	1.21329	1.52659	0.826511	2.96997	0.697057	0.531622	0.953821	1.37492	0.992886	0.53018
OSBPL10	3.10368	2.26032	2.21766	3.20975	4.40296	4.4155	2.76596	2.05042	1.75282	3.5438	2.54869	3.00688	4.88037	4.01083	4.07072
OSBPL10-AS1	0.0850847	0.184478	0.140776	0.131523	0	0.0362243	0.242868	0.0756162	0	0.0533951	0	0.243522	0	0.289049	0
OSBPL11	2.75441	2.8634	3.01755	3.399	3.00739	3.79844	3.03665	2.35477	4.70368	3.68253	4.39933	2.46	4.51366	2.96782	2.28598
OSBPL1A	4.60861	3.29065	3.39159	4.08766	3.67915	7.33807	3.87725	3.17856	10.4901	6.77523	7.29653	4.16536	6.52078	2.80144	3.7157
OSBPL2	7.59764	11.2677	11.1371	9.78991	13.7747	8.82454	8.46214	8.95957	19.4963	9.27382	7.42987	10.1496	13.6497	7.02733	5.06652
OSBPL3	3.34665	3.42978	3.02705	4.04627	3.48734	2.77283	3.06716	2.92268	3.19711	4.45509	2.62165	4.35823	4.53044	3.9258	2.91426
OSBPL5	4.23925	5.27275	5.9599	5.57128	8.21276	9.64265	6.63488	3.41293	2.76273	3.52718	3.27998	3.13979	4.20644	4.54944	6.45573
OSBPL6	1.23831	1.99178	2.5084	2.07888	0.800263	1.41909	1.56978	1.86452	1.92767	1.42956	1.27177	2.06522	1.4237	1.28628	1.0073
OSBPL7	0.544393	0.295847	0.314205	0.371834	1.11112	1.32056	0.578205	0.247532	0.0462565	0.23835	0.628844	0.22647	0.277725	0.569048	1.2
OSBPL8	7.43064	6.78533	7.66648	8.11393	3.26481	10.4053	5.39529	8.24358	6.55377	10.08	11.238	5.21259	14.0533	6.78623	9.42379
OSBPL9	5.5398	3.87656	4.34551	3.81297	2.04582	6.31411	3.05433	3.85301	3.47015	5.9046	7.4802	2.66213	6.19625	4.68984	4.83533
OSCAR	0.134618	0.291874	0.464022	0.936412	0.749304	1.32774	0.358639	0.289123	0.0683123	0.732157	1.67163	0.168565	0.528367	0.39869	0.93442
OSCP1	0.764608	0.927578	0.960102	0.872375	0.869566	1.66251	0.982131	0.582446	0.947835	0.908251	1.6184	0.410323	0.51094	0.52093	0.50982
OSER1	5.84254	4.29216	4.33807	5.34009	2.95033	6.27569	4.18399	3.03652	15.0231	10.7144	13.2842	6.55879	8.82453	5.43276	3.9433
OSER1-DT	0.737677	1.247	1.61356	0.579812	0.912809	0.990091	1.08494	0.522246	0.563408	0.376621	1.21383	0.232602	0.532413	0.287523	0.430941

OSGEP	3.58895	3.04671	3.65238	4.24156	4.33602	5.90574	2.5367	1.98715	1.82123	2.84213	6.67208	1.63047	3.06905	3.27511	3.2725
OSGEPL1	1.14031	1.21893	0.937807	1.01683	0.559301	1.05601	0.671525	0.956565	0.136437	0.761617	1.14873	0.45818	0.656541	0.822465	0.764208
OSGEPL1-AS1	0.401005	0.158547	0.409507	0.216528	0.0955288	0.240246	0.259908	0.195694	0.0616079	0.0634905	0.171316	0.0797963	0.0326378	0.1776	0.181619
OSGIN1	0.751553	0.224163	0.315803	0.245872	0.315018	2.40738	0.871719	0.296852	0.537561	1.15289	1.06388	0.973082	1.32385	0.311741	0.908003
OSGIN2	1.80622	1.19568	1.38417	1.19696	0.476884	1.52054	1.22101	1.40967	0.53592	1.56698	2.16028	0.618738	1.88504	1.29165	1.39618
OSM	0.05466	0.0105344	0.099481	0.664679	0.152831	0.651592	0.0374454	0.0485773	0.0665698	3.30671	8.83609	0.10951	2.0525	0.919881	2.33926
OSMR	4.97807	4.42944	5.23499	16.071	2.66492	18.799	4.23473	5.67382	6.63215	10.9339	13.6919	5.94418	14.7435	10.964	13.8943
OSMR-AS1	0.140901	0.135777	0.203986	0.50821	0.273586	0.899818	0.361972	0.125221	0.171602	0.61896	0.55671	0.075614	0.113636	0.0184103	0.101176
OSR1	2.2361	1.14804	1.93073	0.843676	1.02495	5.43112	2.55311	1.44429	0.178578	0.322062	1.06213	0.262294	0.496675	0.491742	0.228127
OSR2	5.37754	2.75882	4.38564	0.560903	1.9953	2.94757	7.63137	3.66657	0.172349	0.929063	1.56066	0.186937	0.386288	1.43372	6.19079
OST4	38.4595	35.0623	32.4033	98.8545	28.547	66.4473	38.0087	28.3431	68.7756	85.911	214.183	61.5971	62.7861	55.8027	44.2332
OSTC	9.66304	6.93043	6.9469	21.3651	2.80853	12.8978	6.17019	9.39112	12.111	24.4074	47.6707	8.62475	17.2259	13.6496	14.6851
OSTCP1	0.448811	0.282058	0.322859	0.402185	0.0606225	0.0830776	0.178239	0.190762	0.0237653	0.17144	0.0881134	0.307174	0.11331	0.122383	0.280239
OSTF1	16.3394	15.7536	14.8148	24.5762	11.8005	23.338	12.3768	13.9415	34.2821	26.0382	32.3138	18.1738	31.3306	14.1591	11.2897
OSTM1	2.15007	2.1842	2.08728	4.02565	2.18093	4.4644	1.91658	2.16404	4.50516	4.93544	7.26979	2.33545	5.74273	3.64465	2.86456
OSTM1-AS1	0.0208059	0.00334153	0	0	0	0	0.00791849	0	0	0.017409	0	0	0	0	0
OSTN	0.0214951	0.0138089	3.42E-42	0.0147675	0	0	0.0654464	0.0318384	0.0087262	0	0	0	0	0	0
OSTN-AS1	0	0	0.0374669	0	0	0	0	0	0	0	0	0	0	0	0.195125
OTC	0.0702582	0.0135406	0.0116245	0	0	0.0598239	0	0.0374638	0	0	0	0	0	0	0
OTOA	0.0189716	0.0114414	2.48E-10	5.65E-18	2.13E-18	0.0479615	0.0125787	0.0128857	0	0.0369443	0.126343	6.59E-27	0	0.00809031	7.31E-39
OTOAP1	0.0685121	0.0548596	0.0503641	0.0717011	0.0270193	0.146106	0.0912257	0.0588479	0.0317764	0.0890225	0.103872	0.0560072	0	0.0475109	0.199843
OTOF	0.0124275	0.0149694	0.0257022	0.102455	0	0.0343909	0.078041	0.0138056	0.00378381	0.00779887	0.00350727	0.00666914	0.0100227	0.00649514	0.00446185
OTOG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTOGL	0.0544003	0.0151747	0.0118431	0.0147529	0	0.0170657	0.0359599	0.0305346	0.00348703	0.0215615	0.0711077	0.0102434	0.00738923	0.0254392	0.0287832
OTOL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTOP1	0.345063	0.372645	0.275617	0.049048	0.332691	0.0607897	0.353226	0.13747	0.115931	0.0298683	0.0134322	0.0766248	0.038385	0.0435316	0.0512643

OTOP2	0.43117	0.597265	0.142678	0.2666	1.9088	0.0367136	1.8215	0.0383188	3.03255	0.595279	0.4624	1.55028	0.396419	0.861957	0.634695
OTOP3	1.03682	0.788293	0.35411	0.61756	2.99946	0.137691	5.03934	0.0929896	12.3957	2.2206	1.71808	2.57954	2.12346	1.65052	1.13383
OTOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTOS	0	0	0	0	0	0	0	0.0363385	0	0	0	0	0	0	0
OTP	0	0	0	0	0	0.00735848	0	0	0	0	0	0	0	0	0
OTUB1	9.65689	10.2772	10.2078	16.7099	18.5206	21.9034	13.4972	8.05608	29.9645	17.4488	25.9269	18.4328	21.9076	13.1589	7.51871
OTUB2	3.56736	2.40691	1.8933	5.33275	5.62489	2.34559	5.34211	2.59684	37.8283	4.48491	8.51966	6.32792	2.14358	1.9644	0.926807
OTUD1	3.91789	4.49896	6.30395	2.97258	4.11111	3.51328	4.42239	2.95994	5.74034	6.43828	4.20461	3.02145	5.1995	3.12783	4.42012
OTUD3	2.0855	2.17228	2.10442	1.07642	1.31346	1.69712	1.72401	1.88184	2.83414	2.13593	0.966576	1.55579	1.58854	1.99612	1.21435
OTUD4	4.37395	5.30384	5.45986	6.3971	2.74672	4.91987	3.36253	5.22629	4.81135	3.83307	3.73223	4.45952	6.77494	5.31887	4.49321
OTUD5	6.64234	6.8425	7.06773	9.13723	12.162	11.8492	6.41728	5.00168	13.3242	7.03538	7.29479	6.46253	9.1869	5.57258	6.02141
OTUD6A	0.0847821	0.0924271	0.0231165	0.0564949	0.127706	0.105005	0.0480313	0.109597	0.0333755	0.0343954	0.0309362	0.142002	0.0176812	0.152345	0.236137
OTUD6B	1.94148	1.8946	1.99603	1.78328	1.30029	1.65315	1.51797	2.30683	1.58491	1.7746	2.35845	1.56535	1.96065	2.13971	1.44462
OTUD6B-AS1	1.14406	1.10987	1.19819	0.861412	0.149589	1.17751	0.483795	0.920887	1.80148	1.0443	1.93072	0.658741	1.04632	0.650277	0.520009
OTUD7A	0.680747	0.976586	1.11584	0.409723	0.730558	0.496823	0.872745	0.797952	0.262838	0.219762	0.250558	0.339841	0.145708	0.225113	0.326249
OTUD7B	3.03042	3.00712	2.77558	3.01141	3.87791	4.94263	2.55796	2.51364	2.13534	2.23229	1.56794	1.68563	3.57292	2.29656	2.67341
OTULIN	5.66921	6.46273	6.74213	4.02732	4.55958	3.13404	5.70406	5.7084	4.28988	4.03811	2.70612	3.86086	4.36702	3.85338	3.09963
OTULINL	1.00479	0.6012	0.763323	0.605714	0.295836	0.827607	0.768575	0.913403	0.395911	0.704742	1.05644	0.279594	0.855908	0.430759	1.35341
OTX1	4.25583	3.09398	2.31594	3.07159	2.83655	3.86795	3.52377	3.48048	1.85637	1.63845	1.32034	2.75361	1.67964	1.45525	0.791084
OTX2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTX2-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OVAAL	0	0.0149573	0	0	0	0	0	0	0	0.0194815	0	0.0111063	0	0	0.0668739
OVCA2	4.4117	3.49633	2.98494	9.64117	8.3863	10.1283	4.47845	2.80659	17.8206	11.6563	22.6914	10.0822	19.0192	11.3264	6.60847
OVCH1	0.0811325	0.0418831	0.0287651	0.0185161	0.0602626	0.00740178	0.0430089	0.0555676	0	0.0459554	0.00704951	0.00621991	0.00934755	0.0248976	0.0291291
OVCH1-AS1	0.053634	0.0129208	0.0221849	0.0524956	0.158525	0.0570858	0	0.0288555	0.11431	0.0734365	0.164153	0.0287824	0.0432554	0.0599838	0
OVCH2	0.388171	1.03832	1.10732	0.0689693	1.45543	0.0455894	0.840555	0.666158	1.01071	0.117599	0.166213	0.641692	0.0345443	0.167897	0.0384457

OVGP1	1.98192	1.36275	1.58835	0.159565	0.913961	0.922895	1.22573	0.880683	0.414864	0.557099	0.198098	0.487478	0.173161	0.555684	0.429908
OVOL1	2.02942	7.20624	6.33539	10.5753	15.5716	9.25308	6.14694	3.32131	33.1941	14.9656	24.8288	25.3543	25.4413	15.4096	2.9255
OVOL1-AS1	0.680678	1.14786	0.703881	0.569935	1.05733	1.0505	1.21434	0.983011	3.41958	0.907716	0.672351	4.93131	0.43917	1.57865	0.549866
OVOL2	1.38186	1.84145	1.89499	1.32141	2.64929	1.31444	1.12291	0.92936	1.86489	1.375	1.33509	1.50541	2.71487	0.897896	0.375451
OVOL3	0	0.21478	0.122925	0.0382818	0.17311	0.0632617	0.169656	0.0990415	0.0904836	0.186497	0.125806	0.265802	0.0239675	0.0582451	0.0533489
OVOS	0.13634	0.145339	0.188734	0.113929	0.074096	0.0791027	0.138158	0.107327	0.00973611	0.0884547	0.0856997	0.172831	0.0329856	0.0853355	0.196462
OVOS2	0.496232	0.0929023	0.0972154	0.151141	0.00680771	0.0427137	0.0327085	0.0407431	0.00492325	0.0379657	0.0509123	0.0380848	0.112151	0.0284237	0.0732263
OXA1L	19.5349	15.8146	15.8043	21.3661	9.55716	33.898	18.1233	13.9989	11.9531	13.3322	27.9038	11.1552	14.454	13.348	11.5041
OXCT1	5.72226	6.96828	4.93076	6.11498	6.37273	5.59339	5.2258	4.97144	23.4701	6.12297	7.21431	9.59742	4.76301	5.36044	3.15505
OXCT1-AS1	0.138016	0.0586596	0.0675808	0.0138178	0.0227414	0.011988	0.107166	0.0371998	0.0489901	0	0.032618	0	0	0.0226719	0
OXCT2	0.203009	0.213966	0.230922	0.156905	0.650396	0.399738	0.333197	0.135313	0.169979	0.191098	0.186202	0.217888	0.229216	0.709554	0.145773
OXCT2P1	0	0.00618108	0.0318385	0	0.0199275	0.043694	0	0	0	0.0483042	0	0.00917931	0.0165541	0.0670486	0.128966
OXER1	0.866388	1.01197	1.27058	0.324668	1.46814	0.894203	1.03418	0.839971	0.111911	0.230662	0.25192	0.178463	0.0677562	0.281292	0.377043
OXGR1	0.739812	0.30613	0.460818	0.0269081	0.148718	0.466897	0.397503	0.487311	0	0.05462	0.0491268	0.168148	0.0224622	0.104625	0.124996
OXLD1	3.75605	4.12061	4.0514	4.09403	9.02096	6.69166	3.03497	2.01568	5.31339	4.0071	7.48543	3.39046	3.70965	2.87666	2.46887
OXNAD1	1.39979	1.14616	1.26678	1.03186	0.983488	0.830198	1.1571	1.05526	0.613428	1.09424	0.952223	1.40685	0.690404	1.29614	1.7343
OXR1	5.51192	5.84327	5.89807	4.21162	2.92485	4.58036	4.36816	4.79958	12.0603	4.65675	6.73428	2.58743	4.7794	3.21621	3.09132
OXSM	1.42465	1.43856	0.940352	2.10851	1.17712	2.38744	1.05558	0.808158	1.53203	2.28266	3.5758	1.38809	1.80902	1.75057	1.17535
OXSR1	5.04	5.63574	6.16739	9.72333	5.24573	8.7529	4.05444	4.49732	11.9149	16.5047	9.61732	9.52636	23.8057	13.1626	6.75308
OXT	0.0451132	0.0217362	0.111962	0.0464904	0.210229	0	0.309052	0	0.0549428	0.113243	0.0509271	0	0.116427	0.0943124	0.71267
OXTR	0.0252543	0.0316366	0.0125353	0.0676658	0.0706116	0.0559097	0.0230676	0.0224439	0.0123028	0.0633935	0.028509	0.0433683	0.0586582	0.100312	0.0435221
P2RX1	2.01209	0.506141	0.675175	0.358077	1.16734	3.33709	3.77354	0.409342	0.0393654	0.29412	0.784498	0.104075	0.302389	0.223836	0.638268
P2RX2	0.0587685	0.215198	0.204193	0.0484501	0.219091	0.0300244	0.08052	0.104457	0	0.0147521	0	0.0336404	0.0303337	0.036858	0
P2RX3	0.0182949	0	0.00504494	0.00628448	0.00947277	0	0	0	0	0	0.0137684	0.0043635	0	0	0
P2RX4	1.55455	1.10241	1.39471	2.26763	1.41144	4.94049	1.39995	1.00211	0.573312	1.69005	5.46241	0.681492	2.20374	1.43613	2.42119
P2RX5	0.0222951	0.0377026	1.56E-29	0.0145889	0.125273	0.0860967	9.30E-34	0	1.21E-30	0.0125853	0.0413092	0.00783417	0.0196845	0.0290149	0.086403

P2RX5-TAX1BP3	0.182074	0.175308	0.222888	0.190412	0.181399	0.194509	0.232004	0.191362	0.0725987	0.0970916	0.0882519	0.144162	0.229078	0.234499	0.157677
P2RX6	0.082301	0.1031	0.0612767	0.178109	0.178979	0.0630704	0.112762	0.0585138	0.0100233	0.0516481	0.0557446	0.0471109	0	0.0258085	0.0590973
P2RX6P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P2RX7	1.89016	3.19844	3.74433	1.67211	2.8211	1.68216	3.4777	1.82655	0.936054	0.743143	0.835506	0.574388	1.13503	0.380869	0.940266
P2RY1	3.87261	4.86881	5.00844	7.93572	3.85759	4.19998	3.30545	3.91721	6.20777	7.13795	4.48786	6.89917	12.94	4.75254	1.5862
P2RY10	0.158297	0.155591	0.214766	0.202281	0.0393424	0.102439	0.0433773	0.270108	0.0848268	0.103313	0.221585	0.0135919	0.167497	0.115826	0.400109
P2RY11	1.23339	0.934397	1.7182	8.53E-06	0.744462	0.496803	1.5547	0.657678	0.247902	8.73E-07	1.53E-06	0.00405945	7.54E-05	0.0441096	0.0105477
P2RY12	0.39569	0.0650999	0.0718557	0.0298368	0	0.0986122	0.110192	0.223002	0.0235076	0.0726778	0.0217895	0	0.0435873	0.0151321	0.0277201
P2RY13	0.810717	0.636261	1.03714	1.1197	0.103862	0.441232	0.448511	1.15131	0.193401	0.618912	1.66057	0.0837243	1.31037	0.135414	0.864217
P2RY14	1.12694	0.767249	0.756635	0.370283	0.12685	0.354625	1.36129	1.24828	0.358039	0.532971	0.792803	0.20451	0.605913	0.123773	0.985128
P2RY2	1.95007	3.7298	3.29734	5.77816	3.73331	4.40826	2.09061	2.40753	1.00933	4.08266	1.80974	3.01501	10.0187	3.86166	1.77415
P2RY4	0.381246	0.673531	0.957862	0.0436539	0.263203	0.180348	1.22527	0.426662	0.0687874	0.0708893	0	0.050517	0.0182206	0.110698	0.141949
P2RY6	0.275772	0.181823	0.246149	1.62288	0.484733	1.05049	0.290009	0.245083	0.0176768	0.573834	1.16332	0.103854	1.17525	0.451355	1.88642
P2RY8	0.207708	0.0526721	0.099481	0.188701	0.280189	0.383974	0.0655295	0.131159	0.0332849	0.102906	0.215965	0.0625771	0.192202	0.134268	0.482767
P3H1	2.52673	2.06493	2.54041	4.39356	7.20141	8.98657	2.83388	1.86797	1.20731	6.08065	15.1535	2.04794	5.34275	5.74971	11.5711
P3H2	3.22379	2.54535	2.90542	2.26129	0.986911	1.41258	1.64562	1.57368	2.14222	2.62116	1.81299	1.71319	3.70449	2.65647	1.14899
P3H2-AS1	1.47737	1.10893	1.1533	0.359377	0.689436	0.647869	1.15831	0.919217	0.193052	0.716225	0.143154	0.612474	0.0613635	0.613063	1.59352
P3H3	1.80223	1.62397	2.20056	1.1965	7.7928	4.45617	2.35451	1.03185	0.443204	3.04498	4.77323	0.545576	1.80568	2.56312	9.88007
P3H4	1.38752	1.60703	1.6482	2.52061	5.8856	3.02179	1.41158	0.893213	4.17043	3.48295	5.68298	2.67294	3.82763	3.10524	4.3685
P4HA1	3.66752	3.81938	5.05675	6.75081	1.49291	8.20319	2.66873	4.46885	1.1705	8.91676	13.1062	1.76047	7.2774	6.4376	7.14414
P4HA2	5.45354	4.61375	3.82893	6.86305	7.62802	6.62561	6.39539	2.88333	3.29705	9.83756	12.4643	5.0875	11.7587	8.53578	9.47376
P4HA2-AS1	1.04032	0.970588	0.481554	0.587775	0.0442161	0.460096	0.70509	0.634549	0.424124	1.03807	0.670683	0.43489	1.01542	1.0288	0.356147
P4HA3	0.241598	0.121256	0.108261	0.923277	3.01792	1.70574	0.264355	0.241551	0.0490398	2.07207	3.77282	0.316928	2.0394	1.55732	8.76089
P4HA3-AS1	0	0.00516953	0	0	0	0	0	0	0	0	0.012112	0	0	0.0224304	0
P4HB	88.5864	80.7537	72.7353	194.627	165.731	188.537	93.7447	68.6598	282.993	180.602	204.181	155.876	239.076	124.747	95.5319
P4HTM	2.97148	2.66796	2.61762	1.43181	4.04862	3.8514	2.88325	1.98286	4.06356	0.941924	2.17523	0.827249	0.981493	1.2297	2.95661

PA2G4	18.2254	18.9083	19.1893	44.4932	19.1108	45.3028	24.2002	18.3119	42.9654	32.487	35.3681	26.3022	54.7233	29.5987	14.1248
PA2G4P4	0.782371	1.41894	1.28055	0.693554	0.940872	0.587384	0.739603	1.21118	0.204912	0.116145	0.0664774	0.939032	0.0976998	0.545202	0.483262
PAAF1	1.82346	1.92059	2.0961	2.77499	2.12434	4.25174	2.03355	1.75244	1.82051	1.30398	2.28585	1.4261	1.75105	1.27438	1.15711
PABPC1	148.091	171.857	149.764	419.261	184.912	313.098	115.323	172.588	350.409	288.783	310.493	255.305	520.571	200.854	130.354
PABPC1L	0.674021	0.942755	0.77814	0.912308	1.25795	0.942257	0.821263	0.742062	0.140898	0.631317	0.335017	0.942965	0.19472	1.11203	1.31472
PABPC1L2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PABPC1L2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PABPC1L2B-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PABPC1P2	0.035297	0.0368477	0.0340668	0.0121249	0.0274142	0.0100183	0.0268673	0.0209127	0	0	0	0.012628	0	0.0215224	0
PABPC3	0	0	0.00797097	0.0198842	0	0.0164269	0	0.00852816	0	0.0121017	0.0108873	0.00690464	0.0186545	0.00503837	0
PABPC4	14.2268	9.63309	10.9168	28.9178	12.4654	19.256	9.5134	9.64554	7.31882	13.6244	14.7078	9.10515	22.4513	15.6038	11.8133
PABPC4L	0.243369	0.119472	0.113962	0.29812	0.20685	0.566939	0.235928	0.228529	0.0894782	0.29969	0.48208	0.108425	0.148133	0.172794	0.309942
PABPC5	0.140993	0.0841072	0.122194	0.0276758	0.125149	0.29156	0.0689921	0.11337	0.0163537	0.168534	0.356224	0.0192161	0.0346546	0.0982524	0.414611
PABPC5-AS1	0.51942	0.19465	0.0954891	0	0	0	0	0.153872	0.0702884	0	0.586361	0	0.0372364	0	0.663069
PABPN1	8.87986	12.0083	10.8163	14.055	19.9774	15.1197	7.51082	7.03332	7.97387	10.1973	9.00564	10.3549	10.3543	12.889	9.43155
PABPN1L	0.106242	0.051189	0.0439454	0	0.0550102	0.0301546	0.0808691	0.0786825	0.0215651	0	0.079956	0.0126698	0	0.00925445	0.050859
PACERR	0.233473	0.0703069	0.0241432	0.0902254	0	0.1491	0.233251	0.0518729	0.0710861	0.219775	0.329453	0.0835282	0.301272	0.183035	0.0838243
PACRG	0.345228	0.166336	0.31733	0.118589	0.158891	0.130648	0.277379	0.363626	0.093433	0.0641921	0.0433021	0.0823399	0.0329984	0.073509	0.257077
PACRG-AS1	0.0216797	0.0052228	0.0358699	0	0.016838	0	0.0123766	0.00963354	0	0	0	0	0	0	0
PACRG-AS2	0.0384649	0	0	0	0	0	0	0.0341844	0	0.0160925	0	0.0183484	0	0.0134023	0
PACRG-AS3	0.0840038	0.0556522	0.0521204	0	0	0.00894102	0.0239782	0.0466597	0.0127884	0	0.0118537	0.00751337	0.0203246	0.016464	0
PACRGL	1.57692	1.35728	1.51396	1.04002	0.493709	1.26389	1.00848	1.50621	0.702346	0.933548	1.04554	0.63537	0.763185	0.891092	0.903494
PACS1	8.12814	8.71356	8.26672	20.5798	17.2985	27.4603	10.7331	7.5761	6.91938	10.5702	11.6644	11.6465	18.1455	10.0361	11.0295
PACS2	3.61387	3.2874	3.40597	3.94027	7.43989	7.66941	4.60014	2.68535	2.24375	2.1221	2.82841	2.35855	2.21669	2.42493	4.49415
PACSIN1	0.0514519	0.00743709	0.0212823	0.0159068	0.0239768	0.0481917	0.0822445	0.0502988	0	0.025831	0	0.0257706	0.0265572	0.0026891	0
PACSIN2	6.31119	5.46505	6.19243	7.11496	7.57831	10.5028	6.4753	4.5706	5.32681	5.41588	4.24161	3.83533	7.9961	5.23466	5.58157

PACSIN3	4.05924	5.05377	4.78192	12.3933	15.8054	13.9821	3.2999	2.91487	3.33534	6.52129	3.10379	5.2823	14.1632	7.79596	3.12465
PADI1	0.403063	1.00579	1.926	0.0619953	0.0467236	1.07571	1.49738	5.33037	0.417619	0.551189	1.0798	0.223835	0.00388141	0.11319	0.103675
PADI2	3.20916	2.25927	3.57197	0.59583	3.25462	3.22938	3.42791	4.33226	0.142123	0.419426	0.832331	0.0569315	0.568113	0.133071	0.677982
PADI3	0	0.0104931	0.0480441	0.0598484	0.0338292	0.0432691	0.0165772	0.0516126	0	0.127559	0.0573649	0.0363602	0.154564	0.159352	0.198084
PADI4	0	0	0	0.0526481	0	0.00870022	0	0.00908063	0	0.205188	0.519052	0	0.0065924	0.0320412	0.0440217
PADI6	0.00965904	0	0	0.00995392	0	0	0	0	0	0	0	0	0	0.00504823	0
PAEP	0.274858	0.185403	0.0909528	0.311574	0.17078	0	0.0627648	0.0732813	0.100424	8.69337	2.5443	0.472004	0.851218	0.402228	0.236839
PAF1	4.55596	5.20396	5.3692	9.21804	8.96819	12.0477	4.70857	3.21123	16.0599	11.0051	6.81682	9.28793	18.4354	8.64703	5.55583
PAFAH1B1	18.7568	17.8363	19.1285	20.6209	13.4857	20.917	16.0408	17.8602	33.3217	30.9354	22.6726	21.9544	40.3589	20.6599	17.5891
PAFAH1B2	5.45375	5.00833	5.10287	10.463	2.83692	8.87883	4.65673	5.25742	4.5496	6.92646	12.1458	4.27936	11.0266	7.68342	5.46339
PAFAH1B3	2.14424	1.7387	1.56956	5.84245	5.67963	7.32719	1.9378	1.39037	1.51722	2.70276	6.30284	1.88795	3.57981	3.10859	1.65986
PAFAH2	1.80957	2.35718	2.57163	2.99036	3.37306	2.4433	2.29485	1.89537	3.55764	2.12519	2.27623	1.52138	1.818	1.6213	1.18801
PAG1	1.88281	1.36386	1.7162	2.36875	1.30505	2.59188	1.62583	2.16149	1.44562	2.28201	2.83557	0.850864	2.59774	2.5558	3.30105
PAGE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAGE2	0	0.0509451	0	0	0	0	0	0	0	0.463823	1.61656	0.0991585	0	0	0
PAGE2B	0.0455572	0.125358	0.113064	0.046948	0	0	0.104031	0.0404874	0	5.85E-23	5.64E-28	0.0325974	0	0.0238102	0
PAGE3	0	0	0	0	0	0	0	0	0.0341644	0	0	0	0	0	0
PAGE4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAGE5	0	0	0.0254595	0	0	0	0	0.0820517	0	0	0	0	0	0	0
PAGR1	3.39431	3.44375	4.01586	4.0404	9.30712	5.54344	3.79953	2.66707	2.4709	2.57435	4.22791	2.55427	3.46318	3.93066	4.00574
PAH	0	0.0102842	0.00441447	0	0	0	0	0.00948472	0	0	0	0	0	0	0
PAICS	7.51056	7.63037	8.93344	20.5359	4.67879	15.6574	7.3363	7.8436	6.00711	12.3816	16.5557	7.60919	17.129	14.285	5.86524
PAIP1	7.54258	5.91083	6.60609	10.7178	3.47613	10.7337	3.93372	5.51572	7.25478	9.38595	12.7949	4.63667	13.6385	6.96711	6.38138
PAIP2	11.9192	9.78369	8.13459	17.3427	4.14798	16.852	5.90727	9.65347	18.3273	16.5135	26.5492	10.7975	17.3724	10.7583	8.10938
PAIP2B	2.11226	4.18062	4.20898	1.48019	2.68192	2.00188	3.50223	2.84029	3.69098	1.24487	1.10308	2.02919	0.739479	0.671976	0.416773
PAK1	3.12656	3.75646	4.43559	6.93763	3.7406	6.21374	3.48624	3.25747	5.01495	6.61261	6.03017	4.09823	8.6912	5.27075	3.98377

PAK1IP1	3.2973	2.72241	2.89425	5.7909	1.97179	5.87885	2.17401	2.58643	3.92148	4.02188	5.90666	2.81345	6.78172	5.17804	3.35698
PAK2	7.2645	6.0568	7.16409	13.8011	3.24415	13.9577	6.12792	7.82021	4.50734	9.36211	10.4819	5.62392	17.362	8.8418	11.3377
PAK3	0.381014	0.151142	0.19789	0.0619968	0.0912246	0.196365	0.320549	0.229137	0.00348897	0.0629227	0.0970191	0.0143487	0.04436	0.0344369	0.191309
PAK4	5.72534	5.86654	5.73614	10.6795	14.1966	12.535	8.33078	5.08818	14.3135	8.11497	7.76777	8.04198	12.0274	6.94784	4.04606
PAK5	0.0193787	0.00933697	0	0	0.0150509	0.0330015	0	0.0301389	0	0	0	0	0	0	0.0278303
PAK6	1.95394	5.44661	5.82184	4.53125	8.10795	6.264	3.92202	3.65542	3.23947	2.31068	1.05717	2.83321	4.28799	2.82367	0.685547
PALB2	2.54357	2.54449	2.42504	3.13841	1.26681	3.01563	1.81673	2.31626	2.84079	2.33349	2.72973	2.33008	3.0651	2.20272	1.67902
PALD1	2.93784	2.04026	2.02392	2.58384	4.51626	5.40848	1.83331	2.17425	3.92341	2.99433	2.79611	2.88133	2.38242	2.32169	2.80061
PALLD	20.3624	20.1179	15.6693	27.4593	28.6181	26.5047	13.6641	16.8832	53.4558	25.0862	27.5357	27.2185	25.2221	26.7937	27.8907
PALM	5.77373	4.92737	7.01475	2.43973	7.54254	12.2801	9.57104	3.81436	0.411899	1.10164	0.627233	0.956462	2.59255	3.03021	5.80539
PALM2	0.17097	0.158477	0.195136	0.259254	0.181584	0.274297	0.182255	0.156877	0.0475217	0.187762	0.222289	0.209541	0.295457	0.642892	0.968088
PALM2-AKAP2	1.73435	0.716974	0.859128	1.84599	2.28613	4.36004	1.47135	0.666625	0.335021	2.39179	3.54523	0.850461	2.83077	3.73428	5.14894
PALM3	0.0512014	0.064141	0.0762434	0.0105529	0.14316	0.0610363	0.0584601	0.0273021	0	0.0128526	0.01156	0	0	0.0267601	0.102944
PALMD	12.8104	17.7338	22.1385	7.38246	8.11575	11.0072	8.14859	12.9325	14.7925	13.8474	10.8435	18.4094	13.0494	9.96547	9.10196
PAM	11.4734	8.63324	12.0319	7.76976	7.5289	10.7777	14.0775	8.56112	4.11339	11.5579	12.7065	6.64014	15.0883	11.0313	19.9756
PAM16	3.05044	2.15091	2.33061	5.68994	4.85372	7.10782	1.87906	1.45783	2.06294	2.2687	6.5645	1.82416	3.22181	4.27074	1.59311
PAMR1	0.719895	2.00875	3.0088	0.283847	0.30144	0.325146	5.53209	0.784429	0.144854	0.314275	0.289735	0.138854	0.125206	0.310814	0.845068
PAN2	2.88247	4.49099	4.40447	2.59757	3.70216	3.62668	3.87998	2.66151	1.079	1.11197	1.46499	1.76786	1.1486	1.5826	2.81948
PAN3	7.46933	6.39424	6.94922	5.53956	3.10075	5.59138	5.23025	7.0592	3.9757	4.3401	4.71639	3.6594	3.6354	4.01115	4.85503
PAN3-AS1	0.636849	0.490499	0.513471	0.499111	3.08821	1.12408	0.653972	0.375388	0.406293	0.231796	0.337097	0.350754	0.271167	0.42125	0.383793
PANCR	0	0.0134023	0	0	0	0	0	0	0	0	0	0	0	0	0
PANDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PANK1	0.697152	0.910544	1.00041	0.686136	1.14969	0.522193	0.768275	0.864112	1.7137	0.441516	0.663068	0.709812	0.293597	0.423894	0.148314
PANK2	2.52452	2.66003	2.68116	2.35439	3.43224	3.04107	2.05063	2.14592	1.98334	2.4973	2.56917	1.597	2.28639	2.61581	2.77888
PANK3	12.9552	12.5499	12.8146	15.0688	7.49339	11.8224	10.6648	11.4103	27.0539	15.0852	16.8154	11.0152	17.0038	12.3706	7.46763
PANK4	1.9672	2.72975	2.95104	2.81113	5.77196	4.45935	2.87499	1.71721	3.67361	2.67754	2.19112	2.90276	4.0841	2.98391	2.68703

PANO1	0.245864	0.2684	0.363975	0.279782	0.775373	0.54482	0.420176	0.0896144	0.371042	0.26162	0.38267	0.338431	0.160461	0.177028	0.127244
PANTR1	0	0.0113474	0.0129888	0	0	0	0.00896336	0.0069768	0	0	0	0	0	0	0
PANX1	3.70389	4.17345	5.17373	15.2334	4.54559	9.94555	3.07389	3.30657	5.13207	10.7562	10.4861	6.01836	19.4793	10.6535	9.9661
PANX2	0.119333	0.114992	0.203611	0.176777	0.139023	1.12406	0.102188	0.0994245	0.0363334	0.346354	0.404135	0.128078	0.341655	0.101349	0.567685
PANX3	0	0	0.0119735	0	0	0.012324	0	0	0	0	0	0	0	0.0151289	0
PAOX	0.702026	2.02948	1.86042	2.21942	4.65769	1.68185	1.39932	0.803671	1.73896	1.25447	1.53127	1.34519	1.88086	1.51739	0.956933
PAPLN	4.04506	4.30567	2.31073	1.68865	12.2545	4.33076	2.8393	2.5172	3.38122	4.98856	3.48355	6.47412	2.29877	3.46516	3.98859
PAPOLA	8.27983	7.30474	7.73087	11.3644	1.81884	8.33612	4.61729	8.87863	7.55713	9.38328	10.6562	5.47471	14.2135	7.92361	8.25212
PAPOLB	0.0543647	0.0707231	0.062964	0.0112049	0.0253341	0.0370327	0.0310359	0.106293	0	0	0	0.0194497	0.00701516	0.0710334	0.296683
PAPOLG	1.51342	1.47649	1.34014	1.91804	0.374775	1.35535	0.958791	1.62904	1.33945	1.12868	1.46793	0.845237	1.54251	1.31011	1.48947
PAPPA	1.00631	0.51535	0.343817	2.16538	0.452232	3.08254	0.556421	0.765154	0.0796495	1.73239	2.77676	1.031	0.910607	3.48864	1.99357
PAPPA-AS1	4.63E-07	3.74E-07	4.60E-08	4.03E-07	8.06E-24	1.78E-12	1.56E-12	0.192282	1.73E-09	0.0443087	0.00059760 3	1.33E-06	2.07E-08	1.68E-10	1.19E-10
PAPPA2	0.14737	0.017389	0.0522491	0.00309936	0.0654046	2.95272	0.0755462	0.0534571	0	0.00377478	0.0169757	0.00215198	0	0	0.194365
PAPSS1	9.55948	9.45746	11.1846	12.6378	8.24483	13.3182	8.58624	8.71413	12.1192	11.0154	15.2005	7.98008	11.2899	7.67988	8.35485
PAPSS2	1.13376	0.482675	0.664984	1.83601	1.25794	4.10671	0.958878	0.95961	0.336065	3.5537	6.12174	0.575161	2.74408	1.81842	5.91844
PAQR3	1.64925	2.3194	2.33893	1.47336	0.657099	1.60949	1.96254	1.93684	5.46493	2.27832	2.72015	2.99236	2.38038	1.67917	1.25347
PAQR4	1.78495	1.61337	2.2063	5.35983	2.66315	5.19495	2.75731	1.26182	1.49992	4.10959	3.14996	2.56015	7.23817	2.9513	2.34158
PAQR5	1.58094	1.45402	1.04628	1.47737	1.65202	2.28188	1.52537	1.0877	4.98693	11.6962	12.2747	7.72674	16.8216	7.5153	3.12819
PAQR6	1.67787	2.65293	1.74703	1.23223	3.13057	1.64217	1.66251	1.81681	1.45626	1.56127	0.304799	2.54602	0.721703	1.41619	1.41254
PAQR7	3.59816	7.50264	7.46696	3.9368	11.8086	8.22659	7.47354	5.36813	19.785	5.71714	8.80649	5.91605	5.75933	2.88485	2.37481
PAQR8	0.371227	0.553062	0.860702	0.714783	0.569056	0.794396	0.490779	0.468827	0.166568	0.576279	1.14141	0.216692	0.516845	0.541212	1.12238
PAQR9	0	0	0	0	0	0	0.0376589	0	0.0267797	0	0	0	0.014187	0	0
PAQR9-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARAL1	0	0	0	0.0603024	0	0	0	0	0	0.0367218	0	0	0	0	0
PARD3	11.6753	15.809	17.1382	7.70746	10.6799	6.62216	12.1412	11.6337	18.5758	7.08525	6.07023	8.30815	8.80133	5.44324	3.03478

PARD3--AS1	0.274695	0.694849	1.02261	0	0.640044	0.0584748	0	0.244126	0.250911	0	0.0775241	0	0	0.107676	0
PARD3B	4.18751	2.51417	2.76386	1.08248	2.37491	2.71219	3.2747	2.33002	0.637918	0.86707	0.910912	0.650305	0.635706	0.772434	2.01273
PARD6A	0.256534	0.264862	0.272858	0.339899	0.42695	0.951754	0.64857	0.162847	0.87034	0.0229983	0.641247	0.10489	0.271917	0.277729	0.315785
PARD6B	0.847492	1.13802	1.26225	0.971554	0.975475	0.661848	1.19094	1.12309	3.84155	1.29027	1.29071	1.35633	1.70834	0.982847	0.180045
PARD6G	7.40046	9.05665	10.5016	7.54553	9.50768	6.44531	9.95896	8.20774	11.9976	7.81857	9.75111	6.75077	10.1025	6.36011	2.99942
PARD6G-AS1	1.00326	1.75451	1.69579	0.536089	2.41457	0.464043	1.83137	1.57958	0.211185	0.715096	0.118848	1.28949	0.111878	1.16845	0.640358
PARG	4.13007	3.76112	3.79145	3.65424	2.52756	3.25414	2.83395	3.66061	4.17512	3.14822	3.43288	3.52672	3.88772	3.13715	2.85152
PARGP1	4.19943	3.48526	3.70002	2.4297	2.02122	2.19414	3.23517	2.93806	1.22357	1.6109	1.64713	1.9014	0.559493	2.49474	1.89239
PARK7	24.8288	16.1981	14.4836	53.0097	20.4248	58.646	16.3054	11.7927	21.4105	37.3285	70.7929	17.1798	39.3266	31.1017	23.5178
PARL	9.54984	6.31442	7.48382	11.0412	5.20542	13.9188	7.27513	7.64818	6.41888	6.87175	9.02232	4.78435	8.87175	5.95322	5.37747
PARM1	6.03075	2.25705	2.826	1.93005	2.25482	6.12937	3.53958	2.63301	1.05403	1.8104	3.30318	0.822404	1.51268	1.33305	6.71435
PARN	5.68255	5.17927	5.3655	6.77657	3.41651	7.64461	4.02832	4.89006	4.07744	4.1832	5.16075	3.52351	5.06607	4.31169	4.5925
PARP1	7.37558	6.07201	7.00483	16.1591	7.39732	21.6395	6.86294	5.64642	3.90426	6.38522	6.28064	4.84526	14.2273	8.14364	8.05679
PARP10	2.41205	4.21137	4.44246	5.26574	11.1417	9.75575	2.44237	2.42569	0.904477	1.01975	1.33996	0.849322	1.77331	1.45305	3.07204
PARP11	1.03375	0.698259	0.773351	1.21312	0.491717	1.46563	0.638151	0.87475	0.463837	0.850487	1.25631	0.552101	0.82653	0.866001	1.16494
PARP12	3.15198	3.18424	3.59611	7.0933	3.51348	7.38718	2.52685	2.61701	1.52215	3.0608	4.24643	2.50399	5.38496	3.46358	3.20455
PARP14	5.41045	4.98511	4.51317	11.1482	3.24606	18.9825	2.55738	4.93377	1.28349	3.28229	4.73501	1.98937	5.86772	3.15571	6.62743
PARP15	18.4065	16.3795	16.689	9.27219	4.11753	3.61526	10.3189	15.3143	2.22202	5.69882	1.86664	7.68707	1.30644	11.5615	11.2675
PARP16	1.83294	2.45133	2.38079	2.22431	1.62317	3.59551	2.09279	1.88016	0.917963	1.02126	2.37857	1.04186	1.30971	1.06541	1.36537
PARP2	4.30484	3.66372	4.05841	3.48834	1.14306	4.39652	2.08647	2.74671	2.43469	2.30898	3.36435	1.81654	3.46589	2.12811	2.23689
PARP3	2.7386	1.85845	1.83478	2.3949	2.2618	4.31069	1.22211	1.49115	0.516737	1.31921	2.72142	0.896971	1.28787	1.11884	2.04957
PARP4	8.5226	6.76911	6.42036	13.5405	3.33922	15.9226	5.5754	6.41586	2.86031	6.26721	7.60027	4.22389	10.0528	6.35189	9.62025
PARP6	6.26488	6.91845	6.7622	6.07461	6.42754	11.7692	6.73033	5.34835	4.7477	4.7379	4.51544	5.17355	4.7821	5.30791	5.11891
PARP8	2.09426	1.5949	1.36015	1.94558	0.650619	1.85509	1.04211	1.8612	0.479658	1.18087	1.98306	0.514408	1.17777	0.939355	1.83599
PARP9	2.05849	1.94393	2.10153	8.36738	1.57519	8.34283	1.37425	2.3213	0.652998	1.76766	2.60786	1.2353	3.59807	1.75369	3.69644
PARPBP	0.318375	0.160595	0.181352	0.62932	0.0324304	0.566715	0.214538	0.288094	0.114421	0.490557	0.677995	0.175529	0.447886	0.499129	0.314823

PARS2	0.630469	0.883268	0.866606	0.889612	0.753335	1.66832	0.664476	0.70685	0.992285	0.584347	0.799317	0.652385	0.438066	0.775617	0.919362
PART1	0.202073	0.0939103	0.169305	0.213413	0.113536	0.251019	0.219739	0.184045	0.189902	0.348599	0.409556	0.165612	0.119467	0.289051	0.178446
PARTICL	1.25494	1.17789	1.57749	0.722206	1.2405	1.73468	1.35842	0.999412	0.516075	0.7364	1.1407	0.466464	0.694012	0.519598	0.702176
PARVA	6.82461	3.14085	3.92809	6.3363	4.25039	10.0917	5.36933	4.21509	1.47675	5.72386	9.99963	2.37633	6.96136	5.47785	12.4631
PARVB	2.75969	1.38614	2.07146	4.76552	3.22747	7.4487	3.95386	1.63821	0.700748	3.31659	8.08309	1.37996	5.6235	3.66988	5.72304
PARVG	0.658767	0.439026	0.606098	0.977078	1.12849	1.12186	0.400683	0.465083	0.112473	0.680002	1.69584	0.162996	0.94143	0.440834	1.50311
PASD1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PASK	1.36118	1.15	1.50495	0.935723	1.54443	1.45891	0.977868	1.01195	0.294588	0.505746	0.398768	1.13607	0.570977	0.787418	0.896857
PATE1	0.0460406	0.00739435	0	0	0	0	0.0175225	0.027278	0	0	0	0	0	0	0
PATE2	0	0.0272466	0.0116955	0	0	0	0.0161417	0.0251284	0	0	0	0.0101157	0	0.0147777	0
PATE3	0	0.00834631	0.0143305	0	0	0	0	0	0	0.0217417	0	0	0	0.00905357	0
PATE4	0.0466124	0.0224586	0.0289208	0.0120089	0.0724051	0.0198449	0.0266103	0	0	0.0292517	0	0.0166762	0	0.0243617	0.0669413
PATJ	7.9322	10.2255	10.101	9.90812	6.40832	4.87458	8.16654	8.14223	8.80247	8.64769	3.90415	9.55306	11.0618	7.8627	2.75849
PATL1	5.52921	5.44159	5.7896	8.65104	3.26652	11.5362	5.48072	5.48702	4.44605	5.43354	5.21626	4.46989	8.9692	5.42791	5.73401
PATL2	0.247232	0.367718	0.311238	0.0996964	0.30055	0.247126	0.270008	0.248378	0	0.0944396	0.0970762	0.0615308	0.083224	0.039326	0.185247
PATZ1	2.82022	1.8079	2.08268	1.89628	2.32098	3.96001	1.98578	1.81467	0.356928	0.783911	1.17693	0.498468	0.939241	0.934099	2.04234
PAUPAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAWR	3.83567	4.21254	3.8899	3.70189	4.97565	2.37789	3.12313	4.17888	10.4447	3.7507	4.00938	4.16376	3.63901	3.23599	2.30351
PAX1	0	0.00416692	0.00715455	0.204985	0.0806035	0.0294559	0.0296233	0.0153719	0	0.0162819	0.00488147	0.0123763	0.0167397	0.00452002	0.235983
PAX2	0	0	0	0	0	0.00465423	0	0	0	0.00686039	0	0	0	0	0
PAX3	0.224417	0.497388	0.487342	0.254396	0.156869	0.415618	0.237015	0.388915	0.204986	0.021125	0.0253339	0.0802884	0.00723965	0	0
PAX4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAX5	0.0154872	0.00870564	0.0042707	0.0452201	0.0681615	0.015385	0.00294713	0.00917583	0.00314361	0.0745125	0.0874156	0.0923459	0.0549575	0.055311	0.0926733
PAX6	0.109891	0.0753027	0.0808086	0.0880802	0	0.0561425	0.050188	0.0933215	0.0803009	0.0490398	0.0441078	0.0541673	0.0456918	0.0293551	0.11924
PAX6-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAX7	0	0.00353261	0.00303272	0	0	0.0031215	0	0.00651596	0	0	0	0	0	0	0

PAX8	0.194048	0.756212	0.821537	0.341128	1.21456	0.884463	1.11431	0.319546	0.959214	1.04583	1.37232	0.763655	0.34982	1.04401	0.819638
PAX8-AS1	0.445733	2.1838	1.40453	1.0219	6.01357	3.322	3.33945	1.19729	3.70848	3.84694	4.7717	2.60522	0.720577	4.58328	7.21404
PAX9	0.0819619	0.0323104	0.0431484	0.660356	0.173611	0.393359	0.119104	0.0397314	0.0725966	0.804261	0.294397	0.250578	1.73547	0.334906	0.288919
PAXBP1	3.64707	4.16336	4.43877	3.3365	2.29285	2.56417	2.06669	3.53804	2.00108	2.28535	2.31092	2.19714	2.18624	3.23786	3.11784
PAXBP1-AS1	1.17517	0.713714	0.730282	0.40202	0.429725	0.447559	0.607782	0.791884	0.0877456	0.299793	0.294352	0.332285	0.189474	0.519346	0.919289
PAXIP1	2.22203	1.92418	2.04664	2.40393	1.27107	2.96027	1.71889	1.9307	1.89828	1.46337	1.62988	1.6063	2.55163	1.86371	1.20644
PAXIP1-AS1	2.46615	2.0573	2.52914	0.913657	1.94705	3.51428	1.54751	1.67548	1.99819	0.831373	1.23093	0.845838	0.683798	0.756306	0.482959
PAXIP1-AS2	0.845142	1.0492	0.835419	0.833821	0.868824	1.45235	1.00875	0.855161	0.191202	0.656646	0.892354	0.411219	0.2589	0.417419	1.15094
PAXX	5.00315	7.0163	6.77494	10.427	15.0222	11.2096	4.05296	3.85022	5.82094	4.87623	11.8007	6.4398	6.14943	6.50065	3.53236
PBDC1	4.01569	3.85268	4.50226	8.33104	3.96699	7.10854	2.41315	2.50443	5.59851	6.60962	7.47584	4.33521	8.76132	6.2871	4.02175
PBK	0.312162	0.248945	0.249338	1.5419	0.183926	1.72313	0.282675	0.162628	0.262192	1.48612	3.06216	0.431316	1.93766	1.54711	0.37101
PBLD	1.02173	0.476658	0.604998	0.395956	0.604611	1.48451	0.666618	0.670213	0.368668	0.508881	0.915404	0.291128	0.470869	0.508573	0.826833
PBOV1	0.101789	0.0802528	0.130138	0.0286081	0.0143739	0	0.0739576	0.0740138	0	0.0116141	0	0.0397268	0	0.0193452	0.0132892
PBRM1	6.43196	6.72095	7.19842	7.62817	2.91387	6.88962	5.52304	6.64084	6.81257	6.36434	5.62896	5.34273	8.86221	6.27931	6.69654
PBX1	5.36405	4.32952	3.70436	3.36657	3.1422	7.43563	4.35528	4.97254	4.36744	2.75651	4.51117	2.94208	2.34569	2.46113	3.37935
PBX2	1.21925	1.38478	1.4576	1.58438	1.65877	2.21401	1.25453	1.14031	1.23282	1.25369	1.36359	1.06693	1.40189	1.25455	1.52473
PBX3	2.24422	2.18775	2.2945	2.3742	1.33188	2.86322	1.89837	2.01435	1.98861	3.9771	4.38513	2.36869	3.95906	2.79789	2.90175
PBX4	0.601987	0.670329	0.664008	0.193002	0.415597	0.467021	0.488767	0.475552	0.423599	0.100741	0.166117	0.0670036	0.0431554	0.216741	0.307388
PBXIP1	6.69934	7.30855	7.20599	6.50241	17.5237	11.8732	7.29328	4.32372	5.25246	3.73307	4.1251	3.26831	5.08083	5.35191	9.02095
PC	1.35333	0.744079	0.848706	6.73141	2.8566	3.02025	1.47665	0.640162	1.17634	3.28072	1.81111	2.35057	7.93956	4.05849	2.91534
PCA3	0.295042	0.159214	0.146447	0.0547288	0.146656	0.14571	0.134748	0.220255	0.0143731	0	0.0199839	0.0802218	0	0.172706	0.296602
PCARE	0.0525531	0.0902056	0.122275	0.0575423	0.163266	0.0391547	0.120007	0.0496238	0.0160009	0.0494696	0.0296629	0.0446537	0.0402645	0.0205999	0
PCAT1	0.52281	0.654934	0.682397	0.287344	0.288748	0.237422	0.278566	0.598856	0.0424482	0.116654	0.22296	0.241077	0.059967	0.255027	0.0834246
PCAT18	0.13362	0.0944245	0.0958015	0	0	0.0530955	0.101709	0.118751	0	0	0	0	0	0	0
PCAT19	1.0453	0.311167	0.446142	1.06349	0.341289	1.06013	0.623351	0.384607	0.154064	0.760434	1.93913	0.309656	0.760334	0.748143	1.5203
PCAT2	0.241493	0.0775699	0.0998899	0.0414775	0	0	0	0.143079	0.0490185	0.0505164	0	0.0575982	0	0.0420715	0.115605

PCAT29	0	0.0645294	0.0221592	0	0	0	0.0611666	0.0238051	0	0	0	0	0	0	0
PCAT4	0	0	0	0	0	0	0.037911	0	0	0	0	0	0	0.00578459	0
PCAT5	0	0.00314104	0.00539312	0	0	0	0	0.0057937	0	0	0	0	0	0	0
PCAT6	1.09051	1.7806	2.15513	1.15502	1.64689	2.6567	2.14436	1.45373	2.32421	1.59682	3.18021	1.84235	2.79482	1.23489	0.348025
PCAT7	0	0.00576758	0.0197683	0.0246253	0	0.0203469	0	0.0212549	0	0.0149958	0	0.00854903	0	0.0249779	0
PCBD1	3.3634	2.85491	2.91269	7.27136	1.82302	8.44541	3.66047	2.60752	2.38802	3.03582	6.89899	2.60118	3.09348	3.18658	2.19931
PCBD2	2.24813	2.30235	1.98058	2.26661	1.10357	1.86453	1.52232	1.87686	0.877097	1.67343	1.47218	1.32309	1.51327	1.36317	1.24392
PCBP1	45.8365	41.0536	43.0939	95.5074	48.3978	92.7308	61.4093	36.5986	86.1192	80.2857	117.132	59.018	159.301	68.5369	52.6654
PCBP1-AS1	1.04755	0.855228	0.954871	0.309865	0.527335	1.23885	0.753073	0.612029	0.543394	0.389565	0.536528	0.291491	0.225291	0.370066	0.807925
PCBP2	58.4288	51.7596	54.8306	80.2908	40.1662	96.4886	70.6239	50.4313	54.2912	50.8743	91.9923	45.1704	77.5444	51.5829	47.59
PCBP2-OT1	2.11818	2.15454	1.78476	1.61692	2.3763	1.002	3.71727	2.12648	0.334406	0.935409	0.664211	2.66636	0.227773	3.52617	1.57732
PCBP3	0.192735	0.142866	0.141047	0.664611	0.345443	1.69161	0.296233	0.144935	0.189589	0.446589	1.12134	0.127299	0.58828	0.600516	0.851668
PCBP4	3.84862	3.75811	3.89703	4.53725	8.01884	7.82996	4.54658	2.63594	2.91231	7.53546	8.13309	4.72185	9.46893	5.35317	4.89333
PCCA	3.78362	2.68127	2.94137	2.3537	1.95842	2.7796	2.10391	3.88219	2.42841	1.79117	2.86829	1.43856	0.841203	1.70964	2.50517
PCCA-AS1	0.19994	0.240835	0.330809	0	0.077644	0.0851231	0.285356	0.088845	0	0	0.0564268	0.143062	0	0.0522487	0
PCCB	4.56444	3.59604	3.64338	5.58103	4.40742	7.31099	5.05662	3.58508	4.07159	4.2115	7.19982	3.55728	5.65909	4.06193	3.96853
PCDH1	12.4267	9.30772	8.70841	10.1855	19.2711	18.1446	14.0191	7.86436	32.3711	15.8454	11.0738	10.8615	22.9147	7.28313	12.2291
PCDH10	0.0145737	0.0117031	0.010047	0.00500621	0.003773	0.0310233	0.0138665	0	0	0.00304858	0.00548397	0.00173798	0.00626859	0.00634738	0
PCDH11X	0.0307238	0.0469171	0.0899562	0.00899815	0.0130534	0.0332163	0.0360516	0.0522376	0.00335025	0	0	0	0.0206191	0.00149028	0.0731715
PCDH11Y	0.206977	0.176904	0.288296	0.0890822	0.316953	0.099214	0.119641	0.113996	0.0284274	0.11253	0.0166692	0.127174	0.0208671	0.0914506	0.156638
PCDH12	1.22381	0.859836	0.924892	1.66097	2.027	2.86491	1.67516	0.824335	0.326441	0.925145	1.44125	0.560226	1.25835	2.03313	3.24158
PCDH15	0.00656727	0.0118658	0.00679113	0.00169194	0.00510062	0	0.00374915	0.0160502	0	0	0.00370681	0	0	0	0
PCDH17	0.271625	0.0710057	0.0956202	1.01842	0.641869	1.3262	0.168264	0.25167	0.306174	1.17508	1.75171	0.386643	3.03334	3.13225	4.43622
PCDH18	3.36134	1.56312	2.23172	1.82654	1.45543	5.74429	2.47837	2.09215	1.11259	5.59569	11.8243	0.595002	2.79845	2.13427	6.78415
PCDH19	1.29759	0.696063	0.55537	0.205347	0.456918	0.545369	0.717749	0.558673	0.0722264	0.160776	0.144607	0.0780787	0.032141	0.0657098	0.238473
PCDH20	0.799373	0.0887012	0.0801573	0.0349481	0.0827801	0.321764	0.243386	0.133472	0.0118006	0.0547252	0.251576	0	0.0281319	0.0126602	0.048703

PCDH7	2.7316	4.30303	5.15149	6.22045	7.21674	5.08603	6.02764	2.48972	3.00916	4.70576	3.17303	3.94571	10.1637	5.97256	3.42128
PCDH8	0.0867214	0	0	0	0	0.0836877	0.0462073	0.0102761	0	0	0	0.00827353	0	0	0
PCDH9	0.383281	0.129896	0.137042	0.043515	0.0454095	0.226792	0.218809	0.132787	0.0197794	0.0937655	0.143003	0.0116207	0.0272439	0.0373477	0.153937
PCDH9-AS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCDH9-AS3	0.0443353	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCDH9-AS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCDHA1	0.0098609	2.98E-16	0.00415504	0.00759555	0.00644997	0.0211934	0.00472616	2.38E-15	3.30E-15	0.0373424	2.63E-23	5.35E-16	5.24E-19	0.00260694	2.05E-15
PCDHA10	0.0587716	0.0359813	0.0392845	0.0516959	0.213269	0.127953	0.0332909	0.0961641	0.0125091	0.0498835	0.00545125	0.0138862	0.0207535	0.0239954	0.043068
PCDHA11	0.0344221	0.0170225	0.0302917	0.010305	0.18128	0.0209968	0.0267017	0.0520157	0.00491767	0.026895	0.0187884	0.00714386	0.0108098	0.00574245	0.0057399
PCDHA12	0.0300974	0.0189274	0.0482571	0.0218686	0.205429	0.0234792	0.0771709	0.028106	0.0171166	0.00566798	1.29E-26	0.035592	2.56E-22	0.00700117	1.00E-18
PCDHA13	0.0437517	0.0043881	0.0194239	0.018026	0.170187	0.0174507	0.0115844	0.00846776	1.13E-11	0.0113941	0.00493596	0.00653538	9.90E-22	0.00241422	0.0392877
PCDHA2	0.0382852	0.00216252	0.00316736	0.011841	0.0119087	0.0140267	0.0183755	0.00680484	2.17E-18	3.73E-19	0.0129656	3.52E-19	3.44E-22	8.26E-20	1.35E-18
PCDHA3	0.0176642	0.0194721	0.00768881	0.0133961	0.0137314	0.0558133	0.102089	0.0291955	6.18E-18	0.0453849	0.0293496	0.013075	0.0140046	0.0072479	0.0659818
PCDHA4	0.0808531	0.0537357	0.0140265	0.124268	0.256791	0.100991	0.0726636	0.0795632	0.0994893	0.0280516	0.043818	0.0477677	0.02831	0.011882	0.0715828
PCDHA5	0.0575629	0.024007	0.0216054	0.0448657	0.169096	0.0250019	0.0199022	0.0462665	9.20E-18	0.0173968	0.0098272	0.0067366	1.46E-21	0.014628	0.073542
PCDHA6	0.0653836	0.00520212	0.0108876	0.0263165	0.261619	0.0326624	0.108637	0.0888739	0.0127178	0.0387637	0.0383636	0.0283161	0.0296686	0.00502451	0.0693856
PCDHA7	0.0568758	0.0152137	0.0231296	0.0463393	0.21975	0.0470576	0.0327832	0.0536328	9.08E-18	0.0127094	0.00997932	0.00333103	0.045209	0.0276597	0.0611581
PCDHA8	0.0381704	0.0212947	0.0072099	0.0728243	0.144332	0.029634	0.0159604	0.0349148	2.81E-05	1.07E-18	0.00491926	0.00977372	0.0028188	0.0233725	3.87E-18
PCDHA9	0.0331807	0.0110971	0.0179465	0.024624	0.125011	0.00219686	0.0490063	0.0298794	0.00564891	0.0119056	5.13E-29	0.012529	0.00186931	0.00965706	0.0244564
PCDHAC1	0.102167	0.0177273	0.0338172	0.054801	0.139868	0.0585601	0.0374465	0.0307091	0.00703424	0.0231911	0.0418127	0.023058	0.039631	0.0124192	0.00789453
PCDHAC2	0.122424	0.028741	0.0156265	0.0457197	0.167146	0.127738	0.0846277	0.0436676	6.35E-21	0.0379436	0.0623413	0.002705	0.0194998	0.0109532	0.125038
PCDHB1	0	0.00862055	0	0	0	0	0	0	0	0	0	0	0	0	0
PCDHB10	0.873109	0.740773	0.844417	0.501214	0.618785	0.849782	0.407532	0.636123	0.176585	0.491054	0.875998	0.503308	0.31702	0.309216	0.449447
PCDHB11	1.09952	1.21166	1.40672	0.209481	0.291802	1.01099	0.687225	1.25355	0.0630655	0.355038	0.484234	0.146877	0.0808525	0.228333	1.19819
PCDHB12	0.525428	0.545321	0.566523	0.308801	0.750737	0.683811	0.425202	0.471156	0.0596768	0.349578	0.402625	0.183217	0.282078	0.277464	0.826371
PCDHB13	1.46356	2.30661	2.78025	1.21116	2.31267	2.23679	2.64046	1.72222	1.2461	0.614516	1.06808	1.06261	2.00905	0.87267	1.23475

PCDHB14	1.37817	1.71902	2.19579	1.32978	1.74688	2.12056	1.42984	1.64165	1.08322	1.11853	1.25575	0.803172	1.74712	0.86515	1.24834
PCDHB15	0.964346	0.908455	0.936869	0.719294	0.797668	1.17769	0.590955	0.754687	0.286566	0.638565	0.762726	0.435278	0.640253	0.508801	1.20074
PCDHB16	1.06045	0.573458	0.820655	0.885137	0.910347	2.32891	1.23455	0.746629	0.100565	0.391832	0.789908	0.35294	0.311326	0.308552	0.958601
PCDHB17P	0.0444032	0.0645012	0.0545481	0.0447081	0.155657	0.0897368	0.0524133	0.111804	0.0128359	5.69E-37	0.0356168	0	0	0.0225631	0.0796763
PCDHB18P	0.549569	0.64824	0.680275	0.406999	0.752802	0.413739	0.437454	0.422531	0.127654	0.266768	0.233527	0.0950945	0.295457	0.26473	0.993184
PCDHB19P	0.385384	0.332784	0.414048	0.221785	0.241009	0.170467	0.211438	0.427009	0.0670506	0.138199	0.0791001	0.0823676	0.0710422	0.159565	0.230009
PCDHB2	0.816209	0.706762	0.643509	2.10536	1.458	1.21311	1.01742	0.539882	0.0533217	0.331671	0.378591	0.118759	0.861874	0.383722	0.654699
PCDHB3	0.398009	0.426507	0.678603	0.250462	0.616912	0.672991	0.413734	0.279735	0.0395391	0.107762	0.21721	0.304863	0.289981	0.111811	0.296313
PCDHB4	0.792223	0.48344	0.772335	0.154071	0.455495	1.52133	0.477318	0.61133	0.0656488	0.244195	0.50822	0.205268	0.317213	0.223456	1.1289
PCDHB5	0.260869	0.312925	0.350017	0.260183	0.833481	0.81652	0.547578	0.235069	0.203278	0.146843	0.147795	0.197911	0.474041	0.188774	0.515844
PCDHB6	0.15543	0.193086	0.243638	0.16893	0.229009	0.409199	0.131371	0.226524	0.123411	0.167235	0.232338	0.0778841	0.0950022	0.144883	0.224431
PCDHB7	0.656812	0.262323	0.417046	0.151578	0.245438	0.627176	0.212967	0.344055	0.0228684	0.226298	0.600151	0.0880585	0.116273	0.278057	1.08919
PCDHB8	0.369043	0.159802	0.223579	0.134301	0.203806	0.341939	0.131849	0.0831242	0.126321	0.111931	0.362736	0.141527	0.231528	0.15213	0.329441
PCDHB9	0.406786	0.587059	0.750852	0.344889	0.525143	0.623491	0.514568	0.382864	0.0761191	0.127899	0.283507	0.221823	0.184175	0.135033	0.584205
PCDHGA1	0.0779794	0.101151	0.069316	0.0365759	0.0688374	0.117022	0.0939111	0.0559864	0.103601	0.207124	0.093341	0.0572447	0.126132	0.134484	0.142829
PCDHGA10	1.36312	1.96195	2.35398	1.16084	1.67085	3.26415	1.69791	1.30553	0.541788	1.76259	2.14691	1.04385	1.05672	1.14457	1.59109
PCDHGA11	1.01098	1.18066	1.41191	1.219	1.45231	0.917423	1.24746	1.03624	0.269191	1.04054	0.777643	0.643847	0.889916	1.22432	1.48309
PCDHGA12	1.2777	1.16303	1.00607	1.32076	1.60398	2.78579	1.9271	1.12988	0.456615	0.940449	1.06666	1.0149	2.30483	1.50856	1.6959
PCDHGA2	0.655934	0.374543	0.455347	0.293239	0.493545	0.537712	0.402912	0.308975	0.291232	0.1171	0.195876	0.264425	0.385403	0.218769	0.349538
PCDHGA3	0.293964	0.226882	0.339242	0.13018	0.434343	0.251694	0.388777	0.276169	0.0358066	0.0671927	0.0811723	0.141743	0.297243	0.283705	0.310792
PCDHGA4	0.584423	0.493033	0.475737	0.308186	0.984249	0.616838	0.529524	0.521488	0.200899	0.375441	0.344704	0.36013	0.368739	0.232364	0.412146
PCDHGA5	0.404254	0.67495	0.779325	0.431286	1.08183	0.530947	0.775181	0.488385	0.233864	0.374861	0.460559	0.412658	0.271696	0.42865	0.670206
PCDHGA6	0.674329	0.915025	1.19519	0.728693	1.39856	0.811918	0.909726	1.04232	0.281092	0.420593	0.641681	0.362552	0.680401	0.558899	0.833499
PCDHGA7	0.571093	0.77421	0.892775	0.503258	1.07233	0.527865	0.845671	0.816402	0.210172	0.362334	0.509165	0.432676	0.278289	0.582316	0.569847
PCDHGA8	0.333102	0.487671	0.574141	0.278611	0.617693	0.208075	0.414123	0.430537	0.0908499	0.186498	0.134465	0.255169	0.139208	0.215853	0.168253
PCDHGA9	1.02586	1.64669	1.87299	1.25362	1.47612	1.476	1.71423	1.5909	0.859702	1.2404	1.57231	0.830195	1.77722	1.77701	1.80358

PCDHGB1	0.472575	0.461038	0.412518	0.348178	0.453575	0.319447	0.356664	0.544222	0.176589	0.145133	0.242073	0.289728	0.292494	0.326223	0.343454
PCDHGB2	0.783745	0.746161	0.718438	0.462161	0.992961	1.11056	0.900903	0.66643	0.310827	0.356369	0.683683	0.477186	0.578785	0.576053	0.836189
PCDHGB3	0.589461	0.863094	0.877212	0.521265	1.10031	0.808082	0.753419	0.967779	0.277715	0.397363	0.570613	0.58707	0.523402	0.460409	1.04034
PCDHGB4	0.588005	1.00198	1.25536	0.477551	0.99063	0.856705	0.930506	0.644138	0.277092	0.59702	0.526859	0.549698	0.979056	0.887951	0.210962
PCDHGB5	1.36584	1.57506	1.88237	1.41581	1.82206	1.40393	2.39107	1.84211	1.61943	1.932	1.84766	1.70646	2.10604	1.54203	1.80251
PCDHGB6	1.24945	1.3515	1.53086	1.46378	1.63355	1.93228	1.41615	0.841972	0.727522	1.23563	1.33242	1.35047	1.22095	1.48486	1.98016
PCDHGB7	2.48488	2.1616	2.84138	2.20372	2.47968	3.97063	3.23204	2.18542	1.07842	1.86696	1.84289	1.28583	1.95863	2.12881	3.40537
PCDHGB8P	0.891471	1.57681	1.59142	0.628575	1.00213	0.299635	1.27232	1.19882	0.0714284	0.559444	0.384006	0.537155	0.0908167	1.23837	1.06127
PCDHGC3	9.13839	8.87632	9.84364	14.6441	14.4759	29.5186	14.3651	8.12966	9.90867	16.3131	15.0556	13.1021	29.1201	13.7125	19.1943
PCDHGC4	0.524419	0.680908	0.566727	0.277837	0.653493	0.530624	0.656376	0.568676	0.071406	0.496266	0.200387	0.675858	0.088398	0.799715	0.767617
PCDHGC5	0.434823	0.544902	0.559752	0.276604	0.900055	0.535216	0.783117	0.553641	0.135566	1.01346	0.277503	0.999211	1.80346	1.09431	1.14765
PCED1A	2.3692	2.30159	2.19102	4.62501	10.3973	5.01875	2.13327	1.70327	1.70076	2.73184	5.56651	2.90118	2.00085	4.78188	7.0539
PCED1B	0.857561	0.655359	0.644948	0.890139	0.773462	1.18573	0.458015	0.511764	0.439118	0.70631	0.784553	0.49362	0.918186	0.781467	0.698662
PCED1B-AS1	0.480991	0.298599	0.459126	0.390821	0.186786	0.157522	0.232345	0.378142	0.0112652	0.255408	0.104419	0.152225	0.113391	0.37708	0.451653
PCF11	9.82487	9.23665	9.69001	7.26145	6.37402	7.43103	4.86274	7.20553	9.25839	6.43041	5.67319	5.8107	5.56642	6.37992	4.68072
PCF11-AS1	0.70137	0.793126	0.959295	0.502426	0.18304	0.253064	0.582722	0.635228	0.0723941	0.167734	0.13509	0.129488	0.0694138	0.40329	0.751373
PCGEM1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCGF1	2.91204	2.78151	3.19093	5.65967	2.57913	5.8509	2.91655	2.72419	5.47535	5.03351	7.90113	3.65551	4.79597	4.59258	3.08152
PCGF2	3.72861	2.76236	2.85734	3.18582	7.1313	9.21206	5.20457	3.41458	2.07882	1.86218	4.91662	2.68094	2.99478	3.14421	5.94663
PCGF3	8.07828	10.4977	10.4853	6.6878	7.0284	7.72801	8.14038	8.15267	7.00055	6.33097	7.02009	7.77066	6.87329	6.9429	8.16312
PCGF5	2.88892	2.24256	2.87362	2.03791	0.725661	3.24082	2.41824	3.17873	1.76967	1.87052	2.74359	0.838741	2.27629	1.40353	2.5272
PCGF6	1.49444	1.11507	1.15045	2.0855	1.80552	2.1385	0.971644	1.31891	1.04906	1.82357	3.47952	0.831686	2.31676	1.45364	1.81831
PCID2	2.5936	2.65431	2.75141	2.716	2.66251	2.53416	2.60891	2.233	1.50832	2.02886	2.74042	2.06942	1.89051	2.54859	2.43587
PCIF1	7.31962	6.8963	8.43342	7.28664	8.61073	11.6468	10.8655	6.3678	6.4063	4.85731	7.01333	3.88659	6.2894	4.42204	5.18817
PCK1	0.267201	0.0249177	0.00713056	0	0.0401666	0.880715	0.157461	0.0689417	0	0	0.0194604	0	0.0111224	0	0
PCK2	2.77689	2.18172	1.88743	2.89761	5.3539	5.27554	2.74038	1.91601	12.2871	3.35393	6.15139	2.67587	4.38002	1.76857	1.4028

PCLAF	1.38925	1.18171	0.90589	5.73274	0.960753	3.9193	1.04173	0.665739	1.37886	5.35109	7.07311	2.29274	4.46058	3.36872	1.53397
PCLO	1.54718	1.15294	0.558837	0.465167	0.201482	0.832311	0.651622	1.38696	0.298246	0.0390713	0.0702837	0.119539	0.0749836	0.122024	0.0700403
PCM1	10.1517	7.9945	9.11517	6.40897	2.87691	8.4953	3.83038	6.97993	4.77579	6.03481	5.49109	4.46276	6.67982	5.41692	5.94033
PCMT1	8.44864	6.53725	7.55882	10.693	3.16912	11.6808	6.58814	6.84103	10.6858	12.5833	20.4879	6.37661	15.2871	9.0929	4.96118
PCMTD1	7.99246	6.56067	6.22321	4.95567	1.37034	4.71115	4.88297	6.45964	6.36468	4.88628	7.03071	3.12872	4.60294	3.56827	5.37067
PCMTD2	6.54895	5.96022	6.0931	5.37708	5.79858	5.22879	4.97814	6.40373	7.93265	3.2002	4.48114	4.14835	2.85506	3.85871	3.28796
PCNA	8.12094	6.03933	6.05434	26.4795	4.49411	20.0204	7.40313	5.74809	6.93889	15.4902	30.2745	7.71705	23.6192	12.4814	9.03511
PCNA-AS1	1.95E-08	3.77E-11	3.43E-10	9.84E-11	0.72379	0.00014795 6	4.83E-06	6.62E-29	3.93E-09	2.36E-11	4.10E-06	1.26E-05	2.36E-12	7.13E-13	1.26E-12
PCNAP1	0.0878294	0.0423176	0.0181647	0.0905108	0	0.224357	0.0250702	0.0195139	0	0.0275587	0.0247871	0.0157111	0	0	0.0630671
PCNP	8.65583	6.99924	7.31171	8.8956	2.36621	10.005	5.21777	9.74438	7.48846	9.58936	10.5775	5.12625	12.2087	7.26891	6.30091
PCNT	3.35565	4.05534	3.79992	3.28063	6.3521	3.84234	3.34579	2.59292	2.13665	1.99644	1.29872	3.28058	2.41752	3.29869	2.9593
PCNX1	5.44955	3.65717	4.1021	4.75182	2.4738	6.46894	3.66935	4.39722	1.53811	4.19101	4.71794	2.40974	4.24872	4.29672	6.42651
PCNX2	2.86002	1.93805	1.93368	1.71683	1.51039	2.87486	4.18039	1.92813	1.17263	2.10289	1.8771	1.73821	1.17909	3.16335	1.77394
PCNX3	4.64905	5.48533	5.69177	8.63031	13.6055	12.9863	7.82739	4.5671	7.85558	5.36611	5.5506	7.42982	9.40798	6.63359	6.91454
PCNX4	3.48582	3.70259	4.33785	3.87288	1.59979	4.0095	2.57795	3.66998	2.12267	4.85358	5.10325	2.93351	4.00288	4.09138	4.4941
PCOLCE	14.8141	12.361	16.4971	19.1236	68.3232	59.1045	20.9099	12.378	5.61973	33.655	113.033	7.05303	12.8764	20.3905	97.1029
PCOLCE-AS1	0.121117	0.181498	0.207036	0.0189147	0.21836	0.170523	0.0881152	0.122123	3.25E-28	0	0.0479672	0.0130976	0	0.077148	0.0920155
PCOLCE2	3.77357	3.499	5.38528	0.892891	0.885447	1.64055	12.418	1.60083	0.263806	0.0572353	0.296005	0.212092	0.360422	0.202586	0.50755
PCOTH	0.448728	1.13647	0.856337	0.557016	0.215268	0.856192	1.73258	0.883823	2.31171	0.484951	0.83127	0.589016	0.852023	0.254058	0.0148919
PCP2	0.387563	0.546863	0.572535	0.31381	1.84906	0.40072	0.221253	0.61506	0.101145	0.0694902	0.0937522	0.336736	0	0.130215	0.198782
PCP4	0.707611	0.381048	0.516517	0.0428949	0	0.0354425	0.237626	0	0	0	0.140966	0	0	0.0435092	0
PCP4L1	1.25142	2.38831	1.94951	7.20177	3.33237	2.4079	1.33604	4.08753	1.4647	0.75473	2.07317	2.69789	0.283117	0.696515	0.0933605
PCSK1	1.1609	0.882612	0.540444	0.859732	0.946212	7.31027	0.267112	0.898338	0.118269	2.06646	3.03461	0.571671	1.25594	3.75585	5.57215
PCSK1N	0.525481	0.33758	0.307923	0.338452	2.82288	2.21856	1.37495	0.25296	0.18666	0.219844	0.76622	0.234997	0.169519	0.251753	0.15722
PCSK2	0.197021	0.821233	1.02721	0.273862	0.220634	0.909027	2.02456	1.08722	0.25669	0.0230029	0.00517237	0.0655691	0.0384306	0.239469	0.0460611

PCSK4	0.0684959	0.0618794	0.09208	0.114704	0.678286	0.328069	0.11731	0.0760918	0.0729928	0.064477	0.0869888	0.245053	0.0441932	0.067123	0.0368883
PCSK5	1.25102	0.257935	0.342362	1.35182	0.613356	2.7593	1.16395	0.455521	0.101728	0.717177	1.19795	0.161642	0.629556	0.636973	1.07961
PCSK6	1.76506	1.6234	1.47227	2.26709	3.36616	2.69469	2.3449	2.31885	14.6603	4.89847	3.84066	5.261	3.43764	2.75794	1.45373
PCSK6-AS1	0.108145	0.104212	0.178931	0.0371489	0.223982	0	0.164635	0.256294	0.263417	0.180978	0.162776	0.283729	0.0232582	0.0565214	0
PCSK7	4.53393	4.47709	4.30275	8.02893	9.69322	8.07934	5.28545	3.20059	7.93029	5.45285	3.0696	7.22527	8.25867	6.56953	5.3706
PCSK9	0.315155	0.66755	0.427971	3.70121	1.24695	1.84301	0.740034	0.295937	0.470726	0.709008	0.798804	0.404201	0.886238	1.92374	0.128095
PCTP	1.24574	0.546863	0.446577	1.26237	0.677272	2.79326	0.726976	0.81188	0.556295	1.40718	2.60944	0.505104	1.43334	1.10322	0.685798
PCYOX1	9.96395	9.74051	10.1193	12.6722	5.25498	12.325	8.75721	9.02343	11.1233	11.1769	12.1226	8.05646	13.1267	7.63481	7.21347
PCYOX1L	1.26219	2.08071	1.76017	1.70951	3.13698	1.85008	1.51318	1.76271	3.76613	2.59125	3.04307	4.10279	3.02475	2.48321	1.11349
PCYT1A	10.1937	13.7664	12.289	16.5015	17.314	14.8994	15.8262	10.5341	37.5809	18.0527	18.7242	18.641	22.1037	13.5414	8.38638
PCYT1B	0.130788	0.0477177	0.0589901	0.142885	0.0246143	0.242868	0.085939	0.0387271	0.0530712	0.124302	0.165465	0.0226764	0.138021	0.101452	0.0739597
PCYT1B-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCYT2	1.31178	1.47287	1.31302	2.68038	3.25644	2.8899	1.55384	0.937294	1.71504	2.51231	1.9622	2.39259	2.47018	1.89937	1.27483
PDAP1	10.4795	9.09466	8.38961	18.0979	14.9138	23.2129	8.90421	6.36768	14.096	15.4544	14.8753	11.041	24.0303	14.5003	9.78808
PDC	0.0873323	0.151481	0.115596	0.0719988	0	0	0.0199426	0.217318	0.0425444	0.0219222	0	0.0499909	0	0.0365149	0
PDCD1	0.175326	0.0791951	0.163172	0.248433	0.425534	0.289245	0.137625	0.116861	0.0266909	0.0412598	0.0742205	0.0862473	0.282799	0.389441	0.519318
PDCD10	6.5385	5.58246	4.95735	9.26302	1.37561	6.9122	3.31986	6.25685	9.4911	12.6709	20.6441	5.92467	13.7226	8.41593	5.87147
PDCD11	4.81546	5.30074	5.37723	8.30052	8.98729	9.98814	6.44126	4.46551	5.69775	4.60422	3.35529	6.95054	9.19273	7.29769	4.53788
PDCD1LG2	1.33996	0.659449	0.657188	1.38087	0.341948	2.66496	0.764962	0.867617	0.0699395	1.14121	3.31702	0.376663	2.82209	0.76035	1.36079
PDCD2	3.24744	3.09553	3.16328	4.9889	2.46771	4.33549	2.71793	2.64555	3.86958	3.41543	5.73654	2.2555	4.59787	3.57786	2.36066
PDCD2L	1.16015	1.22397	1.20797	2.37053	2.1439	1.94164	1.69004	0.799951	1.51038	0.753161	1.87418	1.23087	2.40044	1.65177	1.0916
PDCD4	29.4151	28.5679	24.4982	20.3129	12.5632	34.3339	10.6386	23.8703	23.4226	13.5206	17.4751	15.3781	9.23737	9.3184	8.28908
PDCD4-AS1	0.333076	0.315429	0.24704	0.307737	0.214089	0.606339	0.262273	0.306218	0.461601	0.230645	0.479726	0.197234	0.214899	0.114053	0.230923
PDCD5	10.0006	8.19685	9.09731	29.6935	5.53522	23.0012	5.38104	6.91263	15.6794	19.044	34.6467	14.2291	26.1801	17.1421	11.6657
PDCD6	7.005	6.64982	7.57243	15.3672	6.22688	13.4363	6.04759	6.09854	8.99756	9.38438	18.5274	7.99734	12.1956	9.29685	6.77548
PDCD6IP	11.0108	10.3316	10.4902	17.0053	6.61344	12.9054	9.84789	10.5948	26.5981	20.2895	17.2338	15.6118	29.6802	12.7577	10.1719

PDCD6IPP2	0.143609	0.317272	0.255042	0.137831	0.0231826	0.380521	0.177777	0.102829	0.477879	0.385103	0.329946	0.170406	0.00846474	0.195065	3.56E-37
PDCD7	4.87863	4.1419	4.67391	5.38728	4.95546	6.21385	3.25318	3.52773	2.92632	3.10744	4.11449	2.80541	4.23704	3.47467	2.93776
PDCL	2.58812	2.18676	2.42655	3.15418	2.34223	3.78151	2.13276	2.2001	2.65868	2.85291	4.58998	1.4815	3.56233	2.2466	2.62874
PDCL2	0	0.0647542	0.0222364	0	0	0.0457747	0	0.0238881	0.130944	0	0.09103	0.0576985	0	0	0.0772041
PDCL3	6.30783	7.13643	6.55402	11.3591	6.38724	9.78884	6.88253	4.63011	21.7095	10.4569	18.5188	6.3003	13.265	7.77492	3.58643
PDCL3P4	0.306063	0.328962	0.40901	0.0485241	0.329138	0.100234	0.26881	0.167387	0.0286731	0.118197	0	0.0336917	0	0.0246095	0
PDE10A	0.386505	0.140673	0.149521	0.361054	0.142535	0.537458	0.301607	0.308897	0.0982078	0.652622	0.803577	0.254669	0.642267	0.601654	1.62927
PDE11A	0.0732824	0.0353086	0.0606244	0.00730835	0.0440643	0.0301931	0.035088	0.0924387	0	0.002967	0.0026686	0.00169147	0	0	0.0509239
PDE12	2.23262	1.97828	2.17217	2.48116	1.79364	2.51554	2.26512	2.48908	3.15667	1.96961	2.67982	2.05235	3.98855	2.27435	2.01994
PDE1A	0.794468	0.252817	0.299579	0.125664	0.189418	0.748847	0.286896	0.417067	0.0585044	0.565819	0.9344	0.0925406	0.19073	0.301279	1.20464
PDE1B	1.04	0.232858	0.258108	0.611528	0.456135	2.99523	0.649598	0.418638	0.156463	0.575871	1.34668	0.332678	0.694685	0.3613	1.33543
PDE1C	0.0950611	0.034976	0.0214476	0.0178115	0.104706	0.178075	0.157873	0.0768022	0.0105249	0.0585711	0.163895	0.0296809	0.0412603	0.121949	0.305308
PDE2A	4.45022	1.8165	2.12819	1.64042	3.98838	5.61474	3.9501	1.55921	0.570195	1.91749	1.92493	1.24126	2.03501	2.6607	3.5388
PDE3A	1.88246	0.672557	0.540906	0.839907	1.28491	4.67409	1.09724	0.772975	1.1815	2.20238	4.32562	0.611462	0.926125	1.95502	5.00951
PDE3B	0.889273	0.268012	0.302745	0.599634	0.687832	1.36484	0.284129	0.578912	0.0534832	0.473091	0.706432	0.219955	0.646951	1.53777	1.51886
PDE4A	1.21453	0.847365	1.37337	1.56451	1.56806	4.33137	2.25565	1.05484	0.249728	1.16306	2.4661	0.40912	1.61301	1.38906	3.8452
PDE4B	3.08865	0.750766	1.15129	2.6436	0.788332	6.88033	1.52106	1.6526	0.463564	3.41872	5.25017	0.519168	5.0369	2.82861	6.34327
PDE4C	0.0193731	0.048538	0.064107	0.0119787	0.17454	0.0758811	0.0752064	0.024104	0.00943768	0.0145891	0.00874791	0.00277239	0	0.0445509	0.116853
PDE4D	1.35478	0.650018	0.721688	0.994095	0.39958	2.0094	0.836437	0.916932	0.236668	1.07913	1.57835	0.576191	0.861415	1.10478	2.03386
PDE4DIP	2.44511	2.02307	2.61868	2.18961	2.04345	2.78693	2.18999	1.486	0.215271	1.61256	2.25806	0.505606	1.42211	1.73894	4.12217
PDE4DIPP1	0.0216594	0.00521791	0.0134386	0	0.00841113	0	0.0185475	0.0192491	0	0	0.00611269	0	0	0.00849011	0.10887
PDE5A	3.43765	1.56205	1.75087	0.826161	1.32001	3.87461	2.28103	1.90942	0.761563	2.10899	3.01187	0.614929	0.943454	1.43631	6.86645
PDE6A	0.235722	0.211926	0.185602	0.0722039	0.20636	0.0807135	0.116692	0.171568	0.0373028	0.0208009	0.0277834	0.0794724	0.0158792	0.118272	0.0414114
PDE6B	0.16969	0.248422	0.210569	0.0807092	0.111517	0.0389007	0.156487	0.179807	0.0397429	0.0245744	0.0294705	0.0420291	0.0294762	0.0886872	0.121848
PDE6C	0.0623592	0.0150228	0.025794	0	0	0	0.0533998	0.0969844	0	0	0	0	0	0.0122219	0
PDE6D	2.53623	2.24032	2.05929	3.67847	2.42579	4.17916	2.06458	1.9305	2.40243	3.12427	6.68054	1.84834	3.03788	2.30129	2.61371

PDE6G	0.0904909	0.0980998	0.0561453	0.0466268	0.281127	0.404522	0.154979	0.0402104	0	0.198757	0.306459	0.161872	0.145961	0.118236	0
PDE6H	0	0	0	0	0.0481247	0	0	0	0	0	0	0	0	0	0
PDE7A	1.61636	1.37673	1.4028	2.24766	0.982245	1.70455	0.957503	1.29853	0.41183	1.69766	1.66434	0.769421	1.38758	1.5411	1.88075
PDE7B	0.588565	0.304279	0.326971	0.513561	0.367032	1.24008	0.465988	0.435253	0.136036	1.623	3.36573	0.227474	0.471209	0.633182	2.93679
PDE8A	5.43809	3.51081	3.66168	5.87211	3.00308	5.03485	3.41433	3.29563	3.69016	5.57669	6.34957	3.69293	5.93042	5.75231	7.10356
PDE8B	0.529556	0.176995	0.21707	0.142576	0.22232	0.698708	0.544712	0.296791	0.174308	0.227537	0.25851	0.23554	0.193919	0.234381	1.05512
PDE9A	1.98518	0.724919	0.942152	0.570667	1.62299	1.45015	0.81121	1.14213	0.152699	0.144251	0.283077	0.104665	0.249425	0.191126	0.555189
PDF	1.88768	2.0466	2.33788	3.11445	3.70737	3.67917	1.97847	1.0237	3.12305	1.94187	3.13621	1.61081	3.43399	2.68387	0.960674
PDGFA	3.20722	2.64962	2.49635	3.93387	5.3149	7.96108	2.53226	1.87578	1.59655	3.94261	8.66514	2.08247	5.26093	5.86025	8.07521
PDGFB	3.10896	2.10811	2.91453	3.48839	6.29299	4.25193	2.90554	1.67485	1.25724	3.85685	7.22249	0.953372	3.96526	4.15315	6.88689
PDGFC	3.54423	3.0956	4.26705	2.01272	1.60477	3.68565	2.49689	3.59881	1.06534	4.96893	7.13374	1.36511	3.78525	3.93728	2.85904
PDGFD	4.58457	1.70624	2.16724	1.15873	1.31444	6.08011	3.40142	3.42535	0.57176	0.47284	0.870199	0.219798	0.317856	0.318065	5.5935
PDGFRA	7.33461	4.07732	5.3365	14.3858	4.22214	25.4114	8.42742	5.08443	0.704552	6.62595	10.4422	1.8263	12.6158	12.1322	22.6702
PDGFRB	21.6783	10.0636	14.1814	11.0492	35.382	68.7865	29.9679	17.1843	3.18319	16.856	33.2676	4.43269	16.9692	22.5684	68.4137
PDGFRL	3.14648	3.26033	4.57282	0.588415	1.32097	4.82047	1.48418	2.15933	0.0887736	3.47648	7.8034	0.173853	0.870041	1.75243	5.89705
PDHA1	4.40546	3.66812	3.92272	6.81196	4.08886	7.8473	3.02014	2.66158	2.87641	4.59551	4.83233	3.00679	6.66144	5.64096	3.58135
PDHA2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDHB	8.91227	6.8635	7.61068	14.3838	6.98886	14.5042	7.04093	6.36193	14.3554	13.2064	24.1946	7.3232	13.3459	9.7592	8.31942
PDHX	3.4086	2.58076	2.81005	3.6996	1.61218	4.84182	2.20712	2.99771	3.61282	3.11078	3.72284	2.19815	3.20822	2.76076	3.19298
PDIA2	0.0270205	0.0390567	0.0335299	0	0.125916	0.0230076	0.0617022	0.0120068	0	0.0169567	0.0152514	0.0193339	0	0.0564884	0.116415
PDIA3	28.8484	23.5529	25.9026	57.0516	22.3072	63.1056	22.951	25.6284	32.4366	40.1196	59.1944	26.1395	65.8699	33.8627	35.0786
PDIA3P1	0.750966	0.766032	0.484892	0.447557	0.769588	0.638265	0.294498	0.69126	0.448307	0.357286	0.290804	0.277587	0.524033	0.380386	0.597214
PDIA4	9.18823	7.55088	7.96435	27.768	13.4079	32.2158	9.90899	7.25998	9.09922	17.0424	23.4706	8.62753	30.9612	13.3535	17.091
PDIA5	5.07107	2.43135	2.93044	5.28997	5.1356	9.10155	2.82405	2.10979	1.89216	4.41474	9.40076	1.63638	3.81713	4.19641	7.40767
PDIA6	12.7417	8.79418	8.71781	30.7989	12.7353	29.4119	9.44967	9.40042	13.5293	19.2913	23.0117	9.75139	27.7965	16.2566	13.6113
PDIK1L	1.78604	1.46898	1.67315	1.25988	0.718983	1.5722	1.36716	2.02546	1.80143	1.18713	1.61865	0.946769	1.54836	0.812505	0.751431

PDILT	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00568668	0
PDK1	4.19555	4.99052	6.19234	3.44335	1.1047	4.85799	5.43449	5.17634	5.08067	4.86692	5.76332	3.4256	3.38881	3.87474	1.68321
PDK2	2.85876	3.21829	3.14955	2.57339	4.50423	5.87343	3.80157	2.54063	3.67278	2.57757	3.91268	2.16756	2.07337	1.55831	2.06747
PDK3	7.70787	4.88436	5.76293	2.34938	3.04046	6.15811	8.12669	6.3131	4.77843	3.09353	4.51667	3.43266	2.77129	2.50365	3.86104
PDK4	10.3268	0.678082	0.972802	0.895971	0.971599	21.0481	1.8711	4.78614	0.0457064	0.651593	1.37689	0.107413	0.92012	0.349791	2.41637
PDLIM1	25.3402	28.0249	34.1591	67.9109	23.6627	69.6819	33.6989	20.8149	36.4094	59.6565	66.5211	50.0348	89.1276	56.3899	39.9257
PDLIM2	3.31348	4.31754	4.95628	3.71581	9.93817	5.56541	6.65558	2.93423	12.4335	4.49583	7.37846	3.3034	5.74339	2.04139	2.73377
PDLIM3	2.90811	0.487842	0.705363	0.957121	1.09976	4.18104	3.65068	0.527722	0.129802	3.21044	9.61666	0.593744	4.11608	4.05043	4.58092
PDLIM4	7.48244	5.14044	4.38804	4.29189	4.91854	7.22987	7.84085	3.60269	2.7633	8.63175	10.177	6.14756	13.3571	6.55119	4.63426
PDLIM5	6.94553	6.8897	8.30675	10.6361	4.45646	10.6815	7.43494	5.75804	25.1734	23.0158	20.5584	15.9086	34.7001	18.5533	14.0478
PDLIM7	6.70813	4.41227	4.30502	13.6477	14.6196	23.2025	9.17932	3.70344	10.9054	29.3659	35.0863	18.6758	29.0179	27.5222	27.8358
PDP1	2.8383	1.84843	2.09432	7.66048	1.29198	5.29385	2.49283	2.31456	3.39974	5.063	5.79197	2.09783	7.80114	3.96395	2.93393
PDP2	0.712046	0.799662	0.656522	0.974478	0.692339	1.16185	0.727035	0.652317	0.882471	0.606292	0.856925	0.561291	0.96334	0.914104	0.396422
PDPK1	5.47803	6.19109	6.38816	7.07536	7.7483	9.3395	6.71584	5.00605	7.12117	5.84371	5.34012	5.37614	8.6523	5.65077	4.55429
PDPN	1.9493	1.08139	1.12432	19.4238	2.99174	10.8911	1.41874	2.43636	0.813411	8.14873	17.3236	2.18385	19.7069	7.99606	13.3726
PDPR	4.68288	3.39829	3.39546	2.82385	5.41399	6.19034	4.1448	4.11674	1.26314	1.97872	3.17723	1.97405	4.90079	4.12361	4.79437
PDRG1	2.73064	1.62428	1.57571	4.70738	3.71797	5.46831	1.61662	1.60287	2.13496	3.6388	5.82261	1.59202	3.90423	3.06574	2.17864
PDS5A	8.13086	9.70874	9.32582	13.2974	3.86285	11.4411	5.79702	7.47519	10.4592	10.098	9.92176	8.64174	14.2242	10.2366	7.53657
PDS5B	3.65758	2.71257	3.15603	2.5669	0.786298	3.00925	1.90656	3.44531	1.17659	3.01781	4.00351	1.40683	2.74221	2.61173	3.41761
PDSS1	1.2877	0.562081	0.689972	2.13871	0.406205	1.52161	0.640901	0.653303	0.551623	1.13544	1.93049	0.742593	1.98321	1.63432	0.591302
PDSS2	1.75267	1.40011	1.53078	2.26947	1.44728	2.4688	1.4804	1.36075	1.22201	1.39837	2.08152	1.19348	2.19016	1.60389	1.31935
PDX1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDXDC1	6.0957	7.28446	7.9539	7.17592	5.31671	12.65	6.04349	5.091	5.3536	6.13317	4.53931	5.21421	6.67905	7.82469	9.97297
PDXDC2P-NPIPB14P	5.873	8.26285	10.1603	2.92827	4.87014	4.47951	7.02779	5.46448	1.35505	2.0134	1.13388	3.91742	0.896071	3.95483	5.74502
PDXK	7.03483	5.79788	6.53772	13.3298	10.1624	17.5993	6.49255	5.51008	5.75992	9.22823	8.56247	8.07412	15.4353	8.06425	8.61852
PDXP	1.01575	0.789724	0.601581	1.77236	1.03993	2.94853	0.909354	0.594974	0.688826	1.31834	3.14029	0.801132	1.89161	1.41769	1.01118

PDYN	0	0	0.0190756	0	0	0	0	0.0136617	0.0374436	0.00964693	0	0	0.0198363	0.00803425	0
PDYN-AS1	0	0.00606674	0	0.0259517	0	0.0536072	0	0	0	0.110625	0	0	0	0.039485	0.0361658
PDZD11	4.34629	3.84815	3.64165	9.01537	2.85631	8.66685	4.53831	3.54899	6.89937	10.7702	18.3676	7.13679	10.0784	6.43609	3.94782
PDZD2	5.70816	9.54357	8.10149	3.69409	6.52644	4.63146	9.49954	5.40153	12.6974	1.21846	1.60035	2.16737	1.00651	0.932098	1.63839
PDZD3	0.0881453	0.0896584	0.0567156	0.0302788	0.0304267	0.0083394	0.055912	0.00870403	0.0119279	0.0491695	0.0110561	0.0420469	0	0.0153562	0.042196
PDZD4	0.629517	0.838098	0.945629	0.460944	1.80132	0.714701	1.24838	0.456404	0.121055	0.200993	0.218181	0.181755	0.338468	0.383849	0.705807
PDZD7	0.0426463	0.319537	0.44032	0.0220153	0.243179	0.105356	0.666804	0.162204	0.206001	0.125667	0.236654	0.0676015	0.0343542	0.0332335	0.0760425
PDZD8	6.91368	5.20728	5.22645	7.15538	4.24922	6.05649	4.4658	5.41757	12.5654	9.80742	9.12212	8.12643	19.4232	8.50521	5.92878
PDZD9	0.432742	0.283563	0.300716	0.124867	0	0.117912	0.335982	0.430736	0.126488	0.0217254	0.156324	0.0743133	0.0223362	0.153796	0.149153
PDZK1	0.849857	0.671175	0.626219	0.131328	0.0722151	0.355497	0.638073	1.01118	0.122529	0.162186	0.117552	0.195238	0.0779049	0.295902	0.368535
PDZK1IP1	23.4278	15.9278	14.4555	128.132	59.5533	34.8933	15.9608	19.0262	74.4366	36.9422	53.3325	49.308	71.285	20.6058	6.20858
PDZK1P1	0.242081	0.169067	0.349687	0.0970956	0.146732	0.0578868	0.189031	0.255641	9.40E-06	0.0692933	0.0346736	0.0501016	1.99E-08	0.0503751	0.0741289
PDZRN3	2.20273	1.08981	1.35272	1.39417	1.52532	2.90842	1.5512	1.1895	0.210301	1.45002	2.6961	0.150776	1.46449	1.05143	3.4919
PDZRN3-AS1	0.17642	0.0618194	0.0663394	0.0578472	0.13702	0.266297	0.146495	0.0783936	0	0.0503238	0.0814728	0.040165	0.077608	0.0209556	0.057582
PDZRN4	0.418316	0.0898809	0.0327355	0.023302	0.175619	0.178095	0.174267	0.216025	0.179	0.0851399	0.191443	0.0404481	0	0.0147723	0.584518
PEA15	16.9102	18.3168	20.241	31.4835	17.7553	40.7959	24.2407	13.5793	28.871	54.6145	58.259	21.9848	82.0098	29.9014	29.6339
PEAK1	7.67714	5.34746	6.04162	3.74182	4.2073	7.14566	6.98334	5.1084	3.92362	4.75389	4.64058	3.78218	6.06394	5.87122	11.9057
PEAK3	0.832252	1.0706	1.37583	0.540496	1.24678	0.491498	2.24572	1.20439	0.118	0.37878	0.517105	0.678035	0.236552	0.411838	0.751879
PEAR1	2.40146	1.06922	1.29501	0.93492	3.55762	3.14297	2.32047	1.1422	0.35205	1.33401	1.80228	0.709601	1.69288	1.93148	4.13219
PEBP1	46.4795	34.7502	37.2738	45.8197	28.1369	76.7769	45.0233	30.7716	36.9526	29.9833	52.376	26.2974	36.6207	28.365	22.9976
PEBP4	0.273074	0.07675	0.0376511	0	0.106045	0.639428	0.103929	0.121343	0	0	0.154133	0	0	0.0118934	0.196085
PECAM1	13.8973	3.73108	4.33817	11.7186	6.72482	18.9448	6.10606	5.30703	1.42416	12.9938	23.2097	3.41379	15.2101	13.6194	25.7576
PECR	0.839769	0.60692	0.592552	0.827227	0.479578	0.872785	1.09982	0.581688	0.180484	0.759498	1.22682	0.335784	0.422297	0.55508	0.461123
PEF1	7.74569	9.31999	9.48211	14.2537	12.1289	17.6169	10.0118	7.05995	11.5819	10.7567	19.7507	8.14159	10.5944	9.02941	7.27091
PEG10	0.722784	0.275907	0.346631	0.0539746	0.433906	0.404347	0.446512	0.350655	0.0765452	0.48207	1.1155	0.0499682	0.128411	0.113145	1.20349
PEG13	0.570167	0.668013	0.729581	0.317036	1.2616	0.310853	0.599481	0.484845	0.0899223	0.447905	0.120395	0.692668	0.0608704	0.47379	0.488943

PEG3	0.953814	0.318171	0.439181	0.22978	1.48694	0.955661	0.484915	0.585083	0.109247	0.247687	0.115222	0.151871	0.203937	0.255811	0.515293
PEG3-AS1	1.49E-08	2.64E-19	4.15E-32	9.22E-20	4.73E-32	5.45E-13	6.89E-15	7.86E-12	4.50E-24	1.15E-13	5.62E-27	6.49E-34	0.143963	6.74E-20	1.70E-26
PEL1	7.47065	9.42494	11.156	7.79369	4.28489	6.99414	7.18295	7.21805	25.9335	11.3658	15.2925	13.6757	13.2511	7.64201	6.56433
PEL2	2.18591	1.15305	1.60331	0.527572	0.561705	2.25221	1.65614	1.26742	0.296899	1.0505	1.96309	0.191876	0.768085	0.758097	1.87305
PEL3	1.59701	1.95048	2.44583	1.90573	2.62317	3.4305	2.64726	1.12467	0.679291	1.34525	1.10993	0.722994	2.14342	1.39247	1.27409
PELO	2.5658	2.28023	2.33868	3.02315	3.67065	4.9303	2.84979	1.64452	3.51235	4.52871	6.86509	2.50575	3.90605	3.4288	3.64316
PELP1	4.50418	4.95789	5.18912	7.60696	10.3272	13.3783	7.02103	4.0686	3.89469	2.57524	2.82402	4.22799	6.85772	4.46013	4.91997
PEMT	4.13792	3.48459	3.89273	5.07559	3.98171	8.57462	6.04156	3.51472	3.21102	2.96444	6.59342	2.06994	3.40218	3.70332	2.07727
PENK	0.188993	0.0745034	0.028427	0.0708228	0.16013	0.378284	0.305456	0.0152692	0.0209247	0.0215641	0.0581862	0.0368808	0	0.0448982	0.0246743
PEPD	7.38045	5.86376	5.7913	9.65847	9.51486	16.4508	9.22873	4.64563	12.0315	7.50014	16.7152	6.3107	6.99047	6.92036	8.5323
PER1	24.5388	20.9658	27.5779	4.3455	3.79417	27.565	44.588	21.5809	22.8885	7.35888	5.55911	15.5151	8.05092	4.54643	8.42025
PER2	6.80206	8.21799	11.535	1.59825	1.37176	5.42521	9.09965	6.68384	6.23533	4.35108	1.75901	10.4156	5.64121	3.61227	5.39265
PER3	3.70738	10.1988	14.6843	1.1204	0.951364	6.69933	11.954	2.64744	9.59087	5.27174	4.72518	7.79484	6.08169	1.22357	8.29608
PER4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.085882
PERM1	0.495827	2.10166	1.89571	1.85052	3.94462	1.95691	2.86885	1.29218	2.56233	1.37077	0.521908	2.83343	1.72057	1.52333	0.577354
PERP	161.297	232.474	226.614	293.269	158.688	211.695	234.137	230.571	679.934	615.204	474.828	489.863	891.165	265.045	98.1484
PES1	6.67448	6.18316	6.43523	13.2	13.0349	19.0884	6.74635	4.91445	8.06002	7.02145	6.80667	6.31581	15.733	9.86692	6.51762
PET100	19.7444	15.6213	14.058	32.5778	26.3962	44.0515	16.5689	10.7872	34.5585	30.401	61.9343	20.9599	15.8715	16.6349	10.0716
PET117	2.37212	2.00831	2.23305	2.01383	2.36116	3.09534	1.98567	1.23166	2.36199	1.72229	3.04136	1.2837	3.21565	1.28333	1.47518
PEX1	3.53669	3.66811	4.0311	2.52156	1.55451	2.64562	3.06294	3.51096	2.87152	2.22932	2.76812	2.26067	1.78829	1.91689	1.89621
PEX10	2.91388	3.15839	2.7951	3.95636	5.30413	6.86582	3.29444	1.82371	3.22218	3.56373	4.49335	2.27096	3.41576	3.08139	2.07408
PEX11A	0.852462	0.691326	0.62841	0.965464	0.45887	1.02051	0.404744	0.570072	0.606474	0.677973	1.26722	0.416704	0.893074	0.807254	0.496969
PEX11B	3.65822	3.65504	3.58382	5.4366	4.53104	6.18065	3.30849	3.61046	3.52907	4.86935	6.81397	3.18928	4.51554	2.99372	2.58535
PEX11G	1.07689	1.17479	1.15983	1.36104	1.60966	3.40833	1.34556	0.686189	1.53425	0.535544	1.99555	0.857778	0.707916	0.318584	0.496065
PEX12	0.90571	1.05148	1.14888	1.35115	0.696741	1.9684	0.81744	1.0119	0.735369	0.876929	1.2464	0.536964	0.884887	0.680742	0.780429
PEX13	2.42515	2.72726	2.36804	4.08335	2.04955	3.19056	2.01767	2.62307	5.52467	4.4903	6.35593	2.77897	4.20509	2.96836	2.48615

PEX14	3.16024	3.35794	3.4295	5.18846	6.3275	7.14164	3.64942	2.76584	4.90249	3.69496	3.9202	3.65409	5.45793	3.49804	2.27788
PEX16	3.23857	2.55975	3.13072	3.23744	6.23646	6.09356	2.9637	1.99424	3.02833	3.16653	4.46381	2.41276	2.95035	2.89076	2.12517
PEX19	6.27622	5.22124	4.86859	6.71484	4.81087	9.41521	6.55377	4.89947	8.36583	5.59724	8.53045	4.36437	6.72718	3.7912	3.82276
PEX2	3.18019	2.34258	2.53391	2.71007	1.1479	2.42148	1.95517	2.69946	2.27174	2.65458	4.25741	1.58629	2.15708	1.94446	1.66877
PEX26	3.38081	3.82187	4.21723	6.15478	6.97128	7.54097	5.20634	3.30163	2.23221	3.74234	3.81086	2.85889	6.63652	5.24868	4.07493
PEX3	3.27275	3.64851	3.46029	3.03712	1.6989	3.4123	2.57377	3.17566	7.58531	2.42058	2.9217	3.30353	2.32164	2.0552	1.54671
PEX5	3.14934	3.53648	3.7086	5.74569	4.80437	8.09729	3.47869	2.00571	2.96724	2.70384	2.33926	2.5287	4.6728	2.74777	2.54134
PEX5L	0.0851177	0.0280602	0.053738	0.0138499	0	0.00953639	0.0230174	0.0637015	0.01364	0.00281135	0.0227575	0.00801368	0	0.0351207	0.0707704
PEX5L-AS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEX6	0.920724	2.2276	1.5125	5.23211	9.9398	3.70714	2.37283	0.853331	0.977166	1.66737	0.779537	1.02585	0.844395	2.162	1.9173
PEX7	2.43611	2.13684	2.09283	2.86453	2.7168	2.96521	2.21091	1.9152	5.3062	2.01878	3.6315	1.87719	1.86395	1.61601	0.964347
PF4	0	0	0	0.0224784	3.51E-05	0.018573	0	0.0387703	0	0.109508	0.879608	0	0.0261953	0.0570008	0
PF4V1	0	0	0	0.0320559	0.0482687	0	0.0355161	0	0	0.0390415	0.0799856	0	0.0429219	0.0162575	0
PFAS	1.71908	2.01478	2.25409	3.04708	4.21243	5.04269	2.70864	1.55833	0.560049	1.04105	1.12071	1.3838	1.97981	2.32028	2.48115
PFDN1	10.1382	6.45964	7.51941	13.8342	8.55286	17.8307	7.82342	6.77302	9.34554	12.0663	24.3497	6.24107	14.9431	9.35488	8.71073
PFDN2	8.7237	6.99957	6.41168	18.2773	7.72739	21.7932	5.1037	4.38904	16.1563	17.1929	27.4685	11.4523	23.421	14.168	7.71373
PFDN4	1.78817	1.24265	1.13792	3.29571	0.160249	0.980908	0.628208	1.61974	1.7171	3.56073	4.11488	1.10725	2.04119	1.92307	2.0248
PFDN5	79.0304	54.5353	53.2278	77.7621	51.9092	87.9758	46.8475	44.8778	74.8745	100.205	232.578	47.2441	50.9236	50.6894	36.7195
PFDN6	0.890361	0.906659	0.799255	2.7266	1.04954	2.25288	0.894017	0.768831	1.50734	1.70398	2.82998	1.18379	1.65003	1.53794	0.652938
PFKFB1	0.24555	0.141971	0.192979	0.126523	0.190712	0.0731788	0.420541	0.163668	0.0149526	0.123276	0.055439	0.0702789	0.0554496	0.102668	0.017632
PFKFB2	3.67028	3.12702	2.36204	5.14919	2.85061	7.81092	4.82352	2.27205	15.7836	13.5209	6.64642	10.0011	14.4275	5.7416	2.44647
PFKFB3	5.68228	4.78553	6.10573	19.1171	7.3237	23.0687	8.32081	6.72068	23.8687	16.4589	25.453	16.4932	20.2117	21.1797	11.9585
PFKFB4	0.793673	0.917214	0.694645	1.58247	1.36686	3.49164	0.584427	0.95069	1.82114	5.20447	4.99269	2.68309	3.06503	5.01976	3.52682
PFKL	12.5752	14.0034	14.8641	27.4504	31.0385	38.9885	16.7746	9.64481	20.5773	17.2139	13.9891	14.5211	22.893	17.7668	15.4884
PFKM	2.98822	2.17875	1.96698	3.47582	4.77788	4.97372	3.33597	1.5934	1.35232	2.41477	2.7198	1.84781	4.14184	3.29023	3.58109
PFKP	8.28022	5.78711	6.65799	10.7984	6.94323	19.3991	8.40828	5.62217	17.0675	16.3858	12.794	14.126	27.701	14.9327	9.09397

PFN1	72.6844	63.179	58.3063	240.208	95.8644	227.781	91.6999	57.0017	135.456	194.135	350.466	153.196	274.077	166.192	96.2028
PFN1P2	5.28463	4.81147	4.36177	2.11579	2.77403	2.95849	3.56481	4.68575	0.636211	1.49428	1.82399	2.85118	0.446778	4.1144	5.79237
PFN2	5.47259	2.48851	2.73638	2.61598	2.42392	10.6672	2.53449	4.51198	3.42617	11.0339	21.0273	5.81078	7.68568	9.3158	7.02287
PFN3	0.0436661	0.168312	0	0.0449992	0.203486	0.0743623	0.0997132	0	0	0	0	0	0.0563463	0.0228218	0
PFN4	0.497214	0.312161	0.386401	0.279487	0.351066	0.205271	0.49889	0.254417	0.0734001	0.359304	0.561293	0.23718	0.213867	0.299239	0.476041
PGA3	1.89E-26	0.00356683	0.00806797	0.00803811	0	0.231202	0.0875178	0.111209	0	0.0198458	0.0222588	0.00565699	0.0406116	0.0556276	0.0143212
PGA4	3.23E-11	0.112465	0.230917	0.33053	0	0.257658	0.0975323	4.72E-05	0	0.0221168	0.0248059	0.00630432	0.0452588	0.211234	0.01596
PGA5	0.050311	0.0291519	0.0240763	0.213712	0	0.0379246	0.13987	0.0223966	0	1.46E-17	0.0474426	0	0.0869767	0.126858	0.0177905
PGAM1	38.945	31.6669	30.7725	125.968	46.4992	110.933	39.9935	29.0607	114.637	165.163	214.374	89.0621	218.491	105.597	53.6667
PGAM1P5	0.356379	0.218539	0.250152	0.0222581	0.117426	0.0275866	0.493215	0.230342	0	0.040663	0.0243823	0.131363	0.0069677	0.355586	0.0930556
PGAM2	3.21356	5.21753	4.53506	2.53245	8.30564	4.06997	4.50164	2.56795	3.55198	3.42326	0.579215	5.39101	2.07337	4.31884	2.90867
PGAM4	2.03245	0.393009	0.313513	0.261318	0.426268	0.161109	0.602584	2.31221	4.78266	0.219306	0.19469	0.203722	0.0815169	0.163677	0.134007
PGAM5	4.59447	4.93453	5.33064	11.976	8.72766	10.8704	5.56253	3.77978	7.6311	6.61457	11.168	5.91337	15.0921	9.37088	3.14591
PGAP1	3.00913	3.5887	3.81444	2.21501	0.677377	1.94631	2.55086	4.23548	0.913679	1.69903	1.79878	1.68286	0.792062	1.44416	1.45731
PGAP2	4.34762	7.27333	6.7865	8.28502	7.58994	6.10122	6.3275	4.5436	8.8597	3.34064	5.87715	6.31104	4.33601	3.83876	2.14103
PGAP3	5.67433	4.86503	4.93531	3.73644	9.98586	9.69962	5.6665	4.31919	4.65583	2.87242	3.82208	3.07271	2.47204	2.45494	2.86817
PGBD1	0.627483	0.554866	0.59849	0.334731	0.665088	0.477722	0.446721	0.426442	0.161831	0.574453	1.13336	0.311646	0.681098	0.679049	1.08137
PGBD2	0.803044	1.17311	1.14492	1.69914	1.473	1.03295	0.702298	0.797194	1.45662	1.39391	1.16692	1.59543	0.876394	0.892991	0.368066
PGBD3	2.14E-06	3.89E-05	0.00059157	2.12E-05	9.90E-14	6.92E-09	1.08E-07	0.104787	2.85E-06	1.27E-05	0.00059721	2.98E-05	7.75E-06	3.07E-07	0.00013614
			1								7				5
PGBD4	0.439299	0.654224	0.751616	0.535021	0.604839	0.450569	0.501577	0.470269	0.437741	1.21551	0.574809	0.442919	0.669933	0.448757	0.630888
PGBD5	0.910818	1.0007	0.13129	1.92702	3.45129	1.72148	0.173324	0.3802	10.2944	1.95725	1.92398	2.55749	1.50475	1.30548	0.416198
PGC	0.0255301	0.0061504	0.0528008	0	0	0	0.0145747	0	0	0	0	0	0.0164719	0	0
PGCP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGD	9.59363	8.53943	8.58359	25.4146	11.4839	33.263	9.59366	8.08969	13.5336	21.605	32.295	20.0665	16.0879	16.4058	13.8692
PGF	2.03456	1.7505	1.78331	12.5801	8.22072	20.1081	1.7699	1.70051	6.0619	25.4597	24.6356	11.4903	36.0767	17.1468	8.36564

PGGHG	1.50841	1.09187	1.40604	1.97044	7.27123	4.22099	1.73033	1.21467	0.293241	1.11992	1.40701	1.10464	1.06917	3.25707	6.92593
PGGT1B	3.31827	2.65784	3.06104	4.84513	1.88512	4.74043	2.44182	3.69568	3.60718	4.9956	6.42842	3.50378	5.89167	3.60161	3.41261
PGK1	37.1932	27.0736	29.5599	99.1092	38.412	109.778	34.3305	31.6111	69.5393	107.76	157.487	62.2945	146.575	81.0248	39.6148
PGK2	0.0273882	0.00659803	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLS	12.773	12.1868	11.9817	32.586	33.852	37.2045	15.3402	10.3996	28.4022	25.5045	50.71	18.968	31.6039	17.2723	10.7987
PGLYRP1	0.170169	0.468516	0.261442	0.200417	0.679711	0.186296	0.138781	0.28086	0.0592135	0.21358	0.768401	0.15655	0.0627386	0.241403	0.244385
PGLYRP2	0.00838213	0.0282705	0.0277371	0.0863802	0	0.0856472	0	0.0819427	0.255212	0.0210409	0.0567743	0.0719716	0.0108162	0.0175235	0
PGLYRP3	7.77354	10.9701	11.6212	11.325	12.5041	9.7438	14.9128	7.36436	36.2352	11.4652	17.6621	14.3431	13.9134	5.49611	1.81341
PGLYRP4	1.29418	2.48899	2.04231	12.6645	8.73389	5.78771	1.726	2.06836	12.8743	8.91336	16.2057	10.6532	7.63429	6.42293	0.905878
PGM1	6.73653	4.4363	4.68786	8.64933	5.24282	10.6727	5.36674	3.80927	3.85001	4.69531	6.70873	2.84961	5.87831	4.82309	4.69847
PGM2	8.51247	9.9626	8.7036	25.7352	9.8033	17.3629	7.09155	8.63865	33.4606	27.4143	34.6782	22.2157	29.1488	15.0541	6.82587
PGM2L1	0.655172	0.4925	0.607225	0.5435	0.346274	1.26852	0.397307	0.548438	0.105949	0.982675	1.7278	0.414327	1.10151	1.74621	3.68555
PGM3	2.30697	2.33318	2.21474	2.97987	0.755285	2.6424	1.62457	2.22923	1.88324	3.73428	4.42719	1.57927	4.23246	2.76563	3.44278
PGM5	5.61949	1.4249	1.91132	1.26668	3.4744	4.9328	3.52171	1.45207	0.227984	1.00552	1.74372	0.388877	2.41389	1.6045	4.81288
PGM5-AS1	0.303317	0.198549	0.174809	0.0625153	0.141347	0.129457	0.320728	0.146871	0	0.0380693	0.0342407	0.0217031	3.03E-14	0.158526	0.304921
PGM5P2	2.15068	2.00055	1.70804	1.0017	0.761006	0.709641	1.9751	2.65122	0.276296	0.993195	0.547141	1.01155	0.344803	1.48213	1.49375
PGM5P3-AS1	0.0537522	0.00707559	8.13E-25	0.0186325	0.0280853	0.0756242	9.32E-05	6.26E-05	0	0.0222555	0	0	0.0116737	0	0
PGM5P4	0.268066	0.172211	0.271044	0.0306944	0.0925332	0.177532	0.272062	0.0529411	0	0.149534	0	0	0.0576517	0.015567	0.0427752
PGM5P4-AS1	0.00045025	0.0930036	0.110571	4.31E-17	3.97E-12	0.0294013	0.0519435	0.0820283	0	0.000402539	0	0.0238094	0.0966035	1.49E-33	1.14E-16
PGP	1.97779	1.56806	1.59343	1.95451	3.51926	2.31244	1.82002	1.21989	2.37277	1.6024	3.67392	1.34651	2.61401	1.83208	1.54736
PGPEP1	1.08403	0.768	1.00557	0.594918	1.48958	2.2284	1.28165	0.820879	0.109368	0.591726	1.07167	0.146869	0.647679	0.564885	1.38638
PGPEP1L	0.117477	0.0424518	0.0364446	0	0.0456208	0.0625191	0.0167665	0	0	0.0184308	0.0165772	0.0210146	0	0.0230246	0.0421781
PGR	0.37354	0.102656	0.160073	0.0750044	0.0392303	0.24487	0.248914	0.192456	0.0216197	0.0111402	0.0180356	0.00762114	0.0421665	0.0120612	0.066284
PGR-AS1	0.162295	0.063625	6.36E-15	0	0.0815128	4.67E-11	0.11217	0.00016573	0	0	0	0.0270801	0.00224974	0	0.0271761

PGRMC1	12.6269	8.68112	9.2385	13.646	5.82605	20.0966	9.39089	9.0781	12.2936	14.6672	30.6995	7.62829	15.7797	10.274	13.2496
PGRMC2	7.71232	10.2916	10.5831	6.31165	4.828	8.27756	7.39732	10.7071	17.9154	7.02031	8.1272	5.79363	7.38709	4.38823	5.05122
PGS1	3.31866	3.00571	3.14799	7.17089	7.42264	6.77033	2.93353	2.43906	1.63567	3.82326	3.7134	2.47905	4.35774	5.24413	6.03789
PHACTR1	0.990023	0.730266	0.857012	0.694188	0.848194	1.49479	0.955576	0.893455	0.285896	0.512404	0.553045	0.230043	0.569614	0.458752	1.1946
PHACTR2	3.89191	2.28123	2.12096	3.77648	2.00413	5.65399	2.42725	2.70559	3.60683	4.99766	5.58804	3.12357	8.11845	4.21902	7.28226
PHACTR2-AS1	0.212998	0.205251	0.182984	0.14352	0.127254	0.0279023	0.121597	0.174734	0	0.185078	0.055488	0.257917	0.0422847	0.560892	0.505898
PHACTR3	0.0753399	0.1089	0.130319	0.0705818	0.53195	0.198285	0.140761	0.0913034	0.0333657	0.0257889	0.154635	0.0245035	0.026514	0.0608537	0.236068
PHACTR4	5.64328	5.9507	6.08566	7.6761	5.50154	6.45915	5.71368	5.63048	12.507	6.99451	7.50196	7.79916	8.81686	5.78838	5.0555
PHAX	3.83281	3.27691	3.52308	5.25988	2.76456	4.98468	2.58361	3.08994	6.2781	4.77866	7.41219	2.94714	6.95531	4.23893	3.7974
PHB	10.5093	7.68789	7.85267	22.8129	15.3591	26.8739	9.90895	7.10023	11.4779	13.2753	25.1687	8.6193	18.8033	15.0071	7.57878
PHB2	34.579	27.6653	26.9998	56.0298	32.7356	78.8054	34.866	22.9763	27.8534	34.7038	69.887	23.9961	41.3584	34.8885	23.4933
PHC1	3.30533	2.33002	1.86476	2.44177	3.15486	5.89042	2.99409	1.98939	1.49541	2.30618	3.05991	2.15517	1.83535	2.79853	4.93443
PHC2	7.16781	4.51839	4.98573	14.7561	8.89689	29.9589	5.85649	4.28288	4.69533	9.51085	16.8019	3.93974	13.8776	10.518	11.4316
PHC3	5.79538	4.95438	5.39793	3.61306	1.56978	4.06173	3.70731	5.56382	1.44405	2.72679	3.22889	2.09098	2.89761	3.1843	4.66834
PHETA1	2.26029	3.43493	3.78088	3.47929	9.66076	5.85249	4.2363	2.43198	25.3982	2.97963	3.94773	3.7432	2.31131	2.59298	1.42908
PHETA2	1.91536	1.44404	1.72409	2.66927	4.36261	5.14621	2.20955	1.33178	1.77671	3.78656	6.75547	1.04384	4.07871	3.05501	4.67475
PHEX	0.228842	0.0921842	0.117933	0.146909	0.0174822	0.143746	0.0471169	0.180038	0.0685337	0.108296	0.0889347	0.0778448	0.254148	0.123524	0.161629
PHEX-AS1	0.0485434	0.00584723	0.0100396	0.0125063	0	0	0.0138563	0.032356	0	0.0152317	0	0	0	0.00634272	0.0348572
PHF1	2.65211	2.64311	3.62475	1.99006	4.29197	6.35833	3.07991	1.63107	0.681614	1.91115	2.19137	0.952439	2.06247	2.11606	3.06295
PHF10	7.78095	8.19061	8.81003	9.35391	5.15673	10.4423	5.93136	6.92454	9.0991	7.85078	8.10541	6.12478	9.79544	7.19899	7.38169
PHF11	2.47474	2.79365	2.86279	6.65873	1.23676	2.49343	1.7435	2.0649	2.6311	2.4753	2.97751	1.47312	4.00156	2.1567	3.56701
PHF12	3.50267	3.27377	3.57846	2.94176	3.57576	5.59262	3.49989	3.28249	1.23957	1.82635	2.72881	1.78652	1.92131	2.56	3.35732
PHF13	2.02423	3.43028	3.83955	3.02831	3.78103	5.34801	2.772	2.14083	6.52801	3.72782	3.8085	2.98251	4.64228	3.01565	2.15538
PHF14	2.87158	2.7492	2.51869	2.60272	1.78588	3.09096	1.71076	2.47636	1.8086	1.88725	2.47556	1.55388	1.97637	2.17681	2.25882
PHF19	1.31858	1.02304	1.22317	2.94247	1.82984	3.80994	1.76566	0.745329	0.761614	1.93484	2.56112	1.06142	2.51157	2.53109	2.57592
PHF2	5.17463	5.45339	6.21721	5.44853	6.67368	9.61907	5.65628	4.64108	2.21312	3.34509	3.53617	2.9534	5.97662	4.66954	6.02716

PHF20	3.73338	3.68092	3.98581	4.2321	3.61587	5.43764	3.46397	3.0455	4.53819	4.26313	3.86849	3.28996	5.30688	3.51259	4.67871
PHF20L1	2.66928	2.65921	2.52532	3.52075	1.4195	3.59022	1.55398	2.35002	2.74009	4.09278	4.27065	2.11665	3.80997	3.60458	3.45447
PHF21A	3.03559	3.07891	2.59601	3.0951	3.51033	5.8301	2.5769	2.60153	1.4403	1.85906	2.4718	1.54787	1.69413	2.23214	3.16557
PHF21B	0.0233709	0.0140756	0	0	0.117985	0.02985	0.0333552	0.00519253	0	0	0	0	0	0.027483	0.0167818
PHF23	2.55613	4.17002	4.00987	8.96278	9.45687	11.9662	2.88217	2.38479	11.9227	9.30513	9.62654	5.40348	11.6335	8.14875	5.2703
PHF24	0.313105	0.220769	0.331675	0.118048	0.219455	0.464933	0.457766	0.22736	0.120909	0.594261	0.224143	0.254089	0.56416	0.419084	0.235797
PHF3	7.74866	6.8149	7.41528	5.16364	1.61181	6.31671	3.00039	6.19949	2.28384	3.67164	4.26491	2.2703	3.39742	3.49166	4.38796
PHF5A	5.80206	5.28741	5.7167	11.0402	6.34595	7.97492	5.55772	4.77014	12.1741	9.38229	22.2988	5.36434	11.679	7.83657	4.24427
PHF6	1.8145	1.7982	1.74932	2.66229	0.444266	2.22771	1.30621	1.94176	1.12491	2.10672	2.87932	1.17419	2.04496	1.82561	1.9729
PHF7	1.66911	1.63662	1.34851	1.13665	1.21296	2.20249	1.25935	1.11036	0.677597	0.80856	1.53162	0.942864	1.03912	0.816234	0.686875
PHF8	2.70088	3.45841	3.7195	2.9713	3.81762	4.02457	3.53684	2.64774	2.19031	1.76724	1.66175	2.28289	2.65724	2.61746	3.01021
PHGDH	25.4057	43.1971	20.0387	15.8129	117.785	34.4439	33.2693	16.056	84.5709	11.7341	22.2489	28.4757	8.55891	10.2287	4.27207
PHGR1	0.0532024	0.0512675	0	0.109653	1.07434	0	0.303724	0	0.129589	0	0	0	0	0	0
PHIP	5.07136	4.94468	5.53894	3.90121	1.44457	3.56749	3.15675	4.98468	2.92452	3.589	3.69076	2.75853	3.21339	3.73073	3.30975
PHKA1	1.54011	1.866	1.45744	1.81553	1.24868	2.49163	1.32098	1.38542	1.64694	1.08908	0.932906	1.36271	1.52928	1.71588	0.415387
PHKA1-AS1	0.154545	0.0744619	0	0.0796313	0	0.0328982	0.0441135	0	0	0.0484923	0	0.0552904	0	0.0201929	0
PHKA2	2.81451	3.43451	3.3118	2.84789	2.8556	3.39491	3.05444	2.58657	1.30647	1.32167	1.25763	1.36973	1.21902	1.82466	2.22241
PHKA2-AS1	0.36442	0.411703	0.44143	0.278586	0.249992	0.313548	0.600766	0.449644	0.0472953	0.127882	0.073902	0.134635	0.0492155	0.211909	0.229132
PHKB	5.1456	3.7541	4.00122	5.83466	1.86248	5.0978	3.18813	3.64827	3.03932	4.17798	5.09302	3.00713	4.03848	4.0488	3.94004
PHKG1	0.907025	1.12174	1.38471	0.295841	1.12674	1.67594	1.73697	0.779644	0.213562	0.151211	0.233187	0.332593	0.0393625	0.459754	0.625148
PHKG2	1.05473	1.27468	1.30518	1.43197	2.17617	1.91546	1.28523	0.901632	1.36826	1.63368	1.79493	1.59742	1.55235	1.71162	1.01337
PHLDA1	2.63407	1.56709	2.09814	4.05358	1.57464	3.5926	1.82327	3.02271	3.56551	7.58472	9.10177	3.07777	23.7272	12.5354	9.85343
PHLDA2	1.93697	2.30286	1.9978	7.33634	3.71214	6.59723	2.41262	1.2743	20.8635	20.9011	21.6388	21.1133	39.0174	16.3948	7.00853
PHLDA3	5.63006	6.09258	6.29145	10.489	22.1118	14.5004	5.01531	3.14632	14.8713	17.28	15.3109	8.3677	17.6707	8.67338	5.5904
PHLDB1	8.88519	6.3015	7.24829	4.59667	11.7046	11.7575	9.75824	4.89508	1.62974	4.0989	4.85551	2.76704	4.44282	7.03138	16.5412
PHLDB2	4.18909	4.85147	6.78072	5.2063	3.03175	7.49926	3.21922	2.47781	3.33599	5.41123	6.91393	2.21905	5.41008	8.43945	9.69391

PHLDB3	2.16646	4.56062	5.54598	5.57672	10.558	5.76375	4.12974	2.30549	10.0218	6.30186	2.89702	8.33629	7.76884	6.66253	1.46886
PHLPP1	4.77228	5.21617	5.45608	4.85102	6.62236	4.96108	5.251	3.64128	6.42321	3.84211	3.17045	3.57226	3.91985	3.17719	1.85597
PHLPP2	0.901642	0.740499	0.964165	0.567534	0.576938	1.0142	0.780873	0.730737	0.751827	0.829452	0.893501	0.447206	0.971761	0.808603	1.14773
PHOSPHO1	0.340809	0.307888	0.387669	0.329263	0.678286	0.462497	0.316164	0.321813	0.0518834	0.735196	1.2624	0.243858	0.247374	0.70692	1.39186
PHOSPHO2	0.398301	0.632353	0.801802	0.650896	0.418927	0.615709	0.578332	0.821144	0.313557	0.37717	0.514609	0.241216	0.219202	0.353199	0.487676
PHOSPHO2-KLHL23	0.228638	0.117055	0.0997059	0.103237	7.40E-05	0.49933	0.277853	0.0901142	0.0811958	0.235498	0.346445	6.47E-05	0.129589	0.0988264	0.254607
PHOX2A	0.122594	0.0590677	0.0563436	0.0421123	0.126954	0.0463944	0.0777633	0.121057	0	0	0	0.0097466	0	0.0569538	0.215185
PHOX2B	0	0	0	0.00787115	0	0	0	0	0	0	0	0	0	0	0
PHPT1	7.30908	7.6704	7.53753	13.5905	13.2865	15.6991	6.61416	6.58468	6.88091	8.15039	18.0038	8.34116	6.34921	6.60843	8.01123
PHRF1	6.16537	8.20825	8.56276	9.10163	17.7192	13.8717	8.70198	6.75491	6.3839	5.19014	2.58298	8.33181	12.7013	8.81003	7.54589
PHTF1	0.63547	0.531234	0.503239	0.878757	0.885863	1.7204	0.483706	0.579233	0.357199	1.22023	2.50772	0.411947	1.56642	1.26888	2.02023
PHTF2	1.69545	1.37164	1.53037	1.5157	0.447115	1.74554	1.16229	1.84681	1.64163	2.18083	3.42769	0.801226	1.92734	1.77957	2.64156
PHYH	2.56086	1.71593	2.01014	1.50978	1.05461	3.31645	2.24393	1.94773	0.681793	1.80889	4.2086	0.758514	1.29106	1.05828	2.73691
PHYHD1	2.45933	3.28329	3.9293	3.25882	3.2733	3.17304	3.6831	2.0558	1.04403	0.856319	1.9092	0.708312	0.321414	0.590034	1.01093
PHYHIP	0.455817	3.61039	5.82193	0.284686	1.08352	2.42871	1.85307	1.70016	0.0588778	0.0780132	0.17152	0.0247083	0.0579269	0.0794099	0.257877
PHYHIPL	0.145419	0.168519	0.102776	0.0284222	0.0686506	0.144439	0.119045	0.1144	2.60E-25	0.0351785	0.0415299	0.0135012	0.0125323	3.66E-25	0.36061
PHYKPL	2.28314	3.65683	3.86778	3.68584	5.56788	3.89475	2.74916	1.97366	2.60029	2.48415	2.36626	1.99048	4.10247	2.9852	4.36437
PI15	0.772004	0.212316	0.217595	11.9156	0.0955107	2.993	0.132607	0.482694	0.869491	4.39025	7.94756	0.613495	5.38649	4.46339	4.4201
PI16	14.6878	10.5772	16.1903	0.685215	1.98861	1.5971	24.701	6.60601	0.0241729	0.062279	0.0448124	0.0213029	0.0448209	0.0103736	0.270794
PI3	31.3726	4.0859	2.45367	1624.61	297.586	54.067	6.00979	28.1784	167.791	1909.23	1650.06	1218.97	4324.77	666.479	197.078
PI4K2A	4.03497	4.33031	4.18852	10.6517	8.5258	9.89301	6.11532	3.38946	16.6744	12.8828	12.4607	8.10374	14.9246	7.14121	4.44527
PI4K2B	3.85929	3.39207	3.90748	5.34238	3.01233	5.10634	2.87916	4.01002	5.70574	6.48256	7.44889	4.50619	8.53932	5.40555	3.51114
PI4KA	5.60595	5.7463	5.85132	7.27798	9.82583	7.47158	8.90002	5.11078	10.1407	5.56753	4.32026	6.8826	7.59056	5.49803	6.87345
PI4KAP1	2.16151	2.32219	2.84121	0.746817	1.89162	1.44194	2.43888	1.57715	0.611612	0.279024	0.289768	0.922553	0.166907	2.25363	1.92584
PI4KAP2	1.95465	1.51219	2.01949	1.0642	0.909239	2.49167	1.26401	1.12493	0.602441	1.33567	1.49612	0.686131	1.20574	1.36037	2.0718
PI4KB	7.67213	8.69663	9.09961	11.266	14.6058	13.2986	9.44327	6.90801	15.5868	11.0277	9.85852	9.71715	14.7988	9.14013	9.01924

PIANP	0.106755	0.183701	0.138782	0.0785818	0.236897	0.129858	0.104477	0.14909	0.0278606	0.0478532	0.352932	0.0709302	0.00491986	0.0956486	0.208069
PIAS1	5.60759	5.46935	5.65609	4.4417	1.30517	5.17959	4.38416	6.86353	5.01685	3.83762	4.89882	2.27494	3.9067	2.83541	2.79108
PIAS2	1.89552	1.3412	1.52414	0.838557	0.387083	0.947288	1.21494	2.10337	0.340886	0.607738	0.83859	0.536603	0.605775	0.925871	0.995598
PIAS3	8.38956	7.9	8.68214	7.86494	9.30317	13.2143	10.6078	7.5906	11.3248	5.1848	8.53449	9.84324	6.3442	6.11864	7.35277
PIAS4	2.56904	3.76557	3.45062	4.18688	7.9476	6.56867	3.79016	2.37935	5.18538	3.22442	3.74736	3.49572	5.37302	3.49252	3.29565
PIBF1	3.36741	3.27881	3.37898	2.16617	0.950053	2.2747	1.14782	2.53035	1.39558	2.24999	3.69029	1.6801	1.47866	2.22291	2.41297
PICALM	16.7821	13.0023	14.616	24.3002	4.89878	21.3189	11.3385	16.9828	19.8481	20.059	25.8367	12.3173	26.952	18.3485	20.2625
PICART1	0.411148	0.338966	0.249429	0.160064	0.340616	0.27229	0.292093	0.454712	0.0222547	0.0344022	0.0412564	0.013075	0.058949	0.105054	0.0262427
PICK1	2.6635	3.58217	2.95815	3.82544	7.02044	5.61628	2.95729	2.53484	4.26552	2.84283	2.32017	3.88663	4.13382	3.28284	1.70172
PICSAR	0.409891	0.881116	1.40853	0.714838	1.17545	0.93966	0.72	0.420319	0.1536	0.395734	0.427122	0.518894	0.834064	2.01044	0.181125
PID1	2.84055	1.5307	2.04689	1.77948	0.836026	2.03043	2.53485	1.91327	0.500714	1.87641	4.05047	0.727419	1.5771	1.75417	2.74822
PIDD1	1.3772	2.4874	2.50777	2.00597	7.55314	3.42628	2.67051	1.70941	1.04009	0.898059	1.05962	2.2461	1.28072	1.6929	1.53586
PIEZO1	5.69131	9.20956	10.0936	19.3459	26.2629	22.3212	14.6627	6.1791	15.2286	16.4187	6.99484	18.2296	36.7079	18.2765	14.3197
PIEZO2	0.295453	0.501683	0.685952	0.378136	0.71432	0.39765	0.451599	0.209636	0.18862	0.601094	0.833825	0.182422	0.465801	0.541704	1.6288
PIF1	0.119426	0.0616514	0.0846837	0.509869	0.450524	0.740882	0.0681784	0.0379057	0.0623346	0.37473	0.404451	0.299084	0.517356	1.01205	0.600288
PIFO	0.166779	0.141806	0.243479	0.181981	0.0457174	0.267313	0.190423	0.261564	0.0238963	0.0861926	0.321171	0.112315	0.0632971	0.0307645	0.0563567
PIGA	2.00412	1.68829	1.8533	2.84144	0.475885	1.44561	1.2097	2.15546	3.11706	4.16558	3.60975	3.83159	4.56273	2.86212	1.43908
PIGB	1.2895	1.23632	1.30493	1.22434	0.594735	1.81181	1.21737	1.04884	1.30032	1.56173	2.64717	1.10145	1.64097	1.24553	1.5761
PIGBOS1	1.87443	1.62632	1.74721	2.21415	1.53192	2.98358	1.03395	1.17806	1.05796	1.67486	3.60327	1.0017	1.85716	1.57014	1.95774
PIGC	6.07891	5.67201	6.5733	5.83519	4.36182	6.60805	6.81737	5.15562	14.4121	5.26717	8.88266	4.85745	5.65419	3.92703	3.21285
PIGF	1.9972	2.09339	1.78557	4.68305	0.693745	2.98084	1.5408	1.91949	4.15221	3.45451	5.9574	2.63358	2.36241	2.74959	1.44938
PIGG	3.6551	3.72379	4.11847	3.33916	4.561	3.49294	3.96911	2.85741	2.6047	2.4015	2.5516	2.61277	2.94898	3.03184	3.33853
PIGH	4.22706	3.92715	3.93115	3.18664	1.69878	4.37802	2.77306	3.16178	3.15983	3.39593	5.86064	1.98508	3.76926	3.25049	2.61471
PIGK	2.06661	1.33085	1.20876	1.79452	0.411958	2.97401	1.43975	1.77437	1.30416	1.95321	4.01064	0.798435	1.77567	1.49854	2.42895
PIGL	3.817	4.71387	4.37091	1.98747	2.6525	4.10542	4.74806	2.89232	2.0552	2.57186	2.78945	3.72301	1.65909	2.9294	2.9428
PIGM	1.53145	1.43705	1.83836	1.4568	1.00644	1.75539	1.504	1.50855	1.19994	1.08876	1.72881	1.12644	1.73087	1.23418	1.15351

PIGN	3.25664	3.65741	3.50707	5.3619	1.74031	3.5491	3.58282	4.08824	8.76499	5.78555	5.65919	5.57752	7.65731	3.95736	2.17484
PIGO	2.8317	3.41751	3.39791	3.59811	4.96233	5.26239	3.72912	2.54103	2.65182	2.20837	2.64422	2.65958	3.24604	2.62661	3.00857
PIGP	1.01709	1.0524	0.91038	1.63236	0.621599	2.15801	1.00899	1.17064	2.7414	1.9253	4.14095	1.2527	1.12956	1.68188	0.814147
PIGQ	3.20202	3.1715	3.90611	4.82586	9.00832	10.292	4.70056	2.22558	3.81475	3.22095	4.31487	2.77933	4.43203	3.66713	4.91029
PIGR	0.401097	0.0816497	0.112839	0.0744116	0.134855	0.904331	0.206569	0.203018	0.0263992	0.0477583	0.00611126	0.0709909	0.0104784	0.0604382	0.0740888
PIGS	6.02541	6.44278	6.74393	8.71635	7.8455	11.4546	7.08196	5.29761	8.0152	6.23806	8.83888	4.95689	9.65134	5.41838	5.15956
PIGT	12.4812	9.49548	11.637	13.0507	10.3727	28.0225	19.2521	10.1438	8.67726	10.7156	24.3474	8.77066	18.1384	11.761	15.2972
PIGU	2.85498	2.78158	2.83212	4.90791	1.86418	5.0018	3.07222	2.58218	3.15396	3.726	6.11785	2.80209	3.83075	2.59474	2.61246
PIGV	1.37057	2.57729	2.29358	2.62305	2.4696	3.0876	2.11035	1.54518	3.24301	1.89714	3.34197	1.66996	2.79939	1.87471	1.5859
PIGW	2.00277	1.40353	1.49754	2.4376	0.64297	2.50595	1.47912	1.82162	2.76097	1.51912	2.31366	1.61917	3.90795	1.73134	1.60142
PIGX	2.79695	2.55602	2.50054	6.71048	1.19714	6.69414	1.87096	2.08136	2.89785	2.55083	3.96148	1.70317	3.34071	2.37106	2.24056
PIGY	8.89198	7.14597	6.62894	12.2854	7.96661	14.9103	7.51003	6.62835	15.1737	12.8312	24.382	7.87669	11.9201	8.00068	5.12271
PIGZ	1.63074	1.36788	1.13937	0.609518	1.14187	2.25191	1.0805	0.961174	0.277843	0.657506	0.906146	0.411115	0.866795	0.684488	1.28626
PIH1D1	6.01794	7.6068	6.97599	15.1213	15.8684	16.796	7.2316	4.82002	16.6716	10.7003	19.6466	8.75818	10.9292	8.46496	6.32184
PIH1D2	0.174966	0.237605	0.13311	0.279759	0.074122	0.327846	0.0733745	0.127222	0.252659	0.259526	0.2577	0.136586	0.330397	0.200147	0.311163
PIH1D3	0.0360297	0.0115731	0	0	0	0.0102263	0	0	0	0	0	0	0	0	0
PIK3AP1	1.04868	0.34998	0.612849	3.6684	0.792062	3.8175	1.0161	0.782348	0.0820201	2.01052	3.36684	0.117028	2.62571	0.771844	2.56993
PIK3C2A	5.98923	5.14089	5.72903	6.144	1.67382	5.92906	3.7003	6.17877	6.36289	6.21584	7.3138	4.12376	6.58887	5.52647	5.89688
PIK3C2B	5.83102	9.2291	8.86621	6.99128	13.7773	10.4852	9.33837	5.94003	10.9504	2.99542	3.17725	7.26148	5.02961	4.03846	5.44402
PIK3C2G	3.74611	10.3198	9.12751	2.63128	1.46923	1.25766	3.36219	7.51146	3.3253	1.04094	1.47275	1.16686	0.207428	0.338491	0.240892
PIK3C3	6.53349	5.65978	6.05899	6.78668	2.73413	6.4014	4.51327	5.6208	5.52268	5.04554	5.3548	3.87438	5.04787	4.12805	5.60191
PIK3CA	2.6383	2.29014	2.60441	2.49065	0.656281	2.65242	1.52456	2.85115	1.98381	3.22558	2.86739	1.48943	2.77353	2.31055	2.50012
PIK3CB	3.75721	4.83515	5.42329	3.59344	1.55251	3.15512	4.03208	5.00706	5.25215	2.84801	2.65769	2.41293	3.47024	2.19393	1.48319
PIK3CD	1.33361	1.42147	1.32226	2.80609	3.0707	4.29755	1.14568	0.964169	0.752034	3.44988	2.38166	2.60495	5.81829	4.57645	3.27006
PIK3CD-AS1	0.0253901	0.0611666	0.105022	0.0784956	0.414115	0.0432386	0.0434843	0.112823	0	0.0956014	0.0143311	0.0635855	0.0409539	0.185779	0.145853
PIK3CD-AS2	0.169104	0.0814767	0.0599548	0.0248952	0.375252	0.575958	0.193077	0.107347	0.088264	0.0606407	0.654504	0.207426	0.124691	0.15151	0.416322

PIK3CG	0.632118	0.509121	0.718056	0.784291	0.576437	0.902421	0.66069	0.774183	0.145543	0.777583	1.44491	0.164267	0.750747	0.384612	0.993612
PIK3IP1	10.5841	9.23891	9.7159	7.90812	9.52153	11.1559	8.41977	7.32716	6.43946	4.32238	5.48291	2.17623	4.52847	1.99555	3.97814
PIK3IP1-AS1	0.274207	0.660585	0.725898	0.113031	0.0851876	0.233483	0.250464	0.487384	0.0667906	0.0688315	0	0	0	0.315287	0.315036
PIK3R1	18.9045	8.03306	7.72963	13.2711	3.6273	20.0958	6.63972	11.9444	1.284	3.97355	6.16572	2.39063	4.12033	4.40349	7.22777
PIK3R2	6.04077	11.2531	8.97449	14.3217	25.5726	21.0168	10.0761	7.05395	15.0299	6.9525	9.53264	10.2781	7.82867	6.97408	6.99489
PIK3R3	3.83327	1.13077	1.06222	1.90615	2.25118	7.89566	1.17945	1.85941	0.523332	1.55169	2.22249	1.03159	2.88199	2.3494	4.71513
PIK3R4	4.30803	4.2288	4.64676	5.28203	2.63965	5.4828	4.10597	3.61637	3.6134	3.09549	4.52104	2.76046	4.31152	3.88383	3.48919
PIK3R5	0.943385	0.382005	0.547965	1.89783	0.857417	1.24765	0.67034	0.914215	0.116116	2.0028	1.92034	0.197479	1.33389	0.76843	1.7728
PIK3R6	0.33776	0.613397	1.06931	0.267747	0.514568	0.315252	0.281816	0.738887	0.102838	0.13859	0.417951	0.130133	0.0963881	0.196897	0.438425
PIKFYVE	5.12539	3.63316	3.88598	3.76428	2.03258	3.88831	3.51475	4.30472	2.21488	2.98124	2.98435	2.63428	2.89192	3.49596	4.34445
PILRA	1.09681	0.623703	0.729447	5.24073	1.16099	5.04065	0.741565	0.912192	0.28732	3.03866	8.60824	0.467192	4.12556	1.48169	4.39177
PILRB	1.80594	2.70307	2.29498	1.85618	2.41351	3.29959	1.50659	1.33698	1.59738	1.03652	0.0866967	1.28582	0.540658	1.82579	3.20491
PIM1	14.2925	19.4735	17.6543	37.117	35.7899	36.2841	32.5106	15.8528	131.928	47.6609	71.9925	50.4425	58.7074	30.0045	12.2811
PIM2	1.5344	1.01972	1.2256	2.22465	1.67664	2.55899	1.19615	1.48591	0.309307	1.47426	2.09053	0.628457	2.64908	1.22228	2.06682
PIM3	10.8176	9.72579	11.5485	15.8897	23.5581	27.8734	8.3526	8.6282	17.0962	15.1278	19.6134	12.564	22.8402	12.4057	8.7317
PIMREG	0.329758	0.317765	0.309999	1.25118	0.488946	1.34011	0.633218	0.146531	0.237314	1.26046	3.11341	0.139426	0.918729	1.16725	0.344418
PIN1	7.3	6.78735	6.95311	13.3175	13.5154	17.7572	8.53768	5.87397	13.5042	14.3872	22.9852	8.4703	14.028	9.4248	5.95024
PIN1P1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PIN4	1.31759	0.747122	0.763746	1.19156	0.403767	1.41193	0.634503	0.868269	1.09162	1.28247	2.48913	0.885053	0.803841	0.735479	1.08128
PIN4P1	0.295947	0.29469	0.228506	0.111827	0.153236	0.0839983	0.675805	0.359451	0.0240287	0.160959	0.0222725	0.119996	0.0254591	0.226856	0.15584
PINCR	0	0	0	0	0	0	0	0.0184629	0	0	0	0	0	0	0
PINK1	11.0009	11.607	11.3205	15.3097	26.4379	25.8447	12.7796	6.14334	27.7254	19.0712	17.1352	12.5469	25.6171	10.6717	9.6177
PINK1-AS	2.52079	1.70344	2.0604	1.18462	0.829296	2.54414	2.65223	1.96514	0.875921	0.986786	1.28598	0.975315	1.22014	0.987632	1.57631
PINLYP	0.927532	0.980998	0.655029	1.28224	0.7731	1.52177	0.852387	0.46242	1.4878	1.07897	1.83875	0.6313	0.861168	1.20601	0.519826
PINX1	2.19638	2.33667	1.75603	4.39014	2.86219	5.32188	2.10382	1.44104	5.04469	3.75574	5.67441	2.97437	5.30694	3.27428	2.07463
PIP	97.5142	8.30493	11.3677	0.207028	1.74753	14.1637	22.7081	27.4949	0	0	0.408213	0	0	0	0.115404

PIP4K2A	4.14796	2.24072	2.61901	3.95908	2.24346	8.19034	2.26246	3.13187	1.8645	3.29914	5.02815	1.57493	5.14747	3.09183	5.03608
PIP4K2B	5.8544	6.3418	6.03226	7.36458	8.67371	11.5238	6.2833	4.53191	1.96198	4.10467	6.08929	3.39741	6.4265	5.39574	6.85949
PIP4K2C	5.78036	4.91196	4.66894	9.26128	6.16461	12.2131	6.18943	3.66755	9.74535	8.51829	7.5885	7.1712	14.6488	6.59075	4.86309
PIP4P1	5.23474	5.12882	5.33548	5.63975	6.90584	9.15992	5.86247	4.12911	11.561	7.23028	11.0271	5.52876	9.26776	4.46382	3.18335
PIP4P2	1.66615	1.09975	1.31461	0.972642	0.493684	2.36177	1.53947	1.43794	0.293234	1.57141	2.54407	0.551293	1.44782	0.875834	1.36929
PIP5K1A	5.65817	5.51964	5.90758	7.42171	4.37092	7.33794	6.89746	5.01229	15.5437	9.00852	11.2789	7.25775	12.1675	9.00496	6.29293
PIP5K1B	0.88134	0.265402	0.390593	0.12975	0.256692	0.91126	0.332434	0.370651	0.0191674	0.0493827	0.071066	0.0225222	0.0609253	0.0904803	0.158214
PIP5K1C	3.20545	3.30433	3.51378	5.48604	7.94556	10.0466	5.53312	2.46488	2.99945	3.6808	3.78112	3.58951	6.66156	5.21417	7.39494
PIP5K1P1	0.152723	0.186589	0.194028	0.0618302	0.0931984	0.0510879	0.180602	0.222981	0	0.0547667	0.018472	0.0585416	0	0.0769692	0.070499
PIP5KL1	0.514892	0.887875	0.68377	1.91299	3.70436	1.36142	0.711653	0.409426	2.80536	2.63599	4.03816	3.2576	2.78003	2.01829	0.661613
PIPOX	0.249469	0.129444	0.214316	0.0692152	0.253373	0.2451	0.394388	0.102326	0.0233712	0.072256	0.119147	0.0411927	0.0804781	0.0451327	0.0413387
PIPSL	0.0798207	0.0531843	0.060923	0.0948601	0.0668461	0.0575075	0.189277	0.119833	0.119637	0.130814	0.090013	0.0615252	0	0.096324	0.167238
PIR	2.26657	2.17889	2.22106	1.68571	0.981891	2.74719	1.91577	1.311	3.53271	1.57505	3.59556	1.62624	1.27303	1.4972	0.980042
PIR-FIGF	0.398603	0.0632231	0.127575	0.0503542	0.692651	0.28234	0.233183	0.270104	0.0160859	0.0158627	0.0435489	0.0358226	3.51E-27	0.0135949	1.45E-05
PIRT	0.0934803	0.173727	0.060762	0.020643	0.414878	0.0852828	0.114357	0.0474729	0.146377	0.368743	0.437186	0.205441	0.2671	0.15704	0.0863033
PISD	2.6785	2.84106	3.00228	4.01796	4.87903	5.1357	3.63027	2.56881	3.12913	2.49112	3.6618	2.95524	3.12893	2.94751	2.75817
PISRT1	0	0.0839976	0	0	0	0	0.0497627	0	0	0	0	0	0	0	0
PITHD1	13.8116	14.5124	12.2404	18.3062	25.9978	22.8526	12.9513	10.791	45.7886	31.5361	38.9307	27.2588	30.8854	16.2045	8.6267
PITPNA	15.7357	20.0497	18.4614	22.153	18.2849	28.3267	16.3515	15.9172	32.5197	20.5655	20.3073	23.242	25.6869	16.6164	11.1826
PITPNA-AS1	1.89509	1.75581	2.8724	2.54047	1.36721	3.20803	2.61849	2.27395	4.07643	1.58037	2.30477	1.18639	1.95243	0.985443	1.43754
PITPNB	8.92471	8.26195	8.2098	14.1574	3.68496	15.8217	5.80038	7.87053	10.3119	10.5887	10.3332	7.97963	20.3455	11.5891	9.8591
PITPNC1	1.22131	0.595451	0.670562	2.46474	1.60915	4.00497	0.751177	0.772051	0.672879	2.55478	3.63963	1.00392	5.25091	3.03002	5.52289
PITPNM1	1.18837	1.26125	1.20056	7.79934	6.64372	8.84578	1.51315	0.973386	2.29434	4.64641	3.22706	2.99372	11.5469	7.43578	4.35704
PITPNM2	1.35371	1.64826	1.57777	2.41554	2.4705	4.29831	2.23086	1.2564	0.950214	1.80366	1.21576	1.83703	3.21611	2.20789	3.18907
PITPNM2-AS1	0.295758	0.407145	0.358269	0.130623	0.360968	0.341775	0.410048	0.206521	0.0385928	0.344692	0	0.219181	0.0136301	0.447166	0.515763
PITPNM3	3.56649	6.03914	4.8004	3.88543	10.4967	4.26304	5.09934	3.1724	4.93479	2.88803	1.48694	4.38134	4.71913	4.57198	1.85911

PITRM1	6.75865	5.55432	5.0659	9.53713	4.22867	12.5467	7.64599	5.1838	8.38779	10.2598	7.56583	7.96126	14.3126	7.99418	7.80759
PITRM1-AS1	1.11587	1.07952	1.08264	0.596192	0.770065	0.608357	1.19963	0.936008	0.218892	0.609443	0.230945	0.707606	0.151193	0.948829	1.00389
PITX1	1.66071	1.03412	0.474019	10.2084	5.76273	3.95278	0.654224	0.448811	6.67088	15.2609	13.3424	5.81631	25.9724	8.01465	3.3334
PITX2	0.0696273	0.0309669	0.0398774	0.0938308	0.0332785	0.0182421	0.024461	0.0333194	0.00652294	0.0134445	0.0060462	0.0229939	0.0311007	0.00279925	0
PITX3	0	0.00803363	0.0137936	0	0.0776999	0	0	0.0148182	0	0.0418543	0	0	0.0430311	0	0.191564
PIWIL1	0.0126881	0.0152833	0.0104965	0.0261509	0	0.00540187	0	0.0451044	0	0.00796242	0.00716163	0	0.00409314	0	0
PIWIL2	0.3016	0.317877	0.33917	0.0242818	0.102482	0.216682	0.236745	0.21778	0	0.0768906	0.106396	0.0168596	0	0.0394073	0.121819
PIWIL3	0.0186909	0.0238965	0.010074	0.0188237	0.00946684	0.00525016	0.0347593	0.00541111	0	0.00764191	0	0.0130893	0	0.0127288	0
PIWIL4	0.448537	0.254454	0.299243	0.178928	0.0561881	0.252562	0.289103	0.289323	0.0264323	0.1362	0.318506	0.0724703	0.126026	0.166366	0.394805
PJA1	1.96877	2.04042	2.51951	2.76589	3.09562	4.11227	2.04603	1.29262	2.16286	3.80231	3.59227	1.4892	5.1691	2.80971	2.36578
PJA2	13.8887	12.5958	14.9264	14.3078	5.13137	18.9208	8.82428	13.5217	12.8685	19.645	16.1615	9.42417	19.3846	13.4519	15.6113
PJKV	0.493971	0.572219	0.730348	0.303265	0.22856	0.429559	0.336	0.410979	0.128	0.184676	0.284748	0.157924	0	0.175776	0.316968
PKD1	7.47989	12.9465	14.3168	7.70715	26.5956	16.8434	14.9176	8.30722	2.55187	3.26032	2.74681	5.92296	6.40226	7.11994	13.3671
PKD1L1	0.231634	0.127548	0.128451	0.104926	0.328176	0.153885	0.244128	0.119895	0.148802	0.198076	0.267233	0.285948	0.0968956	0.481588	0.709179
PKD1L2	0.149038	0.350914	0.460611	0.0608556	0.227139	0.318456	0.292173	0.144948	0.0171237	0.0141176	0.0222211	0.0140846	0	0.0117575	0.0121153
PKD1L3	0.107016	0.0816824	0.0516123	0.0276039	0.0484397	0.102418	0.07121	0.0752232	0.0271277	0.0447547	0.10058	0.0318758	0.00862802	0.0535652	0.0896855
PKD1P1	14.559	26.1752	28.3623	17.0095	47.8553	32.1791	23.9187	14.9766	6.88341	5.71144	5.10907	14.6453	5.97432	12.9003	22.9079
PKD1P3-NPIPA1	0.513883	1.11445	1.17893	0.72563	2.81693	1.51557	0.920948	0.655281	0.205929	0.307256	0.188713	0.526481	0.347338	0.504471	0.788568
PKD1P4-NPIPA8	0.211738	0.571789	0.588969	0.282031	1.56607	0.594442	0.414056	0.349133	0.011995	0.085737	0.109996	0.374393	0.148739	0.35408	0.554148
PKD1P5-LOC105376752	0.226711	0.343639	0.433123	0.176673	2.75133	0.3629	0.43375	0.304646	0.168296	0.0747863	0.0585253	0.243767	0.0596351	0.722455	1.0733
PKD1P6-NPIPP1	6.5176	9.51833	9.53169	6.14936	14.4745	10.3353	8.04137	7.06197	1.77669	2.0685	1.88398	4.24011	1.91035	5.62575	10.1356
PKD2	4.70244	2.17132	2.21651	3.15552	2.76749	5.42404	2.36199	2.53907	1.43731	3.15116	5.18504	1.35306	2.94285	4.26051	6.3868
PKD2L1	0.0150622	0.00725719	0.00623025	0.00776101	0	0.0384758	0	0.013386	0.0550321	0	0.0170033	0.0053887	0	0.00393608	0
PKD2L2	0.0813002	0.0639213	0.0840365	0.0239935	0.0482215	0.0330416	0.0832475	0.0703105	0.00945192	0.00974075	9.35E-33	0.0703102	0.0269435	0.045663	0.107206
PKDCC	2.35965	0.566228	0.964551	1.00128	2.93228	7.27255	2.64134	0.888166	0.0676185	0.313581	1.11773	0.0264846	0.776142	0.401412	3.77414
PKDREJ	0.111788	0.183418	0.247443	0.0965192	0.0328517	0.0617421	0.182829	0.0993475	0.0551938	0.0341282	0.0784451	0.0713398	0.0194932	0.0426345	0.0433895

PKHD1	0.0398858	0.0595744	0.0593934	0.00822069	0.00413042	0.0260377	0.0759005	0.0567154	0	0	0.00150087	0.00380524	0	0.00347434	0.00763747
PKHD1L1	1.50963	0.39329	0.426842	0.212687	0.214326	0.225099	0.524243	0.589413	0.00706053	0.218288	0.0863873	0.141038	0.23041	0.201189	0.211474
PKIA	1.05772	1.44924	1.67711	0.953755	0.521994	0.544131	0.880589	2.21294	0.516614	0.331886	0.522388	0.30746	0.248804	0.135323	0.158231
PKIA-AS1	0.414296	0.720829	0.723552	0.166034	0.214515	0.0293973	0.578148	1.06367	0.0280315	0	0.0519654	0.0905789	0	0.0781911	0.132218
PKIB	0.334523	0.46786	0.507395	0.594648	0.22127	0.143289	0.334477	0.603158	0.304426	0.226053	0.466529	0.276582	0.378255	0.285038	0.469004
PKIG	4.6602	2.58788	3.35429	6.78319	6.11422	16.6346	4.29879	2.1995	2.02013	7.81524	18.7396	2.15706	11.1181	6.57754	10.9465
PKLR	0.10029	0.114799	0.0368436	0.197023	0.315682	0.385291	0.0991059	0.143521	0.100638	0.213091	0.114103	0.135396	0.281893	0.200445	0.0673037
PKM	70.1286	66.1492	73.3467	255.505	133.786	314.522	79.5941	56.6644	83.3596	269.39	182.46	170.562	418.863	195.903	118.539
PKMYT1	0.472442	0.433875	0.498483	2.75895	1.14451	3.7921	1.14255	0.319157	0.496925	1.64998	2.06207	1.02481	4.15987	2.21279	0.896429
PKN1	6.04408	2.39654	3.21129	4.73035	10.4546	14.8238	6.46277	2.4988	1.50995	4.86274	6.55636	1.42572	5.75657	4.74796	9.63393
PKN2	5.41338	5.22183	5.38942	5.73634	1.68177	5.12758	3.33338	5.73335	4.27399	5.50107	5.07846	3.98292	7.29606	4.49167	3.73702
PKN2-AS1	0.111076	0.0188888	0.054053	0	0	0.00556352	0.0223806	0.0290339	0.00795755	0	0	0	0.00843127	0	0
PKN3	1.7037	1.1131	0.992234	1.76273	3.39803	3.49903	1.20604	0.987197	0.821665	1.05205	1.41552	0.8387	1.6796	2.06579	3.4352
PKNOX1	1.50482	1.73551	2.02115	2.44645	1.20234	2.36384	1.66878	1.69859	1.60098	2.11122	2.89472	1.33973	2.62532	1.98655	1.82577
PKNOX2	0.465343	0.352756	0.513286	0.338882	0.250584	0.586425	0.69425	0.286734	1.38283	0.155747	0.210126	0.159823	0.0640505	0.0940406	0.187122
PKNOX2-AS1	0	0	0	0.040699	0	0	0.0450921	0	0	0	0	0.0282585	0	0	0
PKP1	172.081	253.045	209.641	273.507	393.572	282.257	357.012	171.538	651.994	424.297	220.559	489.198	650.44	238.054	104.875
PKP2	1.52757	0.615433	0.715964	1.46676	0.445416	2.82783	0.648843	1.11665	0.247632	1.45268	0.482609	0.65656	4.6151	1.89922	0.546577
PKP3	32.4301	45.66	42.1044	80.5711	134.48	92.5418	41.3415	23.1099	193.457	128.202	59.5855	125.669	171.939	74.1106	28.3179
PKP4	7.94012	8.07555	7.87328	8.6169	6.08712	11.2711	6.341	6.85838	5.07461	5.71671	5.76586	5.07027	8.03054	6.46111	7.1237
PKP4-AS1	0.660878	0.786137	0.819112	0.323907	0.602357	0.20908	0.364434	0.597119	0.097147	0.143004	0.167355	0.371292	0.0589675	0.611073	0.836872
PLA1A	0.627444	0.0232548	0.0598923	0.0746077	0.0562291	1.10962	0.0688842	0.0857878	0	0.0908662	0.217941	0	0.249122	0.145046	0.433216
PLA2G10	0.0227885	0.10987	0.0566472	0.0706692	0.106647	0.0389632	0.155894	0.0809994	0	0.0856841	0	0.0325653	0.0293644	0.0835301	0.228765
PLA2G12A	3.59856	3.28237	3.02452	3.1435	1.57256	3.31257	2.33702	3.13131	3.50503	3.73975	5.07042	2.71721	3.01773	2.49074	2.19671
PLA2G12B	0.0146754	0	0.0607025	0	0	0	0.0335117	0	0	0	0	0.0105006	0	0.00766999	0
PLA2G15	2.21501	2.18352	2.18345	2.57999	5.69492	4.27795	3.00383	1.87801	3.34878	2.01315	3.79381	1.6274	1.8343	1.54798	2.34007

PLA2G16	3.21749	0.590191	0.837703	1.11085	1.42071	4.38066	2.90906	1.23377	0.278475	1.02494	2.24935	0.175294	0.769245	0.435338	1.21968
PLA2G1B	0	0.0197357	0	0	0	0.0348779	0	0	0	0	0	0.0293088	0	0	0
PLA2G2A	46.3535	6.62339	10.2963	2.86565	5.85218	24.8235	16.8734	12.9345	0.0273117	0.0562925	0.531626	0.096276	2.79248	0.152367	19.3234
PLA2G2C	0	0	0	0	0	0	0.0424823	0	0	0	0	0	0	0	0
PLA2G2D	0.0117477	0.0169807	0.0291557	0	0.0182483	0.140043	0	0.0313212	0	0.0589785	0.0530469	0.00840582	0	0	0
PLA2G2E	0	0	0	0	0.0738176	0	0	0	0	0	0	0	0	0.0248369	0
PLA2G2F	1.41293	2.46881	3.35171	4.91201	4.11187	0.927682	2.94464	2.62485	7.42218	1.69859	1.71032	2.14987	0.587606	0.391471	0.452278
PLA2G3	2.54668	4.04465	4.29871	6.45061	5.19458	6.06732	4.63081	2.6824	14.6097	15.7019	8.72145	14.3875	16.431	10.1596	1.68706
PLA2G4A	1.35159	1.75181	1.43854	2.05262	1.00677	2.71226	1.27247	1.41192	1.5787	6.2697	3.69401	2.12649	10.8418	4.64741	2.84915
PLA2G4B	5.22609	8.06086	8.29013	14.0488	10.2576	11.9216	5.02068	6.94308	48.4008	13.9507	21.2868	26.1823	9.19268	13.575	5.40607
PLA2G4C	1.07286	0.799033	1.20079	0.88263	1.09234	0.758252	1.58339	0.560862	0.15372	0.407358	1.57751	0.348349	0.407178	0.973528	1.37244
PLA2G4C-AS1	0	0.0134669	0	0	9.56E-38	0.0276856	0.0357006	0.0235597	0	1.66E-21	0	3.98E-39	0	0.0885575	0.0761428
PLA2G4D	5.1594	4.62641	3.14641	43.3205	18.757	12.3822	3.72325	8.22934	102.22	10.147	21.577	40.3637	5.50776	13.2025	1.59505
PLA2G4E	7.08164	15.8002	19.2216	32.0462	26.6059	10.5753	14.2928	15.2435	26.4468	15.6124	8.50627	16.9843	31.0236	17.5664	4.82654
PLA2G4E-AS1	1.96936	5.86452	7.31678	4.06142	9.16458	2.10012	5.7736	5.77028	3.06592	3.2353	0.522722	4.72727	0.858785	7.37852	1.94178
PLA2G4F	10.3718	24.8383	24.6278	12.881	47.6036	12.3813	22.6476	19.5069	28.4934	10.0316	7.62368	23.9804	9.72371	10.1801	3.42644
PLA2G5	0.219945	0.0941979	0.242605	0.100737	0.151844	0.218493	0.19532	0.0325781	0.0148815	0.0613451	0.234496	0.00874312	0.0473024	0.0191588	0.631736
PLA2G6	1.9786	3.27625	2.95177	1.33895	4.65117	2.06663	2.50761	1.94012	1.86351	0.794672	0.498836	1.54788	0.404252	0.865201	1.54389
PLA2G7	0.4785	0.151825	0.125513	1.73189	0.235673	1.56018	0.239855	0.414879	0.454836	2.1386	6.12628	0.192066	2.29662	1.07964	1.20677
PLA2R1	10.9788	8.37249	7.28335	5.76869	9.3144	4.71287	6.42738	8.75026	11.9145	6.91176	3.53264	7.72052	3.89366	6.22949	3.21367
PLAA	3.34748	3.00154	3.12354	4.60216	2.08861	3.84743	2.59031	3.19848	4.55391	3.68379	4.02446	2.72809	5.73155	3.45666	2.95601
PLAC1	0	0.0236076	0.0135113	0.0336621	0.0761097	0.152975	0.0372957	0.0290298	0	0.0204989	0	0.0233726	0.0843008	0.0426802	0.0703663
PLAC4	2.05788	1.44383	1.66799	1.40348	1.05595	0.982445	1.43617	1.43638	0.132353	0.429508	0.159223	0.777595	0.196922	1.75228	1.79647
PLAC8	0.180717	0.0653041	0.0840947	0.197874	0.0526342	0.480869	0.0773762	0.0401515	0.0275116	0.212642	0.522767	0.0242452	0.269632	0.0472253	0.227091
PLAC8L1	0.266989	0.532098	0.461823	0.187595	0.0942558	0.124002	0.415689	0.431413	0.103461	0.0456952	0.095899	0.130253	0.0313199	0.158568	0.104572
PLAC9	11.3827	3.40499	5.13226	2.30713	13.7428	6.27009	15.183	4.0512	0.755559	3.58855	12.3625	0.636903	1.166	1.48023	6.19792

PLAC9P1	0.115427	0.0278072	0.0954891	0.0594753	0.71719	0.0491422	0.658952	0	0	0.0724362	0.325756	0	0	0.060327	0
PLAG1	0.126155	0.17931	0.169591	0.0975045	0.0489904	0.134274	0.140438	0.302712	0.192053	0.249381	0.256343	0.0722136	0.124126	0.126923	0.0226467
PLAGL1	3.44124	5.45207	6.676	2.32832	3.40066	4.7842	5.51699	5.06346	2.58814	2.19913	3.99595	3.25388	2.68726	3.33435	6.67525
PLAGL2	3.20795	3.16619	3.61857	3.21312	2.44068	3.63739	4.61579	3.61097	3.52819	2.56266	2.61441	2.86629	3.92038	2.82501	2.44454
PLAT	2.29204	0.647369	0.731109	8.90759	2.14288	5.66522	1.76379	1.18131	0.560037	1.56913	2.75775	0.678625	7.84828	3.88287	2.74476
PLAU	3.21756	8.8092	3.16997	19.2133	18.7485	20.7361	2.72014	4.47773	5.41727	18.2667	36.9818	5.03407	26.735	18.419	14.9585
PLAUR	0.989708	0.593298	1.07581	9.47578	2.4133	7.75109	0.998619	0.490923	0.812913	13.6929	22.6439	5.76412	20.4635	8.08374	10.1477
PLB1	0.488692	0.794206	0.808561	0.947269	1.34953	1.09313	1.20451	0.634228	3.12229	0.477057	1.09021	0.607764	0.315301	0.233114	0.473452
PLBD1	22.3764	16.5298	11.7331	36.0336	19.7237	14.4531	18.1357	13.254	177.838	27.2277	48.5461	48.5042	20.8442	7.63799	7.07047
PLBD1-AS1	1.22429	2.26439	1.43755	1.66866	1.96309	2.2867	1.93896	0.877458	4.28075	1.04093	2.13998	1.72377	0.789906	0.619227	0
PLBD2	6.52121	5.55573	6.16547	9.40684	13.1509	28.1739	11.8964	6.14416	6.82745	10.4004	18.1917	6.70684	13.4609	7.13249	15.034
PLCB1	1.28448	0.591031	0.781018	0.681701	0.813058	1.20308	0.722287	0.779096	0.187722	0.769802	1.33039	0.252746	1.01106	1.28223	2.32429
PLCB1-IT1	0.24885	0.0599499	0.0514666	0.0641118	0	0.211893	0	0.0552893	0	0	0	0.0445147	0	0.0975449	0.625415
PLCB2	0.605344	0.480154	0.562103	0.789328	1.3305	1.91099	0.521897	0.446486	0.0551676	0.537523	0.855358	0.20331	0.69345	0.456274	2.0817
PLCB3	3.02622	4.91735	4.25158	10.2303	12.1252	10.909	5.42046	3.18856	7.55824	11.1412	4.95334	9.09789	20.2277	12.0388	5.99976
PLCB4	3.25179	1.24947	1.61069	0.459457	0.501941	1.22596	1.23761	1.58129	0.104613	0.400434	0.332458	0.0936555	0.277101	0.235156	0.687284
PLCD1	5.35906	6.52316	5.41464	9.55479	14.93	9.00933	5.20223	4.17779	23.8166	27.6482	17.6998	16.0575	25.6253	10.8747	6.40842
PLCD3	5.11843	6.03513	6.12238	11.4021	16.4922	9.5007	11.3148	4.60814	29.3153	7.00208	6.63687	5.85884	10.0923	5.17236	3.60348
PLCD4	1.02238	1.32623	0.455424	1.17148	2.02124	1.60716	1.14284	0.787885	1.22773	1.57932	0.847448	1.30962	1.3654	2.60445	1.22185
PLCE1	0.918287	0.388885	0.431475	0.19441	0.262874	0.616551	0.842578	0.369832	0.0675752	0.306417	0.294391	0.20627	0.263123	0.528979	1.22714
PLCE1-AS1	0.0821841	0.0322298	0.0407931	0.0169386	0	0.055983	0.0938352	0.043823	0	0	0	0.0245759	0.0424198	0.130378	0
PLCE1-AS2	0.0194316	0.00936245	0.040188	0	0.015092	0.0330915	0.0221864	0.043173	0	0	0	0.0139038	0	0.00507791	0
PLCG1	8.17853	8.65408	8.76969	7.1489	14.0587	13.9368	9.15326	6.66146	12.258	8.5576	6.84549	9.1333	9.18999	10.5041	10.1103
PLCG1-AS1	0.713392	0.589749	0.463313	0.470522	0.24991	0.343472	0.475986	0.704619	0.211645	0.634199	0.34165	0.649656	0.214938	0.840362	0.420144
PLCG2	108.066	113.229	111.17	90.3611	104.763	97.6768	165.102	144.356	89.3414	77.4195	259.423	58.6438	51.7802	60.3125	46.1003
PLCH1	0.233392	0.0863762	0.125921	0.0418292	0.0683044	0.3917	0.127447	0.186377	0.0041195	0.0721715	0.0496394	0.00968107	0.0218237	0.0247498	0.0340039

PLCH1-AS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.059292	0
PLCH2	2.44144	8.08141	9.04657	1.54723	13.5413	2.82464	5.35116	4.96765	3.01872	2.4616	1.03449	4.88748	3.2966	5.43639	1.80168
PLCL1	0.756492	0.383051	0.52152	0.353702	0.397138	0.87675	0.39588	0.420192	0.136492	0.316492	0.751191	0.170406	0.45193	0.386224	1.40329
PLCL2	1.7336	0.743039	1.2098	1.07959	0.487362	2.07384	0.916826	1.04445	0.200771	1.04788	2.02905	0.224496	0.71022	0.722622	3.16172
PLCXD1	1.14962	2.23314	1.72578	11.6367	6.26692	2.17223	2.98653	1.75255	18.4037	5.53916	5.07443	7.79622	5.56989	3.88517	1.8365
PLCXD2	0.290904	0.321854	0.347615	0.544055	0.909923	0.12099	0.356748	0.239381	0.813552	0.189319	0.255453	0.272541	0.208544	0.119289	0.0464195
PLCXD2-AS1	0.0240823	0.0348096	0.119535	0.0496349	0.0748161	0.0820229	0.082489	0.0428046	0.146647	0	0	0.0172315	0	0.0377593	0
PLCXD3	0.616032	0.0662787	0.0865867	0.0493078	0.00929039	0.432875	0.119504	0.186036	0	0.0112599	0.00337584	0	0.0328001	0.00625175	0.0601252
PLCZ1	0.0535967	0.160107	0.230563	0	0	0.00912738	0.0979119	0.247688	0	0.0134539	0	0.00766997	0	0	0
PLD1	5.31625	10.4008	9.11694	8.9105	5.8354	5.92974	5.44707	6.57468	11.8259	8.82733	8.98909	10.0701	5.43244	5.1975	6.87344
PLD2	7.71222	10.0407	8.90477	29.2326	19.1985	26.2042	8.8734	6.51859	22.6469	25.4244	14.7292	21.6045	45.8588	21.2113	6.47427
PLD3	15.7254	14.1045	16.6253	17.7032	29.073	54.9811	21.4441	12.6007	15.4859	16.11	43.2178	11.4305	14.6268	13.9156	21.9046
PLD4	0.196128	0.155643	0.152706	0.0237783	0.627228	0.196471	0.250277	0.184555	0.140507	0.1448	0.299546	0.0495298	0.066992	0.0723564	0.182253
PLD5	0.0403541	0.0291648	0.0222558	0.041586	0.0417892	0.0114536	0.0153583	0.0119544	0	0.0168828	0	0.0144372	0.00433937	0.00703026	0.00965892
PLD6	1.12258	1.01252	1.25557	0.481249	0.76725	0.7341	1.09715	1.1892	0.196873	0.394506	0.283864	0.366275	0.706898	0.342637	0.580379
PLEC	25.0523	31.5284	35.5711	50.0427	63.8535	79.7135	41.1469	24.6348	7.90063	20.3522	13.4217	34.0732	68.6595	38.574	47.2162
PLEK	1.93129	0.731128	1.04052	6.19654	1.61343	7.83542	1.25078	1.80291	0.256952	6.75249	9.591	0.220638	7.15176	1.50558	7.07379
PLEK2	1.93728	4.92554	6.01612	8.46177	2.38426	6.50945	2.8755	3.03283	3.1398	4.88168	6.07299	2.46313	9.60518	8.13121	3.0818
PLEKHA1	7.15436	10.0609	11.7642	7.01631	1.79959	6.71359	7.18431	8.79306	8.96065	7.58732	8.13835	5.03268	8.26465	7.35796	5.22004
PLEKHA2	4.18611	3.1818	3.78498	5.87782	2.54203	5.07674	4.47393	3.12161	6.26681	5.01626	6.4295	2.655	7.12172	3.856	3.9577
PLEKHA3	2.54958	1.88329	1.99288	2.48252	1.17938	3.43199	1.53043	2.0326	0.662117	2.23528	4.19026	0.710937	2.67913	2.00858	3.2846
PLEKHA4	5.25469	1.71076	2.03069	5.91016	6.62313	26.4108	2.95695	1.84128	0.557679	1.65821	2.16089	0.741229	2.06323	2.65999	6.26348
PLEKHA5	2.30664	2.50894	2.64161	1.9016	0.975922	1.86737	1.72651	2.17653	2.14142	2.66459	2.25484	2.0911	3.13223	2.40854	3.64207
PLEKHA6	0.714831	0.425633	0.730806	0.25413	0.683684	0.398692	0.926657	0.288513	0.0418184	0.0705212	0.0458097	0.0469044	0.134938	0.130516	0.197248
PLEKHA7	2.1347	2.20262	2.15048	2.40173	2.91368	2.43958	1.6451	1.76733	0.950168	1.54589	0.813264	1.49418	1.92779	1.37075	0.986935
PLEKHA8	0.935537	1.06348	1.23091	1.09163	0.731309	1.06088	0.851297	1.10425	2.22173	1.50264	1.43222	1.34608	1.27188	1.32916	0.967421

PLEKHA8P1	0.163327	0.282206	0.166088	0.433861	0.269282	0.703166	0.201389	0.19239	0.0157231	0.300582	0.484828	0.0710931	0.42807	0.409986	0.429507
PLEKHB1	0.880269	0.389425	0.450172	0.164935	0.733402	0.524676	0.968514	0.739638	0.0682225	0.18079	0.0903376	0.194683	0.0309788	0.146385	0.160895
PLEKHB2	7.60341	5.69123	6.52802	11.3104	4.97891	12.0082	5.97222	6.15885	9.50795	12.7104	13.3003	7.20336	16.6514	9.23848	8.11744
PLEKHD1	0.24267	0.147691	0.274716	0.0526481	0.317432	0.0870022	0.233324	0.170262	0	0.0320606	0	0.0274163	0	0.0400516	0
PLEKHF1	3.18067	1.25678	1.44225	2.00232	4.09312	4.65737	2.1121	1.44293	1.45872	2.98988	3.77086	1.26648	4.6796	2.76132	1.93035
PLEKHF2	5.64331	5.8856	6.41199	7.01411	2.59464	4.9049	5.14221	5.41071	10.5328	7.99402	7.84209	5.94242	10.3692	4.91166	3.26198
PLEKHG1	2.56257	2.04901	2.46381	2.44074	2.36988	4.41064	3.82292	2.34844	3.99711	3.20483	3.12486	2.92033	3.59112	3.88185	5.99916
PLEKHG2	1.20415	0.911554	1.10203	2.19337	2.78171	4.18286	1.67136	1.12801	1.19947	4.44475	2.92651	3.8063	4.98305	5.10839	8.14673
PLEKHG3	6.74486	8.37202	8.49355	13.845	10.8336	17.8624	7.57005	6.3667	5.94821	5.47252	3.10872	7.80676	10.0135	10.3095	5.094
PLEKHG4	1.77359	1.80769	1.71178	1.58872	4.16782	2.49761	1.37079	1.51155	0.764318	1.9749	1.21156	1.83523	1.39371	2.33876	3.10876
PLEKHG4B	0.157785	0.1035	0.0941038	0.0831918	0.49652	0.178095	0.0733185	0.158162	0.0111724	0.156587	0.144981	0.25468	0.121926	0.476573	1.11455
PLEKHG5	3.56255	12.279	13.7895	7.05624	16.693	8.50771	12.1191	5.94802	3.70887	10.2604	2.4618	9.42315	7.19694	8.75845	8.50861
PLEKHG6	1.59674	3.21437	2.5991	2.6581	5.98484	1.54125	3.23288	1.5397	3.62948	3.74852	1.97037	3.73282	5.23443	2.30761	2.07959
PLEKHG7	0.0920905	0.201374	0.123066	0.116802	0	0.0603183	0.105146	0.365143	0.0345095	0.142256	0.111956	0.0810993	0.0228524	0.192522	0.0508668
PLEKHH1	1.99514	2.31312	3.18434	0.666364	1.66004	1.15831	3.3087	2.71652	0.636445	0.358708	0.220496	0.583631	0.380717	0.792112	0.334364
PLEKHH2	2.82216	2.45013	3.19919	0.877983	1.1218	1.85612	2.34829	2.20938	0.539069	0.898057	0.79271	1.28351	0.298464	1.42454	2.84378
PLEKHH3	3.50134	5.80512	4.82762	7.37048	15.5537	8.83506	4.48527	2.92829	10.808	6.99377	4.57119	6.64003	9.47235	5.39315	2.85146
PLEKHJ1	3.48889	4.17349	4.64258	8.68467	11.4289	8.34352	3.20249	2.8779	4.40678	6.55225	11.555	4.70963	7.63011	6.00336	2.75066
PLEKHM1	2.15121	2.77452	2.84462	4.9033	6.10242	6.07503	4.41793	2.41583	7.87629	6.15068	5.13714	5.92148	8.18828	4.71193	3.43047
PLEKHM1P1	7.09946	9.04599	8.53395	5.68649	16.0357	7.32211	12.0512	7.68805	8.73364	6.29535	3.96177	9.68548	2.67287	7.97096	7.39413
PLEKHM2	9.60066	10.7289	10.7097	16.6792	25.3662	25.474	13.839	7.71471	30.1751	18.0677	16.1877	18.7496	30.6801	16.481	12.5147
PLEKHM3	2.44952	2.16714	2.30364	2.16439	1.8365	2.33691	2.61896	2.15386	2.79931	1.786	1.94204	1.59229	2.497	1.6379	1.96226
PLEKHN1	2.1946	7.06757	7.3407	8.46878	17.6056	7.28867	8.84051	3.70656	11.4085	5.96199	2.84207	9.84335	7.76624	4.92564	1.992
PLEKHO1	2.5971	1.35461	2.01891	4.67308	5.67349	9.45631	2.24985	1.44347	1.6568	5.58795	11.9414	0.713822	5.46312	3.48176	6.25182
PLEKHO2	3.37723	2.01078	2.43371	6.33898	5.81604	15.1037	3.01097	2.21651	1.5604	7.02555	8.68505	1.6644	6.52882	5.09055	9.37867
PLEKHS1	0.311816	0.038196	0.0524656	0.0653563	0.14777	1.02153	0.120685	0.371053	0.00643655	0.00663323	0.00596612	0.0226894	0.0272789	0.0386705	0.0455396

PLET1	0.982986	0.706669	1.14511	0.0846586	0.0933138	0.057448	0.737656	0.83829	0.0731619	0.0630617	0.0751209	0.133342	0.0387587	0.154955	0.729337
PLG	0.0932745	0.0635681	0.0907803	0.0621966	0.0085228	0.0934377	0.0751749	0.117028	0.00668223	0.0344321	0.0247754	0.0235554	0.0141601	0.0315437	0.0236389
PLGLA	4.50E-30	1.20E-31	9.10E-27	0	3.69E-36	1.85E-31	6.32E-28	0	1.20E-38	5.61E-45	7.41E-28	3.25E-41	1.49E-43	8.12E-26	1.53E-43
PLGLB1	0.246066	0.40531	0.337683	0.108219	0.212221	0.092962	0.158846	0.363481	0.0803914	0.0702211	0.0375365	0.163373	0.0147335	0.13417	0.294319
PLGLB2	0.230261	0.379279	0.315991	0.101267	0.198587	0.0869914	0.148642	0.340141	0.0752271	0.0657099	0.0351257	0.152877	0.0137871	0.125552	0.275412
PLGRKT	3.92294	2.60593	3.11091	9.1858	1.33412	4.74367	2.12028	3.05317	2.71396	4.66149	9.32871	3.10594	6.09552	3.16644	2.5669
PLIN1	6.34013	0.101575	0.193781	0.0563249	0.230443	2.79235	1.9078	0.680035	0	0	0.0176286	0.0223475	0	0.0652932	0.112133
PLIN2	6.22149	4.34231	5.71262	6.11589	4.04386	40.634	4.83643	5.3527	2.91529	7.5317	14.8809	1.08923	7.06017	5.4886	5.79815
PLIN3	12.3331	14.5196	14.9482	44.8746	35.5648	38.0485	14.0139	11.1627	35.4009	47.2191	28.5488	26.4669	76.0093	32.6306	14.7716
PLIN4	5.70107	0.514269	0.512316	0.394177	1.03553	2.73583	3.50212	0.812604	0.0354927	0.192031	0.0616849	0.119902	0.0916637	0.180872	0.49177
PLIN5	0.189619	0.169019	0.25883	0.586225	0.132545	0.823438	0.151551	0.219073	0.0808273	0.154695	0.107028	0	0.079522	0.0396414	0
PLK1	0.60983	0.783534	0.706292	4.31534	0.868337	4.82914	0.974798	0.505835	0.482758	2.883	5.51885	1.54177	6.24944	4.82867	1.51804
PLK2	16.799	12.1406	12.6356	40.3537	10.0324	31.4743	13.305	13.0159	56.8168	45.2574	54.6741	37.4629	79.6656	48.6325	17.7192
PLK3	2.7805	4.94792	6.709	10.4109	5.45644	5.65058	6.815	4.09375	29.5289	7.02616	9.88735	10.3654	9.52596	6.16646	4.88496
PLK4	0.63723	0.45775	0.527162	1.3671	0.0809868	1.18384	0.429927	0.592059	0.423314	1.30148	1.32754	0.44352	1.82022	1.14144	0.499169
PLK5	0	0.0173058	0.0198092	0	0.0371952	0.0101945	0.0273399	0	0	0.0150269	0	0.00856672	0	0	0
PLLP	8.14722	10.7187	13.4927	2.19856	5.49924	1.98771	12.956	6.375	3.97272	0.562699	1.48342	0.829633	0.638366	0.323195	0.688261
PLN	2.2829	0.417089	0.595724	0.197365	0.0237995	1.42854	0.944651	1.04847	0.0746392	2.32683	4.09051	0.147999	0.509094	0.660632	1.72728
PLOD1	4.6257	4.6684	5.55292	12.4061	11.73	18.6496	5.86458	4.14984	4.16741	12.6554	20.8126	5.31967	17.5775	12.7857	19.5628
PLOD2	2.17804	0.802168	0.731107	3.20814	0.602253	5.09282	1.36709	1.04384	1.01382	6.39044	9.45511	1.48093	6.6731	5.25655	8.1884
PLOD3	2.97742	2.48334	2.65607	6.08056	7.14877	11.9613	3.52379	2.50791	1.21188	4.87855	7.79293	2.41967	8.60696	6.42361	10.394
PLP1	1.24394	1.22657	1.90048	0.775112	0.415662	2.78348	2.60111	1.74182	0.431593	0.0998487	0.146957	0.0672729	0.0279971	0	0.0727045
PLP2	67.2425	79.0235	81.2138	159.183	57.7266	154.542	110.854	71.1535	113.953	123.593	155.248	123.475	186.325	91.7157	46.051
PLPBP	2.5538	2.45808	2.20517	5.38481	1.80066	5.60672	2.26415	2.25914	1.27563	2.25255	3.56046	1.30101	3.89523	2.82936	2.70421
PLPPP1	10.4745	5.62986	5.40448	5.48805	7.59191	20.4332	8.23024	5.67232	10.7848	8.21973	16.4427	5.84708	8.80654	9.19692	19.3833
PLPPP2	6.04258	8.24656	10.4976	5.41752	11.4277	4.15473	11.7114	6.87378	6.77043	5.47946	3.49592	5.80446	10.4094	3.21339	1.93083

PLPP3	24.7661	18.9946	27.1904	15.234	11.2694	37.19	24.6347	17.5956	2.02787	10.7653	23.859	4.53033	8.44088	11.9603	30.8853
PLPP4	0.151262	0.160337	0.225242	0.0467639	0.140977	0.051519	0.138165	0.295744	0.128954	0.341728	1.16114	0.0649391	0.224465	0.276696	1.10788
PLPP5	2.1948	1.78005	2.16462	2.2779	1.38313	3.04602	1.71225	1.7076	1.28419	2.07828	3.0067	1.40278	2.16191	2.10233	2.93889
PLPP6	2.385	2.45547	2.2751	2.91415	1.87047	2.85105	2.11995	2.17482	5.17541	1.59909	3.0344	1.75656	2.61644	1.80276	1.31651
PLPP7	0.397685	0.212901	0.255883	0.273217	0.669221	1.03468	0.302709	0.166897	0.0403613	0.693244	1.62116	0.102756	0.342112	0.571581	2.12586
PLPPR1	0.0259451	0.0333354	0.0143091	0.0089124	0.0134339	0	0.00987443	0.0230579	0	0	0.0195259	0	0	0.00452002	0
PLPPR2	3.96545	5.02451	4.25767	6.50362	12.7912	12.8093	7.66806	3.56165	18.7014	11.1401	15.7439	9.4298	15.0838	6.43804	7.69417
PLPPR3	0.174518	0.256928	0.272706	0.0699401	0.78314	0.0743	0.675267	0.301578	0.0236159	0.0973503	0.0766147	0.187309	0.00625546	0.157085	0.668347
PLPPR4	0.640558	0.739381	0.934024	0.422663	0.450975	1.2125	0.79977	0.536511	0.673491	1.63685	3.56353	0.577043	0.764131	1.6691	3.55395
PLPPR5	0	0.00555451	0.0143055	0.00594012	3.84E-12	0	0.019744	0	0	0.0434076	0.019521	0.0041244	0	0	0.0165561
PLRG1	4.14205	3.63611	3.4551	7.23013	2.10899	7.71108	2.68332	3.03799	6.58898	6.15018	8.15352	4.024	8.75562	5.4787	3.29593
PLS1	0.465328	0.310641	0.32002	0.381316	0.0696689	0.615812	0.281651	0.38365	0.204837	0.218133	0.164551	0.120345	0.415978	0.348685	0.11272
PLS3	26.4324	25.4567	28.1159	47.764	15.479	38.1486	21.9062	21.9083	67.4322	76.7324	69.2008	41.1207	92.4868	45.4412	30.8974
PLS3-AS1	0.0671462	0.0700961	0.111096	0.0807288	0.139068	0.019058	0.114998	0.0696196	0.0817765	0.0561836	0.0757997	0.0400374	0.0216612	0.0877338	0
PLSCR1	4.11548	2.34618	2.49498	18.4214	1.90319	23.8882	2.4511	2.76407	1.35189	7.16317	12.3891	2.64502	9.91184	4.59196	8.96331
PLSCR2	0.0768022	0.0246696	0.0741255	0.197867	0.139184	0.217987	0.160765	0.0568795	0	0.0642631	0.10115	0.064113	0.0660698	0.0602102	0.183829
PLSCR3	4.86459	4.04955	3.41965	14.7749	16.3544	14.3737	5.08364	2.35252	11.331	15.6757	18.8386	12.5915	25.6743	9.93252	9.98579
PLSCR4	7.73122	3.77988	3.68989	4.36828	2.17189	10.1654	5.19377	4.28444	0.916919	2.29485	4.8566	1.14078	2.46958	2.39067	6.26021
PLSCR5	0	0.0052106	0	0	0	0	0	0	0	0	0	0	0	0	0
PLTP	15.8565	7.50128	7.50115	68.7664	28.5816	176.559	23.7374	13.8349	2.7551	15.9626	48.34	10.0147	7.3517	17.6367	23.585
PLUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLVAP	20.9935	6.04479	6.00792	23.9738	17.3036	51.1467	11.3885	8.92692	9.46861	17.1079	31.0469	15.1436	28.8461	28.6272	39.0065
PLXDC1	1.55828	1.27139	1.59584	1.21652	4.73717	4.56619	1.83703	1.82826	0.536483	2.13717	5.87952	1.11756	1.38991	2.54587	10.6097
PLXDC2	10.8265	9.64296	11.3503	8.27551	6.41722	9.97613	11.9108	11.6778	19.2134	14.3889	15.5121	10.7494	16.3465	7.94218	12.21
PLXNA1	5.71046	6.86432	6.58036	10.1912	17.4155	13.4503	7.97441	4.23104	3.73694	7.10313	4.98825	6.21574	13.9238	8.43595	9.26776
PLXNA2	2.92044	4.997	5.51127	2.64486	5.57631	3.39943	6.20016	2.60802	3.66022	2.3404	2.0548	3.66557	4.92593	4.17632	4.59204

PLXNA3	1.4533	3.93213	3.91588	3.52163	5.86197	3.8875	4.64533	2.26938	1.53201	1.63475	1.88823	3.52919	1.58341	1.47791	3.88873
PLXNA4	1.52115	0.486196	0.652181	0.549351	0.930685	3.43691	1.08528	1.02625	0.0548643	0.107428	0.172905	0.218114	0.363315	0.447345	0.808696
PLXNB1	8.57537	13.2477	10.4474	15.5566	29.0759	13.5563	11.3146	8.47716	8.72706	9.19897	3.98243	17.6396	12.4803	12.6728	7.21756
PLXNB2	14.1306	16.8818	19.07	29.4214	38.9794	42.4542	18.5573	13.5094	11.8793	19.95	13.4979	19.1316	37.201	18.1729	19.5326
PLXNB3	0.805671	1.16979	1.07482	1.08084	4.50422	1.75522	1.71547	0.8676	0.897237	1.08408	0.577655	1.97354	0.995139	1.72794	1.25607
PLXNC1	1.35482	2.10869	2.56787	3.29484	2.24061	3.1845	1.70182	2.2672	0.679664	4.77091	8.92654	0.689389	4.1667	2.03881	5.12595
PLXND1	9.45691	4.92087	5.576	9.43797	18.6882	27.9279	11.4149	5.63052	1.98758	7.84354	13.1096	3.98975	11.5482	10.8959	25.9336
PM20D1	0.222631	0.158347	0.0526218	0.262203	0.181146	0.144433	0.363133	0.348604	0.0645571	0.279425	0.0119678	0.227569	0.0205201	0.0387856	0.334952
PM20D2	2.35261	2.41614	2.38101	2.82935	1.05284	2.69327	1.64309	2.14755	0.675929	0.764392	1.17543	0.955895	1.74289	1.36049	1.16384
PMAIP1	0.812876	1.13465	1.43394	1.04712	0.779889	0.743047	0.996359	2.57095	2.14013	2.28054	2.75291	2.66012	4.02603	1.86807	0.875544
PMCH	0.120918	0.0166019	0	8.59E-34	0	0.141103	1.64E-26	0.0776587	0.0367959	0.0423427	0.099994	1.16E-36	0	0.174157	0
PMCHL1	0	0	0	0	0	0	0	0.0358946	0	0	0	0	0	0	0
PMCHL2	0.0251282	0.0181607	0.0519695	0.038843	0	0	0	0	0	0	0	0	0	0	0
PMEL	4.49829	7.71229	5.93844	7.23504	16.146	44.3154	14.256	6.77179	6.72001	0.646366	1.54238	4.14362	1.13921	0.406481	0.905622
PMEPA1	5.4911	3.46409	4.12614	6.21741	8.01009	5.32511	5.04185	3.80261	3.49959	8.28015	13.5475	5.05214	14.4077	10.6784	15.3283
PMF1	9.95755	8.58427	8.90455	13.0579	11.0513	15.8226	9.85102	7.40655	11.6015	12.9998	19.5303	8.89668	12.5712	7.55321	5.72754
PMF1-BGLAP	0.542913	0.188212	0.147368	1.21067	0.302092	0.571476	0.445638	0.362297	0.739397	0.420428	0.958481	0.00095828 9	0.845537	0.584485	0.595301
PMFBP1	0.201669	0.32389	0.227502	0.541607	0.588552	0.265383	0.146529	0.179227	0.133969	0.230105	0.186267	0.419781	0.319375	0.396053	0.193081
PML	3.67994	3.71833	3.87931	11.0456	7.51273	15.8511	4.16047	3.71092	1.60245	2.43189	3.20466	2.54927	5.59749	3.73825	6.02258
PMM1	4.31114	3.97183	3.62617	3.73637	10.1991	8.92376	4.67517	2.66113	10.5669	6.92779	9.91674	4.7239	5.78417	4.7892	3.34177
PMM2	4.98129	5.06413	4.37636	13.9935	8.80545	11.8253	6.08559	4.39154	8.33557	8.36521	11.0891	7.03582	14.9961	9.55462	8.74189
PMP2	0.0513434	0.012369	0	0.0661386	0	0.169408	0.0366389	0.0285186	0.0547142	0	0.00724504	0.0551064	0	0.0100629	0.0460848
PMP22	20.1433	9.92913	13.623	14.2923	6.10365	32.712	32.0081	15.902	1.95537	17.0092	33.5903	5.07894	21.406	15.3858	31.3255
PMPCA	4.60517	4.9461	5.71458	8.86535	8.36216	12.1267	5.45276	3.85584	8.37393	5.4722	5.33104	5.87322	9.23	7.01996	4.21004
PMPCB	4.86303	4.2988	4.57399	4.84343	1.73953	4.40023	2.81197	4.06307	5.04193	3.75195	4.91203	2.92759	3.93631	3.30337	2.44614

PMS1	1.27945	1.26341	1.06593	1.3418	0.505634	0.973944	0.671052	1.1893	0.53409	0.947613	1.49537	0.857249	0.913	1.28777	1.16869
PMS2	2.3076	3.08502	3.24955	3.21597	1.88092	3.0153	2.40923	2.21053	1.71406	1.82143	1.81422	1.52532	2.46061	1.74719	1.26303
PMS2CL	2.32772	2.09669	1.98668	1.63142	1.89716	2.30252	1.17307	1.90199	1.27482	1.57276	1.27375	1.15254	1.30369	1.83449	2.20238
PMS2P1	2.50021	2.86932	2.80919	3.05419	2.84748	3.64344	3.1847	2.36198	1.52118	1.56685	2.56015	1.40327	1.92371	1.24998	1.64689
PMS2P2	0.973159	0.458174	1.29775	0.719353	0.38282	0.999845	1.01685	0.954202	0.309765	0.446088	0.701508	0.382743	7.36E-05	0.719926	5.18E-12
PMS2P3	3.16858	3.35319	2.9979	2.70869	4.69832	2.88943	3.2762	2.63816	0.970282	1.52748	1.65231	1.59948	1.01589	2.90126	2.60126
PMS2P4	1.73126	2.19297	2.25832	1.42624	1.42274	1.26932	1.68646	1.97666	0.632674	1.12993	1.2253	0.992752	0.444148	1.27123	1.34289
PMS2P5	2.0516	2.3188	2.53972	1.28124	1.32557	1.20465	2.26352	2.44636	0.354785	0.505558	0.769123	0.970011	0.438347	0.943798	1.4357
PMS2P7	6.94217	5.02132	4.25063	3.20028	3.72375	3.16547	4.30751	6.45555	1.37557	1.29662	2.26297	1.2147	0.511757	1.64114	1.8633
PMS2P9	8.79421	12.5926	12.0911	4.83132	9.07478	3.97271	12.7013	12.0914	1.68078	2.75838	0.900545	5.29355	1.08162	7.06687	8.57075
PMVK	9.56502	11.906	7.2346	18.4689	38.0718	20.3919	8.35911	5.53497	44.0384	19.4788	25.0541	22.3641	21.5207	10.4944	5.30873
PNCK	0.119356	0.103513	0.148109	0.0983995	0.11124	0.558964	0.28618	0.0742513	0.0145362	0	0	0.0341609	0	0.0748565	0
PNISR	7.47251	7.08478	7.01347	4.32154	2.18659	4.4105	3.49596	5.31427	2.41822	3.14355	3.11363	2.96287	3.02057	4.51787	5.27216
PNKD	1.8601	1.67335	1.90689	3.3243	2.73578	6.36167	2.2508	1.35104	1.0913	1.76841	5.05769	0.840134	2.21285	1.76347	2.73346
PNKP	3.99389	4.03653	4.38312	6.99828	12.4078	8.8969	4.80576	3.25066	5.12615	5.8904	7.98494	5.79245	9.00592	7.54831	8.70982
PNKY	0	0	0	0	0	0	0	0	0	0.0186198	0	0	0	0	0
PNLDC1	0.0953861	0.0114896	0	0.0122873	0.0555628	0	0.0816816	1.07024	0.0871271	0.0149649	0.161519	0.00853141	0	0.0498529	0
PNLIP	0	0	0	0	0	0	0	0	0	0	0	0	0.0100012	0	0
PNLIPRP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PNLIPRP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PNLIPRP3	5.87601	1.02424	0.788054	9.1141	1.09031	1.48563	1.23648	2.44174	29.8465	15.0017	10.731	10.0447	13.6832	4.64851	0.763226
PNMA1	4.35191	3.02077	3.39013	6.54217	7.33129	9.80454	3.38923	2.45131	4.95888	5.72586	6.9095	3.35826	9.83588	5.39564	5.09297
PNMA2	0.200579	0.19331	0.185797	0.123037	0.370916	0.524572	0.327165	0.314265	0.0988766	0.14985	0.113215	0.0341714	0.231094	0.242111	1.06307
PNMA3	0.148076	0.115936	0.117395	0.0254328	0.134174	0.189127	0.0704452	0.109665	0	0.00774378	0	0.00441468	0	0.0290216	0.13291
PNMA5	0.188428	0.457181	0.567854	0.0277401	0.114987	0.0229206	0.368814	0.364823	0.0245876	0.126695	0.0379843	0.192608	0.0043419	0.0281374	0.0483227
PNMA6A	0.126992	0.105241	0.105057	0.0680519	0.497102	0.281144	0.179794	0.0812592	0.0247459	0.11476	0.258045	0.0254426	0.114709	0.0743363	0.255327

PNMA6E	0	0	0.00721929	0	0	0.00743062	0	0	0	0	0	0.0124883	0	0	0
PNMA6F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PNMA8A	0.363175	0.356001	0.145042	0.535584	1.19636	0.687791	0.22163	0.166945	0.0457559	0.762324	1.1027	0.0179215	0.642357	0.425439	0.233805
PNMA8B	0.548925	0.59508	0.782527	0.257588	0.997319	1.41473	0.621148	0.452993	0.0895351	0.141482	0.331965	0.084165	0.139136	0.227977	0.246352
PNMT	0.132498	0.138319	0.200955	0	0.343026	0.0376069	0.126069	0.215881	0	0.0831495	0.0747871	0	0	0.0230831	0.15857
PNN	10.0633	10.3343	10.0347	8.29378	6.32051	8.01137	3.25354	5.58394	3.61895	4.17257	4.24559	4.89988	6.88203	8.87545	6.67308
PNO1	1.98757	1.91873	1.93999	3.61023	0.777399	3.49437	1.59997	2.03325	2.87342	2.11773	3.46244	1.76491	4.34991	2.91832	2.27942
PNOC	0.155438	0.124821	0.171453	0.0355964	0.187794	0.014706	0	0.107443	0	0.0433536	0.0584902	0.0123578	0.144861	0	0
PNP	5.48703	4.96507	3.29769	39.1779	12.2355	17.5816	3.92922	4.01837	38.7916	41.9446	41.3413	24.8221	66.5917	30.836	13.646
PNPLA1	1.06855	2.94749	3.18971	2.03717	6.79149	0.74305	3.58895	2.37409	13.3933	1.91113	2.09086	4.05865	1.25245	1.01921	0.601042
PNPLA2	12.1103	8.69266	8.7642	9.89556	26.7952	20.7778	15.6345	8.11857	22.1002	6.55859	13.3588	10.9509	11.0496	7.97899	7.47715
PNPLA3	1.06433	1.69745	1.65177	1.11383	1.71736	0.948417	4.23914	1.20986	3.66765	0.341728	0.381872	1.42276	0.393922	0.957296	0.319922
PNPLA4	1.26046	1.38375	1.26053	1.84976	0.855047	2.58807	2.25893	1.40379	1.5351	1.21154	2.26044	1.39851	1.19928	1.17162	0.687411
PNPLA5	0.0182229	0	0	0.0375584	0	0	0.0104031	0.0242925	0.0110967	0	0.0102857	0	0	0.0142861	0
PNPLA6	2.89058	4.07396	3.84585	8.06837	11.1894	10.1195	4.60896	2.51572	5.23576	5.42464	3.94898	4.64373	9.81781	6.346	5.20227
PNPLA7	1.46735	4.106	4.42858	0.531961	3.1925	1.65641	4.34397	2.46369	1.08854	0.107981	0.25899	0.495895	0.0894303	0.31975	0.919801
PNPLA8	3.15989	2.58082	2.61408	3.55849	0.780717	3.08686	1.62593	2.96541	5.85474	5.57227	6.13086	3.63624	4.5549	2.88709	3.335
PNPO	3.63343	3.63	3.06661	8.8653	7.62558	7.2625	4.20191	3.06288	5.9381	4.18309	6.4692	5.23786	5.3651	3.84684	3.80803
PNPT1	3.0606	2.26291	2.20475	4.07546	0.805151	4.44699	1.74028	2.41592	1.49085	2.40981	3.02996	1.61843	3.44729	3.2274	2.45772
PNRC1	51.8956	59.5748	64.4199	66.8526	77.1398	73.2162	53.3187	70.3619	46.9893	38.4296	65.1854	32.5522	46.8184	26.5842	31.8807
PNRC2	11.8687	9.60325	10.2866	19.295	4.75053	21.3386	7.19162	12.7291	16.9651	13.9699	20.4979	6.74315	23.5605	11.0534	10.1058
POC1A	0.357303	0.309878	0.312477	1.8621	0.666018	2.05144	0.512861	0.308469	0.298392	0.922531	1.08329	0.672021	2.31189	1.61132	0.674403
POC1B	1.96948	1.35566	1.81774	1.67926	0.702694	1.57696	1.22727	1.79177	2.04934	2.00881	2.07705	1.61089	2.18747	1.7357	1.59917
POC1B-AS1	0.598767	0.731302	0.921567	0.401798	0.800312	0.497986	0.699552	0.470258	0.237424	0.332065	0.408704	0.458325	0.134763	0.465774	0.379958
POC1B-GALNT4	0.400729	0.218755	0.39206	0.232591	0.18078	0.381169	0.187616	0.245487	0.0487264	0.0406974	0.192943	0.08802	0.192586	0.131326	0.673988
POC5	1.25991	1.07974	1.05083	1.607	0.384998	1.49488	0.471646	1.21148	0.553399	1.24431	1.31736	0.798046	1.51916	0.744841	0.593241

PODN	11.1348	5.88041	8.5895	1.19353	12.667	13.6621	12.7519	7.01244	0.362941	2.26118	5.87961	0.513698	1.477	1.09734	19.8332
PODNL1	0.552095	0.903189	0.870978	1.3496	3.35059	1.37751	1.51727	0.467835	2.63483	2.42528	4.26851	2.14515	3.02363	1.31525	1.99141
PODXL	9.49081	3.438	3.80731	6.19757	7.08884	14.3318	6.00543	4.61944	3.74927	6.48513	6.71478	5.03086	9.60935	11.1217	23.0057
PODXL2	2.30488	1.23167	1.56007	1.65187	2.42482	2.75652	1.37563	1.12661	1.13559	0.644318	0.650479	0.652184	1.03421	0.739204	0.25578
POF1B	16.6546	26.8121	40.858	16.8318	6.84406	8.37774	29.0828	31.5599	47.8892	13.969	20.9705	17.3271	7.1069	4.11681	1.60662
POFUT1	4.2891	3.41518	3.59194	5.91282	3.89083	8.60833	4.1305	3.06419	2.47629	3.44681	5.11867	2.6182	5.51757	3.81498	4.13355
POFUT2	1.59706	1.69795	1.82753	1.44379	2.71104	3.88827	1.62693	1.07512	0.524113	1.18228	1.56538	0.86903	0.897759	2.30164	4.0378
POGK	5.448	6.25997	6.77846	6.02497	4.91534	5.90462	6.02014	5.1428	5.12556	3.78659	4.17504	3.75842	5.90113	4.21368	3.64586
POGLUT1	2.56935	2.57299	2.36519	3.06313	1.08581	1.96256	1.7616	2.27782	2.05544	2.24471	3.93841	2.13132	1.97871	2.1953	2.19766
POGZ	6.88776	8.48816	8.48328	6.6301	6.39121	7.89905	7.43347	6.14302	3.65401	4.64242	5.79996	5.32563	5.42417	6.17195	7.16788
POLA1	2.9121	2.47192	2.62215	3.40768	1.65195	2.85102	2.21979	2.3665	1.17377	1.50683	1.7539	1.25734	2.34255	1.9736	2.18951
POLA2	1.4668	1.72116	1.77099	2.7319	1.48558	3.34758	2.48041	1.52039	0.902496	1.09701	2.35231	1.01967	2.59079	1.57236	1.58268
POLB	3.95548	3.14292	2.8704	7.99158	2.39841	8.62692	2.37697	4.30162	16.9029	3.91937	5.01361	3.16542	11.2268	2.77455	2.8652
POLD1	1.59945	1.89986	1.84705	5.0323	4.30983	5.15857	2.32561	1.14297	1.32779	2.29426	1.72451	1.84513	4.44372	2.69547	2.02512
POLD2	7.07013	8.13983	7.00043	20.3825	15.3222	17.7104	9.75318	5.34883	10.8425	10.3693	15.1939	10.5979	16.6567	11.8284	6.09787
POLD3	1.83223	1.56373	1.5712	2.98193	1.16273	3.9193	1.42867	1.57372	0.870808	1.7107	2.32059	1.09917	2.51565	2.03783	2.11789
POLD4	3.76895	5.20788	5.34844	10.4071	15.0741	13.9957	5.14967	3.23707	15.0697	12.2955	20.8707	8.96656	11.1819	6.94807	5.66529
POLDIP2	10.7336	10.1992	10.2799	21.1806	16.6203	30.9964	12.9444	8.45846	23.8719	18.4009	25.3499	13.7369	26.8167	13.9531	9.09626
POLDIP3	8.54273	9.37505	9.48507	13.3454	13.9391	18.1596	9.44358	6.78522	8.79795	8.21829	7.63122	6.88076	10.6942	7.22197	7.50007
POLE	3.33919	4.98402	5.31436	3.65267	5.11955	5.34192	5.96479	3.88742	1.92247	1.80341	0.943199	2.83197	3.14118	3.12777	2.63649
POLE2	0.890574	0.629335	0.59922	1.00342	0.202894	1.17286	0.460962	0.949761	0.766464	0.983631	1.62196	0.501287	1.18749	0.868846	0.699174
POLE3	8.07622	6.42074	6.26311	13.1641	4.98608	13.0764	5.75921	6.43725	7.716	7.56419	11.3145	4.80778	11.5565	7.57136	3.93782
POLE4	6.63588	3.70629	3.49591	15.378	14.0515	15.8266	4.52336	2.58195	6.95594	12.3895	21.467	6.9923	12.0775	8.97246	4.88351
POLG	5.28157	6.17655	6.486	8.31448	10.8728	9.32479	5.84568	3.87503	5.21106	5.49111	3.03741	6.01943	8.30577	7.70441	5.47321
POLG2	2.32302	2.16858	2.45025	1.3017	1.64635	1.14972	1.17698	1.09677	0.654246	2.05916	2.08153	1.63101	0.646357	1.30517	1.64722
POLH	1.67174	2.05653	2.2285	2.48522	2.59927	2.64281	1.71663	1.71468	1.34696	1.5822	1.98148	1.28232	1.49243	1.8053	1.59613

POLI	1.18556	1.32689	1.28982	1.18357	0.316521	1.27237	0.43711	1.11124	0.43993	0.995871	1.35229	0.430776	0.549784	0.835848	0.953283
POLK	1.72719	1.66647	1.75254	1.35425	0.35929	1.15777	0.932959	1.70596	0.571295	1.37014	1.77653	0.767185	1.04717	1.44389	1.99306
POLL	2.01384	2.14242	2.16579	2.5983	5.14274	3.30606	2.51088	1.46042	2.13869	1.87041	2.75533	2.09803	1.98016	2.37027	2.19802
POLM	2.38771	2.94216	3.01631	2.77649	6.79136	3.96317	3.00252	2.05748	1.38521	1.38704	2.28565	2.49922	1.42604	2.4832	3.55649
POLN	0.258028	0.348887	0.482172	0.409556	0.442551	0.416895	0.163611	0.275878	0.164508	0.278807	0.20346	0.224941	0.159284	0.289103	0.214362
POLQ	0.329485	0.228602	0.294379	0.831204	0.131022	0.630682	0.340081	0.269394	0.0834654	0.443313	0.580239	0.369665	0.505095	0.833465	0.40883
POLR1A	3.22031	3.18891	3.19418	5.85717	3.82078	6.73612	3.60638	3.20396	1.84161	1.90927	1.80947	3.33943	4.83945	3.45344	3.56895
POLR1B	2.42595	2.05216	2.04573	3.78352	2.11004	3.77788	2.29523	1.88745	2.70946	1.48322	2.23134	2.58789	4.00493	3.21126	1.64883
POLR1C	2.36919	2.56069	2.54265	3.63872	2.55764	4.76682	2.13063	2.24374	2.23925	2.81285	4.53325	2.21229	3.72408	3.49001	1.86544
POLR1D	7.24943	8.15997	7.67089	14.5072	6.39228	13.7485	6.326	6.46996	11.8623	11.3975	17.518	8.85	16.5286	8.94357	4.41317
POLR1E	4.38799	4.16021	4.30335	7.31772	4.63564	8.93911	3.50164	3.18684	4.59703	2.91653	4.95347	3.48577	6.25586	5.3018	3.10003
POLR2A	19.2618	22.3891	20.2622	29.7465	34.4179	50.1161	29.2829	24.487	49.1178	22.1193	17.3163	34.7139	47.92	20.0982	20.8751
POLR2B	10.4178	9.29418	9.92408	14.5482	3.89032	15.6787	7.05815	8.16771	7.79556	9.95981	10.319	6.6347	14.4754	10.2627	9.25543
POLR2C	9.30084	7.10825	8.21434	12.4668	6.6757	15.1072	8.97888	5.95138	9.31188	9.53202	16.8137	4.80996	11.8113	9.06497	8.34593
POLR2D	3.45404	3.02147	3.03035	5.01611	2.65946	7.23825	3.32999	2.82197	3.33378	2.94842	5.0341	3.07686	5.35617	3.87578	3.04488
POLR2E	9.04206	8.045	7.47987	16.2963	16.3452	26.7569	10.8804	6.53238	11.1363	11.1294	20.4067	9.60028	17.8044	13.0654	7.23058
POLR2F	2.40125	1.69554	1.62686	3.4274	3.3977	4.8648	2.53683	1.61892	2.53789	2.36428	5.07869	1.69841	2.55542	2.18903	1.45669
POLR2G	9.81575	9.4854	8.71501	25.0748	9.40605	29.2176	11.3967	7.42105	10.4054	20.024	38.9543	9.95151	14.2182	12.9915	9.49043
POLR2H	3.69304	4.91105	4.654	8.60107	8.3754	9.6224	3.75277	2.61471	4.52769	6.55101	9.53307	6.02481	6.12361	7.42463	4.86169
POLR2I	6.7471	6.25551	5.38153	11.5928	6.85931	15.1007	7.92166	4.518	13.5374	9.7193	17.4932	8.4983	8.96201	5.56514	3.46847
POLR2J	8.1282	6.33742	6.0149	14.5052	6.22559	12.2269	10.9473	5.1738	14.4446	10.1461	21.4674	8.24739	5.07591	9.65686	5.93635
POLR2J2	8.01847	7.58698	9.58735	2.78597	7.24324	10.338	9.08809	7.61838	2.63199	3.74648	5.18779	5.93372	3.06849	4.99613	4.46964
POLR2J3	6.66158	4.26106	3.30154	6.56284	1.52102	7.0014	4.26233	4.33125	5.18442	3.86047	8.35712	7.82103	9.42291	2.96237	4.96592
POLR2J4	1.32887	1.23593	1.41139	0.411551	1.07668	1.075	1.68266	1.08089	0.327642	0.68055	0.403052	0.651118	0.239465	0.817631	0.781859
POLR2K	9.70054	7.33809	7.05882	9.65282	1.7771	10.3299	5.68755	6.52402	13.8751	12.1453	26.0718	6.94099	10.7952	7.37444	5.95584
POLR2L	18.9953	16.306	12.5889	45.4939	35.3336	46.5656	21.5374	12.9135	42.568	36.8723	68.3859	40.5858	34.6192	29.1757	16.2388

POLR2M	2.15401	1.57945	2.00423	1.46097	1.64845	4.08182	2.02329	1.79645	1.48833	2.12766	3.92782	0.89247	2.0804	1.13369	2.33163
POLR3A	2.58463	2.58642	2.48445	3.22428	2.69822	3.79567	3.04662	2.3869	2.19623	2.93752	2.06327	2.21625	3.84828	3.08633	3.10072
POLR3B	2.37512	2.40747	2.08631	3.43639	1.58815	2.66528	2.31675	2.47894	2.99482	1.9018	2.38528	2.10088	3.58244	2.38951	1.67161
POLR3C	3.12572	2.56468	2.58582	3.24491	1.6483	4.41462	2.7392	2.27561	2.19838	2.80119	3.85406	1.56806	2.79809	2.04656	2.27759
POLR3D	1.93159	3.09837	3.04701	4.45093	5.49767	7.42678	2.86294	2.16445	4.04739	3.22241	4.84861	2.7127	4.72956	4.00677	4.47976
POLR3E	4.16835	5.81001	5.55741	4.28282	6.7736	5.45069	4.67432	4.08487	4.41933	3.33988	2.47882	3.87913	4.65444	4.55814	3.12676
POLR3F	2.48957	1.77048	1.63116	2.25771	0.510466	2.25551	0.966454	1.99127	2.02539	2.14977	3.37251	1.6246	3.37955	2.11828	1.54455
POLR3G	1.29629	1.26272	0.413801	2.70078	0.536228	1.44571	0.386104	1.14578	3.74092	3.69608	4.15147	3.99242	5.34999	2.76891	0.97129
POLR3GL	6.67362	4.08982	4.82675	4.48436	3.39487	10.4678	3.85443	3.17359	1.97252	3.52677	7.57776	1.32643	2.56837	2.50886	3.1667
POLR3H	3.51488	4.70881	4.58761	6.1465	9.58782	10.1226	4.47475	3.15477	4.78072	3.61292	4.34835	4.51622	7.05293	4.48651	4.4341
POLR3K	1.8256	1.94866	1.95173	4.80465	2.92305	6.38532	1.95614	1.57252	1.7445	2.85534	6.59482	2.15032	3.89603	3.25876	1.33107
POLRMT	4.29364	4.58058	4.83174	4.53142	11.3713	8.16762	4.83976	2.84699	5.38494	2.82061	2.39943	3.98299	4.58956	3.69551	2.94754
POM121	5.44291	6.78099	7.08744	6.42356	7.19642	10.0631	8.61542	7.15484	4.92242	3.68358	3.62014	4.51376	8.17367	6.10022	4.96607
POM121C	5.63535	7.07573	7.56493	8.37122	7.90313	13.2556	9.12574	6.61477	6.44266	5.05462	6.18783	6.71531	11.8423	6.47574	5.86339
POM121L10P	0.17563	0.183345	0.219083	0.108403	0.28205	0.241232	0.180675	0.177518	0.0325738	0.0436516	0.0570618	0.0812107	0.0311645	0.140344	0.243543
POM121L12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POM121L1P	0.0257779	0.0711755	0.0672449	3.80E-12	0.0447796	0.0709446	0.168494	0.0608941	0.0305347	0.035992	5.52E-37	0.0515875	0	0.0851761	0.11413
POM121L2	0	0.00703513	0.00603961	0	0	0.00621641	0	0	0	0	0	0	0	0	0
POM121L4P	0.010908	0.0117462	0.0180021	0	0.0407119	0.0479234	0	0.0210488	0	0	0	0	0.00689053	0	0.0161915
POM121L8P	0.152918	0.0682051	0.088176	0.037895	0.0373657	0.0434112	0.0485362	0.153884	0.00825535	0.0117818	1.51E-25	0.0227105	0.0102389	0.0552525	0.0651259
POM121L9P	0.17104	0.0868058	0.086504	0.155184	0.149164	0.685639	0.129942	0.123996	0.0192474	0.0354169	0.0461533	0.0869289	0.025289	0.127354	0.256224
POMC	1.02789	1.14058	0.966297	0.898773	2.78207	2.93071	1.58259	0.567478	4.49528	0.762335	2.16249	0.735481	0.221063	0.219772	0.111832
POMGNT1	4.37876	4.12708	4.4794	6.86796	6.05032	10.0278	4.09946	2.88157	2.86809	4.19175	6.4502	2.58821	5.93376	5.38062	4.32574
POMGNT2	2.15495	1.83663	2.352	1.90349	2.27847	4.07072	3.42189	1.47256	4.20138	1.44325	2.5451	1.28925	1.8986	1.131	1.22231
POMK	3.90708	3.7856	3.27941	6.50975	5.62606	6.37438	4.60751	2.9147	2.36183	3.86577	6.43886	2.65278	5.57524	4.35977	3.27654
POMP	9.48849	6.57897	5.87078	20.7153	3.91233	18.546	4.70242	6.75733	11.498	20.4183	37.0336	8.29674	19.766	13.7265	8.18965

POMT1	2.25069	2.59102	2.71097	1.62049	2.91807	3.68977	2.38474	1.69619	1.39612	1.55931	2.18843	1.64908	1.92068	2.00443	2.44791
POMT2	1.44822	1.44131	1.48089	1.29181	3.44445	2.61183	1.43125	0.894611	1.26645	1.72231	1.44189	1.93998	1.29588	2.16648	2.47534
POMZP3	3.3206	1.81692	1.86878	5.65012	5.11095	5.96727	2.60858	3.11744	2.08248	2.28321	3.07473	1.45577	4.15887	2.09708	1.99795
PON1	0.0540936	0.0390947	0.0447501	0	0.0280087	0.0383833	0.0205874	0.184283	0	0	0	0	0	0	0.0129475
PON2	13.3626	7.8069	6.40114	10.627	4.10785	11.533	5.57554	9.08998	13.2237	9.02665	19.1284	8.13959	7.95339	7.3933	5.94798
PON3	0.913286	0.898795	1.35032	0.280348	0.271656	0.380553	0.443728	2.55584	0.851959	0.170721	0.789691	0.250269	0.0250744	0.101558	0.195344
POP1	0.761572	0.911499	0.910928	1.63963	0.941867	2.48235	0.852924	0.775974	1.00431	1.25417	1.15542	0.912836	2.54443	1.69607	0.585171
POP4	2.88173	2.67375	2.35444	4.59707	1.95406	4.97587	3.08653	2.13288	3.85733	4.09836	8.27885	1.74915	3.82217	2.59723	2.11411
POP5	3.72716	3.95354	3.22678	7.0864	3.76995	7.99558	3.72773	2.23394	3.34287	5.62082	10.6329	2.68755	4.5858	4.74158	3.11202
POP7	7.82195	6.86748	6.90226	9.87762	13.5774	13.8492	9.49789	4.74468	21.4719	7.44872	16.3425	8.15536	10.8303	6.16459	3.92274
POPDC2	0.719541	0.403416	0.411267	0.296603	0.690939	0.657239	0.672176	0.267414	0.286796	0.509019	1.47686	0.168497	0.405159	0.492301	0.901834
POPDC3	0.0847731	0.02334	0.0100186	0.112321	0	0.195926	0.0138273	0.043051	0.0147492	0.395196	1.25775	0.0866534	0.273476	0.234189	0.173921
POR	7.36244	8.83041	8.47339	23.3915	23.0598	23.4832	10.4469	7.56368	37.0395	16.0054	20.9402	19.0643	22.6337	14.8303	10.2808
PORCN	2.03947	1.65001	1.84057	2.46139	3.06635	4.67113	2.71462	1.53142	5.63183	2.91564	6.29134	2.91858	2.32913	2.55934	1.5976
POSTN	13.2284	8.71274	7.1484	10.556	40.416	30.2869	4.14341	20.6284	13.9177	172.075	332.992	19.4988	10.554	37.119	133.075
POT1	1.52349	1.23205	1.43402	1.51452	0.158882	1.53559	1.20472	1.48791	0.708083	1.39863	2.02369	0.712608	1.17745	0.917227	1.52304
POT1-AS1	0.0111372	0.00268303	0.0184269	0.0114772	0	0	0	0.00989779	0	0.0279566	0.0377175	0.00398447	0	0.0145519	0.0559804
POTEA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POTEB	0	0	0	0	0	0	7.50E-07	0	0	0	0	0	0	0	0
POTEB2	0	0	0	0	0	0	7.50E-07	0	0	0	0	0	0	0	0
POTEB3	0	0	0	0	0	0	4.11E-12	0	0	0	0	0	0	0	0
POTEC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POTED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POTEE	0.00031438	0.0189645	0.0209543	0.00029408	0	0	0.0203701	0	0	0	0	0	0	0	0.00112462
	5			8											
POTEF	0.00743934	0.0209526	0.00643735	0	0	0.00454369	0	0	0	0	0	0	0	9.15E-38	1.05E-08

POTEG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POTEH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POTEH-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0121604	0
POTEI	0.00756324	0	0.0224004	0.00707495	0	0	0	0	0	0	0	0	0	4.02E-05	0.0270551
POTEJ	0.00356092	2.13E-19	1.18E-18	0	0.0109701	0	0.010869	0	0	0	0	0	0	0.0294888	0.0127381
POTEKP	0	0.0655922	0.0500538	0	0	0	0.0345412	0	0	0	0	0	0	0	0
POTEM	0	0.00669107	0.00574424	0	0.0485362	0.0118248	0.011892	0	0	0	0	0	0	0.00907258	0.0299157
POU1F1	0	0	0	0	0	0	0	0.0306979	0	0	0.0194967	0.0123578	0	0	0
POU2AF1	0.16798	0.116844	0.120109	0.401296	0.559338	0.144388	0.0894762	0.380002	0.0185982	0.0862495	0.146531	0.0331725	0.487709	0.170002	0.219309
POU2F1	2.59021	2.13497	2.30515	1.94555	0.944769	2.63087	2.14257	2.36251	1.01728	1.84431	1.72656	1.20346	2.15152	1.42579	1.43716
POU2F2	0.254461	0.268485	0.301106	0.693746	0.385259	0.622583	0.305246	0.369273	0.0353056	0.287033	0.447245	0.0368757	0.719053	0.392243	1.07319
POU2F3	1.8253	8.41808	11.4773	2.53126	1.7502	1.75889	5.77194	8.52475	3.65013	0.942776	1.09387	1.31143	1.03713	0.478955	0.507013
POU3F1	3.94412	11.0288	15.8173	6.16603	13.1985	7.26188	10.3332	9.83424	12.8414	6.38873	5.9782	8.58514	5.95129	3.58158	2.3043
POU3F2	0.0226504	0	0.00936901	0.0116709	0.00879598	0.00482163	0	0.0100649	0.00689641	0	0.00639237	0	0	0	0
POU3F3	0.0359524	0.0915613	0.110472	0.03705	0	0.0918389	0.134876	0.0547739	0.00625513	0	0	0.00734997	0	0	0.014752
POU3F4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POU4F1	0.0121358	0.0204653	0.0100396	0.00625317	0.0282767	0.020667	0.00692816	0.0215707	0.0591204	0.0228476	0.00684993	0.0130253	0.00782998	0.0697699	0.0174286
POU4F2	0.0147361	0	0	0	0	0	0	0	0	0	0	0	0.0142615	0.00770173	0
POU4F3	0.0195796	0.0471687	0.0647904	0.0807093	0.0912415	0.066687	0	0.0174007	0.0238457	0	0.0442058	0.0140097	0.0884285	0.0102331	0
POU5F1	0.0907587	0.0625426	0.0706099	0.0372022	0.0495434	0.0676405	0.0957229	0.0669235	0.0713787	0.0245247	0.0233255	0.0329518	0.0199085	0.0432388	0.0588046
POU5F1B	0.254407	0.368477	0.330034	0.14348	0.27217	0.137113	0.197307	0.17953	0.117284	0.0847731	0.0329661	0.0417905	0.0188414	0.0725848	0.0419386
POU5F1P3	0.842173	0.568978	0.603867	0.288635	0.419703	0.345919	0.620524	0.611603	0	0.132709	0.0296012	0.234062	0.0146289	0.233598	0.803527
POU5F1P4	0.872688	1.1037	0.91467	0.660653	1.11312	0.203204	0.493719	0.645188	0.107703	0.304652	0.0579644	0.56523	0.0137874	1.06113	0.840066
POU5F1P5	1.72894	1.55895	1.69593	1.78172	1.72648	0.336495	1.07162	1.30952	0.330888	1.44576	0.362469	1.55521	0.143422	2.68504	1.20601
POU5F2	1.55478	1.12798	1.25666	1.105	1.83216	0.502161	1.08144	0.873528	0.0870599	0.358881	0.161394	0.549851	0.0461213	0.793918	0.872615
POU6F1	1.33836	1.21407	1.63139	0.5523	1.13146	1.78	1.76475	1.06312	0.241612	0.379067	0.748738	0.264833	0.410739	0.663895	1.47982

POU6F2	0.0995828	0.0143942	0	0	0	0.025438	0.0454802	0.0354004	0	0	0	0.0142508	0	0	0
POU6F2-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POU6F2-AS2	0.00990713	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PP12613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.25E-29
PP2672	0	0	0	0	0.0147453	0	0	0	0	0	0	0	0	0	0
PP2D1	0.482344	0.314424	0.250493	0.633839	0.0293822	0.18529	0.324227	0.588367	0.11528	0.308703	0.149524	0.243718	0.213604	0.415718	0.434749
PP7080	5.34828	5.13517	5.16342	3.49538	5.87556	4.9709	4.60645	4.22751	3.31554	2.77076	3.75833	3.2198	2.9705	2.50208	2.78886
PPA1	24.9383	15.7754	17.7045	43.9074	8.91826	31.239	13.2729	16.0813	22.1675	32.5272	49.8634	17.7169	49.612	29.9045	18.6348
PPA2	8.20315	6.39852	6.93498	11.7893	2.19176	8.22166	4.56458	6.36824	8.33945	7.13587	12.3522	5.2559	6.74743	6.26107	4.64872
PPAN	3.2957	4.09393	4.17393	6.89655	7.43321	7.12583	3.64041	2.9807	4.42465	2.71019	2.19997	3.95796	7.14093	4.90688	1.84465
PPAN-P2RY11	1.79088	2.28413	2.23841	1.46725	2.48418	3.22572	1.67848	2.05764	0.909357	0.576991	0.895629	1.46588	1.73897	2.4831	1.50711
PPARA	2.45677	3.58195	3.53258	2.16815	2.55899	2.70218	2.85039	2.5048	2.69664	1.90712	1.52361	1.8936	2.42459	1.59866	1.4664
PPARD	6.39288	6.16529	5.47756	28.7002	17.4183	15.9105	6.4638	6.04578	40.5604	26.742	21.2229	22.7631	36.5773	19.0982	7.84704
PPARG	0.990677	0.303453	0.397106	0.396441	0.237969	1.55375	0.314849	0.396346	0.310962	0.337556	0.707137	0.263081	0.243811	0.133446	0.479135
PPARGC1A	2.81332	0.638599	0.890049	0.198157	0.35558	1.29424	1.31467	1.78822	0.0250911	0.295928	0.49357	0.0655172	0.165416	0.662803	0.851455
PPARGC1B	3.19778	1.70138	1.93101	1.31066	1.34473	1.33775	1.96222	2.38599	0.471193	0.464128	0.480189	0.695906	1.35291	1.03673	0.887164
PPAT	1.07497	1.21354	1.43217	1.94507	0.456281	1.75613	0.742127	0.916462	0.936222	1.23153	1.91903	1.29238	1.79037	1.82594	0.987307
PPBP	0.053121	0.0085315	0	0.0547427	0.0550102	0.0150773	0.0606518	0.157365	0.0215651	10.0231	22.0878	0.076019	1.78222	0.120308	0.0254295
PPBPP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PPCDC	1.53841	1.49167	1.61259	1.51645	1.97409	1.87947	1.80015	1.23983	0.453856	1.51111	1.77982	0.752082	1.01107	0.928891	1.3311
PPCS	4.9269	4.19153	4.20567	5.50906	3.36146	6.22924	3.71057	3.86634	6.02205	5.0216	8.18153	3.72898	5.20483	4.39928	2.50981
PPDPF	77.7696	104.033	88.5028	183.602	189.88	222.561	136.978	88.9979	271.867	143.736	333.499	205.341	176.962	110.818	62.1558
PPDPFL	0.159843	0.0110021	0.0755622	0	0	0.194435	0.117324	0.0507341	0	0	0	0	0	0	0
PPEF1	0.048349	0.0660033	0.0533303	0.0166083	0.0125171	0.102921	0.0368022	0.0286457	0.0785115	0.313529	0.35477	0.0172975	0	0.00421155	0.0694353
PPEF1-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PPEF2	0.0203426	0.00326712	0.0224384	0	0	0	0.0232265	0.0301313	0	0	0	0	0	0.00708794	0

PPFIA1	5.19104	5.07314	5.28171	5.57702	4.06983	7.71255	5.0869	4.04667	4.20643	6.62299	5.47702	4.466	7.52661	5.94309	6.20464
PPFIA2	0.454545	0.0713046	0.107854	0.206977	0.0766273	0.552056	0.144833	0.12526	0.00858271	0.278617	0.350039	0.0352973	0.159139	0.268872	0.718569
PPFIA2-AS1	0.0238834	0	0.0197581	0	0	0.0813457	0	0	0	0.0299762	0.107846	0	0.0308189	0.0249651	0.0342996
PPFIA3	1.95706	4.74054	5.74128	2.95229	9.57471	3.47829	5.87321	1.85638	4.86797	2.68294	1.54815	4.76662	4.09031	2.48187	1.14246
PPFIA4	0.367974	0.578362	0.69749	0.445477	0.743622	1.40844	0.599618	0.542924	0.831036	0.842979	0.580749	0.876801	0.191315	1.39851	0.405321
PPFIBP1	6.32016	7.79986	8.33164	12.5314	4.78932	11.0603	5.64884	5.65029	3.39417	9.60369	9.15041	5.73012	15.9773	11.1334	10.7844
PPFIBP2	3.31158	3.73409	3.83197	5.38622	5.75079	4.60345	3.33506	3.09053	6.17601	5.38855	2.81743	5.50084	6.77553	3.90418	3.08783
PPHLN1	3.46123	3.00229	2.84324	4.66556	1.44432	5.50475	2.35115	2.79484	2.47825	2.96335	5.07784	2.29547	3.39844	3.06078	2.57278
PPIA	88.8048	80.9843	75.1881	239.968	95.4715	207.671	85.765	62.263	181.132	213.988	360.392	165.732	203.148	159.823	72.1581
PPIAL4A	2.75E-19	0	0.0112865	0	5.80E-30	0	0	4.87E-05	2.08E-30	0	0	0	0	0.00610763	0.0335652
PPIAL4C	0.00498012	0	1.93E-06	0	9.93E-34	0	0	0.0232433	3.57E-34	0	0	0	0	1.05E-06	5.75E-06
PPIAL4D	0.00498012	0	0.0277667	0.00506361	0.015265	0	0.0112204	0.00582506	3.57E-34	0	0	0	0	6.77E-43	0
PPIAL4E	0.00498012	0	0.0277667	0.00506361	0.015265	0	0.0112204	0.00582506	3.57E-34	0	0	0	0	6.77E-43	0
PPIAL4F	0.00498012	0	0.0277667	0.00506361	0.015265	0	0.0112204	0.00582506	3.57E-34	0	0	0	0	6.77E-43	0
PPIAL4G	0.10912	0.0302186	4.24E-05	0.0323165	0.194846	0.0801057	0	6.60E-11	0.152828	0	0.0354006	0.0897532	0.0404693	0.0983663	0
PPIAP30	0.406667	0.409689	0.428176	0.419082	0.287134	0.220355	0.844217	0.558546	0.045025	0.371206	0	0.396792	0	0.463728	0.212373
PPIAP46	0	0.045513	0	0	0	0	0	0.0839495	0	0	0	0.0337948	0	0	0.271317
PPIB	49.2418	30.5666	34.8758	131.414	79.8044	173.267	48.537	34.8913	64.0332	96.9298	201.897	51.2756	117.267	70.5602	85.1182
PPIC	6.10407	4.88068	4.04287	15.6875	16.404	14.9389	4.21159	3.96043	11.3563	17.038	34.7919	10.9459	12.0445	9.86435	13.1493
PPID	3.21782	4.3107	3.74769	6.86618	2.6266	5.18975	2.03151	2.54572	5.20989	4.40297	6.39608	3.9638	6.8227	4.74853	3.64259
PPIE	2.69028	2.42752	2.3936	3.19706	2.86672	3.79393	2.66081	1.86931	1.61744	2.06646	3.6235	1.35038	2.32314	2.11341	1.53658
PPIEL	1.42871	1.86416	1.58979	0.613007	1.22226	0.645195	1.98959	1.8104	0.263003	0.45674	0.35945	0.926247	0.131981	0.593766	0.864326
PPIF	9.22566	9.29054	10.6432	65.814	28.7593	30.6787	16.1306	8.11486	59.5101	92.9501	90.0028	62.6475	168.451	68.5489	22.6914
PPIG	8.08211	6.84452	5.94319	6.21358	2.67028	8.22176	1.8944	3.0783	6.08293	5.98972	5.648	4.2286	9.53515	6.26234	5.89558
PPIH	6.95047	4.64711	4.52077	10.6661	5.47647	9.52066	4.19793	4.65513	3.74173	5.40481	9.80777	3.72994	6.09296	4.7382	2.82093
PPIL1	2.73291	2.13893	2.06234	9.8778	2.13293	8.33192	2.05486	2.13259	4.41618	5.57179	7.85575	3.82509	8.86789	5.88056	3.82907

PPIL2	3.23015	4.5597	4.49973	5.368	6.34121	6.90162	4.07309	3.63996	3.04723	3.54607	3.59804	3.86855	4.50491	4.62431	4.65435
PPIL3	3.09301	4.04124	4.00371	3.84368	0.310881	6.11941	2.07736	2.61946	3.3681	3.53952	6.34656	2.55162	3.58033	2.35825	3.60583
PPIL4	4.84963	4.58964	5.01683	4.7718	1.51798	6.43906	2.38796	4.39111	2.49155	4.8144	5.22719	3.08448	4.23676	4.5967	5.95474
PPIL6	0.228328	0.234507	0.223039	0.111764	0.0906392	0.205648	0.125059	0.134997	0.0818657	0.0573854	0.0721102	0.0938682	0.0653958	0.10015	0.0898486
PPIP5K1	4.32021	6.36883	5.74319	4.90724	5.98833	4.31463	5.70454	3.98252	4.31161	3.11991	1.99842	4.36498	3.06634	4.04421	1.78938
PPIP5K1P1-CATSPER2	0.063582	0.0607184	0.0800162	0.0743789	0.0402557	0.0107168	0.0294427	0.0174055	0.027078	0.0231412	1.04E-28	0.0322112	3.46E-25	0.00332293	0.0237472
PPIP5K2	3.35723	2.95921	2.65702	2.55419	0.611861	3.20951	1.85432	3.23944	2.50564	3.05757	3.71123	1.59568	2.28141	2.50367	3.52902
PPL	31.1418	47.7917	51.4641	54.3593	71.8464	63.9798	61.5275	29.9678	107.036	45.2979	25.9958	72.1736	122.317	38.2122	13.5332
PPM1A	3.40638	3.35285	3.8747	2.73307	2.34012	2.97471	2.61832	4.05264	5.13385	3.34397	3.89344	1.99341	3.79642	2.36953	2.4722
PPM1B	3.37977	2.98786	3.35376	2.0579	1.43423	2.8303	1.93681	2.98458	3.22181	2.41474	2.8215	1.61016	2.65166	2.48466	2.05993
PPM1D	1.41949	1.18813	1.11018	1.72743	2.00177	2.37198	1.08971	1.26583	2.1359	1.86066	3.33065	1.06768	2.48186	1.62051	1.67678
PPM1E	0.0466829	0.0517722	0.0964181	0.0512697	0.0661918	0.0642339	0.0692243	0.0585394	0.0175386	0.0269855	0.0323826	0.023417	0.011407	0.0335015	0.0361113
PPM1F	5.07942	4.53339	4.78547	9.12586	10.8437	14.8185	5.07076	3.84775	3.16375	5.41723	5.22512	4.23808	9.66462	7.13137	8.17928
PPM1G	8.94757	8.05057	7.94266	18.6798	13.4926	21.555	8.52868	6.40616	10.5543	12.6307	10.8157	9.71125	29.1176	15.5004	9.29809
PPM1H	0.507654	0.384878	0.441583	0.32697	0.533439	0.632499	0.600933	0.417987	0.0818293	0.145235	0.269684	0.069443	0.267327	0.095594	0.450299
PPM1J	1.02618	2.38757	2.37923	1.72541	2.41199	1.29917	1.31041	1.13998	0.805774	0.508406	0.792609	0.782565	0.653374	0.656294	0.465386
PPM1K	1.21933	1.06769	0.534565	0.579049	1.77863	1.45328	0.485175	0.720959	2.66887	0.440773	0.872176	0.459846	0.358	0.422152	1.08434
PPM1L	3.93374	3.37785	3.37207	1.18866	1.94438	2.42034	3.00038	3.33734	4.94229	1.85557	1.53761	3.60122	1.27224	0.716066	1.23013
PPM1M	2.84594	2.75195	2.77128	2.78008	4.75844	3.41614	3.08016	1.69494	1.08314	2.30688	4.39516	0.813125	1.87445	2.1175	3.20727
PPM1N	0.162028	0.474912	0.402124	0.417437	0.755058	0.310421	0.431664	0.311994	0.493331	0.186415	0.24388	0.357468	0.0958282	0.119968	0.0775644
PPME1	6.57753	6.90909	7.81112	8.89932	6.694	13.9767	7.71138	6.40541	8.73704	7.42252	9.35028	7.69365	9.566	8.58312	5.18751
PPOX	1.70821	2.70079	2.8891	2.20371	3.8524	2.75819	2.52827	1.25947	1.55645	1.65166	2.514	1.91942	1.04498	1.43507	1.34472
PPP1CA	21.0838	21.063	18.0681	52.3617	39.509	60.8808	30.6593	17.8118	60.533	47.6916	72.1306	36.7593	67.459	36.3939	20.9882
PPP1CB	26.7513	21.2629	20.0927	35.3357	15.7519	28.9831	17.0291	25.4803	80.5482	55.4961	54.2251	37.7874	77.829	34.0322	19.8898
PPP1CC	18.7192	14.2683	14.6471	20.487	6.57135	21.707	11.4809	17.0373	47.5024	17.7566	30.6723	14.759	20.658	16.0165	12.7333
PPP1R10	0.551266	1.03778	1.01403	1.24979	1.68126	1.68494	0.858148	0.647455	1.34715	1.33948	1.0323	1.19054	1.25671	1.05867	0.870333

PPP1R11	1.13827	1.15809	1.13891	2.71193	1.56806	3.04549	1.6474	0.999224	2.02219	2.26967	3.47569	1.62892	3.53615	1.73015	1.37974
PPP1R12A	7.16803	5.68984	6.41632	5.43274	3.71343	6.74652	4.24548	4.94123	5.17332	7.11018	7.47203	3.65787	6.80022	6.51985	6.89444
PPP1R12A-AS1	0.16563	0.181371	0.17439	0.124136	0.0935567	0.448738	0.0515758	0.133817	0.0916904	0.0944922	0.0679912	0.0754172	0.0485744	0.149522	0.0216242
PPP1R12B	7.65067	5.65585	7.2573	1.89892	3.14983	5.68648	8.48448	3.76006	2.93171	2.6261	3.28683	2.11649	1.79089	3.31969	4.63766
PPP1R12C	8.71868	8.09318	8.33622	9.8616	26.2496	21.3878	9.4021	4.91124	11.8256	9.92394	7.3046	8.55609	10.3238	11.349	12.8237
PPP1R13B	5.04023	4.91313	5.08464	4.01581	6.67658	6.79517	4.87024	4.18071	9.54867	4.0709	2.93446	3.7066	3.98361	3.60501	2.88866
PPP1R13L	15.7663	34.0046	34.0557	34.257	60.8784	31.8605	36.218	21.8883	56.7729	24.4764	24.054	38.3646	53.8578	25.9076	9.9458
PPP1R14A	3.45508	0.746248	1.50306	0.951528	3.70133	8.72439	4.62505	0.979411	0.834324	2.05609	5.8169	0.831171	1.05695	2.30392	5.13303
PPP1R14B	28.9581	27.7694	28.9996	75.5358	54.8859	57.1015	29.7973	17.7753	46.1152	51.2956	86.2119	34.3605	59.4851	41.5318	23.1341
PPP1R14C	8.31098	14.338	16.6257	13.052	9.41409	8.10165	9.77604	12.8652	16.6615	15.8175	15.6447	13.0094	18.7204	9.39308	4.25413
PPP1R14D	0.0795294	0.0638641	0.0877231	0.0546382	0.123537	0.203155	0.030268	0.0706791	0.0322859	0.0332725	0	0.0758739	0	0	0.0761428
PPP1R15A	14.5579	13.5137	18.0449	20.677	26.5055	22.5341	21.5783	12.2301	36.6898	26.024	22.3652	37.8095	38.755	23.0592	16.7367
PPP1R15B	7.67633	6.76945	7.35921	9.21708	6.75239	8.3814	7.37227	7.18853	16.577	9.56852	11.5971	8.29229	16.3242	9.28718	8.57367
PPP1R16A	1.76539	2.98913	3.05099	3.40288	6.27277	4.54006	2.93782	1.8103	2.60269	1.63266	1.6863	2.16839	2.92826	2.70452	1.93998
PPP1R16B	2.57555	0.820767	0.800914	1.03959	2.09507	2.9639	1.13915	1.10014	0.310523	0.640024	0.875998	0.277622	1.45431	0.957916	1.67694
PPP1R17	0.0117716	0	0	0	0	0	0.0134405	0.031385	0	0	0.0265774	0	0.037975	0	0
PPP1R18	0.750427	0.79344	0.86568	1.86818	2.01618	3.20199	0.882198	0.616282	0.789539	1.42064	1.43934	0.803438	2.35989	1.71045	1.62155
PPP1R1A	1.6026	0.0668797	0.0835139	0.0390124	0.215617	0.977779	0.691577	0.302795	0	0	0.0569806	0.0180583	0.0325666	0.0395711	0.0362447
PPP1R1B	8.99571	4.64926	6.99424	0.232339	7.51203	15.2618	7.40077	8.35531	0.013729	0.0141485	0	0	0.0290926	0	0.356162
PPP1R1C	0.0351718	0.0112975	0.033946	0.0181228	0	0.0149742	0.013386	0.0312578	0	0.0147147	0.00661743	0.00838879	0.00756422	0.076593	0.0505112
PPP1R2	4.68874	3.51967	3.82592	5.49063	3.18952	6.2474	3.43992	5.34879	13.3448	7.98837	13.6045	5.51524	8.88128	4.7741	4.47376
PPP1R21	3.52726	4.08914	4.44248	5.35598	2.9296	4.10672	2.57254	3.30105	6.41738	5.80035	4.28248	4.1875	6.23282	3.81491	3.01867
PPP1R26	1.47811	1.17792	1.07141	1.90042	2.93016	2.99266	1.19476	0.750643	0.657208	1.73151	0.985273	1.21544	3.72689	1.85652	1.68473
PPP1R26-AS1	0.442778	0.247623	0.274723	0.179259	0.233356	0.282765	0.261802	0.196752	0.0577772	0.178628	0.0892573	0.0678899	0.0918251	0.169429	0.158971
PPP1R27	0.028965	0.320983	0.0479238	0.119397	0.944846	0.271297	0.0330713	0.15445	0.352761	0.0727082	0.0653958	0.455955	0.0186881	0.105969	0
PPP1R2B	0	0	0	0.0124875	0	0	0	0.0212856	0	0	0	0	0	0	0

PPP1R2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PPP1R2P2	0.0933658	0	0.0193097	0	0.0181287	0.0397499	0.0399758	0.010372	0	0	0	0	0	0	0
PPP1R32	0.52632	0.514424	0.746416	0.139471	0.677404	0.883505	0.3949	0.46775	0.073257	0.226487	0.186733	0.312037	0.126129	0.196484	0.518306
PPP1R35	2.89288	4.00431	4.50246	5.83607	12.2242	7.24365	2.71518	1.93911	5.01608	5.53861	7.22329	4.05215	5.1407	4.80493	2.78143
PPP1R36	0.312744	0.261716	0.217873	0.0678509	0.178979	0.504563	0.187937	0.146285	0.260607	0.309889	0.185815	0.15311	0.159301	0.103234	0.0236389
PPP1R37	4.16293	5.4809	4.90313	8.06297	17.0734	7.323	4.69939	3.11441	10.245	5.23474	4.39852	6.5576	8.18415	5.31435	3.11872
PPP1R3A	0	0	0	0.00555158	0	0	0	0	0	0	0	0	0	0	0
PPP1R3B	3.28206	3.05384	3.93136	4.37854	2.92533	5.46262	3.20816	3.39197	6.18792	5.4591	6.68199	3.3695	7.59269	6.48964	4.54611
PPP1R3C	7.19846	2.77466	2.92543	0.816005	1.69123	7.19438	2.98965	5.29384	5.29303	3.01537	3.3622	3.76	5.35268	3.33428	3.55365
PPP1R3D	1.90967	1.79075	1.67097	3.10787	2.51001	2.5958	1.65274	1.69533	7.08231	2.02809	2.88472	1.72392	2.1368	1.19985	1.28029
PPP1R3E	1.5034	2.45588	2.71743	0.827705	2.00739	1.30204	2.09276	1.82569	0.551799	0.478192	0.546342	0.652064	0.192668	0.57047	1.17566
PPP1R3F	0.877142	0.841989	0.99356	0.639697	2.26385	1.5512	0.79349	0.491704	0.772434	0.575857	0.662661	0.448988	0.31779	0.581857	0.513565
PPP1R3G	0.493256	0.314737	0.430113	0.164859	0.621241	1.28271	0.426193	0.331736	0.0649439	0.284446	0.541776	0.124005	0.240835	0.30657	0.325471
PPP1R42	0	0	0.00885959	0	0	0.0182379	0	0.0190353	0.0130429	0	0	0.00766287	0	0	0
PPP1R7	4.66551	4.41775	4.58793	8.45755	5.18279	10.0737	4.19318	3.51418	8.4571	6.52851	8.85248	5.10296	6.6956	4.52591	3.28386
PPP1R8	5.27453	4.05831	4.61856	7.02437	2.99996	7.69717	3.75235	3.79332	4.70418	5.09236	7.58491	3.07731	8.33506	5.10622	4.09044
PPP1R9A	0.544388	0.144896	0.174331	0.0407183	0.0886539	0.259806	0.303263	0.339445	0.0053468	0.0137754	0.0297361	0.0157066	0.0538184	0.00803082	0.0851163
PPP1R9B	8.14663	10.468	10.2935	19.7579	26.9241	27.3384	10.1104	6.44293	8.05006	11.6159	7.41011	12.1079	22.2558	15.371	13.7835
PPP2CA	12.5429	11.9926	12.8256	28.6426	7.76187	17.5107	8.74757	13.2841	41.3341	25.7211	30.6326	16.709	34.2219	17.1826	10.5671
PPP2CB	13.8976	13.5959	14.228	22.4937	8.48546	18.8557	9.64408	11.3487	31.5336	25.3165	25.184	14.416	39.338	18.1925	12.9065
PPP2R1A	19.8886	18.3753	19.3241	40.8024	41.0866	51.0763	23.7006	14.2838	36.421	31.7808	43.8154	23.3591	51.5162	25.7951	19.3142
PPP2R1B	3.1582	3.10214	3.48574	5.30802	2.2755	4.27182	2.79661	2.93973	4.55133	4.18133	4.56097	3.74468	5.81057	4.33643	3.16699
PPP2R2A	5.87378	6.40334	6.46463	11.8506	3.54378	10.1553	4.4117	5.60004	17.4167	13.2438	12.4665	9.24452	20.1793	9.65637	5.00165
PPP2R2B	0.648751	0.26925	0.456986	0.0926712	0.389125	0.563341	0.975406	0.319674	0.148634	0.628826	0.616341	0.422834	0.140905	0.268567	0.202942
PPP2R2B-IT1	0.155322	0	0.0428312	0	0.0804232	0	0.0591141	0.0460126	0	0	0	0	0	0	0
PPP2R2C	5.92475	9.57566	8.41559	26.5129	17.2386	10.9457	8.88754	6.81115	28.8796	29.8729	14.8981	26.4322	51.8772	20.858	6.24739

PPP2R2D	2.47159	2.8381	3.04332	2.59244	4.67412	3.00862	3.02822	2.30226	2.65061	2.20077	2.88959	1.69283	2.83398	2.39469	2.79658
PPP2R3A	7.1898	9.11206	8.43279	7.11787	3.5401	5.46975	6.59786	7.92079	8.54754	6.77796	6.31517	8.10795	7.44642	5.30432	3.78422
PPP2R3B	0.93011	1.35591	1.42053	1.4353	3.86016	1.39713	1.3615	0.644328	1.10372	0.694444	0.883059	1.2423	1.42794	0.944811	0.616503
PPP2R3C	1.84371	1.36499	1.63802	2.74693	0.903944	2.86048	1.21637	1.49118	1.80391	3.39498	5.06441	1.34851	4.79048	2.40167	3.0486
PPP2R5A	7.47496	7.50339	7.23771	9.73537	8.92676	10.0347	5.014	5.51078	8.90542	9.28826	12.2633	5.46492	9.74613	7.38475	6.37478
PPP2R5B	1.75887	3.01676	3.76645	3.83328	5.32047	4.17767	2.57514	1.3612	8.69142	6.30582	5.54813	4.58246	8.23691	5.75309	3.85542
PPP2R5C	7.7699	7.22953	6.84494	9.24073	3.37832	9.72976	6.04779	7.1936	10.627	10.2363	13.2509	6.82394	10.9257	6.80635	7.1536
PPP2R5D	5.88291	6.6064	6.78448	9.13242	6.92463	11.6881	7.54603	4.55561	7.76184	6.37039	7.66203	5.74187	9.14439	6.25751	6.12081
PPP2R5E	3.04924	2.82214	2.99006	4.9749	2.4697	4.39931	2.59249	3.00234	3.03454	3.87755	4.1142	2.81621	6.10955	3.77414	3.39434
PPP3CA	7.79031	7.59256	9.45389	6.72742	5.0895	9.04796	5.68485	9.24123	3.61666	7.51014	7.32473	3.57324	10.2758	5.3002	8.57921
PPP3CB	4.86278	4.2226	4.34435	5.36552	2.29858	6.04117	3.88538	4.48548	3.05218	4.58373	6.92933	2.63454	5.88592	4.26796	5.81011
PPP3CB-AS1	0.821823	0.884721	0.953747	0.569351	0.474701	0.398677	0.649996	0.992762	0.222547	0.364435	0.311779	0.43632	0.208461	0.542679	0.518602
PPP3CC	4.22842	2.17505	3.0659	2.75265	1.54636	5.01045	2.35205	3.0834	1.14039	2.49893	4.46184	1.05789	3.10973	2.62722	4.47303
PPP3R1	12.5976	11.0692	11.6934	14.3129	6.44721	14.6601	9.59197	13.3474	12.4125	12.1455	14.0216	8.95894	16.2311	9.10281	10.7403
PPP3R2	0.0273316	0.00987659	0.0113053	0.00704151	0	0.00581813	0.00780159	0.00607252	0.00832171	0	0	0.00488913	0	0.00357117	0
PPP4C	14.9511	15.1502	15.3705	36.7372	25.9821	35.5792	15.7903	10.8236	33.8383	31.2948	45.1665	20.8161	43.3184	24.8103	12.6817
PPP4R1	12.0374	12.6007	12.9896	41.6295	10.1735	21.8495	10.0435	11.1144	31.5827	42.7223	34.2911	29.8751	70.0664	33.4447	15.9656
PPP4R1-AS1	0.039426	0.0949802	0.0652319	0.406296	0.0612422	0.134283	0	0.0350385	0.384131	0	0.133521	0	0.10175	0.185452	0.226483
PPP4R1L	1.16777	1.0416	1.16566	0.765812	1.30424	0.829986	1.3774	0.720467	0.305599	0.89636	0.773528	0.476482	0.491914	0.897836	1.26126
PPP4R2	3.39232	3.2174	3.41506	4.81401	2.11974	4.6515	2.11978	3.82458	3.90744	5.71274	6.64978	2.74868	6.27636	4.64602	3.79669
PPP4R3A	9.75297	9.02141	9.50015	9.96803	6.09411	7.94143	5.96872	8.09247	16.204	8.75241	8.73881	7.14356	10.4812	7.92121	7.20501
PPP4R3B	8.464	8.4784	8.90366	11.0913	5.73081	11.0474	5.81913	8.68482	10.8861	9.24019	9.20541	6.99219	11.6486	8.73735	7.57422
PPP4R3C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PPP4R4	0.0750585	0.0940273	0.132467	0.3094	0	0.11078	0.0457064	0.0400235	0.0487535	0.929501	0.632664	0.136056	0.68444	0.638122	0.395243
PPP5C	6.65675	5.78024	6.02157	9.45653	7.26391	14.0555	6.85461	4.92998	6.68017	6.20759	11.9976	4.5702	10.7774	7.63553	6.68599
PPP5D1	0.0365176	0.0967711	0.0755249	0.0846731	0.0567245	0.10883	0.0833893	0.0730211	0.0333558	0	0.0515298	0.0130647	0.0117805	0	0.0917769

PRAMEF11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRAMEF12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRAMEF13	0	0	0	0	0	0	0	0	0	0	0	0	0.00139736	0	0
PRAMEF14	0	0	0	0	0	0	0	0	0	0	0	0	0.00139736	0	0
PRAMEF15	0	0	0	0	0	0	0	0	0	0	0	1.60E-08	0	0	0
PRAMEF17	0.00732839	0.0211856	0.0181877	0	0	0.0124801	0.00836732	0.0130257	0	0	0	0.00524366	0	0.026811	0.021049
PRAMEF18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRAMEF19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRAMEF2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0220991	0
PRAMEF20	0	0	0	0	0	0	0	0	0	0	0.00817959	0	0	0.0113609	0
PRAMEF22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRAMEF25	0	0	0	0	0	0	0	0	0	0	0	2.11E-09	0	0	0
PRAMEF26	0	0	0	0	0	0	0	0	0	0	0	1.32E-07	0	0	0
PRAMEF27	0	0	0	0	0	0	0	0	0	0	0	0.00689263	0	0	0
PRAMEF33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRAMEF34P	0	0	0	0	0	0.00444931	0	0	0	0	0.00294938	0.00186944	0	0	0
PRAMEF36P	0	0	0	0	0	0.00444931	0	0	0	0	0.00294938	0.00186944	0	0	0
PRAMEF4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRAMEF5	0	0	0	0	0	0	0	0	0	0	0	1.93E-08	0	0	0
PRAMEF6	0	0	0	0	0	0	0	0	0	0	0	8.46E-07	0	0	0
PRAMEF7	0	0	0	0	0	0	0	0	0	0.00310729	0	0	0	0.00129392	0
PRAMEF8	0	0	0	0	0	0	0	0	0	0.00310729	0	0	0	0.00129392	0
PRAMEF9	0	0	0	0	0	0	0	0	0	0	0	0.00701261	0	0	0
PRAMENP	0	0	0	0	0	0	0	0	0	0	0.00859678	0	0	0	0
PRAP1	0.0893554	0.387475	0.517448	0.0306944	0.2776	0.177532	0.204046	0.105882	0	0	0	0.127872	0	0.124536	0.384977
PRB1	0.230489	0.278251	0.375845	4.99E-25	0.623135	0.021195	0.59761	0.168751	0	0	2.67E-13	0.0433261	0	4.80E-08	1.16E-11

PRB2	0.183422	0.302421	0.482299	0.11691	0.872735	0.230985	0.434315	0.149445	0	0	0.0365905	0.0571808	0	0.0423514	0.0698243
PRB3	0.0840801	0.232939	0.260839	0.0216617	0.750981	0.268474	0.384	0.186809	0	0	0	0.0451212	0.013562	0.0439439	0.0603748
PRB4	0.176472	0.194347	0.29198	0.0519599	1.01817	0.0858649	0.143921	0.0448096	0	0	0	0.0901932	0	0	0.217231
PRC1	2.83337	2.14426	2.22353	7.37398	1.69657	6.34814	2.89158	1.98819	2.48922	4.94025	6.20333	2.87106	7.35822	6.93649	2.63515
PRC1-AS1	0.218909	0.21576	0.482642	0.0888669	0.0576885	0.133766	0.223392	0.170086	0.0419465	0.0655793	0.0607722	0.194236	1.86E-37	0.15529	0.328034
PRCC	8.51377	9.21257	9.81176	16.3453	18.5418	19.4461	11.2641	6.83004	16.9671	9.89209	15.5917	10.3506	17.5974	12.3633	9.78461
PRCD	0.14339	0.210037	0.149418	0.0638305	0.513912	0.251241	0.248149	0.119259	0	0.0138512	0.0377935	0.0740635	0.0145436	0.0486553	0.26684
PRCP	11.2245	7.14063	7.38015	14.6811	5.78085	20.792	9.79634	8.52908	15.1056	14.621	29.787	9.18327	12.8165	10.1007	18.2161
PRDM1	3.40413	4.06329	4.14975	13.9039	6.26676	6.18413	6.8826	5.23899	27.9926	11.1657	16.2276	14.8718	24.3399	8.58424	6.31103
PRDM10	1.27438	1.69604	1.60469	1.4838	1.3671	1.51977	1.66004	1.22955	1.59064	1.19298	0.790843	1.44335	1.43094	1.88407	1.47627
PRDM11	0.73713	0.611939	0.736498	0.469248	0.9896	0.801524	0.857952	0.504482	0.340695	0.397236	0.433352	0.362339	0.562543	0.360711	0.659801
PRDM12	0.0371478	0	0	0	0	0	0.0106035	0	0	0	0.0629028	0	0	0.00970752	0
PRDM13	0	0	0	0	0	0	0	0	0	0	0.00815406	0.0206735	0.0279621	0.0113254	0
PRDM14	0	0	0.0081679	0	0	0	0	0	0	0	0	0	0	0	0
PRDM15	0.984875	1.14259	1.02152	1.12839	1.53447	1.27945	1.14828	0.795944	0.692139	0.668475	0.544143	1.10922	0.956034	1.17099	1.09819
PRDM16	0.334291	0.0805334	0.0834038	0.0628844	0.317332	0.718389	0.448326	0.153261	0.00646237	0.0332992	0.0628956	0.015187	0.102706	0.0623983	0.518187
PRDM2	7.1051	6.36468	6.79468	7.25483	4.64414	8.10012	5.47891	7.48182	6.92055	7.05648	5.50706	6.83079	10.1689	5.20267	6.02087
PRDM4	5.64648	4.70395	4.19723	7.6672	5.97868	8.24702	4.88371	4.29298	9.34916	8.62716	7.94189	6.79951	11.1382	6.63719	5.65952
PRDM5	1.04271	0.479465	0.572685	0.530585	0.208342	0.880488	0.518698	0.542163	0.121195	0.62992	1.19663	0.198132	0.287525	0.508788	0.938248
PRDM6	0.0423728	0.0738608	0.118591	0.0369799	0.0348457	0.13005	0.126631	0.0332272	0.00910683	0.0156418	0.02251	0.0160512	0	0.0078162	0.290062
PRDM7	0	0	0	0	0	0	0	0	0	0.00901518	0	0.0051395	0.013903	0	0
PRDM8	0.619854	0.298655	0.412952	0.520067	0.468643	0.957509	0.626309	0.209625	0.0334032	0.240967	0.452043	0.0274748	0.399927	0.203552	0.464789
PRDM9	0	0	0	0	0	0.00533027	0	0	0	0	0	0	0	0	0
PRDX1	43.7625	36.7016	36.671	94.3391	36.8295	105.351	47.3014	30.8974	85.518	96.5355	151.076	64.3807	116.208	73.9159	36.8858
PRDX2	35.7625	41.2296	44.0459	54.1785	66.2531	72.9768	60.7904	33.1301	102.071	33.2165	81.523	39.3248	35.9485	32.2782	19.2758
PRDX3	8.41052	5.51034	5.9705	17.3784	3.42057	15.8108	5.38537	7.02003	4.39481	12.8028	29.1246	5.2962	17.6907	11.1748	10.7728

PRDX4	11.5087	7.04635	7.23415	19.8617	13.8176	25.0551	9.89824	6.9452	8.90556	22.96	54.5489	8.18085	22.4706	11.7278	19.2345
PRDX5	37.438	26.109	20.1822	73.3933	78.1738	91.4563	29.3145	19.295	92.872	82.0373	152.998	51.0869	71.5568	46.9111	28.1683
PRDX6	33.7999	23.7035	20.2347	36.7169	28.5225	57.9144	33.4018	23.4742	83.6624	33.6214	54.3006	34.1304	36.7036	23.8507	19.0263
PREB	4.93283	4.31572	4.57886	8.66462	8.12179	14.3005	5.08942	2.957	6.31634	7.83514	12.0672	4.35339	9.70471	7.35896	6.31051
PRELID1	23.5842	20.3455	18.13	79.9821	48.7425	76.2137	22.6927	17.4392	88.4693	103.84	147.366	69.5886	142.554	58.6101	26.0474
PRELID2	0.64653	0.401451	0.576287	0.553659	0.304114	0.752107	0.358697	0.554351	0.0499057	0.297155	0.390625	0.110766	0.408325	0.459601	0.536176
PRELID3A	0.54865	0.534704	0.691139	0.80955	1.14278	1.25286	0.541008	0.432186	0.106304	0.672961	0.760121	0.383651	0.490754	0.931933	1.30725
PRELID3B	4.45335	3.55959	3.62382	5.27768	0.722342	4.63542	2.42456	5.06615	13.3658	6.74831	9.13753	5.21746	8.5011	5.21291	2.57838
PRELP	10.9409	5.04558	7.11672	0.545111	4.08359	4.71062	15.8934	6.99503	0.28578	0.454248	1.30202	0.560615	2.04258	0.527972	5.83737
PREP	5.8585	5.9637	6.28427	10.7538	6.46181	9.74922	8.14358	6.58331	17.373	11.755	11.2829	9.75675	13.0697	8.42539	5.51116
PREPL	3.05041	3.23141	3.44146	3.76201	1.21407	3.05394	2.72659	3.73271	3.11178	2.71835	3.16771	2.01094	2.45859	2.47337	2.90757
PREX1	2.21905	1.5735	1.97142	4.41899	4.28702	6.49737	2.04365	1.9318	0.701135	3.25809	3.6197	1.21831	3.99576	2.37608	6.8497
PREX2	2.49625	1.44923	1.29437	1.57547	1.04823	1.93739	1.20915	1.21361	0.433961	1.40163	2.26965	0.51419	1.06215	1.41493	3.11893
PRF1	0.572443	0.253922	0.233024	0.86147	1.21383	1.9884	0.259364	0.306859	0.0442648	0.114044	0.225663	0.0520125	0.580387	0.156715	1.35712
PRG1	0.187773	0.022618	0	0.145129	0	0	0.0535984	0.125158	0	0	0	0.0671784	0.0605752	0	0
PRG2	1.364	0.563311	0.781199	0.355272	0.256114	3.58638	1.02684	0.999075	0.164294	0.395068	1.06601	0.139426	0.212759	0.258519	0.473575
PRG3	0	0	0.0220317	0	0	0	0	0	0	0	0	0.0190558	0	0	0
PRG4	1.74214	0.58209	0.731597	0.16462	0.0715973	2.01593	4.60889	0.461004	0.011479	0.0357615	0.047637	0.0269975	0.120075	0.0714781	1.3364
PRH1	0.746422	1.17842	0.972877	0.617618	0.272687	0.749453	0.604824	0.439052	0.234161	0.338874	0.772526	0.264097	0.317083	0.622703	0.650306
PRH1-PRR4	0.844315	0.610766	1.25827	0.236203	1.34011	0.612489	1.32348	0.411178	0.21463	0.286246	0.252364	0.353584	0.00815583	0.282919	0.922245
PRH1-TAS2R14	0.190033	0.152589	0.264069	0.147479	9.92E-18	0.325156	0.176358	0.225765	6.08E-13	0.248385	0.376521	0.101771	1.48E-14	0.217437	0.469286
PRH2	0.269851	0.408413	0.574354	0.186606	0.175568	0.162278	0.25299	0.384644	0.044931	0.168443	0.151127	0.132671	0.00469996	0.238736	0.677984
PRICKLE1	4.38937	2.16367	1.648	2.33624	2.89211	3.17891	2.4177	1.9033	2.27341	1.61036	2.78789	0.824866	1.67119	1.263	3.72678
PRICKLE2	2.62583	1.27481	1.56003	1.56141	1.71162	4.15932	1.52005	2.26331	0.372557	2.26388	3.22796	0.929164	2.62878	2.54373	4.92792
PRICKLE2-AS1	0.210231	0.0891489	0.119703	0.0881711	0.0778847	0.139914	0.0730171	0.157534	4.33E-15	0.0774415	0.0269314	0.0837767	0.00433714	0.27969	0.388443
PRICKLE2-AS2	0.145007	0.0838397	0.191935	0.0896601	0.0450491	0.222248	0.165564	0.0773219	0	0	0.163694	0.0207512	0.0561345	0.166731	0

PRICKLE2-AS3	0.19229	0.0778325	0.075762	0.0317869	0.112567	0.0528418	0.0965893	0.0958602	0	0.0286617	0.0343425	0.0330027	0.00971481	0.189501	0.280393
PRICKLE3	1.51395	3.06014	3.20289	3.87003	4.21858	4.26902	2.95756	2.13081	4.35995	3.36561	3.73626	4.17967	5.38427	3.77259	2.16139
PRICKLE4	1.85594	1.27359	1.27947	1.21711	2.40243	2.62188	1.25217	0.987146	0.325351	0.617644	1.15867	1.18713	0.879941	1.53583	2.88748
PRIM1	1.40885	1.53303	1.61074	3.36048	0.76226	2.15661	1.30132	1.70224	1.3688	1.35102	2.71621	0.985413	1.93031	1.75394	0.818405
PRIM2	1.29186	1.15069	1.15309	1.85682	0.435667	1.80198	1.30034	0.913948	0.621057	1.2054	2.28347	0.766248	1.44766	1.36369	1.44028
PRIMA1	0.513586	0.366598	0.514045	0.816767	0.265925	0.961005	1.36826	0.276113	0.169886	0.230784	0.1861	0.186011	0.351817	0.178948	0.154799
PRIMPOL	1.21609	1.49943	1.65086	1.64425	0.917307	1.32606	0.932014	1.43818	0.525043	1.17638	1.33631	0.685683	0.911277	0.810618	1.72968
PRKAA1	5.44477	3.92481	4.19736	4.04992	1.33856	6.71235	3.19435	4.66711	3.77441	4.205	6.48228	2.6129	4.59246	4.27152	4.98904
PRKAA2	0.445439	0.232504	0.290705	0.0663055	0.0768801	0.448822	0.372965	0.266112	0.0180832	0.0559072	0.0866012	0.0371844	0.0351261	0.113816	0.152819
PRKAB1	5.0508	2.61932	2.47194	3.61568	2.9496	5.52359	2.99347	2.57845	2.7	3.339	4.54832	1.95872	3.94284	2.94203	2.57474
PRKAB2	3.60156	3.87678	3.66645	2.70285	2.80379	3.43825	3.8122	3.13297	5.21709	3.64815	4.78319	2.41933	2.56975	3.49444	4.04655
PRKACA	8.67185	7.61054	8.00538	14.3952	9.86278	23.1688	12.4289	7.38689	12.1162	10.3812	17.1106	7.91058	15.9434	8.34765	8.9235
PRKACB	1.78051	0.915063	0.84334	1.38514	0.742953	2.17898	1.0045	1.65062	0.582506	2.41437	4.02388	0.87431	1.76596	1.4141	2.50188
PRKACG	0.0145462	0.0070086	0.0120337	0	0.0225953	0.0123859	0	0	0	0	0	0	0	0	0
PRKAG1	7.29699	6.66194	6.82343	11.3391	4.92961	12.0184	6.96832	5.99204	11.0607	11.6198	18.2589	6.6502	11.7547	8.01897	7.2736
PRKAG2	3.73225	1.79575	2.12298	1.4108	1.46352	2.40674	2.28224	2.06323	1.22353	1.28705	2.0743	0.804508	1.8035	1.1644	1.77171
PRKAG2-AS1	0.965513	0.50749	0.484085	0.120605	0.363582	1.22073	0.701522	0.468037	0	0.183609	0.297257	0.0418697	0.0755084	0.030583	0.4622
PRKAG3	0.161065	0.0727534	0.116589	0.0518695	0.0781843	0.197146	0.206886	0.0894633	0	0.0252692	0.0795473	0	0.0259796	0.0105225	0.0433706
PRKAR1A	16.747	14.4654	15.7985	24.7674	13.7432	34.0654	13.3718	16.3666	16.8981	25.0048	30.6509	14.0094	33.3277	21.0498	26.3084
PRKAR1B	1.57811	1.00797	0.746308	2.72518	4.5455	4.82759	1.24265	0.739246	0.994118	1.35624	2.36069	0.823246	2.9392	2.24278	2.61246
PRKAR2A	7.03047	6.34422	5.83389	9.72773	6.25156	9.28251	6.93353	6.10202	8.71463	10.7261	10.1356	8.42167	16.4863	7.87364	5.57448
PRKAR2A-AS1	0.146813	0.0643061	0.115933	0.103156	0.165855	0.340934	0.137149	0.118614	0.024382	0.0921326	0.195867	0.0572992	0.0301391	0.0871941	0.067086
PRKAR2B	2.32632	0.663984	0.889032	0.788255	0.363321	1.84626	0.873341	1.0899	0.477331	0.476049	0.842071	0.248777	0.485354	0.363429	0.853378
PRKCA	1.52	1.51939	1.82505	1.63983	1.53716	1.93914	1.70536	1.28518	0.443514	1.60636	2.06145	0.647651	1.60895	1.99708	3.5586
PRKCA-AS1	0.102403	0.123348	0.155311	0.140706	0.212089	0.0435974	0.0974336	0.166846	0	0.235631	0	0.06106	0.0110116	0.374642	0.147063
PRKCB	0.511146	0.748572	1.10373	0.633886	0.331949	0.737684	0.797929	1.00092	0.112546	0.413195	0.60962	0.103316	0.417359	0.223377	0.771395

PRLHR	0	0	0	0	0	0	0	0.0103877	0	0	0	0	0	0	0
PRLR	0.780311	0.659748	0.732428	0.342144	0.183563	0.394503	0.61252	1.51032	0.205601	0.242489	0.410794	0.175822	0.167011	0.234303	0.145466
PRM1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRM2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRM3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRMT1	13.1655	11.6414	13.2113	32.0941	12.5868	35.6415	11.4762	7.45055	13.0143	17.1726	34.1727	10.8777	22.9403	21.0132	9.96241
PRMT2	4.72289	5.06571	4.99039	5.00205	5.93051	7.90423	4.11327	3.85078	2.93091	3.96278	4.41504	2.80469	3.12605	3.62122	4.36298
PRMT3	3.04001	2.2277	2.5009	4.98285	1.34168	4.07386	1.95304	2.39316	2.24825	3.17784	4.4929	2.78719	6.31032	4.18229	2.54167
PRMT5	6.58559	5.8235	5.46273	12.621	7.49599	16.079	6.39448	5.18852	20.4377	10.2187	13.2725	7.98858	16.5437	8.73774	5.11626
PRMT5-AS1	0.21552	0.205542	0.287433	0.131799	0.0601821	0.154289	0.0620601	0.254844	0.296108	0.0924107	1.18E-31	0.0708162	0.0467596	0.162187	0.0206038
PRMT6	1.30998	2.11232	2.00848	2.72695	3.20151	3.25707	1.12676	1.87825	2.29739	1.91819	2.95762	1.27477	2.19187	1.80749	1.47996
PRMT7	1.65974	2.30136	2.34591	2.19683	4.1392	2.75832	2.18182	1.78162	1.28376	0.674969	1.28184	1.18331	1.07623	1.27919	1.58061
PRMT8	0.027805	0.0133969	0.00766743	0	0.0431908	0.0236756	0.0105823	0.0164739	0.0112878	0.0348982	0.0104628	0	0.0418592	0.106569	0
PRMT9	1.56669	1.48588	1.70991	1.40492	0.503801	1.92847	1.15487	1.2067	1.41263	1.28331	1.57002	1.15248	1.06757	1.16071	1.03419
PRNCR1	0.381625	0.551882	0.447238	0.242177	0.206941	0.0939747	0.297499	0.72652	0.0386838	0.0513019	0.0504606	0.154507	0.0216614	0.179658	0.0962185
PRND	0.0114626	0.0690359	0.0284481	0.0945006	0.19586	0.126884	0	0.00509352	0.0488607	0.40283	0.815213	0.0369082	0.133121	0.0778813	1.41571
PRNP	20.502	21.5887	22.9016	56.4555	16.3632	37.7314	15.0608	19.078	53.134	37.8677	44.4323	24.8631	66.5503	31.0789	22.2309
PRNT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRO1804	0.840327	1.242	1.27762	0.292561	0.352789	0.435118	0.59642	0.857825	0.0829803	0.42758	0.179469	0.544399	0.0439601	0.231466	0.407708
PROB1	0.377294	0.716854	0.371015	2.49427	3.31736	3.13381	0.430782	0.360613	1.20511	1.233	0.948269	2.07821	2.20463	1.78215	1.04279
PROC	0.0520069	0.225519	0.204363	0.187581	0.121177	0.154991	0.148449	0.103994	0.0158346	0.277414	0.499029	0.0837277	0.0251659	0.169882	0.168049
PROCA1	0.656312	0.440636	0.640855	0.210666	0.718649	0.403098	0.62651	0.564152	0.131035	0.0945274	0.121458	0.20786	0.0694178	0.326148	0.339935
PROCR	3.4621	1.84843	1.56106	5.65704	2.76159	6.93163	2.58186	1.55227	2.716	5.77415	10.2812	2.73388	10.5549	6.09669	4.00897
PRODH	3.59448	6.05697	7.71231	1.78278	11.988	2.56964	10.1065	4.50982	1.627	3.17248	0.813713	3.32841	2.49896	1.33111	1.06279
PRODH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROK1	0.151813	0.0812731	0.0139545	0.921303	0.812262	3.83491	0.0577784	0.224865	0.184891	0	0	0.0241392	0.0544161	0.0969761	0

PROK2	0	0	0	2.76495	0.267446	0.171038	0	0.0127512	0	1.09849	2.86685	0	1.26823	0.149976	0.494527
PROKR1	0.0144373	0.00695613	0.0358308	0	0.0224262	0.0368796	0.0164841	0	0	0	0	0	0	0	0
PROKR2	0.0309675	0	0.0085395	0	0.0160344	0	0.0117859	0	0	0	0	0	0	0.01079	0
PROM1	1.78933	0.32621	0.475639	0.0996732	0.317174	2.51185	0.441729	1.02193	0.0392649	0.0337206	0.0363951	0.0153791	0.104006	0.0589754	0.200637
PROM2	11.2002	21.4209	16.4877	24.3563	55.3402	25.3361	20.652	14.2487	34.3003	32.4612	14.6636	38.0778	35.888	18.759	8.72826
PROP1	0.0474243	0.0533161	0.0653879	0	0	0	0.0180492	0.0421468	0	0	0	0	0	0	0
PRORS1P	0.752445	0.502376	0.631368	0.21047	0.200367	0.247126	0.417285	0.47765	0.0130913	0.283319	0.0970762	0.16921	0.0277413	0.573037	0.432242
PRORY	0	0	0	0	0	0	0	0.0239716	0	0	0	0	0	0	0
PROS1	8.48027	7.87741	9.05188	4.76211	2.18081	16.6133	6.8648	9.29908	5.97294	5.10458	9.06873	2.65331	3.16019	2.59945	5.92216
PROSER1	4.36086	4.67039	4.4225	3.77424	3.30352	4.92168	4.60593	5.17674	3.81153	2.57371	3.47228	3.36699	5.07832	3.17308	2.8999
PROSER2	0.972105	0.889913	0.706542	1.41681	1.84438	1.73233	0.618383	0.697312	0.972502	1.59483	1.58337	1.12781	2.49087	1.7129	0.887499
PROSER2-AS1	0.153994	0.183725	0.200191	0.204036	0.0911259	0.12488	0.184198	0.208544	0.0982389	0.064426	0.0248342	0.115434	0.0378499	0.306605	0.231686
PROSER3	1.08921	1.60038	1.73969	1.68925	2.12747	1.98346	2.73352	1.47596	1.68116	1.13697	1.21741	2.05257	2.50486	1.49926	2.30765
PROX1	0.80673	0.460296	0.381989	0.697355	0.626565	1.02586	0.939279	0.415079	0.0969578	0.746074	0.937658	0.412041	1.95529	0.999984	1.05185
PROX1-AS1	0.0544703	0.0262446	0.0225308	0	0.0634583	0.00579759	0.0155481	0.0302554	0.00829233	0.0170914	0.0153725	0.0146156	0.0658949	0.0142343	0
PROX2	0.447584	0.644084	0.607247	0.239849	0.342991	0.147363	0.340691	0.424294	0.0799489	0.149804	0.0673688	0.123833	0.0269527	0.271355	0.239974
PROZ	0.029766	0.150588	0.0738736	0.0460121	0.115592	0.0126727	0.0339858	0.0661338	0.0181258	0	0.016801	0.0212984	0.0576146	0.0233355	0.0427477
PRPF18	6.25745	5.27777	5.76051	5.39938	3.16268	5.52462	3.13058	4.71668	6.06694	5.05978	7.76873	3.94319	5.2721	4.54027	3.33338
PRPF19	14.5188	12.9281	13.8683	27.3455	19.6184	31.2349	15.2559	10.6618	13.3099	9.09888	11.5109	9.64554	18.4924	13.088	7.69833
PRPF3	8.26412	8.30167	7.92528	7.4315	7.19529	9.44966	6.55092	6.5726	4.54089	5.86884	4.58535	6.8234	5.79608	8.03769	7.03029
PRPF31	7.19992	6.7329	6.8531	10.3151	12.5948	15.5536	6.01664	4.91953	6.86476	6.95232	6.90954	6.07784	11.0552	7.94777	6.33862
PRPF38A	6.09467	5.29778	6.03652	7.8122	4.44825	8.72979	4.15615	5.28288	4.31122	5.00881	6.43716	3.51262	6.18925	5.7947	4.29243
PRPF38B	4.18275	4.11256	3.60098	3.63783	1.95632	3.98033	1.83682	2.61435	3.00051	2.77489	2.83308	2.75607	3.16727	4.3794	2.69323
PRPF39	5.68086	5.55979	4.95328	3.68388	1.32866	3.26372	3.45502	4.51082	5.04157	3.93977	3.92613	3.99552	2.59796	3.87159	2.79287
PRPF4	3.30393	3.34935	3.06924	6.42322	3.33649	7.56181	3.16588	2.73495	3.85258	3.40171	3.87079	3.16882	6.75785	4.64149	2.61359
PRPF40A	6.59942	5.40623	5.67694	7.00794	1.87778	6.64298	2.95484	5.61392	5.85704	6.89812	7.82139	4.49319	7.79093	6.10402	4.0093

PRR20G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRR22	1.33006	1.25766	1.3754	0.633933	1.83361	1.68464	1.06303	1.09339	0.323973	0.438208	0.225221	0.868421	0.268171	0.686458	0.382027
PRR23A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRR23B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRR23C	0	0.00399523	0	0	0	0	0	0	0	0	0	0.00593317	0	0	0
PRR23D1	0	0	0	0.00369672	0	0	0	0	0	0	0	0	0	0	0
PRR23D2	0	0	0	0.003815	0	0	0	0	0	0	0	0	0	0	0
PRR25	0.0191423	0.0553383	0.0475076	0.0197267	0.356815	0.0325988	0.152992	0.0510363	0.0233132	0.0240256	0	0.0136968	0	0.0200092	0
PRR26	1.39768	1.35838	1.14042	0.458741	1.53165	0.823291	1.31163	0.923097	0.023318	0.390496	0.1567	0.791156	0.0741184	0.617912	0.838642
PRR27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRR29	0.30387	0.14093	0.166028	0.393994	0.586819	1.06457	0.207667	0.0928447	0.0258706	0.183201	0.186748	0.0581043	0.198224	0.377884	0.678477
PRR29-AS1	0.0632756	0.0114327	0.0130865	0.00815092	0.0491444	0.0740827	0.072246	0.0421756	0.00963282	0.00992717	0	0.00565942	0	0.0124015	0.011359
PRR3	0.26166	0.246263	0.235133	0.126931	0.201214	0.191409	0.244627	0.241588	0.0715772	0.0859541	0.154393	0.100294	0.082086	0.0997046	0.199198
PRR30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRR31	0	0	0	0	0.0555628	0.0913725	0	0	0	0	0	0	0	0	0
PRR32	0	0.0272633	0	0	0	0	0	0	0	0	0	0.0269918	0	0	0
PRR34	1.2353	2.59939	2.23156	0.636509	4.48385	1.5563	2.43227	1.60194	0.0614066	0.664472	0.455349	1.05526	0.113859	0.849852	1.17667
PRR34-AS1	2.19399	4.12609	3.63005	1.99841	2.28667	1.27758	3.78178	3.53486	0.534406	1.77657	0.671117	2.64344	0.429232	1.27984	2.01248
PRR35	0.0208778	0.00502962	0.0086358	0	0.0162152	0	0	0	0	0	0	0.0373466	0	0.0381908	0
PRR36	0.261301	0.298701	0.207689	0.116159	0.52527	0.335923	0.368544	0.268649	0.280796	0.0321529	0.190867	0.153973	0.0198341	0.0294557	0.0294322
PRR4	6.03689	2.68527	2.87341	0.00016725 1	3.26E-12	18.6487	3.28772	16.1422	0.00073882 6	0.00029635 6	0.117955	0.00210811	0.044158	0.190148	0.0888047
PRR5	1.58803	1.68987	1.5632	3.62562	4.01689	3.70767	1.65924	0.974401	0.77904	1.48368	3.20437	1.12969	3.19692	2.54121	2.43644
PRR5-ARHGAP8	0.727146	0.145852	0.0751099	0.0249026	0.435288	0.707608	0.757253	0.14646	0.00535923	0.0150788	0.438682	0.0932578	0.0160396	0.0715142	0.00828666
PRR5L	0.351484	0.428669	0.358923	0.588599	1.33082	0.659361	0.213198	0.253801	0.14046	0.930549	1.35774	0.298652	0.605918	1.02184	0.843922
PRR7	0.725534	0.856098	1.06568	1.1139	1.47201	1.42468	1.69059	0.539522	1.04592	0.947788	1.38735	0.646275	1.13684	0.719698	0.531611

PRR7-AS1	0.694292	0.627226	0.92138	0.29812	0.898729	0.468018	1.27165	0.681302	0.123312	0.181543	0.0816426	0.331189	0.0746589	0.544301	0.457
PRR9	0.0753232	0.172386	0.218094	3.95876	0.204755	0	0.258005	1.40576	1.92644	62.7971	0.935336	46.1617	1.62804	3.33637	7.49102
PRRC1	6.49267	5.27628	5.81538	7.07167	4.23921	9.59287	7.27251	8.0159	8.55528	7.70995	12.3454	5.47757	9.001	6.07353	8.77951
PRRC2A	1.76889	2.33345	2.38174	4.40995	4.57629	5.83265	3.3332	1.84213	2.85344	2.09836	1.58445	2.80064	4.66824	2.58584	3.10798
PRRC2B	12.5854	19.6425	19.3221	20.384	28.8887	28.6957	20.2284	13.6287	8.73681	8.59404	5.7217	13.6037	14.6077	12.4981	14.7804
PRRC2C	16.9361	17.9717	18.5297	21.879	8.09756	24.8394	12.0745	16.0655	14.2611	15.813	11.0727	16.3458	26.5778	19.031	16.4069
PRRG1	0.771182	0.572909	0.56255	1.0766	0.28325	1.4621	0.524836	0.580702	0.425653	0.886856	1.40663	0.399581	1.31866	1.18732	1.75675
PRRG2	1.46869	2.87345	3.30138	2.82832	4.8854	2.50115	3.04892	1.12067	6.08882	2.94194	3.81836	3.43927	3.53195	2.44237	1.1931
PRRG3	0.236722	0.523317	0.656617	0.157849	0.735422	0.972257	0.556462	0.148503	0	0.227202	0.550179	0.00996358	0.215621	0.181943	1.13987
PRRG4	2.97542	3.29607	3.27044	7.40724	3.89482	4.05649	2.74355	4.10015	12.2199	8.81687	7.63766	6.76373	13.4381	5.91019	1.54839
PRRT1	0.0525224	0.0707615	0.0548845	0.0170924	0.0536747	0.128344	0.0873546	0.0737014	0.0134666	0.0260215	0.0748943	0.00890081	0.0240778	0.0279596	0.109173
PRRT2	0.711304	0.63597	0.734035	0.204036	1.62887	0.936597	1.45684	0.495291	0.0178616	0.211685	0.21523	0.362042	0.0189249	0.781843	1.24268
PRRT3	0.880748	1.07102	1.31684	0.480505	3.02593	0.740335	1.21688	0.865502	0.695478	0.322825	0.446077	0.438131	0.505395	0.403172	0.832277
PRRT3-AS1	0.577954	0.576402	0.926055	0.591844	0.39586	0.265241	0.502657	0.482439	0.289755	0.283846	0.314989	0.141662	0.194551	0.355341	0.533836
PRRT4	0.261135	0.349147	0.594079	0.20183	0.496899	0.411353	0.13417	0.168254	0.087459	0.114713	0.0663274	0.158821	0.484387	0.283197	0.0562533
PRRX1	16.6449	7.4394	9.64555	16.1219	8.3272	30.8328	14.8834	9.50821	2.37477	25.2017	48.7058	2.8311	17.683	12.9629	44.2986
PRRX2	7.08966	4.83849	4.40246	7.19678	9.11774	8.27983	6.78263	2.46686	9.71102	10.0743	11.5959	4.07345	8.57807	4.70332	6.52539
PRRX2-AS1	0.184407	0.333187	0.152554	0.0950183	0.0716119	0.15702	0.21055	0.491656	0	0.115725	0	0.395844	0	0.313232	0.132416
PRSS1	0	0.0272966	0.023434	0	0	0	0	0.0503491	0	0	0	0	0	0	0
PRSS12	2.34315	2.25549	2.33615	2.58679	3.26239	2.64585	1.91838	1.77656	2.38527	1.44822	1.04548	1.53898	2.2432	3.59984	2.57286
PRSS16	0.306958	0.537101	0.407637	0.982287	1.04146	0.591524	0.479598	0.53124	1.08217	0.608312	0.346518	0.73983	0.979817	0.409518	0.162411
PRSS21	0.0198143	0.0668277	0.065567	0.0816767	0.153892	0.0506147	0.0226233	0.22892	0	0.0248689	0.0447357	0	0.0255681	0	0.0284558
PRSS22	0.617816	0.772341	0.773558	63.2375	9.88213	2.4597	0.476623	0.875534	1.44385	12.5325	2.41276	4.18168	35.7996	2.99335	2.37402
PRSS23	2.22411	1.07432	1.12818	3.58343	2.37004	5.31568	1.79621	1.58617	2.80825	7.24025	12.9392	2.05514	6.34465	5.25986	10.5896
PRSS27	1.51551	1.1105	0.587688	34.1802	8.65627	3.01101	0.79308	1.27671	16.7653	7.48958	7.25318	4.28105	12.7827	2.42572	1.08823
PRSS3	3.70665	3.97979	5.49463	4.76992	5.17317	6.87307	7.71235	4.83256	29.7441	16.4836	26.7205	15.671	25.275	9.07658	2.29682

PRSS30P	0.0546748	0.0301064	0.0323077	0.177081	0.0606634	0.152966	0.017836	0.0416489	0.0380501	0.0294096	0	0.00558875	0.0100788	0.020411	0.0673028
PRSS33	0	0.0329123	0	0	0	0	0.0155986	0	0	0	0	0.0195507	0.00881451	0.00714024	0.01962
PRSS35	0.12433	0.0513462	0.0514271	0.0183036	0.0275895	0.105865	0.060838	0.0315696	0.0108157	0.167192	0.240604	0	0	0.0417729	0.242322
PRSS36	0.228251	0.306359	0.316957	0.554446	1.31691	0.687176	0.325762	0.239074	1.3105	0.36833	0.736192	0.454963	0.33135	0.191723	0.47999
PRSS37	0.0580026	0.0558931	0.111962	0.0996223	0.0300327	0.0658513	0.0883007	0.0171826	0	0.0242664	0.0873037	0.0553366	0	0.0404196	0.0832991
PRSS38	0.0186187	0.0179416	0	0	0	0	0	0	0	0	0	0.0133222	0	0	0
PRSS3P2	0	0	0.0222106	0	0.0834087	0.0228608	0.0306543	0.0477207	0	0	0	0	0	0	0
PRSS40A	0.00516414	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRSS40B	5.96E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRSS41	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0139914	0
PRSS42	0.0374079	0.102134	0.0515775	0.01285	0.0774766	0.0106175	0.0854224	0.0997352	0	0.0156503	0	0.0267664	0	0	0.0179075
PRSS45	0.0978565	0.0353615	0.101192	0	0.0380012	0.0416617	0.0558647	0.0869667	0.0297945	0	0	0.0175047	0	0.012786	0
PRSS46P	0.0236154	0.045513	0.0195363	0	0.0366828	0	0	0	0.0287609	0	0	0	0	0	0
PRSS47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRSS48	1.24336	1.4138	1.49489	0.546695	0.643789	0.395249	1.38177	1.39966	0.161522	0.811482	0.149717	1.44717	0.0641767	1.34299	0.809481
PRSS50	0.0343624	0.0579471	0.0710674	0.0531171	0.133442	0.117036	0.0196169	0.076346	0	0.0215641	0	0.0245872	0.0332556	0.0269389	0.0246743
PRSS53	0.947176	1.60552	1.8126	15.4764	7.28555	3.44952	0.912071	1.83567	0.486438	2.0625	2.39614	3.85408	1.06761	3.9245	2.29442
PRSS54	0.0781848	0.0124368	0.0387898	0.0290492	7.40E-22	8.72E-16	4.53E-11	9.87E-21	1.49E-15	1.70E-21	1.65E-35	3.47E-27	1.36E-23	1.69E-25	1.55E-18
PRSS55	0	0.0329658	0	0.0176272	0.02657	0.043694	0	0.0152015	0	0	0	0	0	0	0
PRSS56	0.0214586	0	0.00887601	0	0	0	0	0.0286059	0	0	0	0	0	0.0112152	0
PRSS57	0.0214685	0	0	0	0	0.164521	0	0.0190794	0	0	0	0.0153613	0	0.0112204	0
PRSS58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRSS8	10.9534	15.8325	16.4558	64.1849	40.558	24.3062	20.7073	13.9974	98.0023	49.5597	58.2802	41.0979	80.362	23.6096	6.01876
PRTFDC1	0.76988	0.410282	0.434249	0.50488	0.38051	0.794597	0.386238	0.539071	0.284129	0.951638	2.69948	0.325514	0.714979	0.823036	2.46257
PRTG	0.105091	0.0487934	0.0284528	0.0827017	0.0652973	0.110635	0.0589042	0.0628304	0.0325792	0.0791404	0.183345	0.0601566	0.057942	0.140809	0.0548817
PRTN3	0	0	0	0	0	0	0.0263976	0	0	0	0	0	0.0149169	0	0

PRUNE1	2.55226	2.22796	2.17972	3.86018	2.65858	4.44872	2.24556	2.41501	1.55419	2.50616	4.50822	1.71879	2.45069	2.18136	1.86503
PRUNE2	3.22169	0.88785	1.08744	0.867749	2.03916	6.49159	2.37863	1.22553	0.288757	0.743951	1.2064	0.406659	0.457796	1.22915	5.66335
PRX	0.424527	0.563002	0.73717	0.407167	1.05118	1.2276	0.748664	0.242807	0.194525	0.174091	0.142348	0.210527	0.295598	0.316339	0.362183
PRXL2A	14.3678	15.5921	8.67927	25.2207	28.6845	32.2858	12.5845	9.70968	11.0511	39.1891	39.5373	18.4358	50.0771	28.4205	11.5496
PRXL2B	2.20229	1.11272	1.31037	2.44643	4.83327	4.20354	0.923809	0.959484	1.32376	1.90591	2.84758	1.46524	2.74812	1.26828	1.34711
PRXL2C	3.36283	1.65667	1.64105	4.18585	0.909734	6.51505	2.54533	2.04837	1.63362	5.02689	9.49053	1.63567	6.6675	4.71974	6.02324
PRY	0	0	0.00386623	0	0.00725952	0	0	0	0	0	0	0	0	0	0
PRY2	0	0	0.00386623	0	0.00725952	0	0	0	0	0	0	0	0	0	0
PSAP	118.724	83.1532	90.2908	139.823	185.307	254.78	125.808	88.3553	152.685	153.417	235.237	102.443	165.949	81.9619	146.656
PSAPL1	3.44673	13.8907	20.0292	1.69699	24.4884	1.52006	19.0275	6.60537	27.74	1.92405	1.89243	2.43085	0.127622	0.413524	1.02266
PSAT1	12.0433	10.3599	8.16397	13.6902	7.82403	12.8403	9.17113	10.0834	6.84648	5.80678	7.45786	8.4485	13.5483	8.58919	1.95941
PSCA	0.757016	0.877117	0.596435	0.482936	0.363971	1.24314	1.37882	0.768883	1.07562	0.361955	0.142429	0.206349	0.104662	0.0565214	0.025885
PSD	0.211375	0.338689	0.353794	0.146907	0.794119	0.364151	0.252566	0.340755	0.173616	0.512085	1.12649	0.239177	0.0729462	0.215809	0.670657
PSD2	0.0666503	0.0222322	0.0424137	0	0.0238918	0.0436553	0.0468303	0.0273384	0	0	0	0.0146739	0.00992365	0.00535914	0.0515406
PSD2-AS1	0	0	0.0273118	0	0	0	0	0.0293404	0	0	0	0.0236226	0	0.0345095	0.189651
PSD3	2.83081	2.3211	2.45273	1.74372	1.56938	2.11453	2.90007	2.32277	1.50875	2.55984	4.02695	1.23503	2.03722	2.82968	3.5365
PSD4	4.87295	7.5791	7.91431	10.4931	15.4954	13.1439	9.03523	4.53475	17.1944	12.8892	5.39207	12.4681	20.4997	7.62844	3.7926
PSEN1	6.22089	5.56978	6.35673	6.41471	3.51226	7.49729	5.84446	5.90006	6.50263	7.30702	7.37436	4.24999	9.95943	4.90781	5.31019
PSEN2	1.72213	1.52363	1.77459	2.2106	4.88082	5.58251	2.47221	1.54839	2.79649	2.8693	2.97864	2.14739	3.80118	2.64755	1.90914
PSENN	5.38975	4.75627	5.01813	12.2234	8.07206	14.7548	8.49183	4.1719	12.2342	14.1841	25.9078	7.83739	15.3057	7.86515	7.87908
PSG1	0.170011	0.0746494	0.0647933	0.103656	4.29E-08	0.0319695	0.0792689	0.193816	0	0.0487878	0.0094906	0.119042	0.00588007	0.143041	0.010784
PSG10P	0.0664267	0.0128022	0	0.0547637	0	0	0	0.0489467	0.0323601	0	0.0149975	0.028518	0	0.0486045	0.0572383
PSG11	0.086301	0.0277208	0	0.0296452	0	0	0.0414952	0.0681824	0	0.0902639	0	0.0157363	0	0.0300698	0
PSG2	0.0143567	1.99E-19	0	0.124776	0	0	5.98E-14	4.65E-29	0.0174849	1.24E-22	0	0.0767467	0	0	0
PSG3	0.0606474	0.0134943	0.0210464	0	1.97E-08	0	0.058432	0.0294537	0	0	0	0.036461	1.68E-37	0.00812331	0
PSG4	0.0891215	0.279728	0.153146	0.911415	0.0497451	0.0363579	0.0927513	0.121374	0.0395522	0.449523	1.0243	0.362035	0.0757609	0.0557914	0.153304

PSG5	0.0705581	0.0162204	0.0865766	0.165099	0.00034149	0	0.0515731	0.103004	0.137491	0	0	0.158804	0.392306	0.018032	0
					5										
PSG6	0.113015	0.0363017	0.0832862	0	0.0390116	0.0106924	0.0716874	0.100439	0	0.0157607	0	0.0359403	0.0542684	0.0328149	0.108203
PSG7	0.181062	0.10552	0.269222	0.136387	0.0881971	0.0966929	0.506627	0.299804	0.843048	0.303182	0.421502	0.383561	0.219801	0.100895	0.0978499
PSG8	0.0115788	2.71E-19	0.00948944	0.0312281	0.0166067	0.0092473	0.0263253	0.0712184	9.49E-26	0.0272613	0	0.0621745	6.00E-34	0.0500983	0
PSG8-AS1	0.086493	0.0178601	0.0102219	0	0.0191934	0	0.0141078	0.0549055	0	0.0930494	0	0.0353646	0	0.09041	0.0887249
PSG9	0.066503	0.0128169	0.109841	0.109653	0.0206604	0	0.106303	0.0898568	0	0	0.0600589	0.0666186	0.0343259	0.0208544	0.0191013
PSIP1	3.66708	2.5335	2.727	2.7799	1.02762	3.96257	1.49766	2.65585	0.972397	2.33349	3.01945	0.983447	2.80385	2.14012	3.07956
PSKH1	5.1176	4.87201	5.04553	7.89234	10.0484	10.7573	5.93376	3.97467	8.33899	5.14702	6.45448	4.92666	6.43759	4.91526	5.79559
PSKH2	0	0	0.00740927	0	0	0	0	0	0	0	0	0.0256339	0	0	0
PSMA1	10.7334	8.8577	9.50306	18.5743	2.41175	15.9603	7.41207	8.999	14.771	16.2391	25.8338	9.7972	19.8898	13.9243	8.41812
PSMA2	12.4568	9.07897	9.5597	24.2894	3.92887	18.535	8.17627	8.17647	17.539	25.6938	44.9346	11.5373	19.7764	16.7719	11.1923
PSMA3	13.3571	9.57524	9.22745	24.4471	2.98976	22.7467	7.12232	8.75873	13.8104	22.4983	49.2413	11.0673	21.2309	14.8588	12.4886
PSMA3-AS1	6.71753	7.20002	7.4879	4.58154	1.95735	3.20373	3.21181	5.74127	2.86395	3.14081	3.11544	3.94304	2.16992	4.4941	5.50541
PSMA4	12.9974	11.0559	10.8202	26.8561	4.50637	21.3109	6.868	9.2496	19.8618	30.7541	49.18	11.6339	28.4145	21.2101	13.2051
PSMA5	3.97698	3.47451	3.38419	8.06103	2.46546	7.40506	3.55604	2.87436	10.0444	8.6449	16.9303	5.5841	8.59424	5.88817	4.08572
PSMA6	21.6099	17.0347	17.1012	39.2973	6.83678	35.572	14.9317	15.4217	31.6787	41.7023	67.5041	19.9798	40.6519	25.2658	15.5172
PSMA7	28.57	21.4478	20.9265	63.3678	41.6272	70.2886	23.3002	17.7774	57.3545	59.6419	108.553	36.8095	69.5804	43.3659	29.7259
PSMA8	0	0	0	0	0	0.228295	0	0	0	0	0	0	0	0	0
PSMB1	33.2886	24.4172	25.3256	48.2193	15.9164	48.9104	29.3056	22.8105	43.8921	46.342	87.8926	23.3313	40.9036	30.2455	19.3909
PSMB10	5.59022	6.05196	6.58486	11.4981	11.6138	20.1761	5.30581	3.82321	4.11858	11.2319	32.1246	6.56782	9.41029	8.75306	8.09434
PSMB11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PSMB2	5.73681	5.40631	5.55088	11.878	4.99889	12.4085	7.28085	6.21485	9.47633	8.71109	13.928	7.10218	13.16	7.72976	5.92242
PSMB3	25.2945	16.8521	17.3657	53.691	29.6717	68.5011	29.9759	14.1597	30.7707	37.8045	85.7286	24.2983	39.1116	28.4607	21.9627
PSMB4	38.9053	31.6559	34.5655	57.7289	29.1091	84.8956	42.5069	24.5033	45.7674	48.6104	109.106	30.8454	52.5114	39.0981	33.0567
PSMB5	11.2214	10.9359	10.455	27.8845	18.568	29.8573	13.1029	7.70934	28.1275	26.7095	44.9739	18.0174	31.1377	21.5876	11.9779

PSMB6	20.9669	17.6084	17.5426	49.4501	29.8477	49.6958	26.1817	13.5389	58.02	50.0658	74.0023	34.3339	62.4661	33.6519	16.1989
PSMB7	27.2888	21.2909	22.3275	44.1371	19.853	51.7985	29.057	19.0928	47.1625	49.4071	74.7414	29.2722	47.6265	32.7272	17.249
PSMB8	1.02855	0.865777	1.06708	2.2546	1.03966	3.46872	0.978436	0.655052	0.471284	0.935914	2.36498	0.368014	0.875431	0.644795	1.09037
PSMB8-AS1	0.225478	0.150554	0.202355	0.27942	0.0794283	0.430709	0.136315	0.123209	0.030725	0.137691	0.401163	0.0580656	0.117109	0.0818507	0.427701
PSMB9	0.555301	0.597667	0.578229	1.15589	0.708083	2.31005	0.463689	0.449311	0.13795	0.513184	1.77144	0.104769	0.664863	0.298888	0.71813
PSMC1	20.8568	15.3105	15.9751	26.6492	13.7447	32.4964	14.2944	13.7436	32.2305	28.6586	39.7431	15.3761	36.0339	19.1307	14.8319
PSMC2	9.01211	7.71169	8.32623	11.1224	6.46189	13.4136	5.52353	6.49705	14.2948	12.7046	19.2483	7.81543	12.4758	8.77213	6.19169
PSMC3	18.9539	14.9193	15.8011	31.7441	25.5967	35.5955	16.3227	11.2211	39.3707	33.2569	35.683	18.5613	40.7505	21.55	14.4936
PSMC3IP	0.618879	1.00637	0.80441	1.20342	0.841341	1.06318	0.547946	0.882692	0.323769	0.60627	0.755678	0.612795	1.11949	1.16612	0.561995
PSMC4	9.68519	8.9777	8.57244	18.1927	11.0627	21.4458	10.8374	7.89819	20.6752	15.8286	21.8532	12.5882	23.1004	13.808	10.3495
PSMC5	22.6658	16.7888	14.9935	30.3789	28.0629	37.3921	16.2509	13.896	37.1868	23.9636	29.1791	21.7754	34.6509	21.0385	16.6804
PSMC6	9.2979	9.76472	9.69898	19.3282	3.70098	13.9785	6.86725	7.59181	16.0656	22.0815	29.3073	9.84421	23.8459	13.0751	7.86573
PSMD1	11.3385	10.4865	9.36833	19.8614	7.25469	19.6283	8.99604	9.07436	25.032	22.3121	18.4729	15.4237	30.8189	16.8178	10.9554
PSMD10	5.46964	4.60478	4.34242	9.2732	2.64936	8.6511	3.42471	4.3644	7.71795	8.23054	14.3574	5.34447	8.46203	5.7635	4.15982
PSMD11	7.79306	8.10081	8.7198	13.8063	7.52445	14.875	9.51595	8.01105	15.3837	12.5425	12.9003	10.2289	19.3233	10.6595	6.79953
PSMD12	4.98387	4.15596	4.66601	7.11421	2.07723	6.15551	3.32977	4.92481	7.48217	6.8189	7.6372	4.22994	11.9013	6.29028	3.90475
PSMD13	12.1119	11.3082	13.3667	19.8485	17.3109	21.9419	13.1691	8.7317	20.81	21.304	29.3029	10.3114	24.9763	14.8798	10.1045
PSMD14	9.48906	7.74118	9.26614	17.9323	5.21336	15.6661	7.1254	7.97789	19.2555	23.2781	29.5188	12.8078	28.7243	14.9557	8.71075
PSMD2	18.0172	17.8863	16.708	33.6542	24.9204	41.3493	18.7094	13.2501	56.7968	37.0764	27.2156	26.2954	54.9575	27.5472	19.0284
PSMD3	14.2858	14.1181	15.1099	24.7874	21.5333	33.8886	20.8178	11.4829	49.1154	23.8538	23.3303	17.3394	40.8149	19.385	11.1548
PSMD4	16.579	15.5257	15.2346	29.5619	27.5755	33.5481	15.3369	10.9715	28.9928	23.5191	35.8959	14.2353	26.7699	17.303	13.6999
PSMD5	5.36832	4.79814	4.375	7.78755	2.90362	7.61833	5.2559	5.44493	6.20588	6.3454	9.7474	3.93638	9.68685	5.77492	4.66206
PSMD6	11.0373	8.84913	9.35956	16.8929	5.8581	15.4566	6.4876	8.73648	20.3008	16.9611	22.6348	11.3514	22.8076	13.5806	8.34071
PSMD6-AS2	3.43196	3.08842	3.26729	0.916932	1.10005	0.742164	2.6227	2.96129	0.398071	1.21931	0.471471	1.2863	0.257747	1.72726	2.43829
PSMD7	16.6159	14.4158	13.998	24.7493	12.7867	26.9394	10.4747	12.008	29.8396	20.6807	30.8032	15.3299	26.5464	17.3104	12.0208
PSMD8	21.6393	18.9612	18.8346	42.6162	16.8884	49.105	26.2866	15.0214	51.6096	56.2442	77.1037	30.7733	66.8098	32.0191	19.0693

PSMD9	5.05764	4.30474	4.11077	9.74471	6.25137	9.73576	4.30289	2.74584	8.58028	9.84283	14.4401	5.59725	10.3989	6.13009	4.42304
PSME1	19.4982	18.2129	17.1028	40.187	16.8331	42.349	17.2281	12.7481	22.5295	19.3072	40.2609	14.218	21.3543	17.022	18.8836
PSME2	19.5976	16.0467	15.9354	43.8441	18.083	49.7523	11.2198	11.9337	10.9819	17.8696	44.3096	12.3846	23.6315	17.1293	23.1732
PSME3	9.87955	9.37152	9.51155	24.6133	9.84109	20.7556	13.0057	9.43839	21.9786	16.595	18.2038	14.8846	30.409	15.8493	9.91551
PSME4	7.54048	6.06305	6.6021	8.90622	3.008	6.36233	4.86865	5.75685	9.09611	8.0279	7.25732	6.42411	12.1974	9.61478	7.22875
PSMF1	5.00506	3.92933	4.08328	6.56444	4.40762	9.10125	5.29431	4.36199	4.63237	4.36051	6.3407	4.09626	7.41387	4.29712	4.36129
PSMG1	4.32189	3.42582	3.96463	10.9191	2.24682	10.4762	3.12392	2.95815	3.92646	6.45245	8.38065	4.35185	8.66898	7.6599	1.97716
PSMG2	10.8027	8.62994	8.04478	14.6925	2.88462	13.3471	7.43246	7.06292	10.9921	9.49852	18.7095	7.07239	12.3681	7.33662	5.53462
PSMG3	5.87189	5.65041	5.57676	7.35263	8.17837	8.98013	5.84287	3.30889	9.66822	7.16394	12.387	6.17312	7.30186	5.47772	3.72172
PSMG3-AS1	0.523029	0.483772	0.442161	0.342282	0.871746	1.71639	0.623331	0.420717	0.362666	0.287498	0.349089	0.278632	0.435982	0.31925	0.219309
PSMG4	3.30932	3.25317	3.85851	3.34169	2.51851	4.99269	3.55024	2.38837	2.21806	3.67964	7.52177	2.06596	2.67969	2.66985	1.46725
PSORS1C1	0.0807415	0.18018	0.130075	0.091965	0.105616	0.293093	0.262008	0.0906395	0.129387	0.133341	0.225469	0.0881793	0.0438686	0.079956	0.0244116
PSORS1C2	1.63753	2.91392	3.46288	2.77457	5.56585	1.86481	4.32434	2.44038	22.2883	0.727118	1.58016	1.80666	0.123153	0.0437548	0.0673287
PSORS1C3	0.072405	0.00930289	0.0379357	0.0198975	0.011247	0.00411013	0.0358235	0.0171593	0.0382118	0.0121168	0.0326945	0.00345385	0.00155718	0.0264894	0.0173305
PSPC1	3.61596	3.52004	3.35428	3.23206	3.25422	3.78411	2.72431	2.82372	2.01219	2.40814	4.23471	2.07104	2.68216	3.35762	3.40312
PSPH	0.826735	1.16076	0.59318	2.57101	3.00669	2.02829	0.778563	0.780821	2.70146	1.79914	3.55249	1.78362	2.31943	1.68029	1.13501
PSPN	0.236844	0.363837	0.195934	0.0697356	0.738048	0.378818	0.347684	0.121301	0.0412071	0.0424662	0.229172	0.266307	0.130981	0.0709922	0.150718
PSRC1	0.246317	0.299278	0.354383	1.37955	0.731959	2.0244	0.721432	0.171318	0.326072	0.793043	1.31777	0.329504	1.10554	1.19221	0.692104
PSTK	0.759679	0.575181	0.471344	0.615112	0.526805	0.554448	0.480154	0.421962	0.611294	0.340526	0.81164	0.349438	0.393863	0.255241	0.0974102
PSTPIP1	0.55284	0.514364	0.481005	0.923336	2.10247	1.48526	0.598567	0.482848	0.24378	0.741725	1.17286	0.436493	1.45751	0.951504	2.23127
PSTPIP2	2.55614	2.83929	2.91869	4.59799	1.03425	4.4117	1.34567	2.72739	1.87345	1.86346	1.86612	1.02401	4.09834	1.92793	1.0771
PTAFR	1.56737	1.51283	1.60497	5.97161	1.85575	3.76033	1.84205	1.63797	9.14028	4.70978	6.13799	0.913273	8.96961	1.77711	3.64406
PTAR1	3.43082	2.73469	3.17347	2.59353	0.679568	2.71739	2.57641	4.35867	1.39652	2.83793	3.66762	1.58988	2.5894	2.45738	2.95956
PTBP1	23.3333	23.5248	26.1354	45.0107	29.6486	59.3267	32.9472	21.7715	30.5054	28.7997	38.4515	26.8511	58.5612	30.6555	23.9571
PTBP2	2.54946	1.55785	1.85103	1.64437	0.326133	1.895	1.45887	2.19644	0.467569	1.67897	2.86447	1.06448	0.932753	1.82155	2.92045
PTBP3	10.4838	12.069	12.2189	22.387	4.15637	14.8572	11.1324	14.7874	24.0575	21.9308	20.6901	16.8532	38.1526	16.6423	11.8025

PTCD1	1.1482	1.16493	0.926613	1.37732	2.06776	1.96707	1.26295	0.769968	1.00386	0.974815	0.637309	1.16704	1.67291	1.41308	0.88427
PTCD2	1.00956	1.30594	1.07121	1.79805	1.41478	1.55107	0.977274	1.22879	0.975605	1.06051	1.59801	0.926514	1.17529	1.06101	0.977076
PTCD3	3.99694	3.7191	4.03723	3.88875	1.84711	2.92634	2.55058	3.53687	2.06767	2.243	2.89035	2.464	3.35488	3.33912	2.87746
PTCH1	1.49145	1.07445	1.23776	0.538613	0.899262	1.48576	1.71431	1.1617	0.343207	0.199465	0.367476	0.265899	0.354939	0.322811	0.39683
PTCH2	0.419512	0.34891	0.355313	0.12352	0.449946	0.191362	0.872436	0.261867	0.145976	0.112828	0.0338269	0.32876	0.0676667	0.107017	0.631161
PTCHD1	0.0306183	0.00421496	0.0325666	0	0	0.0297955	0.124853	0.00388728	0	0	0	0	0.0112884	0	0
PTCHD1-AS	0.0429484	0.0206932	0.0101514	0.0505824	0	0.0313457	0.0140106	0.0272635	0.00747233	0.00770066	0.0069262	0	0.00395858	0.01924	0.0352453
PTCHD3	0.0640828	0.0529304	0.0227202	0.481143	0.412391	0.0545657	0.0209051	0.0406796	0.211838	0.0114901	0.062007	0.0720547	0.466618	0.105262	0
PTCHD4	0.600049	0.453268	0.606028	0.324287	0.480273	0.558415	0.491914	0.300724	0.099679	0.54712	0.595894	0.351308	0.345058	0.401458	0.673734
PTCRA	0	0	0	0	0.0307258	0	0	0.0703166	0	0.0496528	0.0669888	0	0	0.0103381	0
PTCSC1	0.799173	0.353297	0.483921	0.500935	0.204766	0.168367	0.442124	0.929899	0.010034	0.32056	0.167412	0.112008	0	0.23683	0.816414
PTCSC2	0.106979	0.0687253	0.0590002	0	0.0184639	0.0101212	0.0407149	0.08451	0.0144764	0.0596752	0	0.0170102	0.0153382	0.0310621	0.0512116
PTCSC3	0.220984	0.358138	0.299149	0.22773	0.405676	0.0513177	0.1835	0.392784	0.0244667	0.151286	0.158749	0.301865	0.103693	0.220492	0.173106
PTDSS1	11.7431	10.3888	10.903	11.3197	7.21226	18.5214	13.9338	7.82719	12.4096	11.1448	16.2241	7.69165	15.9985	10.0183	7.7318
PTDSS2	1.98518	2.09757	1.86558	4.58507	6.05915	6.70955	2.54497	1.46248	3.96592	4.78651	5.87777	3.59473	7.75797	4.53699	3.60123
PTEN	9.25002	7.47845	7.02714	12.5644	4.36486	11.5186	4.59427	8.45282	10.8282	12.471	17.4975	7.41273	14.5285	10.7948	8.96505
PTENP1	0.0140339	0.0249664	0.0227061	1.15E-40	0.0194889	0.063609	0.0158371	0.0440645	0.0349041	0.0263093	0.0238485	0.0150091	0.0136844	0.0184006	0.0410064
PTENP1-AS	0	0.0328395	0	0	0.329809	0.0677959	0	0.0235867	0.0646459	0	0.0898817	0	0	0	0.0762302
PTER	1.79573	1.38777	1.66696	1.96049	0.607591	2.49794	1.32627	1.86452	0.440288	1.17527	1.90673	0.483427	1.60216	1.14296	0.90219
PTF1A	0	0	0	0	0	0	0	0.0154296	0	0	0	0	0	0	0
PTGDR	0.465455	0.139705	0.18306	0.188721	0.260759	0.27938	0.409472	0.291595	0	0.0478848	0.215345	0	0.0787697	0.0957117	0.920492
PTGDR2	0.235804	0.164683	0.247964	0.101718	0.161591	0.187129	0.390938	0.150954	0.0403951	0.0513553	0.103375	0.0727465	0.0803163	0.166109	0.059541
PTGDS	32.1495	23.8531	29.1663	14.7738	91.1568	65.8404	13.0493	37.1585	3.26287	9.65845	36.7754	1.28479	5.1305	2.59191	22.1849
PTGER1	0.0977187	0.0784706	0.0673665	0.201404	1.08783	1.42837	0.0371907	0.115792	0	0.0817647	0.147083	0.151494	0.147111	0.119168	0.444399
PTGER2	0.663098	0.215994	0.370858	0.596721	0.101551	1.169	0.213269	0.282203	0.0113743	0.269604	0.579867	0.0400956	0.415776	0.161079	0.496265
PTGER3	1.47399	2.28205	2.39427	1.33046	2.04724	1.5543	1.61178	2.9996	19.0118	1.22676	2.85643	2.54243	0.138371	0.326078	1.64321

PTGER4	2.52026	1.29917	1.78229	1.61976	1.39966	2.77476	2.39796	1.44503	0.717843	1.98124	4.12228	0.756229	2.16808	1.95809	4.11562
PTGER4P2-CDK2AP2P2	0.0778824	0.092369	0.0941666	0.0679124	0.0930602	0.0969232	0.123125	0.0532426	0.00729631	0.0225578	0.0338152	0.0342935	0.112095	0.0250491	0.0258113
PTGES	4.68818	6.21493	8.27106	14.3471	11.346	19.9486	8.14752	4.9261	3.54883	6.95695	13.3333	4.95765	21.5412	8.60295	7.97895
PTGES2	4.26772	4.3333	4.09923	6.8676	8.85383	9.18641	4.09877	2.67277	4.30226	4.4577	6.86554	4.70006	5.82116	5.45398	3.22217
PTGES2-AS1	0.667843	0.61852	0.753353	0.414241	0.773284	0.57639	0.868558	0.718878	0.21795	0.316279	0.140466	0.378368	0.141483	0.481925	0.437046
PTGES3	13.6243	12.8891	14.5098	31.3987	8.55629	20.8421	10.4405	16.5621	18.5331	19.1085	24.3573	13.1442	31.0283	19.0879	11.2156
PTGES3L	0.126891	0.072257	0.0661719	0.0356674	0.0312112	0.0589412	0.0888451	0.0205061	4.52E-27	0.025892	0.117132	0.0987859	0.0476269	0.0872703	0.132408
PTGES3L-AARSD1	0.00011833	5.05E-05	0.0462502	3.25E-06	0.0108842	5.15E-06	0.122317	1.77E-06	0.0326601	0.206484	0.00052058	0.00081538	0.0160396	0.198536	0.00081362
	2										1	8			3
PTGFR	4.94729	1.67127	2.33019	0.619185	0.79431	3.83522	2.35486	2.64337	0.0363284	1.67403	3.61266	0.240876	1.79533	1.50108	5.17122
PTGFRN	10.1233	12.0587	13.616	26.7741	19.2731	25.8532	11.8054	8.54051	18.8663	21.6057	14.2259	18.9154	40.7194	25.1014	23.4898
PTGIR	0.865368	0.304692	0.468084	1.28051	1.93016	3.75982	0.6587	0.295795	0.067559	0.724084	1.60311	0.269905	1.98995	1.58298	3.10695
PTGIS	7.53812	3.55038	5.57316	0.651256	2.46376	14.3038	19.265	2.58059	0.0352132	0.388813	1.03514	0.0236437	0.823473	0.120891	6.69117
PTGR1	6.83438	7.51858	6.18772	13.7536	9.29483	20.5677	5.35849	5.04414	13.2712	8.7619	14.2383	7.67112	9.57604	11.6051	4.92859
PTGR2	1.47611	1.23943	1.26399	1.67241	0.58999	2.49908	0.926466	1.21979	1.21952	1.02926	1.21809	1.00061	0.718463	1.26325	0.61985
PTGS1	6.70693	22.8846	23.5473	9.90486	20.2365	18.3468	22.1567	13.2714	19.2802	10.1208	10.1669	13.7951	18.3021	16.4437	11.7671
PTGS2	0.33996	0.352414	0.507083	2.36744	0.112016	1.10526	0.423442	0.357061	0.144284	11.6498	9.22218	8.99659	132.728	23.6689	15.8747
PTH	0	0.0116517	0	0	0	0	0	0.0214918	0	0	0	0	0	0	0
PTH1R	0.895095	0.644308	0.99921	0.755719	1.77568	2.36913	1.18206	0.632555	0.13134	0.297778	1.0348	0.208344	0.132201	0.518543	0.867305
PTH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTH2R	0.0148926	0.0215264	0.0369605	0.00767361	0.115667	0.0190212	0.0340077	0.0330882	0	0.00934585	0.0672474	0	0.048043	0.0194588	0
PTHLH	0.280628	0.160563	0.101568	1.20197	0.245201	1.37397	0.230296	0.311749	2.21085	59.162	19.0373	11.1379	95.7131	28.4353	13.2618
PTK2	6.68384	4.77026	5.64441	6.13531	3.99195	7.66623	5.09024	4.56783	3.52373	7.07075	7.51775	3.9663	8.07059	5.64337	9.98835
PTK2B	3.53526	4.35348	5.21974	4.59122	5.82071	4.36775	4.15744	4.73421	4.97427	2.79285	2.24012	2.71569	6.13113	2.96032	2.87749
PTK6	8.04068	12.9859	12.6702	16.9637	29.3001	13.3062	10.3288	7.53467	35.7532	15.7554	15.0858	19.0322	18.8883	13.3004	3.86989
PTK7	5.0388	6.66887	5.9297	17.6969	20.2952	21.3549	6.54361	5.01933	8.52032	17.5483	22.4239	11.0135	25.5173	22.8816	19.6685

PTMA	242.439	234.829	271.659	365.397	251.338	478.121	212.464	296.528	202.125	195.784	348.595	157.014	278.143	247.521	162.822
PTMS	33.3003	37.1762	39.7813	70.7705	151.356	99.997	58.8125	26.4734	60.3428	58.3188	100.727	37.5384	89.1996	55.0952	46.8162
PTN	1.55171	1.02801	0.903651	0.462894	1.79191	1.72113	0.31471	0.734882	0.882744	0.730337	1.60188	0.124178	0.131732	0.261439	6.91996
PTOV1	7.6303	8.15565	8.1897	13.1845	18.8515	16.112	10.3768	5.86534	14.6064	11.4344	18.2793	9.19358	13.5029	10.411	10.7849
PTOV1-AS1	1.22826	1.95189	1.67568	1.93195	1.15479	2.45866	1.23017	1.35968	1.23345	1.47398	1.22844	1.51872	1.1887	1.68933	1.65563
PTOV1-AS2	2.43832	3.0991	3.25179	2.0362	6.23641	4.02711	2.424	2.27906	0.640842	1.21359	0.640683	2.57191	0.691663	3.40566	4.34699
PTP4A1	9.51371	6.67419	7.52053	27.3598	2.7338	11.8414	8.04299	12.4885	16.1282	16.3071	15.8017	14.4997	22.2348	13.9281	8.69932
PTP4A2	10.7027	6.99584	7.70402	12.5104	3.14749	21.677	6.64462	9.81534	5.53812	13.8397	20.0679	4.13463	19.5197	10.236	13.3232
PTP4A3	2.55945	1.27722	1.753	2.00388	3.71754	20.3786	3.06461	2.48142	0.617351	1.74177	4.48404	0.654055	2.0749	2.51899	6.50407
PTPA	10.6408	12.1208	10.8473	19.0465	32.2995	30.8639	13.6213	7.9518	22.1565	19.636	26.6766	14.1308	24.9911	13.3994	13.529
PTPDC1	1.17071	1.18776	1.06299	1.15251	0.761416	1.38992	0.92916	0.934699	0.307184	1.03931	1.24638	0.578884	0.939571	1.18642	1.54461
PTPMT1	3.20738	2.55528	2.74843	5.43144	2.84479	5.6911	3.19972	2.41803	4.21209	5.01382	8.8724	2.78407	6.1598	3.69569	2.68454
PTPN1	8.26205	7.74565	8.82843	14.3851	6.68939	15.3475	7.9948	7.31957	5.91716	9.55455	9.21696	6.30225	17.6483	9.78034	9.95321
PTPN11	13.6274	9.38977	10.0702	16.9634	8.28264	19.4238	9.85344	10.4663	19.1047	15.2872	13.5098	10.6242	27.522	14.8336	13.4901
PTPN12	11.9961	10.8432	11.4397	16.2906	2.21343	13.2927	4.38395	9.04547	16.6875	20.422	15.4599	8.68904	41.9754	17.063	16.1193
PTPN13	13.5941	20.3547	22.929	12.1959	10.6502	9.01296	16.6398	14.4212	19.0173	10.81	9.51269	12.8102	11.9931	12.6382	5.91719
PTPN14	7.45784	10.8156	12.476	8.32065	6.52235	7.13597	8.81389	8.30018	6.28374	5.36945	5.35223	5.5149	7.14544	6.14991	7.09823
PTPN18	4.5731	2.23986	2.38472	4.51767	5.25179	8.70631	4.11232	2.91501	0.921852	2.99257	5.02007	1.68799	3.2802	3.53407	4.49311
PTPN2	2.89923	2.83455	2.5851	5.70228	1.14778	3.96233	1.75172	2.33096	3.23554	2.90257	4.69282	2.53457	4.1342	3.33123	3.53991
PTPN20	0.268428	0.565637	0.663513	0.69989	0.145686	0.0688443	0.369256	0.551842	0.291467	0.231369	0.113177	0.229093	0.208661	0.278894	0.0139336
PTPN21	3.15029	5.71797	6.26274	3.32705	5.55867	4.11242	5.48462	2.96187	5.56003	4.23435	2.99299	3.68225	5.45136	4.2388	3.45465
PTPN22	0.487689	0.326525	0.335336	1.71007	0.216443	0.63098	0.115704	0.602281	0.601664	0.651846	1.26553	0.222062	0.396383	0.486604	1.03693
PTPN23	4.86785	7.46706	7.14428	8.71438	12.1693	13.9197	10.8558	6.14849	8.45254	5.14173	4.64444	8.77498	12.5145	6.32934	5.88338
PTPN3	5.21487	8.42424	10.0329	3.99153	4.16759	3.05272	8.80164	7.40928	13.1621	3.28444	2.19957	5.62917	3.0217	2.64897	1.45509
PTPN4	1.87503	1.53934	1.42835	1.20925	0.688657	1.07188	1.13312	1.85434	0.81238	0.901016	1.31317	0.953115	0.957838	0.985289	0.88786
PTPN5	0.155671	0.0472251	0.0572364	0.172306	0.161207	0.0883677	0.17774	0.0819835	0.00702183	0.0868368	0.182242	0.140265	0.200876	0.183814	0.240123

PTPN6	2.72057	3.34258	4.21624	5.83158	5.22614	5.45932	2.98201	3.32854	1.98801	3.34631	5.49743	1.95963	5.4005	2.24185	3.49034
PTPN7	0.37596	0.300181	0.377668	0.619901	0.500569	0.644823	0.233027	0.362761	0.104658	0.444905	0.551736	0.11529	0.731167	0.415443	0.755897
PTPN9	3.84838	2.99047	3.54763	5.32611	3.69971	7.9923	3.74424	2.67979	1.51467	4.53559	7.64232	1.97706	6.11654	4.51936	6.42822
PTPRA	11.2147	9.01853	10.0489	11.7236	7.33548	15.4561	11.1625	9.28558	15.0313	10.5165	12.59	7.99452	12.8499	8.78839	9.21436
PTPRB	4.63046	1.76639	1.94272	2.01987	1.52087	3.91926	2.78423	1.84496	0.782247	2.40691	3.76666	1.60131	2.44962	3.53684	5.15392
PTPRC	2.25969	1.2271	1.75576	5.01436	0.814492	3.42295	1.05126	2.47976	0.277485	4.3326	6.89862	0.448881	6.19214	1.84654	6.84906
PTPRCAP	2.37299	2.11457	2.89189	2.18249	7.41179	3.32417	2.91334	2.08624	0.403984	1.05683	2.24675	1.13196	1.62982	1.58696	3.15141
PTPRD	0.812397	0.383751	0.278618	0.62145	0.463062	0.974643	1.30171	0.323581	0.166287	0.645486	1.04297	0.48034	0.850096	1.50453	3.68314
PTPRD-AS1	0.0693945	0.0167177	0.014352	0.0178783	0.0269484	0.0295442	0.0792323	0.030836	0	0	0.0979221	0.0124134	0	0.0816043	0.323892
PTPRD-AS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTPRE	3.00076	1.4414	1.35727	3.76489	1.87112	3.28219	2.29804	1.84022	5.37415	4.69249	5.13977	3.44761	7.57107	5.57528	4.70363
PTPRF	23.4722	47.9889	47.4609	54.5485	56.5519	54.4581	35.6326	31.2431	34.2403	24.1327	12.3519	38.0969	47.2166	22.5122	10.4636
PTPRG	6.9276	2.51595	2.43351	6.22787	5.09929	9.58622	4.18539	3.92295	1.47118	5.15137	7.45885	2.25426	6.19687	6.8174	10.3739
PTPRG-AS1	0.283861	0.100565	0.19339	0.20649	0.0259373	0.305685	0.11439	0.281951	0.010463	0.0943082	0.188497	0.107564	0.075413	0.266172	0.407661
PTPRH	0.0412427	0.0823242	0.126727	0.0789319	0.018304	0.205689	0.0403625	0.0418892	0.0430534	0.0665535	0.0598601	0.050589	0.0874315	0.110856	0.042307
PTPRJ	1.7474	1.45632	1.90205	2.55803	1.09228	3.85503	1.74277	1.94689	0.345588	1.82091	2.69539	0.409734	2.36685	1.24655	2.82323
PTPRK	8.15597	6.84074	6.51693	8.68809	5.24816	8.5016	6.34754	5.30702	7.15688	5.40343	6.71339	4.89804	7.06009	6.4059	7.44263
PTPRM	9.00111	3.5244	4.01715	4.20349	5.87383	13.8687	5.91243	4.94366	1.22809	4.31558	6.39609	1.93095	4.20494	5.88138	14.5175
PTPRN	0.0118379	0.00570367	0.00489656	0.140292	0.0183883	0.0151197	0.00675805	0.0157808	0	2.15437	4.17608	0.0127055	0.759954	0.361939	0.518521
PTPRN2	0.548055	0.324173	0.357551	0.753048	1.36349	1.14958	0.422255	0.269272	0.336448	0.782935	0.985872	0.825742	0.635333	0.31904	0.774278
PTPRO	0.0818311	0.0657125	0.11032	0.215508	0.0706178	0.224518	0.0588276	0.118514	0.0110735	0.155962	0.304502	0.0195175	0.0762623	0.085537	0.165398
PTPRQ	0.0337184	0.0118153	0.0202867	0	0	0.0078302	0	0	0	0	0.00346035	0	0	0	0
PTPRR	0.025812	0.00746197	0.00854141	0.01064	0	0.03077	0.0176828	0.0183517	0	0.0453554	0.0349663	0.00738767	0.026646	0.0026981	0.0593109
PTPRS	8.56794	12.5228	16.3109	6.49884	13.0741	16.7641	17.8963	9.60225	3.12662	2.96913	3.57371	2.89854	4.57488	3.29435	8.65844
PTPRT	0.218778	0.132642	0.203612	0.0319397	0.226558	0.128848	0.33514	0.173368	0	0	0.00411622	0.00130451	0.0105866	0.00857572	0.0418924
PTPRU	3.76278	2.61566	4.03616	1.24322	4.1367	5.14311	4.88185	2.63295	1.78909	1.15364	1.19511	1.0012	2.75075	2.25182	2.11557

PTPRVP	0.07347	0.0762439	0.093507	0.0174722	0.114124	0.091432	0.116149	0.0502262	0	0	0	0.00808765	0	0.0206762	0.0324653
PTPRZ1	8.94063	15.8369	13.4476	9.1404	7.65335	6.82312	7.65936	10.9552	12.2083	8.42325	9.51652	10.1033	6.0539	8.34045	2.71707
PTRH1	2.49921	2.62883	3.17778	6.92533	12.4635	5.84494	4.65883	1.57628	9.69295	3.89239	6.86372	3.73756	4.74567	4.2875	1.3585
PTRH2	2.40813	2.26027	2.56999	3.51298	1.00399	2.57421	1.51164	2.37176	1.77747	2.55142	4.82499	1.42471	2.40792	2.99279	1.67679
PTRHD1	8.12958	6.43975	5.60796	10.5365	4.39917	12.8595	9.00464	4.92443	10.9649	10.9969	29.6564	9.06329	8.54188	8.6836	5.00017
PTS	3.91499	3.28312	3.79222	8.784	1.61656	5.19023	2.63108	3.21507	8.72125	11.6312	15.7761	6.73726	10.5674	9.37601	4.62604
PTTG1	2.43401	2.28782	1.63398	11.7809	4.46265	9.75115	3.1891	1.383	4.05775	10.6171	16.779	6.92359	8.94622	9.53041	3.29498
PTTG1IP	21.6366	12.7689	14.7758	26.5083	25.6329	42.2353	18.2988	12.8312	17.9524	35.4294	51.4304	14.567	45.7192	25.8598	29.3559
PTTG2	0.36161	0.0967941	0.0997165	0.0828111	0.249647	0.0342118	0.09175	0.0714153	0	0.0504287	0.045357	0	0	0.167994	0
PTTG3P	0.329673	0.127073	0.436366	0	0.409677	0.0842137	0.037641	0.20509	0	0	0	0.188712	0	0.103381	0.331417
PTX3	0.895629	0.207133	0.217339	5.50091	0.593588	47.0687	0.177251	0.360835	0	0.404678	0.727959	0.068357	0.523922	0.137308	2.93262
PTX4	0	0.00713415	0.0122492	0.0305177	0.0460002	0.0378234	0.101436	0.0263181	0.018033	0.0185841	0.0501451	0.0105947	0	0.0154774	0
PUDP	0.898483	0.87492	0.993661	1.89081	0.734556	1.81196	1.13384	1.14311	0.967549	1.47193	2.17802	0.974484	2.00148	0.983662	1.14093
PUF60	11.7271	11.2115	12.0666	22.9578	16.2979	22.9272	12.5014	8.58137	15.1823	13.1443	14.6106	10.7427	20.8667	12.8526	7.95996
PUM1	10.7958	13.6459	13.5282	14.7039	10.8148	17.8617	13.8916	10.6676	13.3679	11.6727	11.0956	11.667	15.1952	12.2304	9.11607
PUM2	12.0247	13.6669	13.8094	11.2659	4.27167	11.2355	10.1417	12.3489	13.2688	11.3268	12.3756	8.89212	10.9815	9.97251	8.44267
PUM3	7.98899	6.18086	5.38388	11.8979	2.96471	10.6745	2.64359	5.48717	5.91911	7.21264	9.17164	6.61931	11.325	10.4221	4.58329
PURA	3.8426	4.58328	4.59653	3.60852	3.34095	4.30301	3.08463	4.59217	3.56713	3.25365	4.09107	2.59309	3.86692	3.3746	3.36507
PURB	6.01928	6.0027	6.25763	8.33018	3.68466	6.62285	4.36767	6.47135	8.71018	7.38871	7.25472	6.2246	10.8659	7.10064	4.64936
PURG	0.0797825	0.0177417	0.0660017	0.0442713	0.0476653	0.0365797	0.0350358	0.0327249	0	0.100135	0.0831364	0.00878254	0.00791927	0.0416978	0.114578
PURPL	0.146475	0.0303915	0.0346213	0	0	0.106904	0.16724	0	0	0	0	0	0	0.0109363	0
PUS1	2.43436	2.47971	2.48285	5.39538	5.38719	5.19626	1.71337	1.48182	2.05774	1.71603	1.55599	2.68832	5.22826	4.52566	1.99546
PUS10	0.745458	1.06663	0.981105	1.22216	0.526342	0.495295	0.58677	1.66127	1.59568	0.616662	0.822402	0.913235	0.411735	0.5608	0.63261
PUS3	1.50606	1.91085	1.76505	3.19461	0.604351	3.1846	1.03174	1.31615	2.33861	1.77999	3.0461	1.74216	3.88679	2.20396	0.991323
PUS7	2.71924	2.54773	2.68861	4.6322	1.50636	5.40632	2.34164	2.3817	2.74514	2.35205	2.95873	2.48018	5.09851	3.81152	2.11727
PUS7L	1.936	1.48743	1.43711	2.35099	0.308856	1.88461	1.21277	2.30183	0.853917	1.91107	2.30955	1.1157	1.85001	1.64903	1.57803

PUSL1	1.96449	3.08034	3.32161	4.45737	6.69194	7.08711	3.89572	2.23594	7.82816	5.92618	8.59831	5.11704	8.49431	5.60197	2.846
PVALB	0.0777918	0.0187406	0	0	0	0.0331193	0	0	0	0.0488183	0.0439086	0	0.0501909	0	0
PVALEF	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00926154	0
PVR	1.24123	1.52528	1.46646	3.95864	2.7889	3.32582	1.62522	1.3055	2.32068	4.48303	2.33104	3.36513	10.5554	5.62419	3.72319
PVRIG	0.986795	1.67376	1.80498	0.397697	3.47559	0.624376	1.49809	1.03519	0.319888	0.141734	0.187212	0.789098	0.324006	0.947241	1.75041
PVRIG2P	0.717072	1.4471	1.43179	0.680564	13.0181	1.48649	1.93623	0.542038	0.817021	0.620942	0.00705559	2.3623	0.00036368	0.973263	1.90416
PVT1	1.38381	1.44844	0.85859	1.9178	3.85434	2.0417	1.2531	1.06019	1.14777	0.658796	1.07735	2.68024	0.354052	1.69587	0.753814
PWAR1	0.153519	0.04623	0.0952516	0.00988789	0.0149043	0.0408499	0.0657313	0.144962	0	0.036128	0.0433261	0	0.00619062	0.0300885	0.110237
PWAR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PWAR5	2.93662	2.27113	2.94591	0.650508	0.405001	1.09251	1.98983	3.61595	0.0584938	0.740597	0.410512	0.353478	0.46482	0.706442	1.3598
PWAR6	0.646762	0.471053	0.74243	0.155002	0.0545156	0.209184	0.475128	0.80203	0.0305304	0.289462	0.26601	0.154259	0.0517566	0.330165	0.496817
PWARSN	2.38871	2.16377	2.91272	0.426441	1.04877	1.00828	1.57715	2.08097	0.0627393	0.591531	0.41495	0.420192	0.320177	0.937289	1.47295
PWP1	6.55441	5.31486	5.90435	10.0359	2.59779	10.2701	4.82192	5.5923	6.2029	8.24763	11.8423	5.27603	12.932	8.59477	5.88308
PWP2	2.3356	2.65769	2.4901	5.26008	5.67908	7.32628	3.03146	1.86118	2.83586	3.03834	2.31604	2.78362	5.61087	4.22974	2.93622
PWRN1	0.0965635	0.00775429	0.0399421	0.0331705	0.124997	0	0.0183755	0	0.254808	0.0201995	0.018168	0.241828	0	0	0
PWRN2	0.00538837	0	0	0	0.05859	0	0.00615227	0	0	0.0338148	0	0.0192776	0	0	0
PWRN3	0.0817776	0.0525356	0.0676522	0.140457	0.508115	0	0.0311237	0.0969028	0.331986	0	0.0615445	0.663159	0.035175	0.0142468	0.0782953
PWRN4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PWWP2A	2.23821	2.63438	2.60283	2.66569	2.17542	2.34141	1.7341	2.20794	2.71031	1.79787	2.37506	1.56489	2.00727	1.9736	1.42809
PWWP2B	2.93275	2.92001	3.20316	3.98101	7.63854	5.46212	3.34852	2.07093	2.53585	2.57997	2.25048	2.02873	4.65334	3.26007	2.62125
PXDC1	7.73193	5.66174	7.11196	5.67433	8.24176	16.6522	7.05764	5.06222	7.72086	9.50578	14.2774	4.66443	10.6306	7.69618	7.75616
PXDN	2.08487	1.12825	0.922476	18.3477	8.0097	10.0904	2.80868	2.07808	1.09878	11.8325	21.1095	2.95213	26.5388	16.2334	30.6207
PXDNL	0.04333	0.0719099	0.0438114	0.0893057	0.336533	0.102486	0.0219879	0.0984097	0.0996788	0.0845968	0.168482	0.199802	0.0652314	0.062906	0.207425
PXK	3.13572	2.72328	2.75588	2.5865	1.39746	3.9079	2.60518	3.55733	2.05636	2.56104	3.79006	1.6233	2.51106	2.5997	3.58578
PXMP2	2.29738	1.93418	2.20064	5.30822	5.48441	2.94458	2.76113	1.8268	2.32671	3.0352	6.14239	2.00721	2.49643	2.69212	1.38919
PXMP4	2.49952	3.96885	2.58216	1.62497	6.44215	2.0487	3.66792	2.02659	11.4731	1.21283	3.23282	2.94505	0.897369	0.648821	1.03666

PXN	9.25011	7.44982	8.84015	20.8088	12.4554	31.5226	14.9874	7.56143	3.99671	12.7843	14.1321	7.78739	33.1875	18.5039	17.7781
PXN-AS1	0.87598	0.719967	1.3382	0.890594	0.671617	1.23492	1.44357	0.836569	0.264982	0.588028	1.24827	0.637235	0.611311	0.65695	1.56205
PXT1	0.0549194	0.0105844	0.0272599	0.0339576	0.0682471	0.0748211	0.012541	0.0195231	0	0.0137859	0.0123994	0.00785927	0.0212602	0.034444	0.141968
PXYLP1	1.30925	1.21142	1.43875	0.818928	0.445191	1.4254	1.36843	1.14039	0.452176	0.866584	1.68386	0.302946	0.685022	0.524266	1.31898
PYCARD	15.3965	17.0071	9.42433	36.1867	51.8697	42.5505	26.9277	11.6117	66.2631	22.626	69.3142	31.9165	19.125	12.1445	6.92007
PYCARD-AS1	0.480676	0.814934	0.760463	1.26618	1.66305	0.484009	0.682024	0.424383	1.04753	0.633303	1.60189	0.697517	0.585275	0.329989	0.032031
PYCR1	1.0071	0.897682	0.691506	3.72585	5.27192	2.70979	1.19586	0.832371	0.932162	3.23586	8.0719	1.33312	4.08707	3.12654	7.1014
PYCR2	3.84193	4.03593	4.60531	10.2077	8.4849	15.2885	3.41677	3.03115	2.14854	4.75641	9.51495	2.88926	8.84443	5.91455	4.61667
PYCR3	0.665843	0.936516	0.923617	1.90603	1.7447	2.70878	0.998291	0.627609	0.556996	1.05518	1.40461	1.02023	2.02214	1.20569	1.52611
PYDC1	3.34242	2.95585	2.59008	0.654011	14.6557	0.756538	5.55532	3.53447	15.2522	0.849635	3.67765	1.05956	0	0.110563	0
PYDC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PYDC5	1.78E-24	3.55E-24	7.40E-25	5.12E-41	1.20E-37	3.71E-34	1.12E-13	5.98E-38	6.35E-37	1.32E-21	3.45E-30	3.97E-30	1.23E-43	2.98E-43	1.22E-36
PYGB	28.4428	17	18.7377	19.3349	21.7383	46.701	22.6436	15.4942	5.75858	14.0418	10.3845	6.99899	15.1306	10.898	10.3547
PYGL	3.90325	5.66553	7.70931	29.7915	7.6673	23.3268	5.03224	5.29002	5.30835	36.4147	23.8952	22.1854	62.5261	28.2809	15.7774
PYGM	0.35201	0.302203	0.275323	0.0593601	0.228659	0.82835	0.774597	0.227518	0.0467682	0.240987	0.252875	0.064113	0.045423	0.163906	0.44119
PYGO1	0.482034	0.29749	0.358447	0.348841	0.147229	0.795527	0.303013	0.505406	0.102241	0.672981	0.935461	0.129825	0.349445	0.380728	1.00339
PYGO2	5.13336	6.8159	6.24394	8.96408	12.3924	10.5926	6.25221	4.47035	7.57219	4.95882	6.86007	5.63119	8.12369	4.83188	4.12841
PYHIN1	0.398065	0.0799141	0.128064	0.0683696	0.103055	0.225965	0.0504997	0.235845	0.0134666	0.0277562	0.0124824	0.00791184	0.0142683	0.0288953	0.0793988
PYM1	4.66125	6.37053	5.5516	10.6352	7.52229	9.94563	5.23923	3.90076	9.87381	8.3544	13.2061	7.7217	8.17977	5.68759	2.3703
PYROXD1	1.43547	1.85464	1.78751	2.01355	0.343103	1.58552	1.34681	1.30564	2.72051	2.56374	2.72016	1.75636	4.08663	1.80905	1.61016
PYROXD2	1.00866	0.755978	0.593373	0.669867	2.14128	1.10697	0.473456	0.687247	0.0955445	0.182862	0.379549	0.136325	0.0795397	0.175723	1.27151
PYURF	8.89198	7.14597	6.62894	12.2854	7.96661	14.9103	7.51003	6.62835	15.1737	12.8312	24.382	7.87669	11.9201	8.00068	5.12271
PYY	0.0437487	0	0.036192	0	0.0339784	0.0372514	0.0499508	0	0	0.0274545	0.0740802	0.0156517	0	0.0114325	0
PYY2	0.173032	0.0625271	0.0357861	0.0445787	0.50396	0.0184168	0.246953	0	0.0263417	0.0814399	0.170915	0.0309523	0.0139549	0.0113043	0
PZP	0.140575	0.0943333	0.107979	0.0310407	0.0624026	0.132516	0.103174	0.0803074	0.0305701	0.0252034	0.0170015	0.0323287	0	0.0131196	0.216289
QARS	23.7661	22.4082	22.3414	31.9078	30.2659	39.2813	28.7648	17.8118	38.5254	23.8784	32.6832	22.63	25.6779	19.8738	17.3663

QDPR	4.95623	3.06929	3.08089	6.76677	3.67538	8.39264	3.58074	2.28944	2.31896	2.96971	5.84785	2.85508	4.75141	3.27818	2.67419
QKI	4.13164	3.53559	4.13872	3.84086	1.4413	5.62437	3.58843	5.27573	3.91727	4.38313	6.27995	2.71944	5.58151	3.77759	5.21231
QPCT	5.85711	5.13992	6.54299	3.29105	2.78643	8.4008	9.97688	7.86231	14.8293	2.62667	7.24092	1.78916	1.30642	1.19322	1.09292
QPCTL	0.791784	1.02637	0.911781	1.09405	2.52278	2.05502	1.33778	0.854499	1.12206	0.879828	1.49225	1.02826	0.997105	1.21273	1.38065
QPRT	0.62417	0.747138	0.613175	0.663326	1.9694	1.34529	0.445411	0.4247	0.285063	1.57903	2.89551	0.181435	0.100678	0.356802	1.23253
QRFP	0.347642	0.131607	0.16434	0.0767691	0.231432	0.16915	0.170112	0.110341	0.0604842	0.0311662	0.0280318	0.053303	0.144191	0.259562	0.285291
QRFPR	0	0	0	0.0812939	0	0.117548	0	0	0.0240184	0.16089	0.30055	0.0705559	0.171776	0.159763	0.226579
QRICH1	8.33278	8.20748	8.39993	8.86647	7.03586	10.4221	8.75089	7.7795	8.53417	6.66136	7.76091	6.218	9.92712	6.68616	7.45669
QRICH2	0.364725	0.615055	0.610469	0.402082	0.968395	0.458615	0.280849	0.267601	0.232427	0.707941	0.282465	0.506768	0.344769	0.891042	0.627331
QRSL1	1.75905	1.28078	1.29714	2.43245	0.584894	2.40224	1.03951	1.17872	1.14988	1.57296	2.11898	1.15812	2.36414	1.8769	1.29943
QSER1	5.37369	5.6464	5.69015	7.51989	1.20511	6.41601	3.52622	5.77356	4.36505	5.00862	5.35831	3.86275	6.62551	5.39164	4.03663
QSOX1	11.1318	10.5186	12.3153	63.3605	43.3317	44.7986	15.3317	10.4762	80.0595	87.4048	65.2311	70.9415	144.631	60.9776	24.9868
QSOX2	1.10935	1.89909	2.1442	2.14947	2.12026	2.59003	1.57598	1.51293	1.43201	1.00095	1.12536	1.1998	2.88938	2.30315	2.019
QTRT1	6.00262	5.8679	5.91302	10.0655	13.043	13.2063	4.43701	3.97785	4.07783	3.74518	5.69907	5.57362	5.52946	5.1592	4.95805
QTRT2	2.73185	2.26967	2.22283	3.2655	1.61025	3.80198	1.83208	2.17228	1.87717	1.50143	2.41519	1.67698	3.35815	2.47681	2.05663
R3HCC1	4.9665	3.92977	4.21707	5.44834	8.18978	10.1197	5.73712	2.54992	4.36355	3.89364	7.21786	2.60532	5.10257	3.55484	3.91139
R3HCC1L	2.8319	2.42219	2.20002	3.48241	1.38621	3.18133	1.48083	1.88757	4.62999	4.1293	3.67371	2.2136	2.13805	2.69274	1.89678
R3HDM1	2.44213	2.2893	1.9445	3.43744	1.01065	3.68681	1.5799	2.27624	1.38947	2.58783	2.97928	2.03592	3.60066	3.0748	2.63206
R3HDM2	6.60755	7.96242	7.9498	7.8324	6.20552	9.00365	7.06701	6.57303	6.23069	4.57285	4.67602	4.94543	5.4738	4.85113	5.98279
R3HDM4	8.04698	9.01177	9.84266	35.1481	18.5807	34.5754	11.7294	7.97009	14.5524	24.6473	33.7799	17.7586	41.568	19.0092	12.1444
R3HDML	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RAB10	17.4138	21.5354	20.7794	49.5643	28.6359	30.4988	18.1931	22.551	58.9702	55.4385	54.8189	40.2021	74.3867	32.3816	17.527
RAB11A	17.9165	15.7494	16.7486	24.9827	6.30155	19.3465	12.6144	19.8209	39.2772	22.8768	25.9301	18.9186	27.051	15.0288	8.92771
RAB11B	15.6185	15.2644	14.3771	23.3275	31.1297	35.0874	20.6067	14.3623	21.7925	15.3067	26.5628	15.4968	21.1551	15.3755	15.9649
RAB11B-AS1	1.8414	2.35015	1.93845	2.0218	4.54658	3.53386	2.3375	1.372	3.34439	1.73662	3.21472	2.0654	1.33649	1.49754	1.20327
RAB11FIP1	4.00644	5.64339	7.06989	4.04982	4.78194	4.05107	8.12968	5.03715	13.9888	6.47047	4.07048	4.38859	9.37409	2.91149	2.42419

RAB11FIP2	2.25213	1.75394	1.6448	1.926	1.08937	2.90264	1.72528	1.9501	0.986189	1.95098	2.59542	0.882032	2.49328	1.57571	2.42446
RAB11FIP3	2.76801	3.12613	3.34443	3.46913	9.54499	6.61448	3.83766	2.16404	2.97824	2.35745	1.63872	2.43106	3.67921	3.91315	4.71497
RAB11FIP4	1.46352	2.45512	2.84195	1.26078	2.26938	1.71158	2.36214	1.61164	2.11836	0.734107	0.568012	0.933878	1.25407	0.525952	0.32279
RAB11FIP5	5.37801	4.4351	4.81505	8.66758	8.95003	12.1358	7.80183	3.05056	7.42616	8.71675	5.42729	5.08759	16.4002	7.73871	7.47091
RAB12	9.46072	8.06312	8.14	10.7981	5.0275	11.4199	5.10435	8.09044	11.9835	10.6379	12.7329	6.83136	14.5616	8.3051	6.87112
RAB13	11.558	9.79747	8.94731	23.3766	14.4929	38.9973	7.04539	7.22386	15.1452	21.4378	38.4724	10.3279	20.4031	16.3577	16.3079
RAB14	9.40999	11.0127	12.4404	15.4697	5.19092	15.5823	9.03612	12.7564	13.1916	12.8624	15.1436	10.1452	17.6286	10.7344	9.59078
RAB15	2.17698	2.1466	2.2983	2.96081	1.89723	2.72123	1.70524	1.67601	0.60117	1.08022	1.62883	0.642999	1.94355	1.65045	2.32663
RAB17	0.324165	0.262172	0.287327	0.107377	0.521523	1.27167	0.370121	0.277802	0.0140999	0.130776	0.20911	0.0579871	0.20168	0.0907622	0.133012
RAB18	6.54741	6.17556	6.59743	8.83718	2.00581	7.80489	3.97138	8.63124	12.9301	12.3718	12.8472	8.23086	16.0852	8.33144	6.14448
RAB19	0.218789	0.0468516	0.0804435	0.0250521	0.0755234	0.289794	0.111025	0.237651	0	0	0	0.0347888	0	0.0254109	0.0698243
RAB1A	11.3201	9.82059	10.5612	21.574	3.56363	18.7662	5.60265	10.2909	29.8667	25.3168	29.5924	13.6906	34.9869	17.2188	13.1803
RAB1B	27.1443	26.4308	27.0976	49.7608	54.503	76.5661	39.0886	20.3888	53.1851	50.7095	73.2052	44.5623	74.2465	37.784	25.688
RAB20	1.0644	0.271074	0.352218	1.56699	0.921167	3.76771	0.38195	0.364866	0.129632	1.66037	3.10692	0.0979207	1.49122	0.619878	1.44126
RAB21	4.44402	4.20413	4.52147	4.67831	1.70097	4.99654	2.96757	5.2143	7.23236	5.06437	5.58768	3.5878	7.16548	4.32595	3.412
RAB22A	4.47291	3.61034	3.80211	6.26083	1.83673	5.42137	3.43014	4.71455	6.29461	8.51161	7.22675	6.54454	12.0597	5.6556	5.39404
RAB23	2.17532	1.39748	1.7073	1.55197	1.06858	3.41167	1.43822	1.14425	0.718935	4.25875	6.86321	1.03102	2.61207	3.20427	5.17336
RAB24	4.19066	8.51306	8.72429	14.5122	27.387	13.5767	4.13817	3.8697	19.2044	17.643	16.8489	13.651	17.7495	11.8456	5.60265
RAB25	30.9468	34.7047	30.6737	90.103	98.2601	68.4889	46.1533	25.7967	167.12	107.174	123.22	113.19	118.402	55.4593	17.8487
RAB26	0.798473	1.64879	1.23723	0.522445	1.96874	0.518011	1.3458	0.912364	0.385893	0.270426	0.157383	0.807115	0.261674	0.68228	0.382236
RAB27A	1.91929	1.367	1.69719	3.95541	1.08036	3.23904	1.13283	1.89448	1.46431	2.95683	4.60717	1.31157	4.39599	2.39737	3.08202
RAB27B	3.99542	4.09691	4.01885	4.01183	1.40655	2.29617	4.30904	5.41578	14.449	6.69867	6.12943	4.32963	5.67591	2.36972	1.16752
RAB28	2.41994	2.53908	2.57103	2.94955	1.88905	3.63996	2.42641	2.06331	2.45353	2.5285	4.86737	1.90732	3.10683	2.76709	2.52271
RAB29	1.33798	1.19038	1.07399	3.29007	1.68737	3.5588	1.31591	0.835889	0.435611	2.10328	3.17784	0.990533	2.54275	2.5652	3.30081
RAB2A	9.9143	7.4096	8.13127	12.569	2.89517	12.2672	7.09127	10.6127	13.605	13.6241	19.0252	8.28853	15.8448	8.29738	10.7329
RAB2B	3.38434	3.32067	2.98472	2.53432	2.23934	2.72418	2.80788	3.32288	2.78852	3.16401	6.3965	2.45468	3.74537	2.82848	3.01142

RAB30	1.22671	1.29881	1.6546	1.28019	0.417693	1.71249	0.882997	1.5089	0.397857	0.836766	1.42745	0.457954	0.824447	0.853681	1.49362
RAB30-AS1	0.962861	1.37519	1.76378	1.41751	1.28199	1.2298	0.667471	1.253	1.0889	1.29481	2.48446	0.885796	1.57527	1.95901	0.839551
RAB31	6.81428	3.98677	4.00264	32.5439	5.97652	19.3952	5.59707	5.97872	11.5311	38.7995	51.5775	10.5559	41.1689	25.9779	27.5444
RAB32	2.9862	1.84461	3.04049	6.39145	2.17063	6.94355	4.28379	1.65017	8.71913	9.41802	17.3955	3.15027	8.48481	6.46298	4.67343
RAB33A	0.167098	0.0805103	0.103676	0.129149	0.324451	0.658053	0.238484	0.0742513	0	0.131078	0.400844	0.0298907	0.0673817	0.0436663	0.239974
RAB33B	1.75308	1.49041	1.42552	1.49214	0.743519	1.82388	1.44143	1.22831	1.43551	1.65961	3.20154	0.890478	1.8877	1.19142	1.55527
RAB34	6.71583	4.23678	5.29601	8.36477	9.41881	18.9757	6.53702	3.63905	2.08891	8.76258	20.8623	2.64467	9.81166	8.85073	12.1774
RAB35	8.88796	8.29591	8.59438	14.2935	11.987	16.0192	7.59077	6.39027	15.1406	10.3859	10.7429	8.51315	19.2102	9.90634	9.6605
RAB36	0.798929	0.689223	0.748493	1.16397	0.79253	1.58026	0.836873	0.687045	0.227872	0.436123	0.668857	0.64418	0.531738	0.671524	0.767731
RAB37	0.214571	0.218583	0.167365	0.164262	0.352349	0.130503	0.202992	0.141658	0.0746639	0.261615	0.408321	0.0965055	0.158218	0.131369	0.272934
RAB38	10.5887	11.4485	9.91373	42.7822	9.52899	20.5428	9.79135	9.59353	21.313	28.5495	37.7748	20.9829	43.5476	23.7521	4.66675
RAB39A	0.112103	0.054013	0.0927395	0.243887	0.0967415	0.413635	0.0284435	0.0332093	0.0303398	0.0781671	0.787425	0	0.120547	0.14973	0.321988
RAB39B	0.0724868	0.0381003	0.0490632	0.0882815	0.0409444	0.0448884	0.0677152	0.0937021	0	0	0.0223169	0.00943022	0.0297615	0.0206644	0.0378546
RAB3A	0.601318	0.616593	0.650515	0.524341	0.862205	0.840229	0.933026	0.835859	0.0938895	0.290276	0.887679	0.496453	0.32828	0.120875	0.265714
RAB3B	0.569063	0.536245	0.838168	0.0418528	0.0769739	0.0327782	0.522827	0.627027	0.0145026	0.228242	0.250512	0.0303271	0.328968	0.471973	0.539434
RAB3C	0.119268	0.0330119	0.0293901	0.141215	0.019709	0.237682	0.0637421	0.0563805	0.00618106	0.165618	0.329435	0.00907866	0.176824	0.08886	0.142129
RAB3D	22.2927	30.5215	28.3935	37.0665	40.0379	36.3083	32.1998	23.0465	71.7273	32.5138	30.5461	35.9247	45.302	21.1198	9.55944
RAB3GAP1	6.67866	6.84896	7.47146	9.28299	4.85583	10.0844	5.03006	5.7021	7.84266	9.04698	6.9944	5.55673	13.0027	6.7827	4.87978
RAB3GAP2	3.37878	3.36696	3.72776	5.12852	1.95221	5.24042	2.97446	3.31428	2.98816	4.72423	5.06543	3.30331	5.64755	4.16389	3.65514
RAB3IL1	2.44594	1.38419	1.89837	2.77726	4.49019	11.5117	4.36676	1.5651	0.173317	1.65217	3.32343	0.318207	2.34709	1.24116	4.68782
RAB3IP	1.99312	1.97566	1.57111	1.22472	1.6524	0.970839	1.30643	1.38184	1.65076	1.00572	0.656723	1.01135	0.962541	1.01908	0.787975
RAB40A	0.355784	0.138451	0.192673	0.0570352	0.490499	0.353979	0.0809828	0.146384	0.0418806	0.142367	0.256931	0.0548169	3.06E-14	0.199728	0.320921
RAB40AL	0.704134	0.458245	0.622453	0.203524	0.511284	0.494504	0.638768	0.648014	0	0.0960576	0.29865	0.18578	0.0580438	0.220684	0.323106
RAB40B	2.39456	2.96675	2.81905	3.22695	3.74002	3.46171	2.14817	2.08132	2.41957	1.91554	3.16359	1.61923	1.6638	1.17586	1.37934
RAB40C	6.74646	9.38647	8.76656	5.7327	18.2012	6.79934	8.92816	6.65486	10.7918	5.44689	5.56719	7.84228	5.66625	3.95075	2.00574
RAB41	0.150839	0.124589	0.089132	0	0.0334722	0.0366965	0.123017	0.0574514	0.0787308	0.108182	0	0.0462555	0.013903	0.0563108	0.247571

RAB42	0.536498	0.278767	0.304589	0.227655	1.50333	1.01217	0.408371	0.327212	0.0768699	0.607344	1.44878	0.0903244	0.203615	0.291393	0.755371
RAB43	2.47405	2.56964	3.04961	1.85878	3.77249	7.35729	2.21738	1.14681	0.848396	1.28769	1.27493	0.7622	2.98125	2.0677	1.84671
RAB44	0.174953	0.18703	0.257807	0.123952	0.390659	0.0605193	0.280907	0.165202	0.0332927	0.150964	0.0432032	0.113448	0.158736	0.114298	0.0706655
RAB4A	5.94783	5.15829	5.12229	6.69517	5.37756	7.55768	5.74625	5.23849	10.4569	6.70901	9.52064	5.19971	7.43392	4.96574	2.97867
RAB4B	2.01944	2.68534	2.38473	6.42202	7.6004	8.7553	2.03063	1.86225	7.74101	5.11213	9.70264	4.39697	6.29766	3.50049	3.77235
RAB4B-EGLN2	0.481292	0.840426	0.439718	0.959574	1.93847	1.5786	0.261562	0.313561	1.64642	0.817594	0.869535	0.36711	0.570113	0.318329	0.417733
RAB5A	13.1006	11.3837	11.4117	30.4262	4.50959	18.4777	7.78618	12.446	56.8825	32.8502	36.2468	22.9605	43.0838	17.3622	10.2002
RAB5B	14.0065	18.4449	19.3366	24.4341	14.5769	23.2161	22.4951	15.8465	31.6726	23.4871	24.0948	18.1921	27.853	13.4079	11.9585
RAB5C	17.2062	13.654	14.1402	30.4612	15.5584	42.722	20.1529	13.418	17.3195	23.9411	50.0112	14.4642	35.9226	19.8077	18.9337
RAB5IF	11.5142	9.24685	8.16006	36.5545	17.6414	20.4272	9.86898	7.19501	44.3896	33.2509	47.9766	18.0909	42.9543	21.1348	9.23075
RAB6A	14.7828	12.9985	13.1113	23.3873	8.59344	20.9791	12.9967	14.5359	31.503	26.0106	27.7904	17.5637	34.2095	17.6472	16.0021
RAB6B	0.833655	0.456528	0.49117	0.318497	0.581149	2.36152	0.640751	0.51681	0.128769	0.45936	0.922731	0.136759	0.299108	0.520718	1.00451
RAB6C	0.030187	0.0145915	0.029629	0.00778945	0.0467327	0.0150458	0.0172294	0.0227638	0	5.74E-14	2.62E-08	0	0.00976539	0	0.0108165
RAB6C-AS1	0	0.0317296	0.00970266	0.00969495	0	0.029326	0.0429658	0.038708	0	5.11E-34	0	0	0	0.0049169	0.0270214
RAB6D	2.18E-33	0	1.53E-16	0.00664167	9.25E-35	3.89E-23	4.76E-20	2.23E-23	0.00784246	0.0487333	0.021976	0.018625	0.0290665	0.00338689	1.65E-05
RAB7A	30.3286	28.1415	28.9156	69.4331	27.6061	71.3636	31.8343	30.2617	91.3886	61.7637	71.506	49.4558	96.9228	44.009	29.5881
RAB8A	9.41881	11.3658	12.664	21.1984	12.3188	24.4945	13.1452	9.84449	21.3755	17.5189	22.2014	13.456	28.19	15.0847	10.1068
RAB8B	2.11729	1.19169	1.55128	2.46079	0.501445	3.60974	1.28461	2.31201	0.913504	4.30192	4.92501	0.937521	4.13802	2.04446	3.48385
RAB9A	5.23352	5.34612	5.62276	6.79416	3.19372	6.17802	3.47275	4.4548	14.9827	10.514	13.0628	6.66271	9.50504	5.90568	2.7819
RAB9B	0.253718	0.0910846	0.15373	0.107662	0.0309107	0.317702	0.295367	0.14148	0.0121176	0.0874155	0.11232	0.0320368	0.0353073	0.0416013	0.171469
RAB9BP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RABAC1	18.784	13.5135	14.4956	25.1204	52.2087	38.9236	24.4594	10.6024	28.7095	40.5649	94.1105	20.4582	29.8636	21.3434	23.7638
RABEP1	5.68932	3.84135	4.17658	4.76018	2.22054	7.53908	2.77364	3.73385	2.23033	5.02057	5.10358	2.68364	6.10149	5.38472	4.92703
RABEP2	2.87258	4.77816	4.10622	4.3515	16.8866	4.95243	3.92883	2.53487	6.77444	3.14675	2.54381	5.25836	4.74804	4.01594	2.71139
RABEPK	3.75519	2.98869	2.64632	4.61512	4.2344	5.23439	2.55665	2.60803	2.89648	3.19446	7.20654	2.55756	3.85859	4.05609	3.31564
RABGAP1	10.9211	8.54759	9.21469	8.31086	5.50132	10.2216	7.10419	7.99006	9.69216	8.26259	7.44729	7.45325	9.85097	7.81772	7.3467

RABGAP1L	3.85457	3.63068	4.03065	1.91614	1.64993	2.01744	3.18064	3.70862	2.45164	2.17999	2.03867	1.5774	1.67233	1.99479	2.44004
RABGEF1	5.53813	5.48454	6.18919	6.40006	4.23032	5.68205	5.27224	4.81347	17.7738	11.0591	9.11637	8.32317	11.974	8.07464	4.74852
RABGGTA	3.66372	3.97789	3.03089	7.9984	8.81091	9.87437	4.19466	3.35468	11.8004	9.08271	8.4883	9.30161	14.6515	7.22147	3.87008
RABGGTB	6.70324	5.4481	5.11968	9.90826	2.35594	6.69933	3.66442	5.6564	5.42604	7.71637	10.0589	5.09671	6.72758	9.80951	5.01754
RABIF	1.80009	2.0698	1.73835	3.68054	1.88268	3.67007	1.88333	1.37032	7.51151	4.77064	5.16521	3.0584	7.12579	3.44463	2.26588
RABL2A	0.7791	1.32995	1.69484	0.734813	0.808105	1.56598	1.09184	1.05845	0.453031	0.181414	0.653509	0.472182	0.253569	0.61241	0.848975
RABL2B	2.16255	2.43248	1.99212	2.75917	2.89557	4.49876	2.27347	2.0953	0.785539	1.55886	2.06803	1.42511	2.06524	1.86216	2.583
RABL3	3.2056	2.46114	2.51089	3.60945	0.623494	2.82316	1.89595	2.96126	2.18307	2.91918	3.45736	1.67601	3.39858	2.2099	1.86357
RABL6	7.22854	8.8089	8.4408	15.2353	24.0183	19.7867	9.21771	5.72613	15.9044	12.3355	8.22716	11.3023	19.5839	11.8221	8.80884
RAC1	39.0199	38.072	41.6198	69.2661	24.3609	67.0589	35.459	39.7106	86.1755	70.2025	78.6138	52.1498	100.9	43.0753	39.7636
RAC2	2.84885	1.54235	1.91329	6.72397	4.23491	6.18176	2.04607	2.2868	0.858067	5.90165	15.5613	1.62197	8.85432	4.03452	5.96099
RAC3	1.34856	1.81303	1.33155	1.36732	4.52743	5.14874	1.41557	1.41112	2.27816	2.02018	4.29697	1.2762	0.940253	1.1368	0.937115
RACGAP1	1.35863	1.77862	1.38164	4.57594	1.63686	4.67821	2.05066	1.37824	3.34159	4.24224	5.37179	2.8595	5.31505	4.56874	2.16055
RACGAP1P	0.0496988	0.119728	0.116491	0.008536	0	0.0141059	0.0662018	0.0956976	0	0	0	0.0059268	0	0	0
RACK1	311.398	269.336	291.499	536.755	290.511	584.179	350.422	231.696	380.163	376.955	683.483	301.102	455.83	275.319	171.936
RAD1	2.10077	1.86004	2.00779	2.22602	1.21315	2.55899	1.76084	2.16131	1.4749	1.70609	2.4273	1.344	2.1559	1.73348	1.66111
RAD17	2.05931	1.7623	1.87692	2.32209	0.548649	2.12738	1.17578	2.19189	2.3403	2.15246	2.66841	1.4917	2.33668	1.78063	1.59917
RAD18	1.53239	1.27264	1.14093	1.59579	0.444745	1.68595	1.04517	1.06798	0.564793	1.15398	1.32472	0.626138	1.7328	1.30039	0.886071
RAD21	13.5273	11.6911	12.3548	17.998	4.39	20.4462	8.9485	11.6877	14.4079	17.0252	17.7716	9.0428	21.3462	13.6919	11.8942
RAD21-AS1	0.0700928	0.0902489	0.0675043	0.0720922	0.233598	0.0700676	0.0533644	0.0413272	0.0712872	0.0581491	0.118531	0.0757903	0.0302833	0.0848034	0
RAD21L1	0	0.0123348	0.0211787	0	0	0.0108993	0.014615	0	0	0	0.01445	0	0	0	0
RAD23A	13.8273	15.5229	17.9154	27.6738	25.1903	32.5297	19.8071	12.3678	19.1001	14.356	21.6636	14.9316	24.4355	16.8782	14.1086
RAD23B	13.6448	15.1069	16.4304	23.753	13.4505	20.4387	12.0047	16.0158	29.1816	20.9509	21.4615	13.1786	28.934	17.0465	10.3705
RAD50	5.56387	6.16076	5.87948	5.59997	2.43585	7.76928	2.53102	3.79639	4.55875	4.35021	5.23542	4.18934	5.47295	4.52094	4.47198
RAD51	0.38253	0.419302	0.522152	1.52756	0.20797	1.56345	0.622383	0.271969	0.395997	0.67216	0.960818	0.424251	1.76466	1.0996	0.535627
RAD51-AS1	2.44684	2.89819	3.20498	0.861527	1.93207	0.625036	2.09529	2.3014	0.769828	0.358288	0.161127	0.714902	0.118402	1.24686	0.93706

RAD51AP1	0.428386	0.309604	0.185634	1.17724	0.0633744	0.877173	0.232913	0.299132	0.173909	0.908915	1.6235	0.270031	1.0595	0.693002	0.615217
RAD51AP2	0.0449271	0.0568222	0.032521	0.0289366	0.0261702	0.0526004	0.0128241	0.0399274	0.0205185	0.112776	0.0253585	0.0281282	0.0181167	0.0293511	0.0322605
RAD51B	0.714503	0.781655	0.939261	0.393375	0.349685	0.252107	0.687281	0.75677	0.196686	0.202696	0.281752	0.260876	0.108933	0.289025	0.407635
RAD51C	1.25428	1.30447	1.22744	2.53786	0.760326	3.21704	0.908161	1.25064	0.819675	1.84303	3.21175	0.722356	1.44087	1.79075	1.51574
RAD51D	1.38077	1.18649	1.07133	1.45871	1.4941	2.29429	1.47775	1.04233	0.283773	0.910121	1.42086	0.427372	0.737212	1.23343	1.86559
RAD51L3-RFFL	0.291775	0.229705	0.0450351	0.00100338	0.0383369	0.0895362	0.0893572	0.00851504	0.0606751	0.0632695	0.141336	0.020483	0.0116971	0.160651	0.00164399
RAD52	1.93475	2.26517	2.23772	1.2255	1.4931	1.32213	1.63919	1.56064	0.412729	0.742413	0.591235	0.81122	0.477054	1.10135	1.38927
RAD54B	0.339344	0.264188	0.254735	0.477742	0.0646158	0.30989	0.223619	0.433735	0.17969	0.34265	0.514457	0.268471	0.337875	0.295423	0.213409
RAD54L	0.242759	0.485583	0.383398	1.44795	0.2971	1.4031	0.66354	0.366112	0.295653	0.618608	0.639438	0.64743	1.03943	0.93043	0.464844
RAD54L2	3.58577	3.09506	3.57183	3.16266	3.39242	5.43479	4.12289	2.88392	2.31167	2.49712	1.43278	2.425	4.00444	2.89244	3.24811
RAD9A	1.9986	2.59289	2.91022	1.95055	5.42711	3.56495	3.21113	1.95081	1.8663	2.46493	1.93538	5.10128	1.80127	1.99118	1.72264
RAD9B	0.289574	0.253341	0.296293	0.172766	0.0828594	0.136261	0.174014	0.3183	0.445476	0.105208	0.111832	0.0817886	0.0344163	0.0955857	0.14227
RADIL	0.510787	0.331178	0.516461	0.292434	0.646497	0.698033	1.1664	0.246587	0.0768001	0.182038	0.199324	0.1489	0.382449	0.507553	1.05052
RAE1	3.75407	3.9464	3.55561	7.89123	4.72143	7.50104	3.75051	3.89553	6.07874	6.67948	6.40496	5.88354	11.0645	6.04775	4.47235
RAET1E	1.71262	4.64976	2.52626	4.86517	7.36155	3.17889	5.21444	1.86027	19.0038	6.91485	8.57217	8.85682	8.74045	3.03099	1.79586
RAET1E-AS1	0.315586	0.167718	0.123375	0.149706	0.7244	0.0458899	0.341532	0.0149474	0.0633525	0.138325	0.237457	0.0981627	0.163356	0.0649936	0.120772
RAET1G	0.442569	0.820781	0.125744	1.40176	1.93027	1.09394	1.35732	0.32398	5.82783	2.58877	3.14674	2.2952	2.60283	1.06248	0.859055
RAET1K	0.024581	0.0276058	0	0.120748	0.0572743	0.094187	0	0.0327684	0.104779	0.162259	0.171061	0.0791478	0.287748	0.0795427	0.0248718
RAET1L	0.36206	0.878979	0.887824	0.515414	1.89777	0.0609109	0.568518	0.613786	5.62156	13.7728	4.43309	4.95852	16.9441	2.26117	1.10733
RAF1	12.7988	12.0199	11.9895	14.2917	11.7171	16.3541	14.1649	10.2474	21.875	12.6688	14.3249	10.5047	16.5602	11.2537	9.42424
RAG1	0.0738608	0.0728692	0.0552835	0.101488	0.142048	0.221618	0.128506	0.0250062	0.0299847	0.0882885	0.138966	0.0503327	0.0975785	0.0827205	0.106073
RAG2	0.0164135	0.0158166	0.033946	0.0169146	0.0281882	0	0.0187404	0	0.00999491	0	0.019069	0	0	0.0128676	0
RAI1	3.62856	4.65242	5.32627	5.51094	8.42881	10.4987	7.13034	3.80743	2.57571	3.87924	2.37041	5.16457	6.96297	5.13825	5.38897
RAI1-AS1	0.322327	0.574617	0.746624	0.465034	2.15294	0.494022	0.625638	0.630206	0.0392558	0.323642	0.0727733	0.714963	0	0.640155	0.648062
RAI14	2.91659	2.11741	2.50108	4.93613	1.71274	5.18225	2.83824	2.34266	0.808605	6.00183	9.02515	1.14525	7.20054	5.18445	12.0776
RAI2	3.12287	1.59005	2.08073	1.26989	2.00592	5.63437	2.66939	2.07026	0.853176	0.41314	1.10524	0.440861	1.59011	0.855777	2.50909

RALA	5.23807	6.19835	6.32962	12.0012	3.13436	10.2668	3.77083	6.85099	9.06755	15.6502	16.3634	8.99279	21.9673	10.3566	7.91285
RALB	8.987	7.21021	6.77419	23.4804	7.23435	23.4624	5.93692	6.84981	10.3343	17.5232	18.6958	10.2902	34.4138	14.5243	11.2895
RALBP1	14.394	18.0962	17.5098	27.6127	18.7837	21.9011	12.0892	14.0204	28.3281	20.4743	15.955	15.7304	33.2656	14.7264	9.98464
RALGAPA1	7.39073	7.47968	7.85238	4.74433	3.6048	3.39408	5.98698	6.28846	5.2848	4.57402	3.89625	4.73662	3.90407	4.52456	4.22514
RALGAPA1P1	0.700719	0.788115	0.676427	0.659215	0.0906028	0.240148	0.317013	0.771051	1.08496	1.1408	0.34663	0.569852	0.518046	1.36494	0.909934
RALGAPA2	6.84029	7.49293	8.02911	7.11237	7.17	8.00282	8.83323	6.84933	9.69423	2.24647	2.76888	3.97912	2.77694	4.05752	5.90962
RALGAPB	7.02877	7.38501	7.69489	6.57817	4.21395	6.50962	6.73394	6.54053	9.12544	6.36774	5.09503	6.27371	7.37635	6.14547	5.92638
RALGDS	7.85876	12.1338	14.0213	13.1859	13.1475	14.3208	13.495	7.80507	10.3082	12.0708	7.75821	15.5624	11.5852	9.54836	9.49502
RALGPS1	1.41575	1.65493	1.55742	0.481116	1.18198	0.887984	1.69606	1.35519	1.07441	0.909381	0.441473	1.37308	0.79412	0.57515	0.805439
RALGPS2	2.77743	5.01657	4.96353	3.45916	1.46335	3.18526	2.63857	5.71154	6.60911	4.59568	3.30743	4.28432	6.22768	2.79798	1.76012
RALY	8.47564	7.58339	8.32317	10.868	9.53517	16.1219	9.37828	6.09742	7.91887	8.62339	13.4215	5.32206	11.6281	7.94448	6.81021
RALY-AS1	0.413269	0.647138	0.569808	0.81628	0.534958	0.645137	0.983035	0.336672	1.00663	0.605144	1.86612	0.468199	0.666597	0.413985	0.544047
RALYL	0.00514748	0.00496027	0.0127751	0	0	0	0	0	0	0	0	0	0	0	0.00739243
RAMAC	5.54145	4.7228	5.11246	7.9767	2.19537	7.88491	4.481	4.89331	11.6185	8.40423	10.5668	6.23614	11.0166	5.4415	3.82478
RAMP1	1.56822	0.48083	0.746952	1.2488	1.62399	3.47992	0.813881	0.358983	0.607698	0.298223	1.0461	0.425038	0.459911	0.32288	0.648348
RAMP2	18.0787	4.78089	4.06782	7.73746	12.7606	19.4302	10.8923	6.14935	3.1915	7.90845	29.6157	4.31895	9.65056	9.11015	21.7347
RAMP2-AS1	0.568451	0.205874	0.2059	0.184286	0.431128	0.465877	0.486779	0.30943	0.0346155	0.151611	0.144385	0.10677	0.146705	0.211682	0.449002
RAMP3	7.98925	1.94537	1.62034	4.09002	10.702	19.7645	3.66836	2.00027	0.899764	6.38299	17.9214	2.44643	5.25439	5.65717	7.64905
RAN	21.1702	17.3082	15.611	70.7701	16.1673	54.0493	19.1066	15.7128	38.7254	52.1491	74.3585	32.5606	71.2942	45.0345	21.7612
RANBP1	6.24762	4.90795	4.45131	17.2058	8.37065	15.6649	4.59688	3.67967	6.18295	10.6203	24.3773	5.98654	14.7321	10.0893	5.93065
RANBP10	3.34325	4.01565	3.94042	5.4355	5.79804	6.92251	3.68247	3.17044	8.58887	4.13194	4.28467	5.19518	4.93576	4.17913	3.18018
RANBP17	0.394484	0.180321	0.184092	0.151145	0.0942722	0.279915	0.184783	0.287659	0.0184783	0.247559	0.451032	0.0253314	0.052209	0.169169	0.435791
RANBP2	12.1534	11.4073	12.514	13.4241	4.36909	10.3782	8.26447	10.8692	12.8764	10.3121	7.66391	10.2848	15.3971	11.0665	8.46004
RANBP3	5.21927	5.3475	5.31978	7.6717	9.53432	11.3624	5.29879	4.16674	5.06364	4.69739	6.09932	5.11243	7.77986	5.45556	5.33582
RANBP3L	0.119957	0.0227059	0.0779716	0.0132449	0.00665479	0.0547186	0.0391322	0.0799556	0.0156529	0	0	0.00306543	0.00829236	0.00223909	0.0123052
RANBP6	3.47496	2.95531	3.28482	5.04651	0.964451	3.8073	2.40686	3.35524	3.10396	4.27973	3.81539	2.40402	5.53724	3.25551	2.43772

RANBP9	11.8258	9.95695	9.82993	13.6816	6.37454	14.578	7.13928	9.28217	38.0167	11.864	15.0887	9.89399	13.9889	8.4107	9.11088
RANGAP1	6.35097	12.8925	12.1016	17.9692	35.9784	16.0001	11.251	7.11892	25.8991	10.9123	5.58111	15.6563	20.7218	12.4991	5.37219
RANGRF	2.08207	2.64358	1.9197	3.70186	4.40756	5.6333	3.08614	1.95222	2.31675	3.88211	6.45936	2.47803	4.01068	3.03987	3.29723
RAP1A	3.96514	2.6227	3.25508	3.66054	1.16161	5.19769	2.22392	3.10271	3.04997	5.74614	6.62589	1.81989	6.65379	3.57439	4.60175
RAP1B	15.5794	11.0574	13.3156	25.4902	2.62391	22.757	7.21103	16.2075	15.9995	27.4804	36.0122	12.0944	39.5754	23.2913	25.0468
RAP1GAP	1.35703	0.572108	0.795198	1.68981	0.728996	1.41548	0.858635	0.849237	1.70092	5.20899	2.68086	2.0674	8.63157	2.84585	0.673984
RAP1GAP2	1.87104	1.47676	1.75143	2.86973	1.72985	3.71432	1.92342	1.61371	0.905816	1.96655	1.11298	1.31188	2.64266	2.47858	1.87296
RAP1GDS1	3.75975	3.17236	3.16122	5.73885	1.43376	5.01425	3.08433	2.84917	4.34664	6.46432	5.72386	3.75569	7.47569	5.04919	3.06648
RAP2A	4.05189	3.11902	3.05327	4.98006	2.14474	5.33572	2.43139	3.80392	6.51283	10.7043	14.5044	4.55322	11.2691	6.64729	5.05638
RAP2B	3.78795	4.39506	3.72762	14.4124	9.62718	10.0907	3.26335	3.68667	9.21988	16.7625	15.8143	11.5869	29.4962	11.4759	6.10367
RAP2C	2.7412	2.89927	2.60536	4.29131	3.39272	4.88423	2.20409	3.08809	5.27976	5.78722	6.301	3.53209	7.65097	3.82238	3.15254
RAP2C-AS1	0.743932	0.7071	0.895175	0.432108	0.147074	0.454931	0.586856	0.913582	0.164732	0.24616	0.488615	0.280669	0.231264	0.229752	0.271951
RAPGEF1	6.67911	5.31823	5.64355	9.1529	9.14386	14.3196	7.96025	4.69854	2.1912	6.27267	5.45637	3.4534	8.99387	7.86378	10.5354
RAPGEF2	5.25304	3.86563	4.19675	3.04805	2.3985	4.41514	3.84165	3.60219	4.12002	4.65839	3.58331	2.79005	4.71366	3.51973	5.34147
RAPGEF3	2.33465	1.1806	1.22378	0.906731	2.93495	2.32521	1.94118	1.43307	0.256155	1.22752	0.514439	0.835247	1.97673	1.70753	3.44849
RAPGEF4	2.2774	2.95358	3.40688	2.46751	1.98552	1.88552	4.27038	2.43196	7.94821	2.7228	3.15011	3.64553	1.77427	2.70986	2.41096
RAPGEF4-AS1	0.0600988	0.0796304	0.111865	0.0154834	0.108913	0.0341156	0.0800554	0.0311563	0.00609947	0.00628585	0.00565367	0.0465858	0.00323129	0.060203	0
RAPGEF5	5.23882	3.87462	3.34802	5.35913	1.98149	6.28497	2.59771	3.5998	1.69403	5.91729	4.94738	3.16335	6.19189	4.89339	5.89742
RAPGEF6	2.67206	2.84828	3.15351	2.31631	1.17659	2.40337	2.00575	2.79133	0.949537	1.79299	1.82712	1.32758	2.06944	2.21021	2.19686
RAPGEFL1	12.8579	36.1621	37.5687	12.805	49.9266	14.1726	30.8364	19.612	48.8162	12.5795	10.211	23.6733	10.0551	9.10525	3.51723
RAPH1	6.1617	5.8271	5.80494	6.64008	2.76383	7.55919	5.80637	7.65241	3.97063	4.71504	4.57995	3.81638	7.34538	5.43558	6.49447
RAPSN	0.373945	0.407057	0.171863	0.142726	0.30119	0.495303	0.253012	0.418491	0.13494	0.243361	0.140712	0.0990992	0.0357433	0.347449	0.218791
RARA	3.04602	2.79482	3.4865	4.23532	5.35458	9.60724	4.39442	3.25607	1.33249	3.16221	5.72293	1.555	4.53504	4.34878	6.47744
RARA-AS1	0.45275	0.722345	0.618633	0.580292	1.1735	1.52911	0.616251	0.501064	0.532721	0.782745	0.958999	0.439275	0.496198	0.419514	1.09707
RARB	0.75707	0.516287	0.515494	0.312073	0.16283	0.366946	0.352408	0.621065	0.14185	0.219277	0.710006	0.112508	0.195383	0.17349	0.275994
RARG	12.7418	23.9751	24.229	23.3284	39.9842	24.1461	24.799	14.573	48.0972	22.2913	22.7067	22.4473	30.2022	17.4575	8.61181

RARRES1	0.708461	0.294496	0.448185	0.615566	0.258937	5.06252	0.269632	0.345674	0.152263	0.941496	2.0543	0.129216	0.797676	0.326711	1.79548
RARRES2	12.0869	3.56641	5.47754	16.8331	20.9097	24.5727	4.17221	5.35702	0.228224	18.7374	69.9151	0.357559	17.5312	9.92457	32.4738
RARRES3	2.63195	1.57421	1.85199	1.93291	2.06766	12.2873	1.13986	1.37117	0.18422	0.759396	2.01492	0.259756	1.30775	0.316224	2.69366
RARS	10.738	10.1441	10.3339	21.0385	4.57351	16.4616	6.36499	8.82156	20.8031	17.7433	23.8039	11.618	20.1698	15.4957	9.66932
RARS2	5.31073	3.43478	3.69793	4.85303	1.73057	5.62197	2.78599	3.95438	3.77917	5.76477	7.98582	2.94901	5.993	3.90445	4.37786
RASA1	5.55741	5.22746	6.068	5.64502	3.30476	5.62931	3.21979	4.28172	3.90231	7.32016	5.74503	3.9147	7.32386	5.9831	5.73523
RASA2	3.03414	2.62394	2.97074	3.07191	0.775972	1.96991	2.24408	3.43158	3.48083	4.14733	2.85201	2.16514	5.02478	3.23793	2.75205
RASA3	2.63141	1.33458	1.59612	2.58378	3.21213	7.69374	2.88995	2.10091	0.372241	2.67932	4.13503	0.785943	3.8516	3.88128	9.75976
RASA4	11.5199	4.99803	6.46061	3.96771	9.52892	11.2549	10.6978	8.55338	3.48222	2.98479	2.68223	4.29905	5.14176	5.69165	11.5824
RASA4B	2.75416	0.68807	0.640658	1.73076	6.68544	4.20229	2.26231	1.02635	0.442285	0.868367	1.19216	0.67457	1.73316	1.25292	3.99287
RASA4CP	2.12013	2.12193	2.50007	1.89524	4.27533	2.04133	2.75603	1.51112	6.50943	1.07971	2.60914	2.20352	1.2711	1.47479	0.573605
RASA4DP	0.019314	0.00232645	0.0159779	0	0.00750034	0.0205571	0.0220521	0.0171647	0	0.00606028	0	0.00345493	0	0.012618	0.0277374
RASAL1	1.83896	2.61353	3.08089	5.41715	7.99468	2.57527	3.13628	2.01976	18.5649	4.59439	2.08248	7.46046	2.67145	3.22792	1.06303
RASAL2	4.51442	4.12444	4.32639	2.85544	3.04913	2.98416	4.30709	3.39378	3.86229	4.20603	3.87326	3.63114	4.87784	3.81099	4.05503
RASAL2-AS1	0.162751	0.226652	0.345805	0.0736718	0.0708403	0.237337	0.29955	0.134973	0.218987	0.166231	0.125909	0.142763	0.111888	0.194478	0.0859488
RASAL3	0.595932	0.381852	0.614975	0.816723	1.99453	1.42289	0.420876	0.343977	0.493828	0.624582	0.554831	0.342883	0.745202	0.950436	1.72932
RASD1	2.81004	1.36031	2.2808	6.92543	3.15019	22.076	2.39118	2.33241	2.48602	1.68026	5.49146	2.5228	8.78298	5.17492	7.29066
RASD2	0.412713	0.225115	0.367193	0.16852	0.423358	1.39905	0.311184	0.332182	0.00948373	0.156376	0.334042	0.0445746	0.0954589	0.398844	1.57683
RASEF	0.518809	0.25197	0.264385	0.461936	1.25719	0.491236	0.29381	0.545912	1.44062	0.797019	0.632525	1.23543	0.950642	0.698489	0.274188
RASGEF1A	0.748114	0.213602	0.24068	0.606769	0.40888	0.448266	0.181907	0.209308	0.52305	0.330375	0.79761	0.242866	0.817874	0.52495	0.397921
RASGEF1B	3.76603	6.01578	7.43974	7.40774	1.56564	3.51275	3.85387	6.68694	7.22245	6.06041	8.75849	5.26076	7.56679	3.10353	2.52471
RASGEF1C	0.0939925	0.0201276	0.0259191	0.0430498	0.146003	0.284563	0.357725	0.0649699	0.0381574	0.0393234	0.0589477	0.0597815	0.0741198	0.169207	0
RASGRF1	0.0346925	0.00848547	0.011258	0.022751	0.0709355	0.0349112	0.0288078	0.0335375	0.00384105	0.0197921	0.0178016	0	0.0264531	0.00989008	0.0226467
RASGRF2	0.86829	0.49469	0.544602	0.58776	0.586223	0.922964	0.644725	0.479138	0.221172	0.662423	0.794764	0.172579	0.47417	0.828383	2.51432
RASGRF2-AS1	0.085874	0.0448121	0	0	1.69E-18	0	0.0490241	0	0	1.13E-40	0.333835	2.62E-39	0	0.0768476	0.061663
RASGRP1	2.53157	3.30885	3.82299	4.23583	1.23691	1.97139	2.10215	3.41159	4.1875	1.06875	1.39254	3.13867	1.44032	3.51708	1.30222

RASGRP2	0.941139	0.509597	0.311431	0.498791	1.68468	1.99197	0.736842	0.382357	0.382067	0.449991	1.14338	0.275777	0.537821	0.651155	1.39021
RASGRP3	0.778449	0.541315	0.536076	1.15345	0.692838	2.12467	0.648589	0.474925	0.286981	1.64775	2.38455	0.391406	1.37644	2.02106	2.45949
RASGRP4	0.438697	0.426207	0.517609	0.948647	0.96073	0.857315	0.75544	0.543271	0.0613112	0.640873	1.3964	0.133793	0.682092	0.394666	1.13611
RASIP1	2.47411	1.12115	1.09585	3.10579	5.14959	4.39237	2.04062	1.07136	1.74987	2.53347	3.19647	2.23668	4.19645	4.32979	5.17368
RASL10A	0.357242	0.456504	0.591071	0.192077	0.579047	0.290961	0.407887	0.248468	0.132416	0.0389891	0.245476	0.322298	0.170363	0.219181	0.245369
RASL10B	0.0652121	0.0768049	0.0659365	0.440553	0.247615	0.746533	0.0579111	0.0579551	0.0705964	0.463805	0.61347	0.046661	0.392695	0.348401	0.385017
RASL11A	2.47488	1.26341	1.35274	1.24485	2.21965	5.14288	2.13612	1.19138	1.23794	1.60858	4.97235	0.959206	2.08151	1.23188	3.30036
RASL11B	0.827805	0.564086	0.303277	0.450912	0.826628	0.886116	1.25571	0.557018	0.489684	0.430434	0.627442	0.363851	0.236528	0.389382	0.271733
RASL12	2.53347	0.734931	0.884758	0.993733	3.21363	8.98722	2.8726	0.654425	0.373673	1.2543	3.12715	0.269719	1.2726	1.42489	3.41175
RASSF1	3.76046	3.94498	4.02684	4.5888	8.7879	7.19637	3.67508	2.6938	7.01033	6.69167	9.2175	3.29326	6.40204	5.20503	4.49273
RASSF1-AS1	1.26989	1.131	1.16903	0.515831	3.79616	1.15328	1.64708	0.654186	0.286877	0.184777	0.332387	0.797192	0	0.866696	0.513747
RASSF10	5.60469	3.49809	3.11008	1.2529	8.82656	2.57705	3.0618	2.39853	5.32419	1.5584	0.856578	2.59744	1.88038	2.16765	0.656306
RASSF2	4.39588	2.00544	2.8952	3.89541	2.38165	4.12638	3.71457	3.37446	0.698304	3.95536	7.14395	0.650344	4.63929	2.47505	6.08733
RASSF3	4.2946	2.50346	2.35755	4.86277	3.13989	8.77527	3.88189	2.91552	6.78	7.46132	9.89058	3.62296	8.22266	5.11262	5.40613
RASSF4	2.27411	1.20496	1.55578	4.14537	1.9834	6.35806	1.50118	1.591	0.305015	1.32719	3.44049	0.438046	1.75716	1.31863	4.11624
RASSF5	5.59963	7.23747	8.14359	13.8885	8.17183	10.9125	8.75932	5.59861	14.0456	11.135	9.46951	8.85199	16.932	4.98507	4.59533
RASSF6	0.619869	0.86321	0.703536	0.638793	0.328785	0.289652	0.36682	0.393012	0.883821	0.592988	0.460814	0.338059	0.629169	0.426693	0.217125
RASSF7	2.97685	5.05809	5.45927	4.83235	10.8646	4.8564	3.47406	2.51681	8.43806	4.62898	5.57605	4.4297	4.47867	4.07544	1.13499
RASSF8	1.75832	0.662604	1.00766	1.33285	0.361119	3.69697	1.02436	1.30948	0.350925	3.08633	4.15466	0.555263	3.38649	3.02218	6.63974
RASSF8-AS1	0.469693	0.257165	0.353239	0.330022	0.165817	1.78154	0.487527	0.474346	0.052003	0.669901	1.27736	0.12221	0.537214	0.725288	1.4104
RASSF9	2.0102	1.71358	1.58836	1.0889	0.540438	1.95305	1.41242	0.927604	2.84053	1.35854	2.22562	1.35537	0.864646	0.62633	0.74023
RAVER1	3.56295	3.30298	3.50185	7.25049	6.45523	10.5936	4.86254	3.71614	2.40896	2.99203	5.9059	3.9739	8.03955	5.19247	4.85776
RAVER2	3.00897	1.97393	2.02826	1.8594	0.807846	2.4672	1.69656	2.26381	1.28616	1.18559	1.89906	0.797406	0.876527	1.06783	1.42518
RAX	0	0.04883	0.101806	0.02984	0.0562233	0.117114	0.0495915	0.0128668	0	0	0.00817192	0	0.042035	0.00378341	0.103961
RAX2	0.0287849	0.041607	0.0158753	0	0.0298086	0.0408499	0.0219104	0.0170544	0	0	0	0.0137309	0	0.0100295	0.0413387
RB1	3.71492	3.11714	2.993	8.51128	1.77787	6.7311	2.54162	3.54718	5.28038	9.67216	9.90387	5.76736	16.2679	7.01097	7.02059

RB1-DT	0.121486	0.0975562	0.234504	0.125195	0.125806	0.120684	0.0693543	0.107966	0.073978	0.0508257	0.0228571	0.0144877	0.039191	0	0.0581563
RB1CC1	6.90091	6.02606	6.38377	5.38735	3.1436	5.37357	4.19328	5.4049	12.9789	8.36072	8.09592	5.07935	9.97521	5.15064	5.76284
RBAK	2.83189	2.15561	1.8925	2.74862	0.795999	2.71985	1.36745	2.5632	2.17064	2.27261	2.63729	1.2827	2.51505	2.26155	1.54889
RBAK-RBAKDN	0.0363962	0.176581	1.61E-05	0.146524	0.197306	0.0880159	0.404212	0.00079602	0.056306	0.323372	0.0532159	4.31E-18	0.158177	0.0107988	1.54E-09
RBAKDN	0.16156	4.11E-05	0.297584	4.14E-06	0	0.0127609	2.36E-13	0.212233	4.35E-07	2.36E-18	6.16E-08	0	5.26E-18	0.00916303	0.057403
RBBP4	8.68097	7.46034	7.33956	10.294	3.60881	10.8439	7.13843	8.13736	6.01151	6.32222	8.88847	4.60467	7.0811	6.50365	6.16199
RBBP5	2.69678	2.71247	3.12946	3.9524	1.78482	3.87332	2.42015	2.42933	3.17577	3.16743	3.02065	2.30504	3.71689	2.99992	2.65981
RBBP6	7.91642	6.54042	6.49623	7.46773	6.85689	6.75692	4.12965	4.5523	17.4455	8.65085	9.53792	10.2607	7.95566	6.60123	5.68903
RBBP7	11.5666	8.66397	9.01402	14.0434	6.82444	17.811	7.85726	8.45678	13.2465	11.3088	15.9101	8.15804	12.7617	8.84435	7.70539
RBBP8	6.24959	4.72688	4.97085	8.27866	1.6483	7.07309	2.09608	4.16558	4.24172	7.9338	9.07597	3.14421	10.5676	6.10402	2.89825
RBBP8NL	0.35944	1.18867	0.669047	1.30487	4.17482	1.57898	0.80214	0.602581	0.328318	0.758726	0.811527	0.56114	0.732622	0.478187	0.363688
RBBP9	5.78426	3.96937	4.02072	3.95123	1.9107	5.37994	3.55563	4.17005	4.95459	3.90104	5.54755	3.33594	4.16557	2.84749	2.86951
RBACK1	4.12175	4.99846	4.47368	7.74099	12.8635	11.807	5.78737	3.27092	4.87564	5.15294	7.57469	4.57013	6.38096	5.44175	5.40159
RBFA	1.4467	1.78676	1.8913	1.55386	2.00667	2.1028	1.25164	1.10462	1.08693	0.961581	1.54113	1.09346	1.16741	1.27367	0.895433
RFADN	0.0859272	0.317408	0.497595	0.0590336	0.0889831	0.0487772	0.032703	0.025455	0.0348832	0.0359491	0	0.0204944	0	0.0748488	0
RBFOX1	0.00795978	0.0364338	0.0263396	0.00820278	0.00618214	0.00338882	0.00908822	0.028296	0	0.00499517	0	0.00284772	0	0	0.0114312
RBFOX2	9.19115	7.79637	8.27215	7.18728	5.13351	13.3927	8.64528	6.89685	3.97508	8.16552	9.76153	4.47289	10.1174	8.66082	12.8836
RBFOX3	0.133048	0.121087	0.128412	0.0761724	0.20667	0.100701	0.185668	0.223347	0	0.046386	0	0.0740443	0	0.046358	0.20169
RBKS	0.358282	0.415234	0.256342	0.708502	0.120332	0.715485	0.221121	0.249565	0.542485	0.522601	0.568424	0.394933	0.424837	0.263167	0.180783
RBL1	1.05065	0.864545	0.778113	1.92977	0.480215	1.39821	0.919706	0.795582	0.301646	1.08245	1.55475	0.72836	1.79172	1.26507	1.01859
RBL2	10.7775	10.8972	11.2141	10.8185	5.76978	11.1924	8.65946	9.71337	8.73435	6.28816	7.93387	5.70865	5.84314	7.09221	7.60836
RBM10	3.74819	4.78443	4.2552	9.66349	9.64436	8.92595	4.51047	3.31911	7.14289	5.5082	3.85833	5.32046	10.1777	5.74654	5.12147
RBM11	0.126465	0.0221573	0.0285329	0	0	0.0587362	0.0525067	0.102174	0.0420054	0.0144297	0.0129785	0	0	0.0120175	0
RBM12	6.78888	6.28447	6.57895	9.05991	3.4981	7.68264	6.5434	6.74476	5.25261	5.23454	5.86016	4.41881	10.4988	6.80224	6.04394
RBM12B	3.02615	3.13251	3.15652	3.2027	2.86127	3.57343	2.18603	2.88697	0.850929	1.82219	1.97696	1.27256	1.8383	2.4139	2.80825
RBM12B-AS1	2.38285	1.68282	1.80924	1.44645	1.77464	1.13956	2.23616	1.5665	0.19877	0.860346	0.589577	0.770751	0.421207	1.706	2.25013

RBM14	3.70367	5.86597	6.97981	5.66221	5.1227	7.76321	6.16431	3.96906	2.43045	3.66889	3.91512	5.15955	5.02649	6.51689	4.77232
RBM14-RBM4	3.01211	2.73556	2.84033	2.10482	4.84741	1.84804	2.22694	1.67117	1.84521	1.38812	1.29146	2.47943	2.01269	1.33615	2.66171
RBM15	5.69976	4.77094	4.93287	5.19257	5.86754	5.15195	5.02142	3.27306	2.16054	2.9885	2.56611	2.65453	4.8177	4.52662	3.36142
RBM15-AS1	0.239503	0.145314	0.0953976	0.0731302	0.0275578	0.0226593	0.374736	0.173433	0	0	0.0400546	0.0317353	0.0171695	0.0463609	0.0764347
RBM15B	7.40977	7.20155	7.64993	9.43825	9.63936	11.8193	7.87421	5.44918	9.81585	6.60649	6.19623	6.45773	14.0174	7.53235	6.30791
RBM17	5.87194	5.03342	5.05587	7.26142	4.01149	8.1689	3.77582	4.26306	4.21965	4.6859	5.78442	3.77512	7.36595	5.98517	4.14512
RBM18	2.46908	1.97691	2.04062	3.38118	0.731672	3.29849	1.59402	2.09212	2.56389	2.96036	4.36356	1.93655	3.63417	2.66769	2.06273
RBM19	3.62763	3.68134	3.44527	4.65505	5.67955	6.48147	4.60993	2.99809	1.92696	2.64436	1.48998	3.26732	4.41126	4.4946	3.65565
RBM20	0.332671	0.309784	0.314903	0.0494463	0.149064	0.38949	0.346963	0.210367	0.0116872	0.0160591	0.0649981	0.0183104	0.0103191	0.053498	0.183753
RBM22	7.65516	5.9841	5.76978	9.5256	4.48981	12.0286	5.96961	6.1282	7.16054	7.20601	10.0338	5.24454	9.96725	6.83663	6.78611
RBM23	6.10228	5.3736	6.16202	7.93144	7.7829	9.5193	5.23125	3.99446	8.12528	5.86822	7.70534	4.80728	6.6988	5.54189	5.59874
RBM24	0.637198	0.102337	0.189769	0.0525321	0.0527888	0.419584	0.329815	0.15101	0.0206943	0.09597	0.450773	0.0364746	0.241189	0.150973	0.597863
RBM25	12.8005	10.3577	10.1668	9.56644	5.14633	12.7588	5.60658	7.67163	6.49128	6.19685	5.58577	7.74289	7.94303	10.6339	8.20288
RBM26	5.54387	5.4806	5.72646	5.01666	2.49085	5.17572	3.8635	5.669	2.46403	2.91078	2.81751	3.4516	3.55695	4.5806	4.0919
RBM26-AS1	0.309074	0.487363	0.410649	0.27025	0.116387	0.550269	0.299422	0.258032	0.079846	0.105796	0.243177	0.0938214	0.0966849	0.12727	0.107605
RBM27	5.07095	4.18236	4.58147	4.7918	2.29767	4.95663	3.59997	5.0507	3.17196	3.64197	3.56731	2.80802	5.00237	3.50476	3.46085
RBM28	5.59422	4.8509	4.77102	4.94993	4.83758	7.80802	4.08259	3.88069	1.83623	3.06083	3.11573	2.87095	5.42735	4.71942	4.91031
RBM3	38.2132	22.8322	24.2171	32.5618	12.4265	59.3626	24.3015	23.6676	36.6884	43.7342	79.5205	22.6534	34.715	25.9978	22.775
RBM33	7.23318	7.78009	7.94193	4.54817	6.30895	5.10925	6.94829	6.71709	3.94735	3.83729	2.61383	4.81628	3.9148	5.32556	5.23412
RBM34	4.90912	4.07009	3.82393	5.80021	2.68863	6.15912	2.41391	3.67745	5.39935	6.41916	9.83001	4.17433	7.85469	5.0678	3.36428
RBM38	1.882	1.183	1.47911	3.26391	2.26724	4.2431	1.73267	0.985325	1.19108	3.00403	2.96508	1.32662	3.8949	2.81743	1.87574
RBM39	20.7551	19.6527	18.242	23.6979	10.6053	18.9666	10.5136	15.0851	20.4932	22.2619	24.6395	15.8178	18.8443	21.7383	18.1819
RBM4	7.54334	8.15412	8.26191	9.53666	5.91297	11.104	7.54488	7.2847	6.82981	7.76182	10.7886	6.61939	9.02813	7.9461	6.05558
RBM41	1.46384	1.99969	1.66576	1.36835	0.62962	1.32341	0.738528	1.29213	1.60351	1.44901	1.23386	1.20811	1.49516	1.31344	1.33684
RBM42	8.76813	8.09129	8.96372	15.6075	22.2243	25.4343	11.2453	6.08741	14.5781	9.76708	16.9902	8.85487	17.7301	9.942	8.07142
RBM43	2.07542	1.35609	1.35062	1.23895	0.523812	2.34619	1.28272	1.97058	0.381665	0.734707	1.62868	0.410391	0.5608	0.525357	1.17185

RBM1F	0	0	0	0	0	2.91E-06	0	0	0	0	0	0	0	0	0
						0.00014024									
RBM1J	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
RBM2EP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RBM2FP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RBM3AP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RBP1	1.20808	1.81469	0.989612	2.67301	4.67303	2.7532	0.960135	1.21048	5.7554	11.7437	20.7909	4.05935	10.6601	9.49565	3.87814
RBP2	0.0336382	0.162074	0.445246	0.0346651	0	0	0.115221	0.179369	0	0.0422193	0	0.048138	0	0	0.144926
RBP3	0.0108246	0	0	0	0	0	0.0061796	0	0	0	0	0	0	0	0
RBP4	2.1946	0.028838	0.0660192	0.18504	0.402878	1.90265	1.34398	0.195038	0	0	0.135133	0	0	0	0.744952
RBP5	0.858306	1.07522	0.994072	1.52779	2.32712	2.2058	1.60361	0.846005	0.114035	0.685531	0.299485	0.658806	0.22151	1.76988	2.57733
RBP7	2.71332	2.14042	2.24465	3.15253	2.02472	6.90844	1.45788	1.48938	2.52699	3.87292	6.7266	3.44513	4.10195	2.02983	2.02474
RBPJ	5.21142	4.8469	6.10675	5.85461	1.10244	6.74665	4.90506	6.79492	3.74138	5.3188	7.05592	2.70594	5.82676	5.00309	5.39167
RBPJL	0.018448	0.0177771	0.030523	0.00950561	0.0143281	0	0	0.0245926	0.0112338	0.0231542	0	0.0660003	0.00595129	0.0289252	0.0132469
RBPMS	7.31118	2.79415	3.09087	3.21319	4.43623	13.3776	5.98454	3.3921	1.12939	3.52543	8.64023	2.2262	4.57404	5.38397	9.44781
RBPMS-AS1	0.712877	0.147204	0.252747	0.341083	0.909604	0.628684	0.203485	0.181013	0.0620146	0.191729	0.517339	0.109303	0.246399	0.319355	0.621582
RBPMS2	1.02506	0.422605	0.367175	0.304926	1.05057	2.72645	0.591222	0.347489	0.193052	0.291795	0.584546	0.143667	0.252272	0.347955	1.3507
RBSN	4.24268	3.39639	4.09848	3.75838	4.04576	4.35942	4.36812	3.23528	4.54646	2.70822	3.07844	2.4059	3.78793	2.91449	3.2129
RBX1	13.896	11.5691	10.0799	23.7443	5.39634	18.227	9.85795	7.42341	24.9502	28.3416	57.1246	14.9693	20.4694	14.9526	11.7391
RC3H1	6.23447	5.64178	5.91454	5.42611	2.73277	4.57905	5.32566	7.54385	4.79933	4.94082	4.9134	4.46239	5.4366	4.51277	4.635
RC3H2	4.22466	3.53933	3.44682	4.79568	1.76113	4.44885	3.32484	4.06487	4.83018	5.83263	6.44324	3.5704	6.76429	5.16294	4.97137
RCAN1	3.54331	4.10942	5.53578	8.84257	2.8987	12.6727	5.28743	3.45422	59.5334	20.2313	18.4937	18.3082	21.0547	14.9229	11.4021
RCAN2	5.78863	1.301	1.85511	0.800161	1.00809	4.5096	2.93086	2.90439	0.254052	1.17817	1.84462	0.480946	0.755186	0.738939	3.14555
RCAN3	4.64389	4.55964	4.58736	5.74592	4.10508	4.96878	4.84002	4.44615	3.62785	5.12875	4.74227	3.78737	10.0087	3.87218	2.19382
RCAN3AS	0.0436661	0.084156	0.0722474	0	0	0.0743623	0.0498566	0.155227	0	0.164416	0	0	0	0	0
RCBTB1	1.79096	1.19464	1.45365	1.80646	0.957944	2.3558	1.59634	1.4002	0.29837	1.01789	1.47341	0.592381	0.844835	1.40626	1.72278

RCBTB2	1.63125	1.09351	0.889127	2.72117	1.04237	2.4946	0.859621	1.3382	1.5415	2.93756	3.62753	1.378	2.46399	1.76786	2.78145
RCC1	2.14528	2.1786	1.9211	9.60077	5.90245	7.98301	2.569	1.38316	3.19736	3.37077	3.19429	3.18447	8.99442	6.83157	2.72303
RCC1L	2.6601	2.73637	2.85006	4.78379	5.77	7.07288	2.82756	1.73009	2.25803	2.71197	3.46014	1.92825	4.56878	3.8764	3.22555
RCC2	10.7905	15.182	16.6298	25.3969	23.1256	28.5152	14.4656	13.3841	27.5763	23.2485	17.9294	18.246	30.7121	16.2944	13.9878
RCCD1	1.15422	1.93434	1.84052	2.03415	4.11851	2.14366	1.33695	0.988614	0.896398	0.986776	1.17079	1.31063	1.25196	1.47752	1.00898
RCE1	2.78472	3.47936	3.41001	4.73425	8.45575	7.24742	2.92801	2.75447	4.40699	3.69258	5.63005	3.33215	4.59829	3.8811	2.64354
RCHY1	1.68135	1.35512	1.5228	1.47835	0.247595	1.52797	1.27981	1.70445	1.04577	1.36813	1.62523	0.794677	1.42318	1.21735	1.19624
RCL1	4.39144	3.81533	4.09016	5.20899	2.65365	4.48371	4.34854	2.92037	3.53698	2.21982	3.57341	2.21464	3.95502	3.2563	1.65965
RCN1	8.30746	6.69438	7.37315	16.9455	8.38305	28.6231	7.06407	8.21265	3.44902	18.9182	41.7732	3.45339	16.5902	14.1022	29.2925
RCN2	4.70619	3.63986	3.17544	6.88031	3.21909	7.75371	3.07717	3.99197	6.50244	7.77745	14.682	2.95836	7.56139	5.81572	4.97006
RCN3	3.6949	2.88089	3.85183	8.36151	16.3846	13.2117	4.51802	2.80669	1.1554	9.76064	26.7175	1.98285	8.9639	7.35912	25.3127
RCOR1	4.65997	5.85817	6.19337	11.7259	4.16575	7.64823	5.18288	5.03471	8.35384	14.5537	7.00798	7.98629	19.5856	9.62014	5.94744
RCOR2	0.231075	0.244082	0.198514	0.0457941	0.690268	0.40865	0.334866	0.20536	0.140712	0.100393	0.190625	0.120826	0.160557	0.24154	0.140399
RCOR3	5.42038	4.28234	4.17591	2.56932	1.88871	3.21055	3.1505	4.78806	1.6703	2.07588	2.32002	1.92749	1.84105	1.92357	2.34589
RCS1	1.11948	0.425826	0.51821	0.642337	0.867058	1.32025	0.665646	0.644891	0.185059	0.829022	1.21474	0.275141	0.790306	0.555912	2.11095
RCVRN	0.118177	0.161329	0.146647	0	0.214165	0.0167711	0.269862	0.0525131	0.0479755	0.0988831	0.0889383	0.084559	0.0127079	0.0617646	0.22629
RD3	0.027125	0	0.00448794	0.0223625	0.0084269	0	0.0123882	0.0192852	0.00660704	0	0	0	0.00700037	0.00567068	0.0545369
RD3L	0	0	0.0159414	0	0	0	0	0	0	0	0	0	0	0	0
RDH10	2.7739	2.10746	1.74402	5.83752	4.17275	4.81835	2.06274	1.70229	5.14923	4.40504	2.248	2.08508	4.19733	1.67562	1.91216
RDH10-AS1	0.354846	0.318005	0.205488	0.504637	0.0771678	0.138987	0.291709	0.372122	0.0518595	0.391924	0.0560808	0.264058	0.151104	0.148366	0.214034
RDH11	6.13301	5.33635	4.74534	11.618	4.11888	9.40768	5.02528	4.76918	11.3027	10.8559	11.7799	6.42112	12.0977	9.88492	5.8416
RDH12	5.85354	10.6994	10.2966	5.18138	23.8704	3.71455	9.4693	7.76488	42.3985	5.8929	9.62669	11.3042	2.06723	5.51321	1.02647
RDH13	3.72196	5.76276	6.46256	5.5939	10.6666	5.12055	8.34644	4.31124	13.8739	8.69204	7.72342	9.11457	6.91811	8.75145	2.10205
RDH14	3.11125	2.69499	2.86311	4.1095	3.84157	4.641	2.12361	2.56529	3.98114	4.12484	8.03363	2.31717	4.12468	2.64146	1.84609
RDH16	0.387499	0.598737	0.414526	0.771119	1.95105	0.290129	0.350896	0.427502	1.0415	0.45281	0.920129	0.956091	0.547441	0.345687	0.211085
RDH5	1.16446	1.64556	1.61866	0.649199	2.65063	1.52468	1.67852	0.956939	0.164797	0.631087	1.92618	0.749237	5.02E-08	0.814197	2.02449

RDH8	0	0	0	0	0	0	0	0	0	0.0338937	0.0914549	0	0.0174233	0.0423415	0.0969555
RDM1	0.0141895	0	0	0	0	0.0120822	0.0162011	0	0	0	0	0.010153	0	0.0148321	0
RDM1P5	0.0606182	0.165204	0.33953	0.0631018	0.376605	0.165121	0.244783	0.171838	0	0.0252034	0.0113343	0.0795028	0.0131998	0.110635	0.45052
RDX	5.23512	3.60768	3.95476	5.56264	1.66527	7.02219	2.37187	3.5441	3.38349	7.35073	6.88932	3.42054	10.7308	6.31594	6.20037
REC114	0.200156	0.265205	0.39326	0.1547	0.0388639	0.0213038	0.199965	0.377999	0.030471	0.0942062	0.0282439	0.0179021	0	0.235373	0.143725
REC8	0.784342	1.30115	1.14988	1.98491	1.92777	2.31636	0.895536	1.11176	0.423208	0.847357	0.291406	0.767234	0.474025	0.716083	2.21006
RECK	2.13144	1.64195	2.30477	0.902212	1.03583	1.96119	2.39624	1.49794	0.453402	0.975591	1.48247	0.541542	1.64443	1.45182	4.07157
RECQL	4.29454	2.91712	3.36065	5.63454	1.04305	7.04316	2.01235	2.74493	1.63588	7.98297	11.4709	1.95428	7.96347	5.45491	6.81429
RECQL4	0.376014	1.12208	1.04357	1.77497	1.93123	2.62334	0.997132	0.603662	0.487487	0.662233	0.472397	1.06751	1.41648	1.48976	0.818715
RECQL5	1.59346	3.00865	2.55151	2.93003	6.35091	3.69036	2.34937	1.82471	4.33792	1.48456	1.14378	2.84241	1.28727	2.0342	1.48073
REELD1	0.127651	0.113782	0.211203	0	0.0297428	0.114127	0.123885	0.187185	0	0.0320429	0	0	0	0.0166789	0.0733289
REEP1	0.745215	0.32201	0.357175	0.316938	0.211304	0.478423	0.5875	0.446779	0.37456	2.36799	0.554159	0.672874	2.43839	1.16535	0.942814
REEP2	0.347248	0.196834	0.160532	0.0526249	0.412479	0.773978	0.629698	0.145226	0	0.141004	0.288235	0.073078	0.0527159	0.101419	0.176009
REEP3	3.93943	3.60978	4.01671	5.28769	1.74048	4.94827	3.99533	4.34666	9.55766	10.564	12.2221	5.92387	11.5122	7.06679	7.39437
REEP4	7.51203	12.3267	11.1682	16.8863	26.2707	19.637	11.8415	9.36093	27.0363	14.1511	19.381	16.627	18.1077	10.0938	5.48128
REEP5	15.3	12.056	13.4744	14.3511	5.35315	17.3345	10.1931	12.5016	14.934	13.787	24.3146	9.96438	14.0021	9.3434	10.197
REEP6	0.873053	1.42745	1.4445	2.55163	2.93462	3.86322	1.27463	1.28468	1.4119	1.81431	2.31043	1.96625	1.92073	1.0996	0.369978
REG1A	0	0	0	0	0	0.0731659	0	0	0	0	0	0	0	0	0
REG1B	0	0	0	0	0	0.0488983	0	0	0	0	0	0	0	0	0
REG1CP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REG3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REG3G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REG4	0.0102312	0	0.016928	0	0	0	0	0	0	0	0	0	0	0	0
REL	6.83914	7.5518	8.59082	4.07399	1.64887	3.49963	4.39217	12.2694	6.66192	3.38828	3.85859	4.27572	3.09815	2.72443	3.49478
RELA	10.7098	11.8468	13.1373	19.9828	15.3111	26.7841	16.0922	10.1641	24.0967	17.1711	24.2203	14.8699	33.9758	15.0981	17.0308
RELB	1.79041	3.04377	4.09841	6.8561	4.14008	7.7698	2.1023	2.07936	2.3168	3.19197	5.48925	1.38299	6.03835	3.08902	6.73493

RELCH	6.01923	6.31768	6.46573	7.0243	3.51367	4.60523	5.0997	6.01865	8.88818	7.02885	5.57385	7.03443	6.84123	5.9326	3.55527
RELL1	5.66388	6.20362	7.83373	9.64228	2.96406	13.0942	7.3384	5.76637	3.92303	7.43344	9.9029	5.40897	15.8739	6.6065	7.50753
RELL2	0.686345	0.874596	0.694992	1.3982	3.07882	1.29557	0.898031	0.645549	4.15948	2.26937	2.69547	3.08091	2.17774	1.96321	0.593498
RELN	0.862039	0.371014	0.503004	0.507043	0.782921	0.607989	1.40672	0.474598	0.085256	0.800792	0.860244	0.145974	1.10591	0.543572	0.496922
RELT	1.0482	0.915194	1.16145	2.43536	1.7269	2.39631	1.03723	1.25337	1.8027	2.43984	2.41679	1.95459	3.11096	2.90519	2.40857
REM1	0.942352	0.440685	0.504434	0.542685	2.34638	0.9322	0.822783	0.406426	0.135021	0.834881	1.87729	0.188401	0.786824	1.02849	1.73147
REM2	0.286331	0.215936	0.278069	0.128293	0.251393	0.180206	0.213211	0.210212	0.0909703	0.21875	0.126482	0.19597	0.0401608	0.0520519	0.0536358
REN	0.0947838	0.243564	0.0784119	0.244194	0.343541	0.201768	0.0901843	0.140393	2.11633	0.0396545	0.44583	1.17555	0.0101923	0	0
RENBP	1.41596	0.856578	0.898058	1.15114	2.98151	3.09455	1.72448	0.796978	0.21077	0.691123	1.66948	0.24766	0.872966	0.476916	1.49123
REP15	0.280915	0.520573	0.482661	0.60125	0.369226	0.533589	0.246723	0.345674	0.157903	0.542426	0.439086	0.201002	0.641328	0.858322	1.14822
REPIN1	5.67051	5.68005	6.66883	8.34803	14.476	14.9895	5.77506	4.75269	5.44625	4.28181	6.36415	4.95747	7.01976	4.66061	5.07908
REPS1	6.43216	5.76811	6.22626	6.33775	4.67812	5.59454	4.15526	5.60377	7.22352	5.10253	4.7454	3.89368	5.57293	4.16528	2.67941
REPS2	0.427767	0.437447	0.568131	0.338866	0.185328	0.299815	0.46183	0.512056	0.276434	0.164354	0.364635	0.114519	0.182118	0.0882111	0.351044
RER1	9.39343	11.2244	10.4685	19.316	14.72	21.5179	10.849	8.10448	21.7013	18.88	28.5774	13.5003	21.3132	14.2959	11.5489
RERE	7.04495	7.64591	7.88697	7.53738	8.48783	17.0487	10.775	8.04764	2.69623	4.35243	5.92088	4.4393	7.08276	5.30435	8.08048
REREP3	0.0300208	0.0303187	0.0504694	0.0969082	0.105553	0	0	0.0562952	0.035696	0.114229	0.103425	0.0879374	0	0	0
RERG	3.57348	1.40043	1.77045	0.461605	1.08234	4.18701	1.89798	2.26464	0.460669	1.17437	2.35973	0.284894	0.693605	0.88961	1.21509
RERG-AS1	0.138167	0.0665712	0.0571509	0	0	0	0	0.0613959	0	0	0	0	0	0	0
RERGL	2.11859	0.418029	0.784517	0.020793	0.125368	0.73876	0.529862	0.448292	0	0.0253242	0.204996	0	0	0	0.0869303
RESP18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REST	5.50822	4.78539	5.17883	5.73938	2.15939	6.16921	3.12125	5.37183	3.64524	5.04783	5.53704	2.85064	5.76701	4.309	4.68761
RET	0.208558	0.179557	0.260215	0.250158	0.488598	0.276565	0.210799	0.118502	0.312295	1.66498	0.158244	0.366955	0.74339	0.116149	0.707051
RETN	0.0484164	0.0466555	0.0400535	0.299367	0.376037	2.30865	0.165841	0.0430285	0	0.182303	0.218624	0	0.124952	0.202436	0
RETNLB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RETREG1	0.993183	0.538724	0.893975	0.894763	0.64039	2.09027	1.01274	1.17133	0.121719	1.22303	2.29878	0.402254	1.4025	0.665991	2.21576
RETREG2	8.69643	8.44889	10.3339	9.28634	13.1163	17.1805	9.28165	7.00417	6.6428	7.06131	8.714	5.3629	7.87513	5.89825	5.76535

RETREG3	9.97648	11.1063	10.5554	13.9004	14.2608	17.3882	11.0371	7.74872	15.7168	10.1423	12.1609	9.26869	13.434	7.8214	8.34173
RETSAT	9.42917	11.0126	11.2121	10.5526	9.71745	17.9086	11.1969	7.05051	10.2834	10.352	8.1036	7.93714	9.65537	6.89349	5.1295
REV1	4.93866	5.11648	5.69231	5.27843	2.22699	3.70839	3.86866	4.49277	4.71537	4.52992	4.18255	4.18087	3.46606	4.51977	3.96825
REV3L	7.64474	5.14475	6.13217	3.6902	1.61708	9.51772	4.12913	6.43898	2.06219	3.42395	4.22406	2.38125	2.36571	3.4219	7.91643
REX1BD	6.39064	6.551	6.9185	9.29593	21.6512	12.2491	5.31483	4.34724	5.6051	6.10645	16.6551	4.17751	4.80193	5.47051	5.77859
REXO1	5.03681	5.11894	5.75495	6.82012	11.2297	9.36046	7.05447	5.18568	5.15598	4.02003	2.92566	5.27763	8.44863	5.66097	6.30482
REXO1L2P	0.00214665	0.00206858	0	0.00221219	0.0266759	0	0	0	0	0	0	0.00153599	0	0.00112193	0
REXO2	7.44169	8.9686	7.11357	18.2778	9.66908	16.4443	6.69711	5.67383	22.1111	18.7302	30.0895	12.1198	18.536	13.2113	9.31191
REXO4	2.42389	3.05166	2.67361	5.6657	6.75128	6.83225	2.78873	1.89829	3.1443	2.64592	3.10321	2.58492	4.92534	4.05774	2.28066
REXO5	0.536906	0.416992	0.424279	0.470715	0.211612	0.750574	0.43003	0.370331	0.22447	0.543121	0.398036	0.344033	0.305047	0.272234	0.299219
RFC1	6.21207	5.05301	5.23292	6.34333	2.20141	8.10937	2.99354	4.52157	3.81448	3.99033	4.96491	2.86979	5.73626	4.07879	4.5455
RFC2	4.57597	4.25759	4.65675	10.0256	4.08956	12.2227	5.58253	3.7102	7.75641	6.65595	11.2229	4.26024	7.86221	5.41879	3.24081
RFC3	1.80944	1.03917	1.24296	2.39744	0.238406	2.33858	1.36501	1.60808	0.590275	1.42953	2.06999	0.73405	1.93357	1.34255	1.48491
RFC4	1.67915	1.4211	1.29248	4.36365	0.79383	4.46338	1.05029	0.804538	1.04918	2.40072	4.17022	1.22237	3.39144	2.21306	1.04847
RFC5	2.35384	1.62143	1.55173	3.85649	0.999777	3.35871	1.86868	1.38915	0.918245	2.04263	3.03086	1.06581	3.33992	2.34991	1.98071
RFESD	0.191502	0.336949	0.3639	0.251844	0.0885759	0.152598	0.241531	0.418646	0.119052	0.112466	0.297085	0.102562	0.131395	0.139252	0.0935906
RFFL	3.99209	3.47073	3.45061	4.70764	2.85777	4.00165	3.04821	3.26773	4.80305	5.06993	5.10011	2.96633	5.51931	3.24167	3.01177
RFK	1.18836	0.795006	0.91944	1.42727	0.531203	2.32221	0.917567	1.00293	1.86377	2.09241	4.00522	1.18063	3.66262	1.66219	1.98902
RFLNA	0.101204	0.115727	0.136495	0.276212	4.37E-10	1.60584	0.265046	0.253613	0.0369031	0.218263	0.292292	0.0157946	0.345616	3.21E-05	0.782401
RFLNB	1.40648	1.10583	1.48616	3.28097	4.41916	6.84267	3.02197	1.21588	0.887614	5.0471	8.8192	0.919462	4.93739	4.84825	3.41545
RFNG	3.46893	4.39805	4.40934	5.97544	8.86929	9.59428	5.18939	2.3853	6.09044	5.30726	9.04678	4.75587	6.81242	4.73765	4.47272
RFPL1	4.98E-21	0.0156687	1.76E-12	0	0	1.53E-19	0	0	0	4.10E-18	0.0162959	0	1.48E-06	0	0
RFPL1S	0.0361964	0.0411972	0.0230221	0.0186507	0.0351409	0.0355741	0.0206639	0.0120631	0.00551039	0.0397514	0.0360951	0.0100618	0.0233533	0.0094589	0.0519826
RFPL2	0	0	0	0	0	0.00642308	0	0	0	0	0.00851552	0	0.0243347	0.0118275	0.0108332
RFPL3	3.98E-05	5.10E-18	2.67E-17	1.90E-16	1.64E-18	3.07E-16	0.0401815	0.0274052	0	2.14E-27	0.00072186	1.66E-12	0	2.18E-10	2.00E-07
RFPL3S	0.135892	0.106431	0.250907	0.140086	0.105578	0.0978962	0.0915238	0.0906062	0	0.06398	0.0183863	0.0716666	0	0.0532845	0.0976102

RFPL4A	0	0	0	0	0	0	0	0.0226516	0	0.03199	0	0	0	0	0
RFPL4AL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RFPL4B	0	0	0	0	0	0.0103716	0	0	0	0	0.0137503	0	0	0	0
RFT1	2.19718	2.47803	2.53121	2.46542	1.84752	3.20445	2.73673	2.13826	0.801671	1.28198	2.55209	1.20834	1.78666	1.55643	1.38213
RFTN1	5.88984	3.85185	4.55361	12.751	6.38271	12.2818	5.63336	3.26122	4.31892	12.8689	12.0011	8.46177	20.7264	10.0004	14.9907
RFTN2	0.959028	0.76296	1.03323	0.528629	0.496567	0.848251	0.407437	0.83909	0.280679	1.25966	3.26465	0.313848	0.527625	0.831498	2.08194
RFWD3	3.435	3.92255	3.81597	6.65111	2.52631	5.23292	3.60715	3.55531	3.87609	3.44903	4.03069	2.87918	5.8919	3.86658	2.88603
RFX1	1.27427	2.10429	2.10396	2.28851	3.36741	3.92139	2.10692	1.60707	2.15723	1.65906	1.34299	3.13257	1.91039	2.43183	2.17171
RFX2	1.31136	2.77682	3.81794	1.2934	1.51245	1.84504	3.80423	2.47592	1.09672	1.71654	1.06739	4.36939	1.48883	2.47676	2.71581
RFX3	0.92938	0.792804	0.885883	0.426166	0.273853	0.641237	0.670974	1.03873	0.13784	0.491718	0.651112	0.501471	0.310347	0.52441	0.825204
RFX3-AS1	0.667789	0.653556	0.535178	0.215055	0.0972475	0.657459	0.333576	0.389468	0	0.419072	0.21202	0.179183	0.148106	0.305389	0.569423
RFX4	0.0211497	0	0.00437413	0.00544884	0.00821319	0.00900434	0	0.00469902	0	0.00663626	0	0	0	0.00552688	0
RFX5	3.08958	3.9388	3.50317	6.9281	5.37549	7.2495	2.70959	2.45583	2.14236	3.43618	4.70087	2.02301	3.92898	3.72433	4.80449
RFX6	0	0	0	0	0	0	0	0	0	0	0	0.00472183	0	0	0
RFX7	4.46135	3.84656	3.50182	5.35994	1.12419	5.00661	3.38976	4.31648	1.06553	2.57567	3.51125	2.15653	3.22917	3.44459	3.23818
RFX8	0.414942	0.180578	0.343269	0.400022	0.540589	1.16253	0.320939	0.226018	0.0489051	0.201598	0.574189	0.0670424	0.0345443	0.328798	0.749692
RFXANK	3.47946	3.8769	3.73356	7.22804	9.00039	8.15869	4.32374	2.5799	5.65223	4.36623	8.84609	3.82826	5.4954	4.03919	3.49866
RFXAP	0.704532	0.682855	0.528621	0.523425	0.229057	0.739411	0.299316	0.480518	0.119727	0.277616	0.776833	0.111373	0.280136	0.492386	0.482368
RGCC	3.2793	2.9185	4.09522	4.00363	2.36849	5.10435	2.52793	3.73113	2.97628	7.10443	16.7883	1.98773	5.18839	6.10237	5.12944
RGL1	4.21125	2.82407	2.99759	4.64267	3.48925	7.76142	4.80827	3.59337	1.86643	2.87729	5.11894	1.93474	2.34054	1.95084	4.90826
RGL2	1.15923	2.09267	2.03372	2.7732	4.47267	2.736	1.58607	1.09054	2.58242	2.225	1.84334	2.44275	2.71105	2.03475	1.64095
RGL3	0.379542	0.148037	0.209323	0.260753	0.673783	0.623267	0.361124	0.152591	0.0440229	0.158788	0.295839	0.12932	0.145761	0.821799	1.3497
RGL4	1.64985	2.12341	1.9881	1.01958	2.90619	1.5267	2.27082	1.6604	0.605551	0.472768	0.586806	1.16434	0.189564	1.5213	1.95826
RGMA	1.77536	1.40807	1.1206	2.11468	2.34587	6.22839	2.42851	1.15773	0.905591	0.44131	1.34695	0.771264	1.99339	1.10863	1.85429
RGMB	4.6185	5.68977	7.14405	3.03067	2.38614	5.07279	6.23675	5.60445	1.67391	2.38464	4.63188	2.07174	2.97005	2.05202	2.88097
RGMB-AS1	0.193809	0.291126	0.424409	0.0939885	0.106254	0.349466	0.234301	0.243164	0.0277691	0.0858529	0.218786	0.0407869	0.0367778	0.0536257	0.147353

RGN	0.471679	0.311251	0.313862	0.169071	0.382268	0.427822	0.327812	0.273384	0.0624405	0.115827	0.162055	0.0220108	0.105852	0.171492	0.353421
RGP1	4.95214	5.96618	6.22345	8.79449	7.19388	11.3178	7.23286	4.17279	10.4198	6.9023	6.54678	7.72808	14.661	7.65207	5.07081
RGPD1	0.192189	0.235495	0.209171	0.0566904	0.115058	0.132508	0.113816	0.243377	0.020825	0.247477	0.108678	0.237348	0.0276432	0.0817877	0.402522
RGPD2	2.76E-05	0.00622391	3.32E-09	2.35E-09	0.0210674	0.0738666	3.66E-08	5.80E-07	8.13E-05	0.173112	0.0280306	0.0610244	0.0330354	0.0122726	0.311265
RGPD3	0.156466	0.0279435	0.0489005	0.020058	1.76E-22	0.0198283	0.0523277	0.0531285	0.0141333	0.0236986	0.0407066	0.0255963	0.0261431	0.0153005	0.065315
RGPD4	0.0598519	0.110058	0.121572	0.0853148	0.0461407	0.0993154	0.120214	0.0565418	0.0981707	0.207565	0.0435869	0.0466796	0.118082	0.0377686	0.102878
RGPD4-AS1	0	0.0211588	0	0	0	0	0	0	0	0.0183725	0.0330495	0	0	0.0229517	0.0210224
RGPD5	3.31959	3.12814	3.65857	1.50277	0.606373	1.62013	2.03596	2.36696	1.22937	1.37819	0.92704	1.1881	1.40829	1.54643	1.83156
RGPD6	0.656886	0.544184	0.64207	0.186265	0.264667	0.394659	0.440077	0.337515	0.167296	0.137795	0.135336	0.156914	0.194556	0.197368	0.178176
RGPD8	0.964719	0.506534	0.472615	0.671907	0.752737	0.627711	0.79751	0.917722	0.317187	0.805139	0.736534	0.367491	1.1299	0.404731	1.15248
RGR	0.0313804	0	0	0	0	0.04008	0.0358291	0	0.0191089	0	0	0	0	0	0
RGS1	0.907247	0.413282	0.477616	2.63484	0.102492	0.210684	0.169505	0.806286	0.44197	2.65004	5.605	1.10947	3.05447	0.70694	0.947579
RGS10	4.11062	3.85808	3.91167	8.864	2.9527	5.6852	2.306	3.73765	5.5561	6.91875	14.5649	3.58731	9.35152	4.56999	4.57256
RGS11	0.332047	0.528279	0.454033	0.113314	2.89188	0.338484	0.890209	0.318541	0.921354	0.166364	0.0965982	0.232525	0.147232	0.347859	0.942197
RGS12	3.4629	4.70222	4.66097	5.67379	10.3948	6.64624	3.64909	2.8989	4.59063	5.39253	2.32096	6.21211	9.98287	5.1351	3.45895
RGS13	0.325958	0.356936	0.808968	0.290104	0.0230148	0.0252318	0.219918	0.329187	0.0902229	0.111576	0.217435	0.0318044	0.191188	0.0929237	0.191503
RGS14	2.5971	4.04594	4.15378	6.57202	8.30745	6.65057	3.00922	2.18841	5.18962	4.76871	8.32849	5.08622	5.84611	4.05699	2.33456
RGS16	0.685156	0.385138	0.795108	2.40261	1.58164	3.71918	0.880075	0.482054	0.185432	1.74377	3.09382	0.640045	4.56181	1.49703	5.27518
RGS17	0.157865	0.243398	0.117538	0.357906	0.147132	0.0403261	0.162221	0.126268	0.0384524	1.28789	1.22965	0.530897	1.23243	0.5693	0.634801
RGS18	0.0971037	0.0727783	0.0714054	0.522578	0.0167595	0.395039	0.0123189	0.134241	0.0131402	0.758334	1.80261	0.0694803	0.382866	0.169169	0.619792
RGS19	1.28649	1.49027	1.66434	5.71207	3.80538	6.47933	2.32831	1.02169	1.63347	3.62442	8.621	1.50808	4.04421	2.42483	3.06616
RGS2	2.60574	2.18058	3.48875	8.03819	0.559209	7.54667	1.68331	2.22435	4.73936	16.0296	23.3582	3.85161	16.8231	5.46541	6.25336
RGS20	0.93618	0.67863	0.627952	2.94643	1.00878	1.73792	0.73186	0.884467	10.0046	7.8651	6.6171	4.683	8.49988	4.05978	1.44137
RGS21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RGS22	0.38005	0.11806	0.198571	0.0360733	0.00776775	0.2129	0.119901	0.217764	0.00609024	0.018829	0.00564512	0.00357811	0.0096792	0.00261356	0.150813
RGS3	1.74496	1.0602	0.898721	3.51717	4.44107	5.14136	1.09983	1.05026	1.12068	3.65405	7.05255	1.35647	4.56291	3.84743	6.63844

RGS4	0.0290888	0.0224247	0.0288772	0.389699	0.117481	0.936258	0.0464977	0.031022	0.0708538	0.861623	1.44485	0.0915808	0.420402	0.623326	1.08616
RGS5	12.4135	3.81954	2.32874	4.0124	4.22731	4.9929	4.61994	5.92869	4.51789	4.35862	6.1618	2.70339	4.53136	2.22718	21.0056
RGS6	0.241184	0.133295	0.16138	0.0804124	0.132227	0.226506	0.425214	0.135541	0	0.0178065	0.00800785	0.017765	0.0411911	0.0278059	0.0152811
RGS7	0	0	0	0	0.0261258	0.00716061	0.0192035	0	0	0	0	0	0	0.0307663	0
RGS7BP	0.16239	0.0948388	0.118057	0.0253557	0.0305755	0.104752	0.101134	0.0393597	0	0.0926438	0.177763	0	0.0285745	0.0154313	0.106006
RGS8	0.0603207	0.00968781	0.00665354	0	0.00624659	0.0136966	0.00459148	0.028591	0	0	0.00453964	0.00575481	0.0207566	0.0105087	0.0288761
RGS9	0.116567	0.155531	0.274462	0.110885	0.278568	0.13743	0.358326	0.310785	0.0218409	0.225083	0.070856	0.0192477	0.202484	0.0609231	0.103019
RGS9BP	0.0959629	0.123297	0.138928	0.00824105	0.472034	0.108948	0.0547837	0.0426419	0.243483	0.0501847	0.0270825	0.080108	0.0257978	0.0125386	0
RGSL1	0.0123101	0	0.00509191	0.0190289	0	0	0	0.00547011	0	0	0.0277932	0	0.0238273	0	0.00883945
RHAG	0.0120037	0	0	0	0.0186458	0	0.0137054	0.0213357	0	0	0.0135506	0.00858894	0	0	0
RHBDD1	2.70343	2.4038	2.68376	3.00125	1.33616	2.93323	2.67981	2.59553	1.98048	2.19008	2.61256	2.01645	3.03392	2.07658	1.95888
RHBDD2	9.32825	8.34441	10.1261	10.7964	8.0357	22.2564	14.3135	6.54378	9.77488	10.757	20.2056	8.10608	17.0933	8.68034	8.26233
RHBDD3	1.49027	1.23544	1.44136	2.57467	5.2596	4.17073	1.52639	1.04201	1.68153	1.87044	3.87184	1.65438	2.2129	2.00448	2.32906
RHBDF1	5.66974	6.63376	7.49953	6.2095	10.7896	7.73882	7.11823	4.317	6.39641	6.10645	4.66279	5.4737	8.23943	6.43992	4.93213
RHBDF2	3.41529	5.56457	6.36235	10.7506	13.7014	10.0034	4.86702	5.07204	9.80426	5.85771	4.63089	9.00765	8.83899	5.39858	4.05658
RHBDL1	0.268481	0.362203	0.333159	0.24901	0.729826	0.27433	0.229907	0.262464	0.0490469	0.320123	0.227311	0.220921	0.190545	0.329752	0.250622
RHBDL2	1.7909	3.74104	4.11971	3.04817	5.24073	3.10889	3.35082	2.39254	10.0191	3.82845	3.96514	3.41439	3.51115	2.14375	1.19472
RHBDL3	0.0434023	0.055765	0.0279264	0.104364	0.104874	0.102657	0.038543	0.0300007	0.00587323	0.0544743	0.0762156	0.0103518	0.0653401	0.100817	0.0415541
RHBG	0.256167	0.744407	0.907279	0.189741	1.43001	0.0886123	0.996269	0.355718	1.59891	0.100474	0.280143	0.515515	0	0.121332	0
RHCE	0.0765719	0.083018	0.162824	0.282196	0.0649683	0.249939	0.0478284	0.0622666	1.22078	0.194391	0.499785	0.186248	0.19732	0.107547	0.116164
RHCG	12.3195	1.72892	0.763888	112.113	18.3197	29.0915	2.04185	3.4695	62.7186	245.93	261.967	198.665	370.969	122.625	24.4068
RHD	0.327428	0.275686	0.12734	0.186108	0.298879	0.0897332	0.48612	0.409882	0.0856925	0.0434236	0.0896195	0.168145	0.0373221	0.374842	0.179527
RHEB	7.36116	6.66891	7.16921	11.0685	5.56129	13.7135	5.53949	7.03759	9.58991	10.2049	17.7025	5.34691	12.0102	7.47302	6.69532
RHEBL1	0.269733	0.415876	0.208266	0.296498	0.22346	0.275608	0.390098	0.287659	0.087601	0.225695	0.56839	0.167267	0.208836	0.206762	0.284071
RHEX	1.52897	0.776864	0.977401	0.658907	0.561368	0.153861	0.491978	0.827646	0.236996	0.43614	0.847317	0.129293	0.313881	0.254261	0.479082
RHNO1	1.88789	2.11338	2.31549	3.42644	1.12341	2.79915	1.3834	1.92822	1.48707	1.8508	4.13514	1.43148	2.01191	1.78194	1.42981

RHO	0	0	0	0	0	0	0.00954624	0.014861	0	0	0	0.00598247	0	0	0
RHOA	68.4782	51.5343	56.5522	120.569	60.2305	154.896	80.8999	56.0405	109.482	137.759	169.357	96.7114	190.088	86.9884	91.4678
RHOB	43.5163	25.445	24.6641	21.2465	50.2046	54.6918	31.7689	23.2112	43.8404	38.7047	42.6399	36.5592	30.8452	26.3269	32.508
RHOBTB1	1.1146	0.989387	1.55338	0.986584	1.03451	2.0281	1.02971	0.826158	0.58016	1.63694	3.33618	0.74789	0.790752	1.20376	2.29811
RHOBTB2	1.63349	1.09343	1.21653	1.35979	2.56206	5.95273	1.91951	1.05964	0.561486	1.04755	1.14409	0.526104	1.59755	1.76563	2.72262
RHOBTB3	3.1434	1.94926	2.70363	1.34545	1.14965	4.71231	2.17431	3.41439	0.551964	2.75022	6.24743	0.428416	1.49693	1.81238	4.52626
RHOC	20.6017	15.3607	21.0473	36.2823	24.1067	48.7234	22.3159	11.521	9.65019	28.7242	65.8384	9.65379	56.7969	29.7879	32.7438
RHOD	7.12879	10.2158	8.60112	28.1224	48.8951	20.506	15.7425	6.13579	61.5715	68.9117	82.8939	43.8466	108.005	36.4153	14.8141
RHOF	0.47984	0.490182	0.517851	0.497451	0.873168	0.746787	0.765595	0.431601	0.886001	1.30997	1.44183	0.808501	1.69775	0.36591	0.847804
RHOG	9.35197	8.99493	9.37683	34.355	20.6864	34.0336	15.6861	7.65633	24.1469	28.3422	44.2888	18.3297	63.8138	19.4868	17.4371
RHOH	0.374072	0.173432	0.233554	0.596421	0.372757	0.204332	0.0805855	0.307354	0.0085958	0.380914	0.549761	0.030301	0.660295	0.18444	0.638576
RHOJ	2.45563	1.5529	1.97857	2.91283	1.75822	3.80616	1.54791	1.48332	0.451718	3.41917	6.88694	1.00208	4.59217	4.5889	7.86137
RHOQ	6.36523	4.08586	4.52013	7.45377	1.56821	10.5629	3.79857	5.28574	6.60947	10.9118	16.8858	4.4509	10.963	8.36053	11.9832
RHOT1	5.27482	6.34967	7.5282	4.89478	2.70963	4.67235	4.01202	6.95763	7.41707	4.06497	5.65781	4.04431	3.55224	3.08126	3.20871
RHOT2	6.65184	8.6893	8.91703	9.75943	21.5772	17.3204	7.04893	4.8232	6.22147	7.01169	6.03191	7.79059	8.70255	10.0921	8.07116
RHOU	2.03316	0.716603	0.72832	0.982455	0.740441	4.97414	1.29877	1.22766	1.5402	1.21487	1.85042	0.365436	1.22705	0.483009	1.22942
RHOV	12.895	15.4278	12.9696	18.9538	33.8407	17.6834	10.9725	7.96166	24.9125	17.3089	15.752	18.0066	20.6768	12.2516	2.51466
RHOXF1	0.12038	0.232004	0.14938	0	0.140244	0.051251	0	0.0534919	0	0	0	0.0215338	0	0.015729	0
RHOXF1-AS1	0.451196	0.445391	0.465428	0.136089	0.0854711	1.19004	0.175909	0.361865	0	0.0690606	0.0869612	0.0472453	0.0710023	0.0460126	0.142238
RHOXF1P1	0	0	0	0	0.0460887	0	0	0.0263687	0	0	0	0	0	0	0
RHOXF2	0.162415	0.208043	0.182817	0.00243428	0.147596	0.00301703	0.00809113	0.017844	0.00143842	0.00148238	0	0.00338038	0	0.00493828	0.00848092
RHOXF2B	0.0424954	0.031659	9.74E-06	0.0163993	0.00358494	0.0203252	0.0545085	0.120212	0.00969041	0.00998652	0	0.022773	0	0.0332683	0.0571344
RHPN1	0.274103	0.705359	0.535973	0.520004	3.68684	1.12985	0.711278	0.265746	0.40211	0.304934	0.133617	1.19014	0.188908	0.582801	0.447326
RHPN1-AS1	0.0689808	0.08309	0.0951096	0.0710867	0.035717	0.31326	0.0918867	0.0817392	0.0140018	0.0288593	0.0519138	0.0329051	0.0148353	0.0120175	0
RHPN2	2.0056	1.08317	1.77304	0.141841	1.14027	1.90865	1.81099	1.61931	0.127717	0.115168	0.0517925	0.0797256	0.169151	0.116468	0.131778
RIBC1	0.163729	0.36288	0.318303	0.151854	0.152596	0.181237	0.177593	0.210987	0.0897314	0.0308245	0.0277244	0.076149	0.0158455	0.0812932	0.176351

RIBC2	0.131869	0.111189	0.218183	0.458646	0.230443	0.392997	0.150564	0.21974	0.0803009	0.0827547	0.241904	0.047178	0.116987	0.275682	0.284071
RIC1	5.92936	5.29461	5.98179	5.36797	3.27982	5.45015	5.31814	5.02164	6.99888	6.12936	6.731	5.72727	6.28675	6.22213	4.95851
RIC3	1.41071	2.19034	2.2259	0.60218	1.42529	0.6574	1.34158	1.29126	0.607797	0.297327	0.249596	0.858824	0.0652132	0.29128	0.140621
RIC8A	6.8372	6.69054	7.02478	14.2086	17.8747	16.3311	7.16701	5.03225	12.7986	15.1535	12.6369	9.72469	22.8186	10.8131	9.07616
RIC8B	0.94692	0.816669	0.833897	0.908932	0.411018	1.28326	0.567699	0.59641	0.317585	0.794158	1.2684	0.504879	0.749683	0.99371	1.16203
RICTOR	4.53328	3.64925	4.02903	3.08137	0.635739	3.05441	3.17209	4.8824	2.0055	3.8435	3.98148	1.76397	3.2293	2.73289	3.31566
RIDA	1.25902	1.32352	0.871114	4.45853	0.568928	3.07967	0.757958	1.30201	2.67638	2.41339	5.14243	1.5069	2.31878	1.328	0.394497
RIF1	5.91816	5.02377	5.66529	5.6185	1.52569	5.41682	3.38771	5.42738	3.04866	4.08641	4.35808	2.97709	5.99378	4.86614	4.6986
RIIAD1	0.0508639	0.024507	0.0420782	0	0	0.0433099	0	0	0	0.0638394	0.0574189	0	0	0	0
RILP	1.4214	1.03351	1.34692	1.02536	2.89038	3.06978	1.04752	0.780903	0.472121	1.16771	3.00496	0.739675	1.74246	0.837438	1.7444
RILPL1	1.85166	2.07903	2.05624	1.46696	3.49818	3.10125	1.69515	1.64561	0.69753	1.18526	1.3747	1.30545	1.70413	1.79893	1.84469
RILPL2	3.00693	1.585	1.7434	2.29094	2.49508	5.05509	1.45251	1.26763	0.48515	2.30633	3.64105	0.717179	2.52041	1.78646	2.02998
RIMBP2	0.502667	0.877775	0.475935	0.74558	0.938786	0.546771	0.421324	0.400248	0.191089	0.317273	0.318165	0.388779	0.211838	0.115413	0.438144
RIMBP3	0.114166	0.0681753	0.050154	0.0493942	0.149027	0.175336	0.14641	0.125688	0.00486546	0.0509448	0.0835135	0.114484	0.0461308	0.106051	0.293718
RIMBP3B	0.0152937	0.0205531	0.0310842	0.0212373	0.0479588	0.120349	0.0232942	0.0225695	0	0.0538906	0.0478068	0.0058233	0.0453339	0.0665963	0.00019546
RIMBP3C	0.00052877	0.00071060	0.0103082	0.00073427	0.00165815	0.00911412	0.00080538	0.00304048	0	0.00186324	0.0016529	0.00020133	0.0015674	0.00690681	6.76E-06
	4	9		1			7					8			
RIMKLA	0.1489	0.0738525	0.0797053	0.0248222	0.0510207	0.234928	0.145008	0.0739492	0.0613369	0.129171	0.249663	0.0438703	0.026843	0.0904106	0.0691834
RIMKLB	4.2326	2.99333	2.71673	2.22535	2.9846	2.94018	2.30801	3.02275	1.24355	2.5068	2.34815	2.25351	2.30576	2.71696	2.69002
RIMS1	0.23485	0.155835	0.281202	0.00849193	0.0640006	0.150856	0.138777	0.120835	0	0.00258562	0.00465117	0	0	0	0.0295855
RIMS2	0.0281515	0.157833	0.0148202	0.232087	0.0993839	0.0239706	0.00584408	0.0295675	0.264932	0.0899384	0.066448	0.0915596	0.0544895	0.147132	0.0808581
RIMS3	3.11818	3.32716	2.25647	4.53634	7.50412	5.28292	3.3921	1.3486	14.8083	13.8303	7.56772	10.654	24.2783	7.35372	4.25742
RIMS4	0.131107	0.122862	0.238645	0.0283979	0.162984	0.167407	0.12545	0.0383233	0.11647	0	0	0.0127136	0	0.00464321	0.0318967
RIN1	3.49015	6.31404	5.76084	19.6532	13.5792	20.4987	5.49354	3.94367	2.23663	5.048	4.43713	6.01135	9.76329	6.97941	3.50862
RIN2	11.4764	10.7131	8.19419	27.6907	19.3979	28.6699	9.75572	9.73838	9.268	13.8757	21.8816	10.4824	16.9534	12.8066	20.0732

RIN3	2.54575	1.84544	2.16823	3.39855	4.10719	6.85769	3.73237	2.18017	1.74751	2.46898	3.99071	3.00556	4.64007	2.70941	5.42583
RING1	0.9765	1.06075	1.10159	1.72903	2.04774	2.18641	0.922356	0.733712	1.219	1.10862	0.989607	1.07983	1.79559	1.28286	1.01354
RINL	0.461349	0.404485	0.256526	0.826162	1.49201	0.882262	0.431764	0.470501	1.60271	0.844828	1.52826	0.61151	0.834423	0.636401	0.499631
RINT1	3.88753	3.36178	3.62704	3.38674	1.20115	3.56323	2.59688	3.51118	4.2504	3.60684	4.77302	3.02944	4.2075	3.2112	3.00256
RIOK1	3.12695	3.10655	3.20491	6.93913	1.93429	6.36186	2.09581	2.36908	4.39241	3.63521	4.93567	3.27362	5.85614	4.83534	2.92756
RIOK2	1.69472	1.17125	1.40199	1.96031	0.483517	2.04044	0.676959	1.31731	1.5886	2.15185	3.22387	1.11009	2.26973	1.49516	1.35528
RIOK3	12.9427	12.6822	11.6326	15.852	6.86199	14.2443	9.53192	11.8847	17.3328	19.2988	20.297	13.9281	21.2404	11.7953	6.28061
RIOX1	2.50474	2.14245	2.04106	3.08391	2.63753	3.84215	1.96011	1.63407	1.38243	2.64919	2.89108	1.4633	3.93419	2.1622	1.61668
RIOX2	2.66455	2.96358	2.63668	4.96007	1.97901	4.71367	1.97449	2.80603	5.19337	3.11795	4.01377	2.71359	3.41779	3.27733	2.23593
RIPK1	5.62675	5.19813	5.40368	7.5482	4.58296	8.82816	4.877	4.3962	6.07213	6.23926	5.57311	4.32366	10.01	5.05044	6.41541
RIPK2	2.14868	1.89799	2.41449	1.72529	1.27943	2.08114	1.87063	1.58335	12.2665	5.80938	8.44914	3.17737	4.80012	2.85427	2.14718
RIPK3	2.01192	1.97938	2.20259	4.68053	3.78018	4.45206	1.99452	1.5846	2.27422	4.55134	4.1072	3.46533	4.92803	3.35603	4.65413
RIPK4	5.53473	6.98645	4.93967	11.7708	16.7769	10.3467	4.74977	4.44605	13.838	9.54227	5.4046	12.6719	10.7939	5.5261	1.77684
RIPOR1	4.62347	3.91766	4.10687	5.72286	7.74347	15.1267	5.80978	4.19156	2.07618	5.71213	8.35094	3.26754	11.0323	7.14132	10.2603
RIPOR2	1.25142	0.457552	0.538247	1.34669	0.451569	1.81053	0.790286	0.814438	0.0573221	1.2614	1.88777	0.0752793	1.5916	0.674308	2.20674
RIPOR3	1.94983	1.02135	0.67568	2.35479	7.37024	7.6379	1.14278	1.14125	5.5141	1.11992	1.68414	1.95255	1.80326	3.53593	5.64786
RIPPLY1	0.0390271	0.0752153	0	0	0	0.0166155	0.0445598	0	0	0.0314152	0	0.0139625	0	0.0101986	0.0427384
RIPPLY2	0	0	0.0234627	0	0	0.048299	0	0	0	0	0	0	0.0182987	0.103761	0
RIPPLY3	0.00998406	0.00481047	0.00825952	0	0.0620348	0.119018	0	0	0	0.012531	0.0901661	0.00714386	0.0773	0.0417449	0
RIT1	3.68986	2.91178	2.88201	4.74802	2.30297	5.10622	2.21655	3.2615	4.48572	8.41956	9.99689	3.86277	7.07331	5.03487	3.43725
RIT2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RITA1	3.29166	2.56362	2.06097	3.93816	4.55273	6.58468	3.4494	1.76322	4.61294	2.81555	5.38293	2.83116	4.46573	3.1049	2.00745
RLBP1	0.105676	0.082739	0.0546392	0.0136128	0.0615568	0.0562386	0.165904	0.0821766	0.0321754	0.0497379	0	0	0	0	0.0948526
RLF	4.99149	4.66187	5.3822	4.72031	1.24815	3.63221	2.87493	4.71245	5.19969	4.84735	4.64409	3.07079	4.34575	4.71243	2.97266
RLIM	4.81405	3.93516	4.21322	4.88256	1.22773	4.02679	2.84647	5.06603	2.96734	3.92431	4.53982	2.83549	5.12618	3.91919	4.30269
RLN1	0	0.0111062	0.0190693	0.0237546	0	0.039255	0.0263187	0.0204857	0	0	0	0.0164935	0	0	0

RNA45SN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNA45SN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNA45SN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNA45SN4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNA45SN5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNA5-8SN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNA5-8SN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNA5-8SN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNA5-8SN4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNA5-8SN5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNASE1	35.3828	10.5875	13.0663	36.4869	40.6559	135.237	66.1404	30.3847	4.53295	45.1878	147.298	5.54826	17.9027	15.3127	43.9263
RNASE10	0	0	0	0	0	0.151352	0	0	0	0.0446189	0.080263	0	0	0.03716	0
RNASE11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNASE12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNASE13	0.0288028	0.111021	0.142966	0.148411	0.156592	0.0367878	0.0164431	0.0383963	0.175393	0.0180752	0.0487722	0.226701	0	0.127956	0
RNASE2	0.22041	0.682694	0.885645	1.10325	0.244552	1.07043	0.251657	0.671596	0.230087	0.981294	3.3371	0.270359	0.345361	0.0822828	0.361756
RNASE3	0.129291	0.420486	0.347615	0.166547	0.200833	0.137612	0.036905	0.315983	0	0.0405683	0.21893	0	0.0208544	0	0
RNASE4	5.29388	4.03456	5.2448	1.10357	2.32422	6.57803	5.10642	3.78179	3.71527	2.99711	6.65919	1.59955	1.71775	1.77231	3.58264
RNASE6	1.37419	0.809238	0.902241	2.45015	0.813176	6.35198	0.946382	1.86097	0.371912	2.92933	7.3132	0.218504	2.5332	1.00321	2.75664
RNASE7	3.66148	8.90268	10.6591	59.9105	21.5263	10.6554	21.8906	7.05725	117.183	31.0635	34.3575	29.4931	65.5383	13.0726	1.70841
RNASE8	0.146013	0.0879391	0.0905942	0.0376176	0.0567021	0.0932461	0.208391	0.032441	0	0	0	0.026119	0.0471034	0	0
RNASE9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNASEH1	3.04879	2.16931	2.56294	3.03078	1.78908	4.5522	2.64417	2.77519	2.12657	2.28818	3.03494	1.6306	3.74933	2.61225	2.48112
RNASEH1-AS1	0.455107	0.438555	0.599606	0.83378	0.733122	0.932913	0.4234	0.464382	0.287399	0.719297	2.05504	0.361824	0.674268	0.607862	0.508349
RNASEH2A	1.66176	1.97236	2.17944	8.75042	3.84045	10.1809	2.66091	1.38678	1.97448	3.15395	6.72586	2.39257	4.74627	4.27899	2.32829
RNASEH2B	3.17439	2.2477	2.66157	3.41498	1.24939	3.31477	1.89792	2.50662	0.953453	2.3959	5.13312	0.859435	2.19341	1.41246	2.66445

RNASEH2B-AS1	0.185441	0.0893484	0.214774	0.114661	0.288054	0.0631603	0.169385	0.230726	0.0451693	0.0465495	0.083736	0.0265376	0.143575	0.0581518	0
RNASEH2C	2.37528	2.33984	2.00557	3.77323	7.14914	3.78655	2.72976	1.95493	4.30484	3.77942	8.67541	1.98049	1.78114	2.93685	3.83226
RNASEK	16.8834	15.6282	18.1053	28.5452	26.1958	48.29	26.6183	14.0072	43.909	29.925	57.5103	26.3242	37.8256	23.1719	17.9526
RNASEK-C17orf49	1.1916	1.77966	0.682074	0.396271	3.12733	1.40516	1.94866	0.893743	0.88524	0.461467	0.576839	0.935662	0.712992	1.38673	0.52018
RNASEL	0.949515	1.28571	1.20083	2.10322	1.11043	2.51843	0.878515	0.892347	0.259194	1.17804	1.43534	0.620834	0.982308	0.904102	1.68494
RNASET2	8.23893	4.62084	5.11569	8.43321	8.59904	17.0733	5.55961	4.4097	1.42056	4.92636	14.1914	1.27177	5.51879	2.64167	6.3282
RND1	0.152897	0.0736681	0.0574942	2.95076	0.237502	0.319557	0.0158703	0.0494117	0.761774	0.523368	0.721789	0.606683	1.08513	0.225203	0.359312
RND2	0.284272	0.306258	0.359671	0.124334	0.45023	0.351215	0.560315	0.183286	0.312269	0.0419753	0.195061	0.0837704	0.0143851	0.0582638	0.160098
RND3	8.76421	9.08901	9.41248	29.2199	5.04594	26.0592	6.64598	7.10744	47.0831	35.6804	40.8681	25.2957	59.7588	27.173	13.3799
RNF10	11.8112	12.1905	11.8138	22.6895	23.7548	26.6047	14.5461	10.1026	34.0315	23.9844	21.2825	21.0326	36.8969	17.9748	13.9245
RNF103	4.51982	3.64369	4.61863	3.54178	3.89691	4.72315	3.26635	3.88646	6.44823	4.24369	4.51753	2.5526	4.57283	2.59109	3.70048
RNF103-CHMP3	0.628971	0.484526	1.18028	0.739977	1.30505	0.373475	1.01074	0.463804	0.687758	0.692928	0.55179	0.332992	0.128406	0.346399	0.361247
RNF11	10.7434	10.5703	10.4696	19.1402	17.9629	15.7956	10.6762	13.4084	39.867	29.491	36.2053	21.871	43.0029	17.38	12.0014
RNF111	3.20786	3.09119	3.38721	3.3968	1.54288	3.68999	3.09981	3.14841	3.20789	3.31978	3.77079	2.72964	3.75016	3.32431	2.86347
RNF112	0.466016	0.231442	0.231313	0.0812718	0.690473	0.555529	0.384736	0.19752	0.043658	0.125978	0.194243	0.0872091	0.138771	0.374708	0.185333
RNF113A	2.89065	2.2181	2.92276	3.36505	3.43693	4.66441	2.79112	1.93466	5.80229	2.17236	3.90776	1.94066	2.9357	2.061	1.81941
RNF113B	0.520635	0.0890112	0.180619	0.173074	0.573934	0.286009	0.517741	0.358217	0.040908	0.105395	0	0.0841192	0	0.473992	0.482385
RNF114	7.48608	6.16519	7.17862	8.83604	4.15302	13.8349	6.49085	5.41078	3.85025	6.07548	8.81091	4.14155	8.91549	6.73665	7.09994
RNF115	6.38511	3.54534	4.21202	4.36631	2.50722	6.2655	4.71567	4.68309	2.52948	4.14105	8.3334	2.87031	4.83943	3.48601	4.41447
RNF121	2.44539	2.63988	2.63478	2.70191	2.8587	3.50616	2.9264	1.71023	2.14923	2.14108	3.53844	1.93013	2.68383	2.17843	2.79986
RNF122	1.70606	1.10196	1.14546	3.09586	1.76673	4.67386	1.11511	1.46127	4.47176	5.46181	5.28932	4.08679	3.84461	3.61187	4.84697
RNF123	2.42968	2.89972	2.96036	3.86579	7.04294	5.51406	3.47637	2.08703	4.56861	3.45781	2.55921	3.7098	4.37817	3.91854	3.89813
RNF125	2.77497	1.31619	1.82091	1.05314	0.647182	1.51945	1.40467	2.38232	0.162757	0.508124	1.16696	0.286866	0.887589	0.530003	1.28136
RNF126	11.8941	11.5156	11.5105	20.0915	21.8745	24.3638	13.1159	9.77273	24.3592	14.6995	23.2914	16.5595	29.0581	16.0834	7.39257
RNF126P1	0	0.0253809	0.0145262	0	0	0	0.0601456	0	0	0	0	0	0	0	0
RNF128	1.08557	1.30108	0.965417	0.727164	1.30686	1.13233	1.12327	0.844171	2.37979	0.58758	0.819537	0.645679	0.306428	0.141842	0.0974387

RNF13	9.54042	7.60014	8.27879	8.69302	1.8857	8.1169	6.19284	7.76642	7.67662	6.81738	11.7801	4.52132	8.23914	5.38081	6.31426
RNF130	8.80523	3.95667	4.99155	6.98729	4.51152	14.3679	6.34032	4.98965	1.58178	7.9067	18.1827	1.89523	8.40615	5.33429	10.5011
RNF133	0.352839	0.247278	0.0796073	0.0991667	0.0498256	0.0955939	0.238054	0.156787	0	0.120777	0.217261	0.137709	0	0.15088	0.299427
RNF135	6.79697	6.70045	6.23524	8.60515	10.9953	10.5632	6.36794	4.59527	12.8486	7.68041	10.9092	7.49648	7.42553	4.93629	5.49447
RNF138	2.57074	1.91119	2.15284	2.50603	1.00077	3.1194	1.70198	2.96389	1.92315	1.79958	3.05894	1.40105	4.53166	2.10286	2.34033
RNF138P1	1.87142	0.923192	0.856362	0.522925	0.870195	0.687861	1.17265	1.23745	0.158207	0.356654	0.109983	0.679691	0.0890511	0.931408	2.56516
RNF139	5.49941	3.68817	4.28318	4.01372	1.40019	3.71759	3.60599	5.21117	6.59214	5.05225	5.43495	2.74991	5.99251	3.82356	3.59844
RNF139-AS1	0.318063	0.484645	0.411131	0.192567	0.104988	0.108331	0.349536	0.364773	0.0484206	0.154691	0.107716	0.176376	0.00256516	0.236883	0.199841
RNF14	3.57687	2.94468	3.01738	4.18415	1.9996	4.12154	2.18352	3.29433	2.10221	3.28188	3.94128	1.86646	3.65991	2.97878	3.42777
RNF141	9.33882	11.3718	11.8793	11.773	3.9611	9.50559	7.14302	10.5255	14.569	14.5377	17.4512	10.4612	15.8349	10.0994	7.12091
RNF144A	2.09238	1.54981	1.45054	1.89992	2.17817	3.82073	1.78759	1.71867	1.78499	4.27897	6.81902	1.97353	2.97849	2.38598	5.16929
RNF144A-AS1	0.439322	0.508762	0.432397	0.640011	0.750595	0.436584	0.350037	0.344466	0.252086	0.395869	0.512141	0.698295	0.171703	0.546084	0.996557
RNF144B	7.67912	7.52383	8.69458	9.83156	4.41869	6.51519	5.85567	12.0196	4.7629	9.24587	4.27991	9.10179	8.5837	6.14146	5.12141
RNF145	8.06671	9.87576	8.9866	21.8146	7.02811	17.672	5.69905	6.23418	24.8583	19.0906	22.2414	16.6552	18.2256	14.2558	9.75051
RNF146	4.14633	3.15577	3.45648	2.87868	1.92849	5.54317	2.28984	3.3525	4.98192	3.65584	5.27363	2.04431	2.94734	2.74938	3.26878
RNF148	0.4977	0.308314	0.102933	0.23813	0	0.302704	0.324719	0.284345	0	0.111547	0.0601973	0.0890294	0.0458734	0.17651	0.485016
RNF149	10.8689	12.4772	11.1932	22.3945	21.2626	17.2235	12.1376	10.2621	20.354	19.2957	28.9055	18.196	20.1765	15.4047	12.2642
RNF150	1.7428	0.480859	0.501128	0.11257	0.393351	0.782152	0.759668	0.520699	0.163272	0.105942	0.235416	0.135005	0.0480534	0.0570913	0.762988
RNF151	0	0.0114015	0.0195762	0.0243861	0.0367578	0	0	0	0	0.0297003	0	0	0.0152677	0	0
RNF152	9.68033	5.01008	5.21862	3.19756	6.95083	7.16185	6.70481	6.3469	4.05998	3.44379	4.97907	2.21099	3.69779	3.17634	5.28467
RNF157	0.31124	0.0707598	0.220014	0.276185	0.389394	0.962546	0.172108	0.207418	0.0691248	0.255266	0.459187	0.0644552	0.186151	0.342501	0.154792
RNF157-AS1	0.0339798	0.0256102	0.00879447	0.0566335	0.0165132	0	0.0258574	0.0295159	0	0	0.0120007	0	0.054871	0	0.0185007
RNF165	0.54899	0.574955	0.568384	0.203264	0.148086	0.26312	0.394108	0.604758	0.0120109	0.0123779	0.0111331	0.00940879	0.0127259	0.0360805	0.0849793
RNF166	1.6732	1.38201	1.81498	2.03219	3.32838	4.47037	1.70572	1.50217	0.363887	1.35002	3.61384	0.922345	2.29677	1.36081	2.4397
RNF167	11.1282	13.4379	13.5938	17.6949	21.4806	20.118	19.1691	10.3747	36.3809	19.6023	29.7906	23.2104	21.2949	14.3864	9.7946
RNF168	6.21883	6.75217	7.20825	6.13645	7.58134	7.22013	3.52056	5.49214	14.3882	4.81035	4.46834	5.70781	6.75339	7.77023	4.38466

RNF169	5.26406	4.78682	5.33043	7.19093	2.35659	4.72911	4.16257	4.47906	3.88537	4.60755	4.26841	3.25615	6.35979	4.07236	4.87335
RNF17	0.00453163	0	0	0	0	0	0.00517407	0	0	0	0	0.00648501	0.0292379	0	0
RNF170	1.97754	2.56201	2.74475	1.85251	1.23166	1.96317	1.6363	2.25271	3.64215	2.193	2.61304	1.53429	1.77961	1.40189	1.29652
RNF175	0.221253	0.0852824	0.183036	0.30401	0.0229121	0.263752	0.168413	0.0917612	0.0179641	0.111078	0.233116	0.0105542	0.152268	0.0154182	0.190648
RNF180	0.788483	0.631461	0.846213	0.298669	0.208545	0.722191	0.669116	0.810584	0.163508	0.304912	0.358445	0.144857	0.274987	0.247258	0.710021
RNF181	11.7978	9.46873	9.41234	20.9184	14.0081	29.3388	10.7025	6.52074	16.4941	20.0407	40.3925	9.32049	14.9109	12.4334	8.95896
RNF182	0.115807	0.0381772	0.0504229	0.0879363	0.08521	0.134937	0.0974284	0.0487513	0.0519619	0.0611997	0.192657	0.0261672	0.0471902	0.162464	0.253846
RNF183	0.0573795	0.0368617	0	0	0	0	0.021838	0.016998	0.0232939	0	0	0.0136855	0	0	0
RNF185	6.39646	7.95324	6.9821	11.1053	11.3937	11.4823	9.33237	5.77337	29.7261	12.6565	16.2826	9.8632	14.0296	9.25342	5.49638
RNF186	0.0925722	0.00892054	0.0765823	0	0	0.457179	0	0	0	0	0	0	0	0	0
RNF187	11.1985	12.9694	12.9613	23.3319	31.7381	28.9017	15.1476	8.79687	28.3026	18.2181	21.7811	16.1208	25.679	15.3656	7.74419
RNF19A	7.70492	7.66156	8.70403	5.14995	3.84584	6.57566	4.87584	7.85886	14.3195	6.83197	7.05268	6.41781	5.95019	6.11205	5.73441
RNF19B	7.19576	6.37188	6.69431	17.2011	10.1923	13.2046	4.99132	4.59144	13.1197	13.9768	12.4185	9.1116	25.4985	10.6459	7.73529
RNF2	1.9943	1.63602	1.82236	2.391	0.404947	2.55828	1.31711	1.98089	2.30184	3.13291	4.65714	1.63683	2.87198	2.3435	1.99362
RNF20	5.75934	5.36319	4.53141	5.74157	6.23775	8.26332	3.63313	4.33057	9.28081	3.65481	3.9036	4.13357	3.93938	3.70968	3.88685
RNF207	0.583722	0.698633	0.665167	0.35011	0.58844	0.308623	0.335602	0.396575	0.100235	0.147085	0.159507	0.194315	0.0456792	0.162756	0.531282
RNF208	1.39675	2.01892	2.02655	1.55011	4.13899	3.11051	2.84604	1.26041	6.88284	1.72609	4.05105	3.521	2.73125	1.95416	0.617202
RNF212	0.239127	0.327644	0.389464	0.231026	0.185724	0.178162	0.230367	0.146105	0.154716	0.0750324	0.151844	0.12298	0.0771419	0.144506	0.268295
RNF212B	0.213104	0.191663	0.235059	0.204969	0	0.157261	0.178431	0.3409	0.0173024	0.0178311	0.0481135	0.0406617	0.0916622	0.0816766	0.0816117
RNF213	7.00588	7.664	8.09868	11.9514	11.6483	15.7413	8.11937	6.40637	2.9161	4.35368	3.45923	5.18935	6.82444	5.82899	12.3438
RNF214	3.01183	3.96275	3.40882	3.21462	3.36742	5.84771	3.02312	2.61047	2.94252	2.21201	3.10107	2.3741	2.70129	3.04876	2.63799
RNF215	1.08483	1.04538	0.947307	1.88809	3.53874	3.42802	0.977137	0.546327	0.675281	1.49773	2.53092	0.689978	0.902128	1.46155	1.92148
RNF216	5.70277	5.01105	5.58049	4.92494	5.49992	7.8884	5.36478	4.3529	3.60952	3.37542	3.8649	3.61566	4.47355	4.16486	5.87067
RNF216-IT1	0.137347	0.16544	0.0568118	0.0707703	0	0.292374	0.156819	0.183095	0	0	0	0.245689	0	0.107676	0
RNF216P1	2.49049	2.75832	2.32316	2.23748	2.39661	3.55373	2.2434	1.81065	1.51755	2.48865	2.37149	1.76285	3.44317	2.68626	2.97756
RNF217	1.90342	2.7021	2.77162	2.60102	2.3732	2.09158	1.41687	2.88362	5.65467	3.8408	3.68023	5.0644	3.15703	2.54726	2.22839

RNF217-AS1	0.196909	0.262652	0.225182	0.165625	0.0791069	0.143441	0.105727	0.174097	0.087516	0.234721	0.113858	0.24068	0.0443873	0.151406	0.220686
RNF219	1.96461	1.41737	1.64099	2.25091	0.549308	2.34755	0.928931	1.87203	0.797556	2.22319	2.09951	0.86218	2.35342	1.71091	1.34487
RNF219-AS1	2.53E-09	0.0866512	0.0403461	0.0242891	2.97E-08	7.54E-11	0.0301923	0.045425	1.60E-08	0.0302132	2.44E-13	3.81E-12	3.67E-11	0.130653	4.97E-06
RNF220	4.86843	3.9747	4.19553	6.24598	7.58275	7.92248	4.85536	3.36581	3.82244	3.83234	4.75614	2.77085	5.97783	3.02388	3.37822
RNF222	1.07941	1.21108	1.41927	5.88072	3.95136	1.87676	0.835984	1.07333	14.7547	9.01913	4.91666	7.42098	13.9383	5.55465	1.51764
RNF223	0.433159	0.566478	0.972636	3.74111	4.35747	1.51044	1.64856	0.586599	9.34497	5.79903	8.6154	8.60443	12.7093	3.26645	1.06641
RNF224	0.215571	0.341271	0.331194	0.587116	1.29159	0.314667	0.562587	0.287372	0.731364	0.425171	0.0695293	2.1264	0.109281	0.265571	0.39804
RNF225	2.26755	4.68554	5.68565	7.87759	13.9439	2.54785	5.97876	1.86978	31.3458	5.25192	9.18355	11.8091	7.55639	3.38432	2.01432
RNF227	5.28362	10.3608	12.5649	2.43013	10.7924	5.04608	14.2571	7.3451	39.7758	1.73639	4.64917	3.76264	0.861647	1.02171	0.67759
RNF24	3.34632	2.49253	3.43723	2.07484	1.97212	6.66805	3.94013	3.27637	1.88355	3.40305	5.94438	1.26034	2.69802	2.78607	6.20334
RNF25	3.15789	2.50729	2.57564	3.97238	4.675	5.85752	2.87769	2.09497	7.45719	4.44728	7.113	3.23552	4.15144	3.27766	2.61888
RNF26	4.52173	3.79083	3.95154	8.32829	6.52576	10.3395	6.11084	3.47786	4.81609	4.41637	8.46414	3.46484	8.04141	5.07455	3.82543
RNF31	5.25203	5.9249	5.77037	6.77684	11.9667	12.1536	5.36004	4.61688	4.53686	3.68154	3.48293	4.33822	5.41602	5.02622	5.1133
RNF32	0.979116	0.793482	0.948883	0.279268	0.483269	0.206019	0.716303	0.866985	0.261059	0.449199	0.201209	0.294507	0.246122	0.458527	0.403278
RNF34	3.70776	4.21285	4.03787	6.35305	3.95423	7.85976	3.29826	3.39351	3.53163	5.51486	6.89688	3.41326	6.42689	5.55898	4.08501
RNF38	5.25716	3.92676	4.29742	3.16995	1.53883	5.00444	4.15369	4.31328	2.67662	3.10844	3.75439	2.17715	3.95045	2.74107	3.26983
RNF39	0.385384	0.743385	0.847239	0.959203	1.2532	1.01737	1.03533	0.479971	4.77636	1.33896	2.98968	3.25755	2.61132	2.86666	0.365782
RNF4	6.94163	6.11261	6.87866	9.47108	7.22117	11.993	6.90453	6.12437	6.84309	7.5265	10.7232	5.71961	11.4	7.57553	7.48131
RNF40	4.82022	5.42643	5.76494	8.22746	10.6547	10.897	5.77601	3.84731	6.11761	4.76876	3.54799	5.14085	8.64869	5.93539	5.16187
RNF41	2.62061	2.59401	2.61636	2.93736	2.02772	4.05618	2.94119	2.02894	3.76558	3.13568	4.70646	1.86221	3.64144	2.90703	3.00728
RNF43	1.30905	3.00994	3.10239	1.65438	2.68534	1.48886	2.09341	1.84809	2.25821	1.04866	0.935981	1.0785	1.37555	1.10131	0.495643
RNF44	5.80109	8.76105	8.49172	8.27528	16.0053	12.4414	8.62136	6.29459	9.23007	5.08478	6.12093	8.50103	6.87804	4.70076	4.42564
RNF5	0.0470358	0.114187	0.0910489	0.108829	0.130277	0.163465	0.0492493	0.159037	0.16908	0.0488317	0.0776927	0.0672476	0.0841	0.0388018	0.0337393
RNF5P1	1.13348	1.10773	1.25037	1.44724	1.37019	2.00036	1.18682	0.818405	1.35544	1.17679	1.87216	0.804934	1.29028	0.935018	0.833423
RNF6	4.59616	4.47595	4.44715	5.12695	1.73229	6.19531	2.23136	3.56987	7.64809	6.73349	6.72232	4.39652	11.2152	5.82284	4.36156
RNF7	7.72455	5.50392	5.78168	9.7715	4.3488	9.68329	5.90312	5.19414	6.53307	9.2591	19.8741	4.71562	8.00321	6.686	4.87173

RNF8	1.4361	1.2556	1.16802	2.1243	1.61667	2.35635	0.939601	1.06477	1.91606	2.00498	1.8762	1.72609	2.26697	1.85111	1.18184
RNFT1	1.45233	1.78548	1.73546	2.6412	1.69403	2.01985	1.52101	1.5682	2.67925	2.82897	4.2365	2.24225	2.44761	2.46988	1.74755
RNFT1-DT	0.475473	0.42122	0.488673	0.194965	0.0587278	0.193123	0.435536	0.868161	0.176341	0.180405	0.200601	0.133492	0.106585	0.25779	0.542626
RNFT2	0.191661	0.053868	0.0990971	0.0905264	0.111643	0.224395	0.109416	0.184527	0.0194518	0.0200462	0.162271	0.0685692	0.0875915	0.0333901	0.080281
RNGTT	2.04823	1.79159	1.76965	3.47683	1.5462	2.44083	1.60096	2.00743	1.63192	1.98211	2.69576	1.7395	2.48864	2.36857	1.91748
RNH1	24.128	29.2784	30.006	48.7035	91.5742	57.685	38.7923	20.3999	86.6213	91.1529	77.9021	78.8475	107.187	44.6031	24.3592
RNLS	0.845674	0.796255	0.704942	0.765049	0.381051	0.758557	0.655993	0.849096	0.518899	0.615778	1.19515	0.434195	0.512304	0.438612	0.574799
RNMT	4.5405	3.72046	4.12998	3.97687	2.0595	4.74914	3.41242	4.46632	3.78877	4.1416	4.13058	3.08188	4.27959	3.55957	3.19652
RNPC3	8.44691	7.61913	8.87704	2.97329	2.3839	3.0526	5.22873	7.58329	2.24289	2.65043	2.32844	2.04687	2.24967	2.71428	3.01507
RNPEP	8.17509	8.4584	8.22716	16.3368	16.1286	19.1751	10.0269	6.51636	10.8595	12.6511	17.9721	12.6638	13.7193	10.5671	7.02009
RNPEPL1	7.24658	7.69611	8.2279	14.4378	18.5225	20.6071	10.2439	5.30206	8.06905	10.9046	14.3267	10.0959	19.6716	9.98746	9.54802
RNPS1	12.2616	10.3195	11.2298	20.0946	13.1247	29.788	12.7893	8.87781	11.5714	11.5554	20.8531	11.8203	22.5553	14.625	10.0435
RNR1	4.00273	245.046	6.2213	1.89997	36.5521	34.186	13.1566	5.15268	1.86132	0.456712	104.831	23.6762	36.7816	20.4129	20.3111
RNR2	2.59951	176.8	4.23955	1.54609	36.7567	13.1795	9.32811	5.18811	1.21209	0.298299	68.9529	18.0581	31.6366	13.1126	18.6448
RNU11	2.97E-28	2.89E-26	5.00E-30	0	0.119559	0.0759801	2.58E-11	0.41042	2.39E-37	0	3.03E-33	5.19E-19	2.00E-06	7.95E-16	0
RNU12	4.65967	1.87092	1.15644	2.40096	1.93016	2.90961	4.6109	5.1074	0.756661	7.01804	7.01359	2.00047	4.00853	0.892962	2.00756
RNU4ATAC	0.356047	0.343098	0.883641	0.550375	0	0	0.203261	0.158212	0	0.223438	0	0.127381	0.22972	0	0.511328
RNU5D-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNU5E-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNU5F-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNU6-2	0	0.00952235	0.0490493	0	0	0	0	0	0	0	0.0223105	0	0	0	0
RNU6ATAC	1.29601	0.446027	0.306329	0	0	0.157648	0.845568	1.15179	0.225485	0	0.627015	0.264952	0.477817	0.290294	0
RNU6ATAC35P	0.0516298	0.068409	0.0533897	0.0133015	0.0200497	0.0329716	0	0.0114711	0	0.0162002	0	0.0277069	0	0	0
RNVU1-19	0.276335	0.232999	0.400057	0	0.107311	0	0.709898	0.184188	1.00963	1.2139	1.1698	0.593175	0.624015	0	0
RNVU1-20	0	0	0.117457	0	0	0	0.16211	0.126182	0.172918	0.178202	0.48084	0	0	0.148412	0.203904
RNVU1-8	0	0.316331	0.271568	0.338292	0.254959	0	0	0.14587	0.399796	0.412013	1.29702	0.234886	0.211798	0.343137	0.471438

RNY4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RNY5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROBO1	11.0809	14.6503	9.61512	9.47826	13.5953	9.18597	6.00653	9.0879	19.4989	7.40787	9.20546	13.6087	7.8751	6.50635	8.47627
ROBO2	0.656542	0.720393	0.415838	0.330363	0.729022	0.486973	0.524146	0.66097	0.771482	0.312229	0.312674	0.829442	0.243237	0.348498	0.261501
ROBO3	0.498028	0.276686	0.218614	0.623211	1.07358	0.938999	0.481597	0.167106	0.148541	0.42097	0.676948	0.214539	0.550843	0.905707	1.08744
ROBO4	5.13283	2.31324	2.49485	6.27791	7.16737	9.50137	4.72425	2.33175	2.04212	3.90625	7.48291	2.12334	6.43273	5.57332	7.02498
ROCK1	7.83927	5.25318	5.37389	6.26885	4.68831	9.62338	3.28652	3.86972	3.62496	7.96745	7.09485	4.25865	10.6238	7.60124	9.22677
ROCK1P1	0.0105029	0.0365893	4.34E-44	0.0928401	0	0.0277118	0.0123039	0.0518669	0	0.100086	0.0385115	0.0155721	2.15E-36	0.00586454	0.0330491
ROCK2	6.62324	4.28543	4.5569	5.05976	2.61898	8.37496	2.36397	3.3092	3.19041	7.47872	6.68964	3.06905	8.90603	6.17533	9.41731
ROCR	1.72138	0.368617	1.00211	0	0	0.217146	0	0.793241	0	0	0	0	0	0	0
ROGDI	1.47552	1.46669	1.12168	2.00002	5.28604	2.68255	1.24455	1.01598	2.93027	2.55266	5.35718	2.8154	2.17844	1.40339	1.71813
ROM1	0.357374	0.540315	0.703431	0.533377	1.28253	1.75234	0.576881	0.262845	0.570316	0.510409	1.02944	0.246893	0.44525	0.405762	0.371652
ROMO1	19.5787	11.8279	12.21	39.7838	32.2841	54.1595	18.1128	6.69228	38.2126	46.6263	84.6107	26.2581	28.6975	26.5788	15.0681
ROPN1	0.10783	0.0545745	0.0230257	0.066928	0.022084	0.176598	0.0172875	0.177063	9.36E-24	0.00950177	0	0.0054169	0	0	0
ROPN1B	0.67612	0.441495	0.56932	0.031184	0.334755	0.826751	0.607727	0.561643	0.0777892	0	0	0	0	0	0
ROPN1L	0.085874	0	0.0532808	0.0663718	0.033348	0.475284	0.024512	0.0381588	0.0261462	0.0538904	0.508941	0.0153613	0.0554055	0.0673223	0.0924945
ROPN1L-AS1	0.0288207	0.138863	0.143055	0.0297006	0.0447686	0	0.131626	0.0256135	0.0351004	0.144692	0	0.041244	0	0	0.0827804
ROR1	2.07735	1.58956	1.21171	0.631345	0.83679	1.50201	1.36281	0.898053	0.45025	0.366787	0.616077	0.337588	0.170376	0.237385	0.7787
ROR1-AS1	0.274715	0.297007	0.304866	0.0690492	0.0624479	0.256737	0.114754	0.232234	0.0163206	0.0168193	0.060511	0.110269	0	0.0315171	0.230942
ROR2	0.535642	0.391112	0.60301	0.722715	1.60403	2.25695	0.933131	0.579093	0.0941539	1.25447	2.69921	0.323998	2.53673	1.83555	5.45612
RORA	11.2036	19.9006	26.0803	4.315	2.82981	5.24968	25.1586	18.8802	40.3294	11.4981	15.4058	14.312	6.42188	5.78607	5.15467
RORA-AS1	2.05053	3.78126	4.7035	0.63394	1.57811	0.499991	5.58703	3.09798	0.896764	0.304156	0.515568	2.97444	0.114258	1.11067	0.883447
RORA-AS2	0.0225786	0.0652722	0.13075	0	0	0.0384507	0.0257795	0.0601979	0	0	0	0	0	0.0354017	0.194554
RORB	0.141029	0.0368541	0.031639	0.0738987	0.0594078	0.18725	0.0382086	0.0509836	0.0116445	0	0.00269837	0.0136827	0.0370133	0.026235	0.0205968
RORB-AS1	0	0	0	0	0	0.215235	0.128272	0	0	0	0	0.0401929	0	0	0
RORC	2.35463	3.02879	3.56226	2.03323	1.78963	2.79587	3.74902	1.97101	4.04281	0.478994	1.23556	0.649189	0.288043	0.444082	0.206822

ROS1	0.0628204	0	0.00259847	0.0615014	0.00487909	0	0	0.00837444	0.00382541	0.0433654	0.106375	0.00449497	0.0344517	0.00656654	0.00902181
RP1	0.456342	0.0958016	0.0404484	0.00671819	0.0151898	0.0138775	0.0558253	0.130358	0.0158792	0.0122733	0.0147187	0.0209909	0.0210307	0.0477008	0.0421306
RP1L1	0.176975	0.164947	0.129605	0.107633	0.234343	0.377964	0.188814	0.152124	0.123668	0.0145653	0.0524019	0.103795	0.0411808	0.0424566	0.0916635
RP2	1.34785	1.30174	1.43004	2.4977	0.732315	2.07405	1.17317	1.2462	1.89916	3.99025	4.93992	1.7126	4.5509	2.49556	2.40441
RP9	2.68724	1.88656	1.8429	1.93888	1.43834	2.75593	1.17303	1.52771	2.02053	2.20927	2.61499	1.06709	1.11847	1.46259	0.973063
RP9P	1.42663	1.73244	1.62659	1.1759	1.77912	2.33016	1.24848	0.853297	1.79743	1.51873	1.93164	0.66171	1.3597	1.36688	1.59416
RPA1	8.03991	7.76024	6.89704	12.2007	6.79246	17.3928	7.74976	5.86237	12.9196	8.72544	9.06996	7.36658	11.3848	6.49854	5.33486
RPA2	6.20911	5.96067	6.93634	7.98622	3.1967	10.4238	5.63927	5.31959	3.07922	5.00351	8.5625	4.29131	6.00157	3.89663	2.66837
RPA3	1.06634	0.818657	0.745001	2.98271	0.34584	1.87186	0.86965	0.926845	1.37004	1.98548	4.36529	1.05866	1.75547	1.35348	1.36311
RPA4	0.29978	0.498314	0.334799	0.339826	0.349247	0.280785	0.42785	0.346346	0.0547648	0.0752511	0.23689	0.235951	0.11605	0.266353	0.581206
RPAIN	3.17913	3.29517	3.04142	2.66279	2.85565	3.14368	2.53755	2.87328	3.1063	3.38475	4.46262	2.86308	1.69954	2.24192	2.46414
RPAP1	1.83385	2.15297	2.31039	3.55044	3.90818	4.09945	2.95168	1.87138	2.0468	1.31524	1.31688	1.89928	2.47481	2.46717	2.07993
RPAP2	3.26472	2.99907	3.06378	3.22644	0.993453	2.72287	1.7916	2.83532	3.07941	3.0055	3.20694	2.16039	3.41147	2.97725	2.7341
RPAP3	1.9584	1.84182	2.11344	2.51627	0.321758	2.32495	0.938851	1.84645	1.00144	2.22165	2.35251	1.2935	2.51091	2.12584	1.4964
RPARP-AS1	1.21472	1.90231	1.84607	1.37344	1.75325	1.72906	1.25503	1.13182	1.05438	0.874536	1.1211	0.699623	0.410565	0.87405	0.229648
RPE	3.41685	3.86696	4.00472	6.24503	1.43591	4.90396	2.99373	5.09203	3.62883	4.39186	6.20747	3.08549	4.33959	4.65382	3.71276
RPE65	0.0887387	0.0128267	0.0220233	0	0.0137842	0.022668	0.0303957	0.0315454	0.0432295	0.133651	0.220385	0.0317475	0.0171761	0.449874	0
RPEL1	0	0.010658	0	0	0	0	0	0	0.0135534	0	0.0251771	0	0	0.0116468	0
RPF1	4.74579	3.72066	3.98422	6.82279	0.910105	5.03875	2.63571	3.92607	3.82468	5.0446	8.12209	3.21966	5.62493	4.28704	3.24791
RPF2	1.65487	1.81818	1.87204	3.19116	0.827648	3.22385	1.20239	1.25901	1.71771	2.58841	3.92731	1.70439	3.91901	3.13203	1.52138
RPGR	1.54638	0.879651	0.947733	1.15556	0.43388	1.07544	0.503798	0.967763	0.769104	1.38198	1.211	1.13834	2.06595	1.31175	0.860412
RPGRIP1	0.0703793	0.0226065	0.0339632	0.018132	0.0819925	0.0349574	0.033482	0.057335	0.00714284	0.0441666	0.0397247	0.00419652	0.00756806	0.0183916	0
RPGRIP1L	0.410167	0.606821	0.662668	0.509714	0.131174	0.501279	0.33333	0.439571	0.155738	0.405785	0.547462	0.255505	0.231947	0.355604	0.699931
RPH3A	0	0	0	0.0738377	0	0.0266916	0	0	0	0.0112411	0.00505527	0	0.0288928	0	0.0257247
RPH3AL	0.85715	1.31185	0.674335	1.87056	2.11466	1.40246	1.71746	0.784168	0.27633	0.400792	0.664049	0.637365	0.93798	0.478728	1.27925
RPIA	2.85187	2.15231	2.10873	2.73087	3.07744	5.73774	1.52723	1.44669	2.55115	1.77386	4.20232	1.45369	3.18338	2.21598	2.33778

RPL10	213.975	154.522	165.665	324.315	149.201	285.938	193.162	128.403	230.211	249.905	498.878	171.714	193.105	161.332	102.872
RPL10A	407.208	327.371	344.7	613.356	229.595	524.087	306.099	291.322	453.401	401.566	909.564	319.697	287.92	290.462	153.608
RPL10L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RPL11	239.208	187.91	195.591	317.443	93.1809	288.697	155.247	183.392	239.259	277.203	621.494	166.591	169.977	180.608	88.5327
RPL12	526.82	376.741	428.426	685.639	185.737	783.553	338.107	383.274	482.444	436.892	932.328	381.671	352.594	327.588	204.756
RPL13	126.402	117.448	127.364	197.652	195.336	170.826	129.183	84.7012	146.797	102.052	219.987	98.561	92.0716	85.7674	47.2257
RPL13A	192.48	168.549	185.281	253.534	159.876	324.898	173.222	129.497	180.142	179.885	367.977	116.011	141.061	136.127	85.079
RPL13AP17	0.0517163	0.00622943	0.0427834	0	0	0.0110089	0.029524	0.0459612	0	0	0	0	0	0	0.0557034
RPL13AP20	0.0353863	0.0682239	0.263185	0.0364311	0.165769	0.151114	0.121047	0	0	0.0443581	0.159551	0.0759087	0.0458	0.147967	0
RPL13AP3	0	0.00757004	0.0129977	0.0323828	0	0.0133783	0.0358778	0.0698154	0	0.0394391	0	0.033726	0	0.016423	0
RPL13AP5	678.345	565.196	577.685	909.402	940.531	853.745	518.718	430.503	791.572	667.778	1603.04	579.127	374.19	454.14	243.443
RPL13AP6	1.24044	1.24655	1.2021	0.913078	1.54146	0.452665	1.0521	0.850422	0.215816	0.578269	0.360077	1.03972	0.137199	1.4448	1.06886
RPL13P5	0.964294	0.339524	0.398866	0.573307	1.26744	0.978984	1.01631	0.560336	0.451693	0.605144	1.00483	0.769591	0.598228	1.18242	0.31958
RPL14	174.791	118.666	134.724	252.85	61.8712	245.582	100.923	126.277	170.285	177.282	319.575	127.974	158.235	152.725	66.7468
RPL15	64.1888	48.892	53.0236	79.7686	26.9793	70.8655	56.7129	47.1201	61.8901	70.2255	141.737	44.1602	54.9287	46.1035	35.4906
RPL17	215.501	155.063	162.163	306.211	111.872	233.065	99.9959	130.815	208.394	281.953	602.119	167.752	192.298	191.536	103.309
RPL17-C18orf32	1.80415	0.49366	1.8206	1.16456	0.0612305	0.894414	1.26544	2.39346	1.18404	1.54604	1.29096	0.255928	1.43759	1.79576	0.718074
RPL18	250.734	234.713	256.49	388.7	334.234	436.703	306.389	205.428	359.863	211.24	422.975	208.773	193.873	200.752	107.878
RPL18A	510.665	440.792	452.845	957.751	449.552	770.59	565.812	386.8	735.095	549.337	1157.59	467.046	509.661	467.203	188.273
RPL19	321.536	227.246	246.155	434.569	240.945	508.525	248.333	229.201	337.09	287.397	546.608	234.315	251.102	236.129	148.545
RPL19P12	0.102042	0.35399	0.287015	0.126188	0.412115	0.121642	0.489333	0.308333	0.0994202	0.102458	0	0.219041	0	0.213326	0.439634
RPL21	320.488	224.584	231.33	399.253	165.929	361.017	156.584	168.858	354.767	397.2	750.654	244.295	248.667	243.949	116.069
RPL21P28	123.496	77.3176	82.921	138.231	32.5928	107.639	44.8935	110.779	131.6	123.746	221.391	75.6988	71.9294	88.6824	60.4594
RPL21P44	0.95997	1.06256	1.29855	0.868959	0.604526	0.243011	0.829453	1.17595	0.331782	0.732685	0.117155	0.566215	0.150657	0.752583	1.09918
RPL22	68.1971	51.1166	51.8629	85.9157	33.0353	74.5048	32.9634	53.2687	62.4004	61.3816	106.207	48.2726	45.9125	48.0574	32.8538
RPL22L1	3.86668	3.11603	2.53827	14.6341	0.868166	3.92372	2.23998	2.63557	8.27926	11.0519	18.3614	5.88436	12.3633	9.26994	3.29251

RPL23	387.656	304.18	312.401	534.446	144.233	388.382	249.494	286.485	414.529	506.232	1185.66	322.407	310.747	313.667	193.37
RPL23A	256.578	186.412	184.37	354.916	156.694	294.026	150.208	158.371	334.334	259.176	528.034	213.139	161.771	171.67	113.072
RPL23AP32	1.94103	1.11507	1.3896	0.192335	0.753773	0.41319	1.5343	0.762992	0	0.562198	0.0842762	0.400632	0.0240835	1.24857	3.0556
RPL23AP53	1.92912	1.94215	2.409	1.62088	0.977479	2.46148	1.70286	2.15004	2.11894	1.6882	2.19287	1.51561	1.63579	1.64778	1.51278
RPL23AP64	4.09482	3.66404	4.50662	1.39405	3.4075	1.49429	4.67533	3.47667	1.20223	2.34027	0.165091	3.76708	0.542545	3.05733	2.88783
RPL23AP7	1.52526	1.15514	1.53999	0.915677	0.683949	1.98121	2.03478	1.27116	0.484033	1.39209	2.74982	0.543034	1.35719	1.13929	1.46279
RPL23AP82	1.3086	0.823269	0.99382	1.51308	1.10851	2.23879	1.23181	0.556525	0.598766	1.58878	3.0967	0.571657	1.18202	1.41025	1.12601
RPL23AP87	0.81936	0.616186	0.975689	0.847978	0.20138	0.724937	0.503583	0.689715	0.502598	0.525927	0.517332	0.370533	0.613713	0.270746	0.442889
RPL23P8	0.0885012	0	0	0.0456015	0	0	0	0	0	0	0	0	0	0	0.0635494
RPL24	242.261	172.716	185.937	375.567	109.063	350.185	159.531	171.824	255.727	364.172	689.633	208.938	324.992	227.47	118.693
RPL26	266.555	176.824	173.968	337.552	54.6787	171.789	97.9769	132.957	293.323	364.902	842.812	196.084	205.309	214.775	101.771
RPL26L1	4.06234	2.17082	2.11823	8.82943	0.994339	8.05009	2.13641	2.10052	4.97746	7.35445	20.7616	3.34713	6.32219	5.81614	4.73794
RPL27	169.207	137.604	141.186	255.556	67.0295	220.039	153.077	114.045	236.9	227.926	480.444	167.804	163.852	164.91	66.5809
RPL27A	54.6677	46.0105	46.2492	89.8356	51.0612	77.8264	48.6236	44.4992	75.7933	71.2569	146.815	59.5754	50.4693	56.7567	29.2853
RPL28	36.1756	31.508	28.9633	75.9136	32.4591	76.6588	41.1618	29.6857	55.1532	43.4178	88.7718	42.4445	36.1828	34.845	19.7824
RPL29	366.759	290.688	293.519	660.205	141.107	484.229	313.058	236.661	476.317	465.001	987.135	325.543	325.319	304.182	143.418
RPL29P2	0	0	0	0	0.110783	0	0.122145	0	0	0	0	0	0	0	0
RPL3	682.323	560.927	623.579	873.831	654.917	1041.62	531.706	430.756	699.107	583.076	951.068	434.042	494.005	461.624	251.19
RPL30	372.085	289.797	299.659	417.368	91.7547	341.618	256.131	241.911	369.568	403.301	935.807	257.12	233.895	235.209	130.906
RPL31	133.95	90.6522	92.3828	174.776	46.8471	104.03	63.2485	60.9956	151.37	186.642	421.35	106.993	100.5	96.3901	64.072
RPL31P11	0.0149503	0.0288131	0.0123679	0.0308134	0	0.0381899	0.0341395	0.0664329	0	0.0187642	0.033754	0	0	0	0.128823
RPL32	154.6	108.954	114.31	212.722	52.8708	202.409	109.755	100.539	149.526	167.682	345.564	108.493	96.0351	107.887	58.7841
RPL32P3	1.97033	2.26875	2.22858	0.975091	2.4554	1.34596	2.91058	2.33476	0.433834	0.628721	0.477525	0.812442	0.237012	1.22177	1.64663
RPL34	136.06	89.8549	95.533	151.034	38.5049	85.3435	61.4049	80.7769	106.991	145.01	349.408	77.6809	75.8599	84.5122	46.7464
RPL34-AS1	0.110409	0.0620631	0.121785	0.0379267	0.019056	0.0208916	0.0910447	0.17444	0	0.00769862	0.0138487	0.00877788	0.00395753	0.0128233	0
RPL35	346.24	258.356	266.54	549.111	238.437	449.982	252.924	225.618	411.694	431.978	953.983	282.267	260.722	288.637	121.313

RPL35A	124.309	92.3797	99.2451	169.74	35.4276	156.535	84.5404	75.08	127.658	147.244	304.432	102.497	109.932	105.723	54.1431
RPL36	180.813	180.546	184.426	387.034	170.042	350.011	192.006	148.429	272.68	214.772	410.938	198.07	161.677	164.58	71.8666
RPL36A	43.1559	33.9638	33.6209	59.9134	23.8035	42.643	21.9396	24.1693	60.1383	56.9524	132.138	38.0931	29.3594	28.6529	16.3939
RPL36A-HNRNPH2	9.41212	7.99814	7.61191	12.9729	5.45517	17.1288	4.84737	7.34015	16.0715	13.8315	16.715	8.14564	15.8641	8.90274	8.19598
RPL36AL	44.0801	37.3751	38.4902	70.7221	26.1675	72.2326	21.1575	25.1303	50.8025	68.7158	116.818	33.5207	56.7511	43.0158	32.1419
RPL37	100.709	70.7464	68.0338	130.383	23.1723	80.7946	56.9041	63.5238	112.491	109.398	213.265	66.6914	48.9705	60.655	33.4904
RPL37A	749.935	614.247	631.025	1116.71	464.071	1026.83	663.571	475.909	1189.06	906.708	2011.61	794.815	558.799	584.118	275.353
RPL38	228.539	203.731	202.15	382.625	117.019	391.003	198.247	182.693	260.141	253.644	495.984	224.524	189.732	206.768	114.293
RPL39	457.835	303.863	313.594	687.767	105.359	318.165	242.735	251.524	507.005	662.048	1354.73	352.491	346.531	357.555	180.143
RPL39L	1.59819	0.962542	1.11873	3.07226	0.525154	5.4957	1.50894	1.01063	0.823485	1.92875	6.41865	0.923636	2.71667	2.08821	1.45657
RPL3L	0.0151361	0.0437567	0	0.0155982	0.0235115	0.0386645	0	0	0.0368681	0.0379946	0.0341735	0.0433211	0.0585943	0.00791077	0
RPL4	441.212	358.4	383.23	526.545	291.784	541.033	346.446	339.373	484.809	465.738	825.649	330.534	394.785	343.704	180.367
RPL41	874.169	733.084	740.138	1257.02	730.012	1049.84	603.619	644.212	1117.89	1235.96	2936.54	876.543	759.785	716.086	401.224
RPL5	267.989	189.818	203.238	332.691	92.9974	304.657	145.987	177.532	244.912	266.498	480.888	171.811	241.219	200.575	116.357
RPL6	177.096	141.226	142.828	284.919	103.931	241.518	103.332	127.09	236.15	251.632	494.883	175.608	210.383	172.388	90.7485
RPL7	282.131	197.837	200.733	366.139	114.521	220.416	136.484	165.757	316.396	373.317	728.769	203.907	238.719	205.011	111.312
RPL7A	473.418	390.424	418.729	815.2	556	739.374	455.146	333.011	609.823	461.324	818.348	447.906	439.649	393.024	209.762
RPL7L1	6.53229	6.49922	6.21427	12.8551	7.01203	11.5616	5.63244	5.13407	9.68749	9.04294	12.4832	6.11374	14.9961	8.86948	5.38121
RPL8	377.634	339.625	390.238	537.554	402.906	528.143	322.125	274.382	416.721	362.864	725.114	289.305	395.029	292.922	140.715
RPL9	493.659	317.972	327.921	557.167	188.816	336.741	234.66	280.007	507.852	544.364	981.749	325.988	311.58	332.653	169.329
RPLP0	571.229	453.376	436.893	964.398	591.755	974.674	610.277	391.479	1072.56	784.84	1641.58	643.946	665.566	561.611	264.019
RPLPOP2	0.0722195	0.00948994	0.0325882	0.0473609	0.0509917	0.145349	0.0149923	0.0116696	0.00799592	0.502656	1.18584	0.0234886	0.19909	0.192157	0.867445
RPLP1	879.601	898.01	946.559	1283.69	1519.11	947.087	1213.56	759.488	1360.43	828.055	1979.42	881.502	554.288	625.88	277.124
RPLP2	394.934	345.852	376.542	591.402	406.597	664.088	392.554	292.202	527.466	398.467	886.31	429.203	329.801	324.274	154.991
RPN1	23.232	16.3045	17.4445	46.9351	22.7734	49.8332	24.1439	15.6827	28.0171	40.5118	66.9378	20.4995	58.5662	29.0945	29.545
RPN2	21.28	15.1783	15.8656	41.7047	20.355	45.4356	19.3057	15.4529	27.7316	36.2913	49.118	24.2043	52.9319	25.9235	27.1997

RPP14	1.95502	1.46604	1.91018	2.04028	0.806104	1.06119	1.8159	1.57849	1.83852	2.13035	1.43874	1.85086	4.0134	1.56813	1.90284
RPP21	0.658817	0.679385	0.54808	1.18901	0.93792	1.16444	0.787942	0.504826	0.947669	0.869751	1.89962	0.626585	0.761498	0.735459	0.500515
RPP25	1.5475	0.989366	0.992976	2.12632	2.75821	4.89905	2.15197	1.20779	1.28062	1.31975	3.32589	1.17826	2.04168	1.34798	1.92323
RPP25L	1.93209	2.26656	1.68523	6.12473	4.37131	4.9891	1.89428	1.41846	1.94384	1.87144	4.55183	1.72808	1.82921	1.99763	1.23656
RPP30	2.02512	1.40314	1.42419	1.83585	0.508773	2.02366	1.2496	1.64547	0.754016	1.29844	2.2816	0.731658	1.25763	1.0271	0.871923
RPP38	2.9295	2.83639	2.56197	4.41287	2.27526	3.84841	2.18209	2.0828	4.99492	3.43137	4.42513	2.89437	4.041	3.09132	1.54261
RPP40	0.82026	0.931576	0.678577	2.65666	0.333705	2.14521	0.914248	0.867832	2.02175	1.93646	4.3653	1.64896	2.86035	1.59233	0.476808
RPPH1	7593.36	6486.29	5961.29	9975.07	12744.4	8440.93	9983.62	6708.3	11586	8805.9	25252.2	5842.53	7990.91	5900.23	3836.41
RPRD1A	3.70376	3.73512	3.41408	5.53419	2.1888	5.21533	2.32611	3.53584	5.41401	4.74166	5.89984	3.56784	6.02053	4.19754	2.35568
RPRD1B	4.21978	4.39749	4.23754	5.51891	3.86231	6.05634	4.25841	4.34512	4.53503	4.07347	4.50046	3.57962	6.01976	3.91732	3.61377
RPRD2	4.56607	5.15154	5.43097	4.82743	3.1397	5.72655	4.84056	4.43575	3.74392	3.29653	3.71497	3.69826	5.19999	2.96758	3.67089
RPRM	0.519185	0.204669	0.0650767	0.0324264	0.439894	0.468872	0.556862	0.153803	0.0574826	0.236956	0.0888022	0.810525	0.0203015	1.0525	0.406699
RPRML	0.254087	0.21424	0.210198	0.0218203	0.197342	0.0901464	0.580216	0.319899	0.0515748	0	0	0	0	0.0331992	0
RPS10	244.135	168.71	176.714	390.46	241.292	398.064	208.575	144.512	330.676	343.787	824.197	220.596	233.28	206.972	108.025
RPS10-NUDT3	1.01549	0.288913	0.342504	0.804136	5.58E-07	0.516693	0.448569	1.55807	0.184736	0.646925	0.136959	0.182572	0.681122	0.20724	0.962597
RPS10P7	0.772555	1.05208	0.722474	0.692296	0.730462	0.457658	0.536917	0.925394	0.204574	0.21079	0.227509	0.240341	0.0866867	0.438881	0.675339
RPS11	542.214	456.47	497.429	724.053	225.1	734.186	540.628	385.659	641.201	492.763	1024.97	448.234	413.86	372.51	255.395
RPS12	604.296	439.798	426.874	865.745	266.438	709.259	391.369	300.459	779.896	715.258	1492.02	556.01	410.787	446.598	206.158
RPS13	290.797	203.094	211.397	426.272	67.8209	371.285	228.325	178.965	351.868	304.032	538.02	246.67	223.186	218.063	119.877
RPS14	455.324	330.209	359.146	519.998	281.978	564.666	399.43	282.97	448.499	460.956	988.419	308.173	260.869	303.833	157.084
RPS14P3	1.51894	1.41047	1.4165	0.711503	0.857975	0.305702	0.882902	1.07992	0.100903	0.762568	0.311762	1.02756	0.10691	1.35678	0.79323
RPS15	196.601	199.968	220.54	363.15	267.976	328.037	237.676	171.399	270.341	223.148	446.291	182.066	161.327	180.011	94.3378
RPS15A	360.087	262.653	254.684	533.575	109.899	353.767	239.098	245.643	417.813	521.926	1220.83	322.964	286.232	314.557	148.183
RPS15AP10	1.68592	1.69845	1.5215	1.10561	0.357111	0.369759	1.6916	2.08854	0.49776	1.15418	0.346035	1.84603	0.214253	1.57536	1.79755
RPS16	261.395	190.5	199.095	406.528	150.376	363.742	251.267	192.702	308.081	304.976	540.139	268.695	292.621	239.232	138.738
RPS16P5	0.886735	0.564949	0.648694	0.475783	0.660244	0.393122	0.334693	0.651286	0.116027	0.220749	0.0827284	0.576802	0.127662	0.896252	1.26294

RPS17	128.697	94.2607	90.2982	180.782	55.9545	138.799	95.7184	89.5013	164.368	154.71	344.874	113.46	99.4634	110.519	47.977
RPS18	212.693	167.822	179.398	290.543	82.7158	251.262	164.221	144.362	262.98	208.136	433.13	141.103	105.494	121.739	57.3089
RPS18P9	2.22116	1.78365	2.31169	1.20602	1.03878	1.40321	1.63616	1.50702	1.65798	1.13909	2.9388	1.07662	0.87834	1.43549	2.40097
RPS19	246.287	193.633	196.271	375.811	331.367	432.065	208.18	155.782	275.584	223.901	500.18	185.352	141.808	150.858	80.5835
RPS19BP1	7.25209	6.7474	6.14989	12.1123	21.6473	19.9578	6.09985	5.23282	12.4869	15.6077	29.2824	6.11624	14.1985	10.3371	6.20325
RPS2	573.786	563.287	573.412	1320.92	843.927	1202.48	686.883	462.422	804.368	768.941	1764.42	630.596	705.138	646.535	292.882
RPS20	201.579	142.742	154.794	273.586	102.925	287.452	130.492	128.473	182.372	206.107	462.701	139.958	136.626	135.181	90.6522
RPS21	268.717	197.812	201.899	368.223	118.378	365.009	215.396	135.715	307.836	313.134	707.635	236.098	193.51	193.071	92.6589
RPS23	94.4019	65.9586	72.0703	112.656	39.5397	86.685	58.9317	55.3973	77.5488	121.823	252.135	63.4497	69.8333	80.2673	33.6475
RPS24	98.3224	73.5571	69.961	127.142	32.5993	78.8284	35.0505	59.3804	133.864	132.816	293.029	80.5132	81.8237	78.5384	44.5128
RPS25	383.507	287.583	325.163	478.397	120.196	396.764	219.072	241.419	394.141	400.281	848.021	294.402	264.189	261.776	162.669
RPS26	67.1148	44.6319	18.8094	206.864	25.1013	163.006	64.4139	60.043	45.987	94.326	180.267	72.6581	79.8717	68.4351	42.8268
RPS26P11	0.20938	0.423823	0.34684	0.345597	0.130015	0.42902	0.526387	0.223157	0.153075	0.157578	0.0473054	0.240051	0.216449	0.657011	0.363648
RPS27	382.455	237.808	229.134	348.727	61.9837	333.739	222.293	223.174	336.625	354.567	780.134	209.738	166.46	174.116	129.348
RPS27A	190.715	128.519	134.864	234.29	115.728	236.69	101.965	120.446	194.082	228.63	448.097	154.228	155.492	150.275	87.1186
RPS27L	9.43656	6.47027	6.72921	12.1008	2.52042	12.1254	5.60657	6.03367	5.1223	20.3114	44.081	5.57584	10.1933	8.24597	10.8539
RPS28	365.079	299.755	295.203	606.229	453.411	625.588	341.022	238.95	541.061	385.974	769.817	376.273	266.349	274.018	131.553
RPS29	18.2046	12.4627	11.5348	20.3616	4.23238	18.8435	12.2398	7.43677	22.1224	21.4882	40.1804	15.5435	9.75094	13.1624	5.61087
RPS2P32	0.361257	0.358997	0.709787	0.32575	0.385796	0.269155	0.386692	0.160528	0.164989	0.283384	0.356838	0.0807779	0.160243	0.42482	0.518811
RPS3	142.561	119.769	133.628	232.751	176.819	201.866	120.186	95.0175	151.483	137.506	242.935	122.773	111.771	113.87	57.3957
RPS3A	250.777	169.565	174.782	290.925	100.486	172.169	116.611	147.086	239.496	292.214	550.368	174.313	177.153	184.766	84.6205
RPS4X	375.59	310.551	333.706	477.141	193.434	410.549	418.306	273.597	407.984	342.395	660.355	266.285	252.107	239.014	139.968
RPS4Y1	63.5724	47.4867	55.3236	86.3318	44.1249	74.9136	5.00789	44.1619	46.2848	66.157	128.881	48.94	61.1421	53.4255	37.9421
RPS4Y2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RPS5	310.292	230.989	255.455	396.914	192.942	341.438	268.697	193.158	297.908	262.049	556.254	196.01	194.496	196.239	99.2605
RPS6	642.31	523.597	551.203	847.739	507.538	838.706	396.965	440.107	635.486	612.998	1135.82	494.867	468.811	446.631	230.129

RPS6KA1	4.12109	3.5211	3.57368	10.8972	6.4632	11.1254	3.79755	2.49072	3.25188	4.49881	3.82945	2.35615	8.61787	5.07988	2.65472
RPS6KA2	5.68619	2.6745	3.22921	3.60824	5.06851	8.6957	4.89155	3.34254	3.87424	3.09941	3.46255	2.39072	5.38813	3.18198	6.21396
RPS6KA2-AS1	0.0806378	0.116558	0.155655	0.166199	0.0417528	0.228873	0.276209	0.214993	0	0	0	0	0	0.0421448	0
RPS6KA2-IT1	0.519619	0.13481	0.231466	0.041191	0.248353	0.0680691	0.182549	0.319704	0.14604	0.0501674	0.0902439	0	0	0.125343	0.344418
RPS6KA3	5.45395	4.64297	5.39354	5.33863	1.58531	4.73307	3.96531	5.8495	7.07724	5.67375	5.97738	3.31781	7.90939	5.00452	5.57444
RPS6KA4	4.59612	5.02621	5.55995	14.4146	14.0609	21.2389	5.63519	3.53392	7.29571	13.6299	8.06169	10.531	32.4012	13.9504	7.9356
RPS6KA5	1.93181	1.82891	2.16053	1.14622	0.821406	0.979242	1.29217	2.23011	1.83688	1.26594	0.968144	1.44393	1.07431	0.771452	0.642131
RPS6KA6	0.194987	0.424748	0.311255	0.220751	0.132244	0.16369	0.257122	0.456407	0.501702	0.0517033	0.040303	0.143449	0.0673321	0.00861201	0.0552164
RPS6KB1	3.87476	3.1461	3.16356	4.35405	1.33752	3.94265	2.36143	3.99482	5.13542	3.40636	3.5784	2.89331	5.50636	3.18989	2.5641
RPS6KB2	15.1541	19.4034	18.7994	28.5252	44.7029	28.9912	21.6169	12.573	51.7214	43.7181	49.2549	40.6315	45.4955	22.7629	12.6185
RPS6KC1	2.05756	1.92872	2.15388	2.42595	1.40988	2.28158	1.45332	1.64541	2.00823	2.78215	2.74728	2.8772	2.61073	2.2717	3.12629
RPS6KL1	0.980071	0.673977	0.880807	0.344315	0.380597	1.28592	0.92573	0.803701	0.0759574	0.21247	0.0754349	0.398447	0.221318	0.405126	0.307092
RPS7	303.768	237.302	242.275	505.077	161.084	346.74	181.141	190.307	408.268	556.891	1161.34	300.898	355.344	306.933	150.063
RPS7P5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RPS8	568.17	509.673	539.986	844.072	337.004	693.763	454.83	464.507	752.896	559.349	1057.4	494.247	456.934	427.205	232.796
RPS9	210.267	173.635	186.026	333.597	377.088	372.119	200.907	131.735	212.478	231.154	526.442	171.591	198.751	169.655	87.3583
RPSA	245.898	162.586	166.703	439.84	254.572	325.878	195.552	157.174	231.713	344.315	714.385	209.296	258.429	244.36	125.805
RPSAP52	0.0202299	0.00974709	0.0334713	0	0	0.0516766	0	0.0539361	0	0.228516	0.251208	0	0.0391568	0.169169	0.0581055
RPSAP58	1.97295	1.92525	1.87001	1.42317	0.908158	0.999305	0.785078	1.3891	2.80518	0.745832	1.23268	1.6802	0.841653	0.772962	0.274114
RPSAP9	0.47728	0.40808	0.288047	0.595019	0.271476	0.325186	0.373007	0.234741	0.156864	0.46564	0.469265	0.17757	0.453897	0.286566	0.354273
RPTN	6.05649	4.93642	1.99019	4.13642	0.564066	4.10243	1.45854	2.14954	25.5242	7.26783	13.1982	8.41197	1.17982	2.17917	0.856751
RPTOR	3.57088	4.32601	4.83402	4.03142	6.40174	5.56685	6.57379	3.99679	2.29801	3.45223	2.31661	4.93348	6.63594	4.00902	4.27497
RPUSD1	3.05367	2.24199	2.54472	4.62237	7.4018	9.11484	3.35887	2.13728	3.77353	3.18688	4.04069	2.69722	6.48797	3.79997	3.3895
RPUSD2	2.16556	1.40701	1.29386	2.78395	2.22559	3.41783	1.81072	1.05949	1.70499	1.11191	2.03721	1.10344	2.71679	1.53767	1.00526
RPUSD3	2.57998	3.07809	3.1761	5.5707	5.41504	6.45972	3.82244	2.22463	4.65708	3.77783	6.2757	3.53825	4.44883	2.81722	2.47012
RPUSD4	3.6115	3.32034	3.50597	4.6427	2.71909	5.96981	3.45026	2.37445	2.62557	2.35891	2.99529	2.03038	3.70918	3.49094	2.27574

RRAD	2.86936	0.853677	1.19335	0.694805	1.38828	2.21625	0.930927	0.543453	0.210056	12.8703	0.796513	2.06433	1.1735	1.36034	1.32855
RRAGA	10.0427	10.8904	11.2437	20.7564	14.0093	24.7221	16.8313	9.2492	25.1792	22.7798	38.8084	15.2247	28.0174	15.431	12.0658
RRAGB	2.98679	2.49412	3.14545	1.76559	2.70401	2.22336	2.12354	2.49156	1.07119	1.4029	2.75115	1.30457	1.14678	1.49878	1.77629
RRAGC	6.41875	6.8911	7.47465	14.1895	2.8412	12.1424	4.9793	6.54731	13.9843	16.0488	12.4462	9.25209	25.6229	9.56833	6.62778
RRAGD	3.69274	3.7599	2.86834	4.08629	2.78777	4.42045	3.3097	2.55529	5.23546	2.58273	3.41553	2.46409	4.7287	1.83668	0.917609
RRAS	8.47327	6.10686	7.04852	13.6905	11.5577	13.4305	10.7733	4.50568	3.80192	9.45645	20.9323	3.77878	9.268	6.23179	10.4496
RRAS2	2.54498	1.91721	2.05489	4.40913	1.33242	3.10607	2.11238	2.23463	4.33191	4.99143	5.58208	2.45833	11.6537	6.08093	2.63282
RRBP1	9.11199	7.33674	8.20457	22.5477	24.2694	41.0542	9.07976	6.95895	5.25508	13.1906	12.0155	12.5855	34.3274	16.2167	29.9764
RREB1	7.82524	8.90671	9.47512	17.1055	10.4477	15.8772	10.2045	8.21545	5.38076	10.774	5.26323	12.0164	19.0673	10.233	7.19215
RRH	0.0892406	0.136159	0.0738261	0	0	0	0.16982	0.158619	0	0.0186677	0	0.0425693	0	0.046641	0
RRM1	9.63526	9.54384	8.37281	18.5714	6.28657	17.3567	8.12538	8.04527	12.8389	13.337	16.0089	10.3694	16.9453	9.14775	5.17983
RRM2	0.687418	0.704628	0.613283	8.20213	0.565304	6.86889	1.50049	0.736697	1.28042	4.83835	6.4211	2.36771	13.1183	5.69562	2.33255
RRM2B	2.74155	2.1358	2.39318	6.03574	1.07156	3.94878	1.44824	2.84387	1.58274	3.72583	4.78297	1.48716	3.90527	2.34934	2.29459
RRN3	4.05507	3.03477	3.45645	5.30014	2.04331	6.32801	2.8654	3.23846	3.19027	3.38925	4.23632	2.3711	5.18151	4.50007	3.11263
RRN3P1	1.3052	0.815619	0.711884	0.537128	0.472974	0.589592	0.386951	0.708961	0.0211865	0.31455	0.520233	0.234827	0.418352	0.499304	1.32649
RRN3P2	1.26515	0.622977	0.827991	0.468007	0.481069	0.73423	0.972343	0.78786	0.0525413	0.240039	0.851446	0.215749	0.114933	0.710215	1.89456
RRN3P3	1.60792	2.37643	2.64601	1.05783	3.13079	1.29265	2.51169	1.36198	0.754372	1.26752	0.647318	1.26793	0.601886	1.72911	1.05192
RRNAD1	3.07011	3.48428	3.50171	3.05872	8.93581	3.69108	3.29572	2.33867	3.78873	1.34417	3.10882	1.97779	2.40198	2.07901	1.69917
RRP1	4.86683	4.98602	5.13868	9.38409	10.1859	13.2609	4.03598	3.86994	6.3016	4.90277	3.38317	5.6359	12.1057	7.64424	4.17524
RRP12	2.43142	3.40872	3.81095	5.94361	5.84802	6.41583	4.11346	2.04932	6.10714	4.32489	1.87707	6.2594	7.98881	5.38094	3.31164
RRP15	1.64809	1.12861	1.24582	1.38883	0.461836	1.62536	0.895465	1.5574	0.881368	0.815116	1.56923	0.874981	1.8254	1.26709	0.963977
RRP1B	4.59949	3.7242	4.30182	5.82292	4.45213	7.8948	4.20748	3.8208	2.64292	2.83217	2.81953	3.64588	8.03974	4.07783	3.54774
RRP36	8.31822	6.59067	6.78963	13.9822	7.55161	13.0167	8.02008	5.88117	14.7908	13.0386	21.3887	7.53903	18.8079	11.6802	7.69852
RRP7A	2.68201	4.00509	4.86542	5.81635	5.16772	5.60372	3.20068	2.12178	2.86225	2.78372	3.93049	3.20847	5.49403	8.3752	2.28621
RRP7BP	2.95705	3.42146	4.06654	2.24556	5.70457	2.23698	3.68997	2.89899	0.858482	1.40087	0.783685	2.3098	1.04264	3.18084	2.7616
RRP8	3.58182	3.54071	3.71759	4.5084	4.94788	4.92931	3.80288	2.6429	2.35014	2.30584	3.10344	2.49669	3.76066	4.06179	2.90415

RRP9	2.34064	2.64318	2.56565	8.08052	5.54462	9.99002	2.27159	1.69013	2.85063	2.62561	4.02949	3.56939	7.27712	5.28321	2.0799
RRS1	3.29646	2.95434	3.33308	6.19306	5.20483	5.8217	2.38528	2.20626	3.07299	2.14532	2.7412	2.76638	8.5337	4.93465	3.07816
RRS1-AS1	0.12716	0.094454	0.0832797	0.0600608	0.0576108	0.040603	0.10889	0.113009	0	0.119699	0.00598114	0.0606574	0.0102553	0.110765	0.0532634
RS1	0	0.0221097	0.0189811	0.0157631	0.0118801	0	0	0.0203909	0.00931449	0.00959911	0	0.0054724	0.00493449	0.00399721	0.0768851
RSAD1	3.81905	3.83705	3.82183	4.47971	6.21935	6.45129	3.5366	2.23662	6.33375	2.77215	4.12248	2.58151	2.85576	2.52031	2.55276
RSAD2	0.632612	0.177801	0.245316	3.38865	0.368499	10.6834	0.361148	0.286963	0.329046	0.396996	1.06377	0.282907	0.420913	0.099878	0.785483
RSBN1	2.52413	2.22051	2.52282	2.14112	1.18959	2.47384	2.14875	2.98488	1.84028	1.86204	2.53542	1.17948	1.70169	1.51127	1.68672
RSBN1L	3.50066	2.93836	3.23201	2.92823	1.50399	3.16053	2.14183	2.86189	2.35791	2.52606	3.19355	2.03612	2.51503	2.61588	2.7814
RSC1A1	5.98797	5.83702	5.47237	8.51746	1.7753	6.06352	4.09187	5.9498	7.27016	5.77339	6.06332	6.15027	7.11645	4.77486	3.59765
RSF1	5.4905	5.37552	5.51544	4.54322	2.52778	6.50598	2.23374	3.44129	3.90888	4.75251	4.53407	3.07063	4.76688	3.87322	5.51565
RSL1D1	9.68989	8.51664	8.57915	15.6567	5.34162	15.4731	5.20761	7.41396	8.28279	7.20657	9.61586	6.55284	13.5825	9.44326	4.67963
RSL24D1	16.0257	10.1893	11.8279	17.4541	2.80662	17.405	8.808	13.4883	12.8203	17.7279	30.3114	9.82551	21.5512	12.6622	9.65727
RSPH1	0.113367	0.421369	0.321549	0.0834485	0.125784	0.206851	0.29586	0.028786	0.374756	0.0203267	0.0365649	0.0231763	0.0208982	0.0761792	0
RSPH10B	0.0298043	0.0287204	0.0523945	0.0115178	0.054977	0.0142751	0.0340296	0.0281431	0	0.0187037	0	0.0106629	0.0024037	0.015577	0.0454779
RSPH10B2	0.0298043	0.0287204	0.0523945	0.0115178	0.054977	0.0142751	0.0340296	0.0281431	0	0.0187037	0	0.0106629	0.0024037	0.015577	0.0454779
RSPH14	0.0739395	0.195938	0.321132	0.0571476	0.0574268	0.0944377	0.168843	0.213562	0.045025	0	0	0	0	0.019322	0
RSPH3	1.32629	1.59757	1.44737	1.89023	1.80267	1.96429	1.5264	1.31349	2.40572	2.22246	1.96709	1.77937	2.74922	1.60206	1.63117
RSPH4A	0.464491	0.357293	0.546053	0.193148	0.113923	0.145713	0.269822	0.427285	0.168717	0.0818223	0.0643941	0.110785	0.0841227	0.157583	0.152138
RSPH6A	0.0465842	0.049379	0.0462453	0.0480064	0.202612	0.0158663	0.13829	0.0331202	0	0.0233872	0.0210351	0.0199994	0.00601118	0.0779103	0.0669009
RSPH9	0.327805	0.210589	0.253105	0.225209	0.169732	0.111649	0.299422	0.213639	0.159692	0.137143	0.271371	0.109458	0.0563995	0.182747	0.188308
RSPO1	2.34502	1.12987	0.997874	0.609944	2.0948	2.11159	1.44566	0.945485	0.118619	0.178663	0.279102	0.573604	0.531724	1.30392	1.52786
RSPO2	0.0397306	0.00319047	0.010956	0	0	0.016915	0	0	0	0	0	0	0	0	0
RSPO3	0.222189	0.0778577	0.11697	0.124894	0.00784402	0.382683	0.0922504	0.112195	0.00615004	0.114083	0.250824	0	0.185711	0.0211138	0.427874
RSPO4	0.486952	0.316944	0.219089	1.09168	1.64551	1.7822	0.312133	1.17681	0.301729	0.214447	0.14466	0.183383	0.198429	0.325942	0.245377
RSPRY1	3.88861	3.33055	3.43805	4.10994	2.29566	5.21209	2.7166	3.2556	3.6062	3.78216	4.91038	2.38117	3.71942	3.2841	3.49223
RSRC1	4.8309	3.23811	3.52305	4.26521	1.05429	5.51859	2.46158	2.92134	2.0422	4.1424	5.87414	2.46631	3.25425	3.42904	3.49756

RSRC2	7.41861	6.75312	6.4027	6.55571	3.0202	8.45461	2.19841	4.44569	6.64407	7.40388	8.60907	5.49056	6.33321	7.15274	6.83164
RSRP1	3.70133	5.53895	4.64419	4.22379	6.20998	3.62687	3.43992	3.55314	4.45315	3.51447	3.41696	4.64153	1.32578	5.14636	3.58895
RSU1	7.8069	5.44021	5.69828	11.2799	4.09971	12.6542	6.61129	5.49129	9.44036	12.6777	20.389	9.02316	13.0733	8.46015	11.2912
RSU1P2	0.0125505	0.102799	0.176505	0	0	0	0	0.0111538	0	0	0	0.00898019	0	0	0
RTBDN	0	0.00471487	0.00809538	0.0100844	0.0456015	0.00833235	0	0	0.0119178	0	0	0	0	0	0
RTCA	4.28802	3.34988	3.51817	5.40096	2.86442	4.97346	2.75018	3.16787	4.40569	5.43732	7.65938	3.39651	10.2978	5.15085	3.67463
RTCA-AS1	0.267035	0.657604	0.859096	0.275188	0.460887	0.202113	0.338769	0.395531	0.180677	0.111719	0.435427	0.0424602	0.22972	0.0775357	0.511328
RTCB	12.1428	15.096	16.5508	19.2782	17.9746	23.2352	11.7795	11.5282	24.5703	18.5023	19.6385	13.9545	24.0238	12.7688	9.82934
RTEL1	1.06176	1.53073	1.56186	3.8463	3.85705	2.83141	2.40133	1.1263	0.593179	0.727075	0.899477	1.61179	0.660596	1.89585	3.7564
RTEL1-TNFRSF6B	0.932216	0.60833	0.587234	0.534879	1.1365	0.994148	0.5152	0.814131	0.120248	0.525818	0.237661	0.246378	0.779275	0.859842	0.611498
RTF1	6.73873	6.70018	6.79113	7.51445	4.55361	9.81964	4.69959	5.62834	7.92072	5.5074	5.64035	4.86461	7.44359	5.29256	4.92488
RTF2	14.2705	12.3518	12.047	18.3964	16.3574	28.2775	14.0525	9.5472	17.3475	15.2474	22.8468	10.5526	21.8972	11.8182	9.71381
RTKN	2.59943	4.36004	4.77126	6.02728	6.33432	4.3507	3.83051	2.69277	3.73962	5.28128	3.34708	3.4816	8.09227	4.49608	2.86983
RTKN2	0.129445	0.152603	0.202779	0.178808	0.0342251	0.0586279	0.0628918	0.139516	0.11069	0.089875	0.276708	0.135976	0.0533087	0.205839	0.110748
RTL1	0.1987	0.271254	0.292229	0.102383	1.22603	0.296084	0.296191	0.255072	0.0268883	0.166259	0.149539	0.185618	0.0391723	0.640405	1.83105
RTL10	4.57629	6.3879	5.87208	4.5219	10.3269	5.46779	4.92239	3.48115	9.80869	3.03384	2.89803	3.81854	3.41169	3.72802	2.52466
RTL3	0.122358	0	0.0072302	0.0180133	0	0.0818603	0.0399154	0	0	0.0219388	0.118394	0	0.0338333	0.0274069	0.0376545
RTL4	0.0313326	0	0.0129449	0	0.0121532	0	0.0178661	0.00695322	0	0.00981978	0	0.055982	0	0.0040891	0
RTL5	0.848258	0.655468	0.679672	0.549783	1.48338	1.83977	1.43754	0.734896	0.103958	0.341492	0.60225	0.209952	0.368303	0.769566	1.67791
RTL6	2.65163	1.76769	1.38809	3.65538	3.707	5.99989	2.20365	1.34053	2.9435	2.84249	2.85105	2.17102	4.63884	3.48963	4.6446
RTL8A	5.99507	6.66908	6.80199	12.0467	8.01626	16.4897	8.02437	6.16405	8.25403	7.59759	16.7399	6.27784	11.1123	7.10181	6.37541
RTL8B	3.90562	3.57616	3.63234	4.88095	5.09719	6.83831	4.98677	3.17347	2.95731	2.89601	6.16071	3.01135	4.20882	3.1223	4.43856
RTL8C	13.364	13.0256	13.3233	27.3992	28.1115	42.5352	20.3654	9.15036	21.8592	32.3419	54.435	23.6868	37.2754	23.7435	22.006
RTL9	0.0213261	0.0308257	0.0141139	0.0131863	0	0.032686	0.0146096	0.0189528	0.0103891	0.0214131	0	0.00610375	0.00550379	0.0156043	0.0183762
RTN1	0.619903	0.696917	1.18624	0.664639	0.875385	0.970372	0.772129	0.628826	0.236405	0.251488	0.685656	0.12097	0.420158	0.245446	0.458618
RTN2	1.0115	1.18915	1.15476	1.61569	2.57678	2.28239	1.6746	0.701169	2.40219	2.9961	3.47124	1.75148	2.75403	2.11989	0.639161

RTN3	9.68332	10.2185	11.1811	10.8031	7.88195	12.7284	12.1446	9.5854	18.1657	11.9374	12.7109	9.33129	14.8237	6.31759	5.69751
RTN4	19.6903	23.7963	28.1466	29.6742	29.9388	36.0759	23.3148	20.2217	31.0401	36.2014	33.7791	24.9614	67.4013	27.6941	17.7181
RTN4IP1	1.06709	0.703753	0.76382	0.967087	0.470231	0.850618	0.682635	0.813826	0.884833	0.721898	0.991031	0.519853	0.605474	0.597263	0.521695
RTN4R	0.494458	1.28416	1.57634	1.77722	1.16146	0.955007	2.06545	0.653791	1.51283	1.42283	1.40226	0.931956	2.54439	0.630306	0.173196
RTN4RL1	1.4237	1.71951	2.38725	0.875033	1.85448	2.14727	1.39227	1.18583	0.412093	0.560906	0.381975	0.383723	1.26045	0.447119	0.238385
RTN4RL2	0.510815	0.622831	1.17288	1.21397	1.27927	1.59778	1.41642	0.722646	0.177747	0.693462	2.6714	0.164103	0.766767	0.381392	1.07794
RTP1	0.0208757	0	0	0	0	3.42E-22	0.0119188	0	0	0	0	0	0	0	0
RTP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RTP3	0	0.122835	0.0703019	0	0	0.1206	0.323427	0.0503491	0	0	0	0	0	0	0
RTP4	0.54939	0.68382	0.473431	2.40619	0.462254	3.39154	0.235228	0.69169	0.0836369	0.574617	1.31791	0.147414	1.13724	0.275171	0.887618
RTP5	0	0.0248068	0.0106483	0	0	0.0657597	0	0	0	0	0	0	0	0	0
RTRAF	21.6677	15.246	15.3201	31.1565	6.02003	31.8746	14.6576	15.3034	28.427	29.3233	61.4238	17.7097	27.1216	23.1899	15.7801
RTTN	2.49604	1.55006	1.92185	1.42566	0.750103	1.43357	1.71367	1.65574	0.321872	0.937789	1.20444	0.628012	0.89679	1.12038	1.57911
RUBCN	1.94615	2.4757	2.52081	2.19751	3.38569	3.61522	2.77466	1.78303	3.4988	3.26286	1.59764	2.8129	4.79644	3.24771	2.5668
RUBCNL	0.497224	0.244314	0.219923	1.24296	0.550593	1.3414	0.219216	0.603772	0.017987	1.01334	1.85619	0.102154	0.752783	0.571201	2.72904
RUFY1	5.23362	5.9688	5.86721	10.1537	9.6516	8.19767	4.28856	4.52681	11.2516	7.0275	5.74134	5.56991	8.89575	5.3406	4.6236
RUFY2	2.44009	1.94136	2.11312	1.80786	0.674208	1.87801	1.26978	2.23622	2.21125	1.95403	1.93899	1.48074	2.38583	1.86485	2.0605
RUFY3	4.4925	6.23532	6.06829	4.0741	4.06808	3.41394	3.63599	4.89318	3.23618	4.78816	3.48851	4.07239	3.53149	4.04314	3.83301
RUFY4	0.0186187	0.0358831	0.0564766	0.0383742	0.0385617	0.0264226	0.0212582	0.066187	0.0226755	0.0545262	0	0.00444073	0.0160169	0.00973095	0.0534776
RUNDC1	1.58838	1.88811	1.97453	1.88134	2.84687	2.17934	1.70099	1.43818	1.73044	1.65043	1.03219	1.40007	1.73406	1.72556	1.61292
RUNDC3A	0.675362	1.15494	1.13315	3.23484	3.28019	1.67659	0.890574	0.828453	4.6223	3.85621	4.05897	2.57274	2.83538	2.96299	0.464462
RUNDC3A-AS1	0.0182193	0.121756	0.0339126	0.0985714	0.099053	0.0581756	0.0676071	0.072863	0.188607	0.0457342	0.102837	0.068441	0.0323446	0.0714165	0.0523304
RUNDC3B	0.378099	0.342596	0.289448	0.232622	0.157787	0.192207	0.180412	0.461404	0.164949	0.162906	0.305786	0.0969099	0.0910252	0.156319	0.3647
RUNX1	7.07837	3.64795	3.27688	8.34624	5.42324	14.6597	4.05912	5.35004	1.56449	4.94975	8.40615	2.23048	7.27221	5.18014	13.7594
RUNX1-IT1	1.24175	0.650643	0.924534	0.175953	0.337551	0.449366	0.53167	0.524191	0	0.116889	0.350444	0.288763	0.050073	0.835576	3.12078
RUNX1T1	1.98177	0.823403	0.943224	0.421718	1.07544	1.99208	1.21071	1.07733	0.0752286	0.545922	0.993658	0.145485	0.619389	0.595901	1.82593

RUNX2	1.43616	0.784744	0.630553	1.19475	1.02196	1.20921	0.664149	1.03747	0.312685	1.87302	4.32483	0.433434	1.9878	1.24541	4.36121
RUNX3	5.00051	2.26897	3.10057	2.48652	2.20205	4.07182	2.83808	2.82606	0.514401	1.09071	1.75924	0.781597	3.02269	4.34901	4.18331
RUSC1	3.20228	4.05091	3.58893	4.92145	9.33053	6.38307	4.83998	2.39989	7.17899	6.37978	5.44423	5.21433	9.84584	4.93216	5.23653
RUSC1-AS1	0.725838	1.24439	1.21357	1.01796	1.28355	0.863886	1.09006	0.819095	0.543001	0.440414	0.26532	1.0206	0.24767	1.47586	1.23862
RUSC2	3.2608	2.64027	3.4376	4.84893	5.793	6.67085	5.77913	2.00995	5.07964	2.4546	2.91159	1.7291	4.20025	2.90243	5.46149
RUVBL1	2.34234	2.30817	2.18575	6.45287	3.3438	6.75942	2.73216	1.82717	2.95885	3.67878	5.55422	2.9313	6.21473	5.17932	2.82802
RUVBL1-AS1	0.35423	0.246529	0.586089	0.121682	0.489104	0.201082	0.224694	0.419747	0.239674	0.098799	0	0.112649	0.0253942	0.123424	0.0565244
RUVBL2	6.70135	5.76036	5.25837	16.4617	12.3289	19.9809	6.87607	4.41231	8.16146	8.41089	10.7819	6.33228	14.2996	9.83832	5.19568
RWDD1	7.10725	5.285	5.82298	7.53593	2.42497	9.0484	3.79943	6.47456	7.62177	10.1062	17.3295	6.07504	9.29473	5.51099	5.78195
RWDD2A	0.657844	0.52541	0.598145	0.378662	0.24856	0.706489	0.51427	0.447694	0.324802	0.624824	0.896499	0.186586	0.271487	0.337623	1.16604
RWDD2B	2.23758	1.65104	1.8934	3.43908	1.44988	3.16821	2.05844	1.88631	1.69737	3.5787	5.58597	2.01275	2.95335	2.30551	2.73603
RWDD3	1.87528	1.2066	1.51284	2.08776	0.610231	2.04067	0.466315	1.6688	0.989995	2.19466	3.73291	0.481679	1.14152	1.15288	2.07672
RWDD4	3.83815	2.75911	2.89182	5.47586	1.24151	4.47216	2.05576	3.91839	4.25725	6.30547	7.78318	3.52557	6.74904	5.13661	3.92276
RXFP1	0	0.0147524	0.00361852	0.00901515	0.0135888	0.0409688	0.00499414	0.00777457	0.0106542	0.120777	0.291327	0.0438164	0.025399	0.212604	0.201014
RXFP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RXFP3	0	0	0.0151169	0.00941555	0	0.00777971	0	0.0162397	0.0222547	0.0458696	0	0.00653749	0.0530541	0.0429768	0.0524853
RXFP4	0.383698	0.340553	0.23389	0.208112	0.376431	0.18915	0.345864	0.305104	0.0491896	0.0506927	0.0455945	0.0288996	0.0651474	0.211092	0.522037
RXRA	7.86742	16.5907	19.705	15.4327	29.5277	22.1705	17.6393	13.4965	13.7958	9.85029	8.15218	13.7454	16.6276	9.97375	6.98818
RXRB	0.913713	1.0578	0.992693	1.15495	1.66346	1.57671	0.992179	0.629182	0.876228	0.89338	1.06321	0.834827	0.835223	0.864251	0.983696
RXRG	0.12843	0.103132	0.113329	0.0617636	0.0531989	0.393683	0.322601	0.0608735	0.0729928	0.0214923	0.0193308	0.0245053	0.00552415	0.0223743	0.0122961
RXYLT1	2.13333	1.91447	1.92376	2.91738	1.36635	4.13233	1.51225	1.65332	1.84703	2.10651	3.56104	1.49028	2.94199	2.07142	1.87309
RXYLT1-AS1	0	0	0	0.0847232	0.0638528	0.210011	0	0	0	0	0.278426	0	0	0	0
RYBP	3.90139	3.19307	3.4728	4.2242	0.87267	4.05282	2.28069	4.82176	4.42202	5.75193	5.96033	2.598	7.19236	4.27654	3.12268
RYK	8.35984	7.90022	7.72331	8.97195	3.21586	9.23626	4.9073	6.59002	5.51251	8.3189	11.7121	4.13989	8.63398	7.28606	6.0029
RYR1	0.369904	0.360798	0.291083	0.588841	1.02071	0.527508	0.508187	0.20446	0.488959	0.211374	0.185023	0.23993	0.288138	0.146175	0.112292
RYR2	0.404455	0.273912	0.379051	0.0320618	0.369047	0.553912	0.545757	0.170926	0.0533917	0.0550232	0.0909967	0.0961289	0.0437962	0.130823	0.442745

RYR3	0.97482	0.950105	0.592537	0.330776	3.33316	0.311267	0.627769	0.751441	0.736585	0.41032	0.273435	2.15951	0.105464	0.312214	0.452427
S100A1	3.54548	1.483	2.28844	0.281056	4.11539	2.55448	3.11394	3.46256	0.0949011	0.244503	0.131948	0.390291	0	0.325807	0
S100A10	50.7173	41.7595	53.7528	261.351	23.9207	158.787	64.5697	38.7763	32.861	219.573	214.379	110.391	288.431	136.365	85.8789
S100A11	66.7019	86.9152	84.06	550.789	79.5239	281.457	79.9392	79.258	187.999	558.395	576.787	336.598	644.103	321.225	128.917
S100A12	0.248316	0.0239285	0.0410849	18.271	0.385721	1.0149	0	0.441365	3.8105	18.0764	27.0787	14.1075	14.355	8.85105	2.06836
S100A13	8.5177	3.2609	4.11043	8.91712	6.30777	13.0381	6.69081	3.18344	3.11828	11.3329	25.5719	3.43445	8.45873	6.19705	5.5947
S100A14	53.9277	68.8712	53.9869	224.546	164.79	220.577	72.666	37.4292	270.821	421.098	380.892	212.258	438.022	229.896	66.2219
S100A16	41.0931	40.9256	29.9029	192.751	108	147.166	57.6502	27.7159	188.182	259.373	243.29	178.961	332.492	151.887	46.6577
S100A2	40.0312	18.1169	16.1603	452.77	57.1375	473.989	24.666	12.9777	80.2206	492.59	778.554	241.765	558.902	475.512	115.809
S100A3	2.32058	1.54115	1.79003	3.74872	1.31521	12.9237	2.39893	1.28199	0.572879	5.78577	5.59329	3.00673	3.25747	3.86796	2.97236
S100A4	42.4292	19.7906	28.7861	15.0963	31.6786	69.3554	74.2593	19.1088	5.19735	40.2226	118.771	10.5405	32.2468	36.0508	80.1446
S100A5	0.0977875	0.157052	0.215725	0.0671819	0.253163	0.16653	0.186084	0.057937	0	0	0.11039	0	0	0.0681441	0.0468118
S100A6	144.178	51.0352	73.8071	305.994	73.5826	306.121	141.289	56.2824	23.5224	444.379	512.529	83.355	306.703	166.239	215.379
S100A7	519.902	70.4093	53.3808	3957.37	900.607	1147.66	45.625	446.772	5125.87	3350.71	4344.47	2127.87	3896.3	1112.82	158.535
S100A7A	4.84062	0.117266	0.125281	167.698	18.5842	21.1017	0.852187	7.29648	13.6221	14.5408	5.69653	20.2166	90.9034	6.93119	1.1418
S100A8	468.309	28.6297	16.4029	5225.65	411.155	1637.89	28.0982	255.114	1655.46	6160.29	7892.06	2817.2	5305.94	1818.71	460.364
S100A9	675.761	48.4098	37.9593	9262.44	1115.98	3980.07	64.0221	466.104	4824.82	8802.77	10961.9	4677.55	9357.64	3011.9	794.504
S100B	1.97786	1.5326	1.72057	5.46334	1.01354	1.57995	0.977804	2.68194	0.620829	0.614208	2.2788	0.671133	0.907747	0.468903	0.322114
S100G	0.0510884	0.0246152	0	0.210592	0	0	0	0	0	0.0641212	0	0	0	0.106804	0
S100P	3.49415	1.0932	1.46407	17.5365	1.12782	5.06174	1.65798	2.86334	1.87904	15.6625	9.83553	1.55854	3.01563	4.41133	0.456185
S100PPB	2.02739	2.63444	2.59904	2.30615	1.46699	2.05524	1.63502	1.85652	1.26895	1.84315	2.86228	1.44331	1.60947	2.05243	2.95581
S100Z	0.020177	0.0194432	0.0500756	0.020793	0.0626838	0.0343609	0	0.0717266	0	0.0253242	0.0455547	0	0	0	0.173861
S1PR1	7.73204	2.36175	2.74942	4.94197	3.48884	11.6813	4.20184	3.75612	1.67266	4.76179	12.1548	1.66138	8.63109	7.06691	11.9324
S1PR2	2.28794	1.84049	2.19775	2.03316	2.69829	5.99639	3.15418	2.03462	1.69869	2.11616	4.37491	0.766856	2.58105	1.84437	2.87016
S1PR3	1.37468	0.812253	0.703814	1.81265	0.547597	3.16477	0.740859	0.796831	0.23124	2.22349	5.16624	0.509464	1.72082	1.68647	2.64511
S1PR4	0.493331	0.160793	0.180052	1.1065	0.788853	1.16136	0.248501	0.322376	0.123699	1.05625	2.62075	0.249171	0.805099	0.439839	1.18776

S1PR5	1.20787	4.33141	3.41722	2.96457	7.2471	3.58004	1.15802	1.90108	2.13357	1.73587	2.23785	1.92644	1.76682	1.31076	0.529663
SAA1	17.6495	0.188853	0.165558	22.7199	4.30185	134.008	0.328687	2.77028	0.0790621	1.19E-05	0.401253	0.0312982	2.62046	0.222654	0.419533
SAA2	3.11006	0.0280778	0.0519976	1.48565	0.160402	15.2121	0.0240786	0.357307	0	0.0498409	0.0229686	0.0188427	0.42836	0.0667958	0.071292
SAA2-SAA4	9.40E-09	0.00404448	0.0486464	0.12828	0.0509867	0.48355	0.00141712	0.108167	0	2.19E-14	0	1.65E-40	3.60E-05	0.00030831	0
SAA3P	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0
SAA4	0.556825	0.0460526	0.00990213	1.29E-06	0.00392491	1.09898	0.0779346	2.02E-14	0	0	0	0	0.0224113	0.108787	0
SAAL1	2.6	2.03931	1.50063	3.24018	1.36189	3.28219	1.62237	2.23006	1.50962	2.08698	3.44701	1.50344	2.68206	2.36223	1.32424
SAC3D1	1.22583	1.33068	1.24623	3.19618	6.17123	3.18163	1.34902	0.420015	2.73402	2.13171	3.2011	1.73309	4.20224	1.7522	1.12414
SACM1L	3.3874	3.70021	3.53575	5.27402	1.43417	4.31088	2.49928	3.55926	2.39038	4.58917	6.35021	2.90066	4.73401	4.12555	3.58268
SACS	1.80649	1.32458	1.57656	1.73985	0.505464	1.33568	1.10128	1.40835	0.938336	2.82227	2.99967	1.51395	3.4355	3.38149	3.64215
SACS-AS1	0.0517973	0.014974	0.0171402	0.0106757	0	0.0176419	0.118281	0.0184133	0.0126167	0	0	0.014825	0	0.0595574	0.05951
SAE1	6.21452	6.54648	6.23076	14.7489	9.51593	16.7104	6.83312	5.04374	9.57102	10.5736	16.336	6.21135	15.6107	9.73461	6.81739
SAFB	9.19978	11.639	11.5589	12.7387	15.8729	18.4857	6.43256	8.02503	8.92581	7.08271	5.78034	9.36515	13.6294	10.589	7.20354
SAFB2	4.54018	5.33565	5.4366	5.04439	6.92253	7.77262	3.16505	3.92856	2.07691	2.2427	2.34222	3.35899	5.0198	4.69031	3.96186
SAG	0.0396965	0	0.0109466	0	0	0	0	0	0	0	0	0	0	0	0
SAGE1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAGE2P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SALL1	0.246111	0.0790533	0.0892984	0.307019	0.456071	0.459562	0.118316	0.161164	0.0420681	0.287217	0.570279	0.151383	0.289721	0.676991	0.837109
SALL2	0.697714	0.486283	0.548157	0.34368	0.558936	1.07983	0.716464	0.397781	0.0908524	0.308424	0.579579	0.0847755	0.237821	0.266038	0.731023
SALL3	0	0	0	0.00429722	0	0.0284051	0.0190443	0	0.0355494	0.0575704	0.00941464	0.038788	0.255589	0.102431	0.00598853
SALL4	0.119912	0.0924408	0.0793598	0.0939155	0.12666	0.183787	0.109529	0.0468899	0.0175247	0.0541808	0.222	0.0377522	0.0309467	0.155425	0.454632
SALRNA1	0.0385396	0	0	0	0	0.032816	0	0.0342508	0	0.0241856	0	0	0	0.0201425	0.0830217
SALRNA2	0.0336056	0.183506	0.203873	0.103895	0.0696015	0.0286147	0.191849	0.069687	0.0136426	0.0984164	0.0126455	0.0641219	0.0216822	0.187347	0.17696
SALRNA3	0	0.0436853	0.112511	0.023359	0.0704195	0.0772028	0.051761	0.0402892	0	0.0284495	0	0	0.0292493	0.0710807	0.0651055
SAMD1	5.28004	5.91949	6.20222	15.4522	15.6579	10.5391	6.85066	4.88544	7.30739	8.40567	9.09559	8.19387	15.8019	7.41862	4.90749

SAMD10	1.05051	1.57981	1.53621	2.00113	3.64272	3.9665	1.46598	1.22595	2.85604	2.14422	2.45564	2.20186	3.01237	1.33656	0.899103
SAMD11	0.122891	0.294944	0.46093	0.0532173	0.574652	0.279007	0.234667	0.153763	0.314805	0.242804	0.401726	0.0787038	0.160816	0.168989	0.310808
SAMD12	0.385913	0.293538	0.234985	0.165538	0.146061	0.276892	0.32208	0.282035	0.0644161	0.0614671	0.0906679	0.0714858	0.0682509	0.141289	0.109719
SAMD12-AS1	0	0.0636273	0.0273118	0	0	0.0843338	0	0.0293404	0	0	0	0	0.0213007	0	0
SAMD13	0.141194	0.0742141	0.0530936	0.0396832	0.0598156	0.0109296	0.117245	0.182519	0.109428	0.112772	0.173881	0.091844	0	0.0469601	0.258075
SAMD14	0.315587	0.381827	0.371308	0.361357	0.958644	1.33165	0.512465	0.417585	0.102493	0.528126	0.910439	0.230829	0.375557	0.758721	0.886302
SAMD15	0.250844	0.273249	0.0992466	0.325937	0.118588	0.371461	0.112072	0.0872331	0.212521	0.123196	0.295483	0.234111	0.175916	0.188103	0.234941
SAMD3	0.105999	0.0638397	0.0949971	0.118338	0.0823263	0.323419	0.040342	0.133454	0.0107579	0.0332598	0.119659	0.031602	0.0227966	0.0184665	0.431311
SAMD4A	2.96714	2.39588	3.72269	1.43754	1.48365	4.38785	3.61262	1.74144	0.95138	2.05153	2.42693	1.05684	3.71439	3.79116	9.92229
SAMD4B	7.16052	8.71929	9.19617	14.0638	15.6855	19.1457	12.3398	7.60256	20.2355	14.5591	13.7393	13.8652	26.4118	13.7194	14.0807
SAMD5	0.300084	0.382621	0.408705	0.780655	0.335389	0.548428	0.146243	0.471585	0.27633	0.312332	0.640334	0.290655	0.420281	1.23557	1.49784
SAMD7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMD8	3.06088	2.53115	2.54856	3.98793	1.01041	3.09268	2.17529	3.1692	4.44756	3.78783	4.69283	2.31533	3.50023	3.06837	3.02535
SAMD9	1.2424	0.938577	0.723369	7.13914	0.503445	4.2085	0.551223	1.35617	3.44558	21.3987	7.07741	3.71767	28.7202	5.14173	4.0776
SAMD9L	1.1691	1.16548	1.08739	2.64256	0.456513	3.21191	0.516237	0.995949	0.110131	1.22008	1.67706	0.242638	1.22105	0.60596	2.26338
SAMHD1	8.33281	3.39736	4.3888	11.4615	2.98025	14.3941	4.2748	6.07398	0.564012	5.0973	9.08858	1.37021	8.97227	4.33822	9.89089
SAMM50	8.8961	6.7628	6.83614	12.2643	7.32904	15.0488	8.81803	6.53572	6.90195	7.12939	11.2775	5.88446	11.4794	7.59073	6.24601
SAMMSON	0.0342691	0.0440303	0.00944993	0.0117718	0	0.00972656	0.0260849	0	0	0	0.0128952	0	0	0	0
SAMSN1	0.891923	0.38903	0.326213	3.15415	0.218757	1.76674	0.203674	0.617446	0.125778	3.88863	6.18958	0.288867	3.10144	0.765481	2.83149
SAMSN1-AS1	0	0	0	0	0	0.0234595	0	0	0	0.0345797	0	0	0	0.0143995	0
SAP130	3.43903	3.66225	3.73326	3.20989	2.44395	4.89256	4.54561	3.34447	4.47967	3.24893	3.37221	3.57507	4.61946	2.83636	2.76333
SAP18	14.2117	10.6564	11.6155	17.7654	6.35867	22.1125	8.37162	9.72515	13.4375	15.8679	23.7413	10.4927	17.3717	10.8918	8.59436
SAP25	0.868336	1.16418	1.21807	1.03102	4.69157	2.2985	1.0992	0.939467	0.11495	0.379079	0.234406	0.91847	0.0852549	0.897795	1.16571
SAP30	3.6311	1.02558	1.50195	2.68819	1.68562	3.82037	0.929247	1.63206	0.508307	2.38347	4.42887	0.403161	1.34642	1.18883	0.629363
SAP30BP	4.99371	5.28545	5.21472	8.47006	7.33733	9.90531	4.71088	3.90689	7.91633	8.30202	8.06777	6.23245	11.2346	6.90558	5.51393
SAP30L	4.52967	3.38666	3.65263	3.16906	4.54739	5.59523	3.60384	3.02165	3.37654	2.70593	4.56747	2.22414	2.66766	2.57192	3.40898

SAP30L-AS1	1.38858	0.762771	0.843515	0.476992	0.906544	0.525493	0.758254	1.06117	0.106207	0.353615	0.181743	0.883172	0.173122	0.950116	1.24275
SAPCD1	0.0985763	0.493149	0.729336	0.00246987	0.254004	0.030116	0.908693	0.136417	0.0665897	0.0286723	0.0252541	8.77E-06	0.0124927	0.029839	2.01E-08
SAPCD1-AS1	0.0661632	0.161582	0.14307	0.101266	0.0850184	0.0905266	0.523928	0.0374428	4.21E-26	0.0228716	0.0108615	0.0630987	0.0325694	0.0111145	0.0713687
SAPCD2	2.68684	1.02692	1.10887	1.6551	1.79136	3.04356	1.07543	0.767328	0.720635	1.40953	1.04284	0.972054	1.92831	2.6602	0.442226
SAR1A	13.3915	9.98149	10.2056	18.1183	5.70081	22.4645	8.75924	10.113	11.6377	17.602	26.177	9.18847	21.7631	14.0767	18.8748
SAR1B	5.24381	4.55878	4.69501	4.81943	1.53504	4.99545	4.1875	4.98196	8.41195	5.44172	6.39883	5.02195	6.66798	4.49975	3.99775
SARAF	25.2808	20.2674	23.1969	25.8193	14.5965	31.4666	21.2497	22.7913	28.7874	26.9171	35.545	20.4552	32.3664	19.1955	21.4841
SARDH	0.113023	0.0704725	0.1265	0.0822163	0.454399	0.141525	0.091091	0.100445	0.024291	0.125166	0.247672	0.0523281	0.111527	0.118141	0.525136
SARM1	1.27623	1.00715	1.37978	0.681098	1.80288	1.56544	1.79765	1.14832	0.222821	0.407059	0.47424	0.195761	0.44998	0.68107	1.42262
SARNP	7.18013	5.81004	5.8419	11.8358	5.90421	12.3794	3.83271	4.50597	8.55224	14.5903	26.418	6.90414	13.3089	8.86623	5.06519
SARS	8.56519	8.87085	8.72965	13.8714	12.3897	16.0916	9.3259	6.75197	26.1115	16.8004	14.889	12.8327	26.5092	11.9709	6.98298
SARS2	2.05861	2.20299	2.06156	4.06426	3.41652	4.10543	2.51127	1.37695	1.90015	1.94462	3.60455	2.47307	2.80062	3.06096	1.91389
SART1	5.06435	5.3849	5.36459	7.48404	11.7601	12.072	4.62291	3.55835	3.96837	3.36367	2.49575	5.30216	8.5129	4.62527	4.36567
SART3	4.69216	4.71033	4.86306	6.05245	5.17437	7.02562	3.70661	4.19353	3.42484	2.78505	2.83974	2.78138	4.97498	4.01894	4.31236
SASH1	11.1993	8.84694	10.1277	9.68428	12.8067	15.3633	11.7582	9.58373	16.3924	7.87952	8.63832	9.01616	11.162	6.9281	9.54154
SASH3	0.971097	0.463749	0.732266	2.15204	2.08246	3.62948	0.60835	0.59572	0.16746	1.81206	3.37606	0.295156	2.93313	0.821942	2.28322
SASS6	0.561669	0.447353	0.412498	0.998161	0.133541	0.74666	0.294472	0.529725	0.230343	0.44599	0.478776	0.274761	0.924453	0.590101	0.510315
SAT1	58.9592	27.4777	12.4358	199.523	30.9216	146.718	16.9184	13.0649	48.6537	115.843	137.764	47.2667	142.621	63.6996	47.1241
SAT2	4.35108	4.90676	5.15608	8.55581	13.9193	15.16	6.33746	3.21892	6.78862	6.90749	16.0365	5.4525	7.90596	6.09694	6.45136
SATB1	1.18013	1.61935	1.26647	1.02	1.68109	1.74346	1.13631	1.05847	1.28162	1.17402	2.02596	0.879434	0.861414	1.03746	2.25715
SATB1-AS1	0.0549064	0.0132274	0	0.084874	0	0.11688	0	0	0	0.137826	0.0929737	0	0	0.057393	0.197131
SATB2	0.621171	0.441808	0.62644	0.576121	0.776509	1.13843	0.570763	0.420606	0.212545	0.523469	0.86818	0.317474	0.488566	0.660122	1.70344
SATB2-AS1	0.00697921	0.00336269	0	0	0	0	0	0	0	0	0	0	0	0	0.010023
SATL1	6.98E-41	8.36E-39	2.80E-44	1.21E-38	8.76E-21	2.20E-31	4.20E-45	0	4.16E-37	8.28E-40	8.63E-35	2.27E-39	6.35E-37	1.68E-38	1.64E-43
SAV1	7.18385	5.14401	5.81498	6.76536	2.63238	9.53618	4.67741	5.31707	3.9214	5.44687	7.91837	2.83636	6.04687	4.30912	6.20073
SAXO1	0.0700395	0.106059	0.132438	0.0103111	0.0932533	0.00851967	0.0799688	0.097814	0	0.0376743	0	0	0	0	0

SAXO2	0.143783	0.170305	0.109035	0.0493908	0.102366	0.0816195	0.0684028	0.127782	0.00729631	0.0451156	0.0473413	0.0471536	0.069576	0.0688849	0.232302
SAYSD1	1.4228	1.07949	1.15916	1.3289	0.760947	1.95373	1.25025	1.13002	0.710673	0.999123	1.86234	0.628873	0.957493	0.999649	0.99321
SBDS	20.8527	16.2531	17.9185	26.7642	11.0985	28.8643	12.8794	14.9914	48.8898	34.4241	34.6236	21.6456	54.35	23.2835	18.087
SBDSP1	4.98444	3.45947	4.4306	3.08171	0.903466	4.7383	2.23226	3.29757	2.98403	4.24516	6.62709	2.2393	4.46093	3.34391	2.27105
SBF1	6.31096	9.99171	10.5178	10.3833	24.6684	15.9938	12.6558	6.26759	21.2311	9.70274	4.91173	13.3886	19.6711	10.6491	7.94486
SBF1P1	0.0113354	0.00182052	0	0	0.0117385	0.00965192	0.0388271	0.00671596	0	0	0	0	0	0	0
SBF2	7.7481	6.20488	7.00488	5.88214	3.83626	7.61121	6.5345	5.98005	3.07686	4.70585	4.93637	3.30008	4.11045	4.44789	5.89944
SBF2-AS1	1.60227	1.2827	1.3451	0.751101	0.320691	0.616897	1.27219	1.29957	0.89436	1.00633	1.31613	0.66352	0.943848	0.721199	0.461235
SBK1	0.463603	0.274746	0.322161	0.124217	0.331262	0.714501	0.561086	0.222486	0.0395231	0.0232748	0.020934	0.0398064	0.137593	0.0242299	0.0932109
SBK2	0	0	0	0.0449145	0	0	0	0.0193669	0	0	0	0	0	0	0
SBK3	0	0.0439349	0	0.037588	0.0566574	0.263989	0	0	0	0	0	0	0.082366	0.0285947	0.026191
SBNO1	4.87242	5.05124	5.35359	5.09572	2.42478	5.85873	3.39438	4.81158	4.04508	4.57318	3.89042	3.69236	6.7666	4.31713	3.83566
SBNO2	5.93292	8.11552	8.64734	35.3541	20.3665	35.0132	7.21873	7.32151	7.42971	15.342	8.0116	15.0173	33.8268	18.5315	17.8797
SBSN	143.397	242.916	264.424	492.893	521.657	302.397	194.778	154.693	1006.05	523.901	458.731	563.953	1006.06	260.155	90.0872
SBSPON	1.51728	0.487365	0.509137	0.219783	0.596313	3.81875	1.01577	0.752738	0.111318	0.0917754	0.179888	0.0917749	0.216232	0.149682	0.568816
SC5D	2.46078	2.94621	2.62695	4.90188	1.09719	3.63448	1.49159	3.34217	2.40623	3.95843	4.11032	2.55669	4.5065	2.02467	1.17026
SCAANT1	0.726057	0.918291	0.525564	0.374111	0.422931	0.154557	0.207247	0.806573	0	0.569547	0.717174	0.194817	0.117112	0.806371	1.17305
SCAF1	7.12589	7.56477	8.13675	12.1985	22.0629	18.7237	10.3049	5.38392	8.97261	6.12187	4.05241	8.03593	18.3107	8.6433	8.19157
SCAF11	10.8098	10.6941	10.8658	12.1571	4.07007	13.0647	5.70154	9.29265	10.0705	11.2387	9.28292	8.23396	14.5799	10.0319	9.753
SCAF4	6.45666	6.55098	6.83482	6.70402	5.86943	9.42599	6.78399	6.47522	6.21286	4.55198	4.42466	5.51207	8.64636	5.55332	4.58568
SCAF8	10.1458	8.75096	9.51976	8.62499	5.87398	11.4835	7.991	8.85222	6.06006	5.58151	5.74156	5.17188	8.653	6.00283	7.44986
SCAI	0.775387	0.868492	0.892401	0.439706	0.402964	0.546784	0.714362	1.02787	0.394737	0.384032	0.445055	0.427113	0.27271	0.394665	0.476361
SCAMP1	2.40456	2.33274	2.39233	3.62802	0.793881	2.85384	1.90797	3.18243	5.0216	4.07193	5.04057	3.57187	4.12192	2.7609	2.49709
SCAMP1-AS1	0.955584	1.10787	0.765823	1.86181	0.718983	2.07231	0.579623	0.92886	0.436423	1.01196	1.26414	0.373924	0.90554	0.639895	0.814827
SCAMP2	11.8658	14.7629	14.7132	21.5713	25.9655	27.4416	19.0956	10.7831	29.3253	25.8698	29.5364	27.7471	37.4605	14.3737	13.9296
SCAMP3	8.37687	7.43372	8.62282	12.8351	11.8001	20.9473	10.573	6.71194	9.96892	9.29425	14.2262	8.53257	14.3711	8.90248	5.87768

SCAMP4	6.30627	7.03438	7.04613	15.1075	14.3397	19.7485	11.0902	6.95788	8.22513	8.17413	12.1402	8.44476	15.9861	7.3427	7.27737
SCAMP5	0.817198	0.289792	0.405626	0.40423	0.670238	6.47409	0.686725	0.447375	0.151279	0.836945	2.15499	0.0888785	1.04185	0.416853	0.722938
SCAND1	6.05398	4.91073	5.36329	7.77089	14.2845	13.0896	7.19222	4.12714	9.68764	6.71349	15.5196	5.0775	8.42512	6.01575	5.8989
SCAND2P	2.30291	1.97411	2.27173	1.21333	2.80544	1.40462	2.16966	1.87817	0.490792	0.924168	0.782759	0.985073	0.410324	1.15862	1.24342
SCAP	9.06083	11.7595	12.0579	13.8473	23.9293	16.6491	11.7692	8.32726	17.0644	8.56847	7.49866	10.7124	12.5948	9.10577	7.2422
SCAPER	5.14643	5.34831	4.69508	3.61493	1.61861	2.22832	2.6156	4.06122	3.76357	3.14479	2.402	5.30735	3.40769	3.26555	1.54787
SCARA3	4.73489	2.2697	3.03771	3.42931	2.73934	8.37706	5.98541	1.84636	0.426609	1.6373	3.70886	0.211747	2.45876	1.01322	3.53874
SCARA5	12.4719	9.74307	16.1153	0.844589	0.840055	1.40995	15.6023	4.60802	0.0746909	1.49748	1.60492	0.283238	1.81296	1.91443	4.39575
SCARB1	4.05974	3.52982	4.17545	4.75776	7.09283	12.3611	8.85614	3.83299	2.31283	3.22037	5.24988	1.39505	3.39261	2.87169	1.92727
SCARB2	15.9147	12.1144	11.7796	18.2258	10.4372	29.3622	11.5906	14.0786	12.4995	17.5483	29.0141	7.47905	16.8868	12.202	19.2359
SCARF1	1.54802	1.02115	1.34488	2.39838	4.07261	4.49846	1.10288	1.057	0.504173	2.07832	2.44789	0.658241	2.69212	2.09047	4.01063
SCARF2	1.99237	1.20153	1.33167	1.86962	14.5826	13.4369	2.59871	1.2547	0.594566	3.98277	8.66139	0.925215	2.25594	4.35826	9.5787
SCARNA1	0	0.537382	0.461339	0	0.866245	0	0	0.495605	0	0.524944	0	0	0	0.14573	0
SCARNA10	665.538	442.513	474.462	416.428	230.401	262.269	441.681	457.411	259.308	355.341	829.291	143.265	171.353	140.162	187.03
SCARNA11	0.168927	0.162784	0	0	0.262403	0.287679	0	0.600514	0	0	0.190698	0	0	0.0882888	0
SCARNA12	91.8865	88.7924	84.6659	98.1366	57.7849	62.3294	102.173	62.0837	87.2711	58.9545	150.561	57.2222	57.515	68.7208	30.6513
SCARNA13	310.887	200.733	182.962	201.672	178.793	100.829	261.517	138.817	176.423	208.921	459.504	87.8882	108.947	98.8591	111.312
SCARNA14	0	0.0813918	0	0	0	0	0	0	0.617204	0	0	0	0	0	0
SCARNA15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCARNA16	1.73263	1.07333	1.53574	1.0203	3.2681	1.47532	2.26088	3.51959	2.11015	1.55331	1.67651	0.53132	0.87834	1.42301	0.533203
SCARNA17	83.0071	75.7504	70.261	58.6892	139.271	66.2328	53.1618	61.7029	26.5119	29.7369	26.3738	43.4244	12.7683	35.0513	29.6838
SCARNA18	0.518128	0.166428	0	0	0	0	0	0	0	0	0	0	0.111431	0.0902654	0
SCARNA18B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCARNA2	933.271	814.052	906.269	740.984	1167.58	475.806	738.236	467.766	456.674	457.005	1144.49	310.451	347.982	435.901	297.07
SCARNA20	0	0.0857744	0	0	0	0	0	0.316425	0	0.223438	0	0	0	0.279129	0
SCARNA21	6.20502	4.60571	7.07553	4.83905	8.85704	2.28475	7.46765	5.51451	2.65517	2.52582	9.27649	2.15993	2.81323	1.57768	3.3718

SCARNA21B	0	0	0.137738	0	0	0	0	0	0	0	0	0	0	0	0
SCARNA22	0.925722	0.892054	0.153165	0.763187	1.72556	0	1.05696	2.13903	0.90194	0.697126	1.88104	1.32476	1.07509	0.387058	0
SCARNA23	0.356047	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCARNA26A	7.19311	7.30821	5.69192	5.6401	4.61509	2.13038	7.14162	3.19632	6.85596	7.26173	9.53232	4.13987	3.63205	2.4518	1.12285
SCARNA26B	0	0.0748367	0.513975	0	0.241269	0	0	0.276075	0	0.389891	0	0	0	0	0.223063
SCARNA27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCARNA28	95.316	96.735	95.1357	39.2166	11.3036	18.6902	101.337	193.908	22.81	25.0043	56.1566	13.1451	11.3143	14.7142	17.8174
SCARNA3	0.482147	0.15487	0.265911	0	0	0	0	0	0	0	0.181428	0	0	0.083997	0
SCARNA4	0.179403	0.0864393	0.29683	0.369761	0.278676	0	0	0	0	0	0	0	0	0	0
SCARNA5	60.8546	61.3688	63.4972	28.7396	45.2597	28.8502	73.3788	159.14	12.9776	18.076	61.461	14.8916	29.971	15.4893	19.0093
SCARNA6	25.1441	22.9721	25.7673	12.1041	27.57	13.7053	30.2982	58.5327	5.40401	4.25876	13.161	4.60677	5.38891	5.0474	4.12331
SCARNA7	268.109	213.248	202.943	167.598	109.917	85.2733	268.644	543.608	165.612	188.453	494.883	109.443	110.088	90.3502	104.543
SCARNA8	0.176665	0	0.584597	0	0	0	0.40342	0.157005	0	0	0.199432	0	0.113983	0	0
SCARNA9	53.17	35.9159	28.0404	37.9702	5.29563	7.59211	43.7156	70.734	17.0072	14.976	22.0551	8.91303	4.65296	19.4283	6.02585
SCARNA9L	3.32515	2.59542	1.65048	2.6728	0.723115	1.75542	3.94841	4.60998	2.4298	3.83953	1.80177	1.66546	0.343259	2.85011	2.19666
SCART1	0.777692	0.746824	0.922892	0.132651	1.46629	0.31968	1.05329	0.900876	0.0914482	0.195217	0.0726553	0.237934	0.0588274	0.291527	0.816466
SCCPDH	3.28211	1.34259	1.84107	2.11996	2.01896	5.93171	2.21001	3.36561	0.501078	2.87535	6.40737	0.414823	1.56256	1.56387	3.22292
SCD	9.60767	8.21618	5.74577	60.7667	14.0891	47.0306	8.39885	7.98932	80.928	118.945	38.5577	66.0804	101.382	52.176	10.4487
SCD5	1.11565	0.592072	0.77581	0.627868	0.820451	1.56951	1.26162	0.546043	0.498861	0.764392	1.78876	0.239098	0.709381	0.74126	1.23843
SCEL	10.4523	26.58	33.5443	7.99915	5.20404	5.29607	18.8969	22.8889	52.0566	31.5674	21.9633	15.0402	40.3191	9.36965	3.16292
SCEL-AS1	0.244039	0.568312	0.370125	0.293404	0.189539	0.0692654	0.417954	0.506057	0.0990708	0.204196	0	0.0873083	0.0524843	0.127546	0
SCFD1	8.10762	6.00052	6.37353	8.54218	2.00501	7.27277	4.24856	6.76626	8.95311	11.796	13.6377	6.75367	11.8153	7.75809	7.90721
SCFD2	4.41862	3.53772	3.83032	4.72634	4.55311	4.65022	4.22917	3.25946	2.16676	2.10485	3.24307	2.42601	2.96377	3.02199	3.23567
SCG2	1.25973	0.0303479	0.0372192	0.157637	0.531131	7.70771	0.102737	0.415831	0	2.73303	5.5969	0.0901371	0.754717	0.855907	3.23059
SCG3	0.125853	0.047163	0.133036	0.0648478	0.0434431	0.0476278	0.0798308	0.0683516	0.0085153	0.0087755	0.0236788	0	0	0.0328883	0.0803295
SCG5	0.160098	0.0342834	0.0588641	1.20989	0.0552639	1.39351	0.0609316	0.126473	0.151652	1.60752	3.49413	0.101826	0.837832	0.585719	0.459842

SCGB1A1	0.409612	0.0740089	0.0423574	0	0.0795335	0	0	0.0910072	0	0	0	0.036636	0	0	0
SCGB1B2P	21.0721	3.64782	5.19598	0.466496	4.32445	3.02576	10.7117	14.2113	0.192958	0.326689	0.459913	0.348194	0.124127	0.348968	0.552585
SCGB1C1	0	0	4.99E-06	0	0	0	0	0	0	0	0	0	0	0	0
SCGB1C2	0	0	0.0534732	0	0	0	0	0	0	0	0	0	0	0	0
SCGB1D1	0	0	0	0	0	0	0	0.0479432	0	0	0	0	0	0	0
SCGB1D2	23.8828	12.3981	16.7414	0.163353	6.0736	6.70364	23.7695	16.0596	0	0	0	0.037807	0	0	0
SCGB1D4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCGB2A1	1.46587	0.278232	0.220486	0	0	0.264764	0.202871	0.710589	0.162297	0	0	0	0	0	0
SCGB2A2	102.223	38.5646	63.1123	0.188534	6.6783	37.2701	48.2003	60.646	0	0	0	0	0	0	0.919583
SCGB2B2	0.677949	0.433236	0.407352	0.117667	0.266044	0.170141	0.562212	0.551768	0.0260737	0.0358272	0.048336	0.117443	0.0828776	0.100703	0.15373
SCGB2B3P	0.257145	0.247793	0.212728	0	0.399435	0	0.4404	0.342794	0	0.322743	0	0.0919971	0	0	0
SCGB3A1	0.14899	0	0.16434	0.153538	0	0.0422876	0.226815	0.088273	0	0	0.112127	0.0710707	0	0	0
SCGB3A2	0.178711	0.193738	0.406566	0	0	0	0.0510116	0.277941	0.0544124	0	0	0	0	0	0.0641628
SCGN	0.0469433	0.00753933	0	0.032251	0	0.0666194	0	0	0	0	0	0.0111964	0	0	0
SCHIP1	0.136839	0.11552	0.0831118	0.109496	0.0988267	0.0456311	0.0688493	0.155245	0.0924505	0.173157	0.762226	0.0509048	0.173869	2.14803	0.132378
SCHLAP1	0.101486	0.0843436	0.046516	0.0446403	0.24102	0.0472487	0.143655	0.112402	0.0168272	0.0357638	0.038203	0.0335563	0.035658	0.0436404	0.0396852
SCIMP	0.278826	0.201904	0.189662	0.140486	0.313116	0.395725	0.172002	0.21114	0.0331752	0.204684	0.461897	0.0684812	0.240112	0.0872623	0.281664
SCIN	1.11609	0.618918	0.731678	0.549763	0.403433	0.794934	0.969761	0.673735	0.239368	0.149772	0.150557	0.13561	0.140396	0.0403552	0.534282
SCLT1	1.51893	1.35232	1.08584	1.57806	0.602679	1.57451	0.655062	0.902378	0.919917	1.44535	1.94766	1.13999	1.31023	1.42377	1.32779
SCLY	0.845074	0.75982	0.818732	1.31222	0.618981	1.21817	0.988874	0.642544	0.853582	0.808391	1.36979	0.463181	1.37586	1.05962	0.907663
SCMH1	3.36734	2.87587	3.00278	4.48389	3.12118	6.66563	3.22665	2.32127	0.902589	1.85132	3.92585	1.46259	2.40445	2.90841	3.89074
SCML1	1.32381	1.44651	1.38197	0.950085	0.403923	1.34862	1.02565	1.4356	0.499031	1.19669	1.75238	0.60329	1.00664	1.0337	1.30139
SCML2	0.270131	0.321399	0.296442	0.244291	0.0770706	0.159601	0.365077	0.230271	0.107425	0.0830307	0.230264	0.134117	0.17073	0.0950819	0.118758
SCML4	0.391781	0.130338	0.189063	0.0720967	0.137653	0.11517	0.133132	0.286007	0.0113606	0.0234155	0.0631817	0.0166863	0.0240738	0.0390022	0.241134
SCN10A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCN11A	0.119345	0.0926428	0.106958	0.047829	0.0514957	0.0818614	0.0908431	0.0559783	0	0.0332868	0.0299391	0.0118604	0	0.0190591	0.233288

SCN1A	0.0393715	0.038408	0.0352714	0.0107649	0	0.172107	0.0119269	0.0301714	0	0	0.00294805	0.00373719	0	0.00409464	0.0300035
SCN1B	0.61007	0.17751	0.229406	0.408244	0.584589	2.61422	0.619665	0.246445	0.0771945	0.437543	1.279	0.104879	0.462625	0.337483	2.74789
SCN2A	0.106275	0.220817	0.353893	0.00815329	0.011734	0.094536	0.0612558	0.0947715	0.0183999	0.0316036	0.0483229	0.0108102	0	0.00131602	0
SCN2B	0.141059	0.047575	0.0427877	0.0581461	0.306758	0.112102	0.0751597	0.104468	0.0171794	0.053113	0.0477714	0.0201863	0.0788757	0.0786384	0.222836
SCN3A	0.383438	0.229879	0.248112	0.0511971	0.215534	0.197525	0.145668	0.181673	0.01529	0.0881542	0.104312	0.0628818	0.0935936	0.173533	0.217595
SCN3B	0.328108	0.457718	0.432401	0.864969	0.574855	1.18898	0.453032	0.26447	0.538993	2.3272	0.658955	2.32859	3.62089	1.43169	0.739681
SCN4A	0.0800592	0.0157152	0.0147179	0.0122227	0.0690887	0.113616	0.0169276	0.0263518	0.00361123	0	0.00334729	0	0.00382621	0.00154972	0.0723918
SCN4B	0.773197	0.673345	0.619777	0.821546	2.73031	1.69703	1.28858	0.687152	0.567339	1.10908	0.834892	0.553242	1.15884	0.973872	1.46215
SCN5A	0.0323039	0.0505847	0.0668102	0.047161	0.0669055	0.137532	0.132166	0.0598104	0.0229498	0.0608171	0.0516617	0.0173357	0.0798955	0.0253251	0.0463925
SCN7A	0.416447	0.0321654	0.0736368	0.0131042	0	0.192188	0.210521	0.101708	0	0	0.0107661	0.00682396	0	0	0
SCN8A	0.0635798	0.0804135	0.0624598	0.0716634	0.123452	0.153953	0.0499079	0.0723963	0.0604946	0.157105	0.246722	0.160647	0.106399	0.2108	0.174057
SCN9A	0.392683	0.187686	0.263936	0.191023	0.0940785	0.310524	0.512708	0.398073	0.0115515	0.0953174	0.179093	0.0540717	0.157927	0.129473	0.15548
SCNM1	2.96858	2.5179	2.23531	3.59845	3.97802	5.70204	2.54435	1.4488	4.2345	4.29964	6.27054	3.89702	4.06211	2.42488	2.58081
SCNN1A	9.20408	13.0585	12.3331	7.34458	21.1536	11.0492	11.1103	11.0693	35.3753	11.7645	8.22329	14.1985	19.7492	4.1711	1.78269
SCNN1B	6.98658	5.71059	4.09893	8.42128	11.3924	7.29964	6.93922	4.12619	30.226	9.39523	23.1982	14.4808	9.61337	8.80736	1.59975
SCNN1D	0.356164	0.427187	0.545404	6.94242	1.49494	0.838828	0.354742	0.276121	3.2025	9.42545	14.4143	20.7733	49.302	12.0834	1.71949
SCNN1G	2.7515	0.956045	0.771513	5.56195	1.20207	2.04438	0.596598	1.14624	3.31074	2.63987	5.42075	3.10934	2.1764	3.26328	0.379953
SCO1	4.53889	3.64272	3.85313	5.86042	4.22208	6.696	3.8717	4.01033	2.49075	4.53754	8.05813	2.45465	6.41028	4.00657	4.39614
SCO2	0.624082	0.775978	1.68288	5.26907	4.26528	6.58569	0.606026	0.626208	4.27736	6.34734	6.98644	4.92076	7.29067	4.35072	1.8091
SCOC	3.82107	2.64296	3.06328	6.17046	0.443628	4.45273	2.24885	4.97125	4.76156	6.05657	7.7376	3.28371	6.98302	3.86543	3.50749
SCOC-AS1	0.149162	0.0773969	0.0284763	0.0118243	0	0.205169	0.157208	0.0815771	0	0.014401	0.0647636	0.00820995	0.0148059	0.0179904	0.0988687
SCP2	10.5105	7.98874	7.62009	11.5782	5.87817	14.0883	6.74167	7.96018	17.7193	12.9148	20.1169	8.77403	10.4204	8.08263	7.36589
SCP2D1	0	0.0167428	0	0	0	0.0295886	0	0	0	0	0	0	0	0	0
SCPEP1	18.443	10.95	10.0896	9.69924	16.1355	18.0748	9.08876	11.0399	12.7958	7.46707	16.5753	6.17255	5.36623	5.87055	8.11685
SCRG1	0.386855	0.109643	0.0564766	0.0234509	0.0706965	0.368155	0.155894	0.323581	0.0277145	0.0571227	0.2312	0	0	0.0951471	0.294127
SCRIB	6.87905	10.9605	9.76746	17.99	43.4708	18.6945	9.56094	7.13059	12.3102	8.80084	4.61626	17.775	18.3596	13.2966	6.61803

SCRN1	3.28886	2.86598	3.42427	3.56111	2.84253	4.50771	2.7985	2.36351	2.10174	5.92762	5.84905	3.29283	9.02027	6.35507	5.48951
SCRN2	3.19259	3.9459	3.78944	4.60347	8.97749	8.38092	3.94775	2.36629	3.79599	2.48657	3.81771	3.48525	3.54977	2.7502	2.71835
SCRN3	1.48577	1.95037	1.78726	2.54666	0.624076	1.63302	1.07323	1.89979	1.96644	2.16924	2.26771	1.54584	1.96123	1.60059	0.958008
SCRT1	0	0.0177089	0.0101353	0.0378765	0.0666077	0.020864	0.00699417	0.0108881	0	0.0153769	0	0.0262988	0	0	0
SCRT2	0	0	0	0.013335	0.0100501	0.192818	0	0.0114999	0	0.0243614	0.0511265	0.00462943	0	0.00676297	0
SCT	0.0400399	0.154335	0.43061	0	0.310979	0.306841	0.411446	0.213505	0	0	0.1808	0.0859488	0	0.0627798	0.287512
SCTR	0.0888653	0.0733999	0.0315067	0.0261652	0.157758	0.0756676	0.115958	0.078976	0.0154611	0.0159336	0.0286622	0.0181673	0.0163815	0.0331749	0.0182317
SCUBE1	0.185479	0.057656	0.0494973	0.0369952	0.0650579	0.147744	0.14346	0.0159521	0.058295	0.0525668	0.0337715	0.115591	0.0926481	0.237659	0.206223
SCUBE2	2.50541	1.98586	1.841	1.20994	2.43426	3.76886	2.66988	2.43179	0.317096	0.468598	0.865124	0.298781	0.21553	0.611069	1.29107
SCUBE3	0.816142	0.420699	0.553541	0.148422	0.428799	1.2749	1.1374	0.474658	0.036543	0.0979152	0.077906	0.115936	0.0290389	0.345005	0.715315
SCX	0.357644	0.255698	0.238604	0.237783	0.716833	0.47153	0.289794	0.0922774	0.0983547	0.564721	0.221404	0.321944	0.186089	0.307514	0.596465
SCYL1	7.91684	7.77659	7.8527	13.5155	16.1835	20.8406	9.4105	5.65986	20.2305	12.6596	14.6668	9.76654	19.7999	11.331	10.258
SCYL2	3.61505	3.67889	4.15519	6.52245	1.5336	3.95715	2.7474	4.09351	7.95509	7.1946	7.03463	4.201	10.6591	5.62692	4.47464
SCYL3	2.70376	2.81834	2.53416	3.34974	2.46642	2.85704	2.30034	2.09669	2.48106	3.00809	3.15368	2.35262	2.74473	2.00028	1.92534
SDAD1	4.64503	4.65571	4.31761	7.76797	1.9457	7.44054	2.7071	3.93593	4.28596	4.65086	6.60714	3.37696	8.4906	4.44625	4.41153
SDAD1P1	0.364687	0.253025	0.356	0.195427	0.215264	0.428526	0.258161	0.330586	0.293138	0.274632	0.296414	0.0730642	0.164706	0.141045	0.303767
SDC1	56.6687	89.2984	99.812	201.52	156.676	157.049	109.81	71.8335	264.735	306.148	196.707	203.22	410.989	163.438	68.6513
SDC2	4.46259	1.6478	2.23594	2.55947	2.39317	6.58752	4.20054	2.63218	1.14845	10.7603	26.0806	1.32096	4.29744	6.47642	12.6556
SDC3	4.21194	2.5672	3.0096	6.18012	8.10804	17.2163	5.15993	2.78332	1.6842	4.3732	5.70366	1.81731	5.61873	3.39413	7.91156
SDC4	27.9542	29.5117	38.7969	29.5015	23.3284	39.5931	29.0846	25.7095	10.6398	23.6646	18.2839	13.9158	50.329	14.5684	10.0014
SDC4P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SDCBP	11.4476	7.45646	7.61133	22.4155	3.29809	27.1738	6.06725	8.69042	3.24667	19.1128	26.9246	5.67172	21.5418	10.4927	16.0844
SDCBP2	5.51681	6.20671	5.80369	23.8665	16.1576	11.284	6.68508	4.55695	51.491	43.067	41.5809	22.8427	61.1225	20.4237	5.7391
SDCBP2-AS1	2.33664	1.82534	1.81932	1.42531	1.05419	0.98018	2.01074	1.90102	0.564968	0.959605	0.455792	1.49367	0.282673	1.95755	2.19602
SDCCAG8	3.12784	3.40722	3.05318	3.48964	2.49435	4.23438	1.72095	2.40513	2.041	2.71459	4.50307	2.27413	2.31308	3.03704	2.77202
SDE2	3.94858	3.5908	4.10706	3.5932	2.58253	5.1563	3.56582	4.17098	5.58932	3.7169	5.22643	2.94097	5.78052	3.57527	3.23327

SDF2	4.37407	4.29957	4.36887	8.41218	7.27164	8.80667	5.228	3.25026	8.05303	8.07879	17.5217	4.93016	10.1842	6.2007	4.3909
SDF2L1	2.51555	1.65857	1.73055	6.03062	5.59392	8.81584	2.02564	1.31783	2.22518	3.29021	10.8508	1.42101	6.32123	2.96162	2.20562
SDF4	15.2301	13.3569	15.1516	26.5597	40.539	39.2558	16.5737	10.5627	17.9819	20.3792	27.372	12.9732	31.3088	19.5243	20.8154
SDHA	9.31777	7.06936	9.12713	9.93953	9.15277	16.0277	8.35345	5.90375	2.73661	7.86687	7.16196	4.29764	16.0622	10.1026	7.71715
SDHAF1	3.04891	2.23802	2.86083	4.97657	4.5453	4.70435	2.85033	2.16406	3.11512	2.79939	7.53046	1.66912	3.81546	2.7592	1.99829
SDHAF2	6.9676	6.05558	5.88973	10.389	5.16087	9.68326	5.65764	5.38234	6.91346	7.76808	14.4666	4.31986	9.64012	6.29089	5.12587
SDHAF3	1.06883	0.775181	1.00521	1.31016	0.244671	1.22624	0.899212	0.639926	0.726222	1.32737	2.36236	1.19144	1.35018	1.02315	0.727096
SDHAF4	2.42451	2.27261	1.85985	2.36224	1.98576	5.2174	2.46624	1.52788	2.20116	3.04301	6.61849	1.67172	1.08078	1.35931	0.94961
SDHAP1	4.79394	4.85043	5.647	2.1682	8.40392	4.15412	2.87964	3.01202	1.78646	2.71529	2.28468	2.96281	1.26164	4.46049	3.0315
SDHAP2	5.52381	10.4848	10.56	2.81372	12.1628	5.88512	6.50427	4.8852	4.94885	4.25926	3.42796	5.60983	2.1684	4.89925	5.45695
SDHAP3	1.27902	1.0651	1.11842	0.909307	1.14389	1.74736	0.883884	1.20444	0.107822	0.488453	0.339134	0.32983	0.178767	0.893549	0.784528
SDHB	10.8944	7.48897	8.00937	16.5385	6.75028	18.3464	9.62341	7.49056	14.6221	18.7727	30.6206	8.83654	17.0705	10.8807	9.66612
SDHC	9.20415	7.93988	8.00002	16.4435	6.49306	13.5866	8.5632	7.29401	15.1648	16.6471	20.8081	11.4521	17.1983	10.2302	8.02336
SDHD	13.2938	9.15926	10.4155	17.1584	5.21365	17.5095	10.3587	10.6291	8.85373	12.6747	27.9458	6.57555	12.9459	9.81275	11.4296
SDK1	2.04864	1.22438	1.37024	2.91073	3.11114	5.44096	3.71513	1.70445	0.753811	0.618194	1.15141	0.389855	3.81909	2.35555	6.00314
SDK2	0.839643	1.1419	0.83032	2.54467	3.03767	2.26246	0.618581	0.657964	0.883265	1.23535	0.787034	1.38073	2.02349	1.70683	1.46002
SDR16C5	4.75446	7.05914	7.29329	7.32319	7.52357	3.76693	8.70869	6.11212	45.0751	12.5169	11.6386	8.95503	14.6854	4.07288	1.92608
SDR16C6P	0	0	0.0364677	0	0	0	0	0	0	0	0	0	0	0	0
SDR39U1	3.72336	3.77077	4.04264	4.44299	5.87822	4.95555	2.78509	2.1058	4.1171	2.39904	5.40065	3.25838	2.00715	2.67196	1.418
SDR42E1	7.07218	7.53022	7.01659	6.98728	5.84255	3.63585	7.73199	7.5007	11.0406	3.16114	4.13303	5.5795	2.36756	2.7373	0.586876
SDR9C7	7.97222	10.6958	10.0446	20.3904	27.3336	12.0357	9.40185	8.2387	65.1543	29.9685	40.0988	26.6171	26.9956	17.1668	4.31225
SDS	0.230853	0.1111229	0.143234	0.237901	0.112061	1.21627	0.197686	0.0769362	0.0351442	0.94167	2.55718	0.113562	0.158255	0.218685	0.849557
SDSL	0.212172	0.0786366	0.067509	0.319564	1.11549	0.903308	0.204982	0.101533	0.278278	0.942284	2.78206	0.210205	0.200073	0.443561	0.562533
SEBOX	0.605839	0.428124	0.167064	0.124867	0.690123	0.103173	0.184461	0.287157	0.0491896	0.152078	0	0.0577992	0.416943	0.211092	0.29002
SEC11A	14.9029	9.73902	10.3477	18.232	5.62321	17.2232	9.48886	9.83942	11.1164	20.3135	35.5551	9.58496	21.0207	14.1715	13.2703
SEC11C	9.81399	5.14856	4.37347	9.64998	2.75188	8.59595	4.10968	6.9725	12.0551	8.96466	14.1897	5.51311	9.54331	5.32029	2.66537

SEC13	10.7944	7.34485	7.424	17.2455	11.3933	23.5489	9.76013	6.95365	12.2259	16.9952	24.4074	10.1764	21.0653	13.6756	12.261
SEC14L1	5.20578	4.47138	5.34548	6.13902	4.64136	10.5237	5.39959	3.84181	9.02603	6.94338	5.66813	4.59682	7.70156	5.5637	7.7615
SEC14L1P1	1.07977	1.10119	1.33989	0.491457	0.782719	0.413734	0.976003	0.943615	0.131504	0.440447	0.284416	0.63096	0.133527	0.531415	1.0984
SEC14L2	1.60643	1.95911	1.2698	2.97198	2.36946	3.79509	1.21915	1.13111	5.59653	3.18887	4.2081	2.32618	2.79873	3.06688	1.60192
SEC14L3	0.00975677	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEC14L4	0.0459735	0.031011	0.0684585	0.0284262	0.0285651	0.0368542	0.0314946	0.0326859	0.0447924	0.0230806	0.062278	0.0131581	0.0269029	0.0384444	0.0132047
SEC14L5	0.143389	0.319528	0.507108	0.062801	0.116935	0.122094	0.421572	0.21345	0.0567555	0.0809858	0.0687942	0.0641243	0.0601342	0.0711945	0.0566295
SEC14L6	0.08444	0.140831	0.139709	0.0803242	0.121075	0.206256	0.2744	0.230902	1.1154	0.0326095	0.102655	0.0464762	0.022903	0.0203686	0.0652973
SEC16A	7.72562	9.14519	9.7578	12.8659	13.1535	16.1725	12.3243	8.42665	11.5687	8.94516	6.93736	11.7038	16.4377	9.76961	11.6494
SEC16B	0.571949	0.478355	0.478628	0.239899	0.829877	0.402697	0.313706	0.177071	0.102651	0.208075	0.295737	0.180746	0.0638348	0.274153	0.483116
SEC1P	0.0829289	0.165751	0.0955027	0.028204	0.215063	0.092788	0.175893	0.106228	0.0342048	0.0464819	0.0207541	0.0613839	0	0.028746	0.150561
SEC22A	2.68286	2.12829	2.0345	2.42266	0.547235	2.05944	1.45425	2.04111	2.93738	2.82306	3.58692	1.45913	2.23365	1.84125	1.48863
SEC22B	8.41901	7.15941	7.12748	12.6911	4.2383	16.242	7.70407	7.26366	8.03807	12.9423	21.7413	4.82801	10.0708	8.02303	13.0792
SEC22C	2.52721	2.07398	2.32427	2.87336	1.53186	3.04652	2.2074	1.92309	0.846778	2.36863	3.10519	1.31481	2.6009	2.44443	2.62365
SEC23A	5.21473	4.45914	5.18449	8.44769	2.66837	9.35273	5.82657	4.84353	4.4023	12.7888	17.3897	4.34806	13.022	9.18573	14.802
SEC23A-AS1	0.1413	0.0896449	0	0	0	0	0	0	0	0	0	0	0	0	0.200306
SEC23B	4.61158	4.16287	4.49364	8.40278	4.57742	7.29994	4.59244	3.9688	6.60798	7.58773	7.16759	5.46907	12.9048	6.03353	4.36289
SEC23IP	2.99347	3.01275	3.09742	4.7105	2.03709	4.07012	2.7451	2.98406	3.32547	3.15674	3.00735	2.66547	4.48203	3.58764	3.97141
SEC24A	2.64576	2.47373	2.72307	4.81111	1.38011	3.77707	2.64277	3.173	4.06475	4.68686	5.54785	3.23024	6.95079	4.5373	4.48709
SEC24B	7.79564	7.89463	8.5103	8.5413	1.78297	7.07776	6.74385	7.43823	7.54881	8.30167	8.41701	5.71149	10.5255	7.26636	5.49474
SEC24B-AS1	0.532024	0.454416	0.660192	0.249212	0.0375644	0.247097	0.358947	0.515802	0.14726	0.121408	0.272995	0.034607	0.0156027	0.290698	0.520946
SEC24C	8.51373	10.6894	10.7166	18.0623	12.9718	20.3779	13.0579	8.17277	22.6173	15.9201	13.4794	15.1455	24.3211	13.6871	10.7058
SEC24D	4.54824	3.68779	4.5021	6.17958	3.10193	8.69928	5.28998	3.50418	4.09246	12.6808	16.8402	4.82502	10.2308	7.45662	17.6375
SEC31A	16.4246	14.4861	14.7161	19.94	8.1732	22.1498	16.0069	14.3271	18.845	23.2403	25.3571	14.6418	26.2997	16.4987	24.6865
SEC31B	1.44519	1.83991	1.73107	0.827392	2.33062	1.55956	1.71309	1.26206	0.244455	0.453464	0.226588	0.664246	0.129504	0.941524	1.6647
SEC61A1	21.6555	18.0985	18.431	43.072	23.6926	54.2525	22.3054	17.0618	26.1036	35.8472	50.2649	21.6284	51.957	30.9667	32.8589

SELENOW	30.3101	38.0228	47.7561	91.0205	57.4458	51.0847	52.9372	21.7257	48.817	79.3556	125.009	59.5992	84.3107	50.7251	38.7757
SELL	0.537995	0.0536305	0.0767357	3.77578	0.345803	1.79289	0.105908	0.305011	0.0903748	3.31798	6.20941	0.099556	3.2377	0.70295	3.26369
SELP	2.38656	1.14636	0.7366	3.73049	1.80256	4.4309	1.28328	1.01184	0.0711085	2.98622	7.55509	0.569216	4.83128	3.87546	5.20923
SELPLG	1.01417	0.648855	1.03155	3.1097	1.85944	2.89502	1.29083	1.086	0.303724	2.31624	5.28327	0.261716	3.34678	1.40333	3.27111
SEM1	2.86947	2.36662	2.01094	4.94884	1.98732	5.58305	1.42945	1.75018	5.57591	5.70615	10.4554	3.22035	3.43446	3.05434	1.74548
SEMA3A	0.556186	0.358619	0.585295	0.632168	0.0571731	0.800916	0.345534	0.432505	0.0647488	0.564616	0.886397	0.158016	1.36151	1.03023	0.939709
SEMA3B	1.05883	1.49735	2.28655	0.127538	1.64473	1.81487	1.76631	0.513274	0.619648	0.51777	0.760639	0.309937	0.0665409	0.495897	1.69835
SEMA3B-AS1	0.136941	0.230931	0.0566437	0	0.106358	0.174905	0.234532	0.182553	0.0833894	0	0.618358	0.097985	0	0.178929	0.688327
SEMA3C	21.9127	11.6298	10.5283	6.83254	3.756	5.83596	9.40243	11.0889	24.8999	17.5611	18.0335	14.7768	19.1071	7.52412	8.79889
SEMA3D	0.539931	0.473966	0.709775	0.171498	0.120635	0.148	0.789595	0.335234	0.0405354	0.14853	0.112718	0.0582148	0.124074	0.115969	0.600145
SEMA3E	0.708037	0.335506	0.339607	0.198469	0.461787	0.346741	0.481558	0.231414	0.0859478	0.140791	0.0839219	0.256373	0.0333114	0.104024	0.107633
SEMA3F	8.01951	14.1985	12.8163	16.5778	27.4909	19.483	13.8943	8.60107	20.9242	16.2805	15.0995	16.7804	23.3787	15.2338	8.657
SEMA3F-AS1	2.66864	2.27639	2.3976	0.910015	1.83634	0.98189	2.16138	2.02601	0.610006	0.946013	0.385066	1.24362	0.377813	1.70361	1.51501
SEMA3G	2.80043	1.64739	2.04348	1.0211	4.79081	3.46588	1.94927	1.02528	0.379585	0.706468	0.677428	0.482638	1.70177	1.19618	5.31113
SEMA4A	4.42352	8.80302	9.29283	9.53849	14.8253	11.3055	8.93037	7.18948	16.0477	6.23335	9.13986	9.22689	9.96731	6.31924	4.40841
SEMA4B	12.9498	19.3101	12.5249	46.8956	42.8682	54.9885	10.4366	13.591	23.4981	25.6443	19.8963	29.8875	45.8423	22.0384	8.15258
SEMA4C	4.26114	6.05251	5.48171	8.31244	13.7137	15.5007	5.03633	3.58428	3.9279	5.49536	5.26631	3.60374	6.33928	6.41896	6.79324
SEMA4D	5.09331	6.51324	5.30712	3.92871	9.48351	6.13549	5.99822	4.56588	12.5346	3.46298	5.13821	6.94024	3.80271	2.81867	2.42191
SEMA4F	0.543032	0.755774	0.769213	0.975808	1.29714	0.733786	0.636707	0.435642	0.166849	0.525985	0.517636	0.213659	0.518503	0.502888	0.647573
SEMA4G	0.859695	1.89116	2.09527	0.737058	3.7779	0.719046	4.37479	1.18395	4.52378	0.578675	1.1742	1.35442	0.500325	0.665431	0.525735
SEMA5A	4.78227	2.68946	3.14877	1.39769	3.65032	3.68987	2.76816	2.93674	1.70193	3.49803	5.43399	2.2817	3.34599	4.41906	6.54706
SEMA5A-AS1	0.634056	0.444964	0.319283	0.18466	0.21411	0.176051	0.204593	0.391997	0.134297	0.224902	0.0466807	0.226842	0.035573	0.55471	0.831404
SEMA5B	0.446072	0.103555	0.147609	0.0835801	0.529127	0.400543	0.356518	0.10091	0.0740817	0.218857	0.334181	0.206014	0.13082	0.199226	0.896863
SEMA6A	3.72684	1.89178	1.69084	1.96834	1.77135	4.8531	2.09173	1.63028	0.674756	0.927881	1.55426	0.651435	1.2353	1.24797	2.40581
SEMA6A-AS1	1.11488	0.823121	0.81931	0.413467	0.481572	0.785208	0.472845	0.777942	0.112305	0.179204	0.395296	0.228146	0.17543	0.519619	1.32674
SEMA6A-AS2	0.0892821	0.0857824	0.105867	0	0.030842	0.00842529	0.0674368	0.0262454	0	0	0.0555628	0.00711922	0.0255329	0.0570409	0.0142196

SEMA6B	1.83759	0.825976	0.971363	3.90838	4.56888	8.3683	1.0591	0.579149	0.557707	3.47797	3.65175	0.722534	6.01892	3.9306	4.89018
SEMA6C	1.12205	1.50819	1.28526	1.34606	5.78297	2.94952	1.83299	1.00741	1.59779	0.729423	1.12375	0.835795	0.790769	1.08566	3.00796
SEMA6D	2.23329	2.27147	0.953993	0.942853	1.74194	1.34709	1.04825	1.67138	0.905345	0.885163	1.6927	0.941061	0.418131	0.611004	2.19447
SEMA7A	0.774303	1.0395	1.02927	4.18067	2.39524	2.11317	1.39789	0.841055	5.5775	2.86565	4.84113	3.11585	2.69429	2.02688	1.74878
SEMG1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEMG2	0	0	0	0.0481324	0	0	0	0	0.0426624	0	0	0	0	0.0122054	0
SENCR	0.303106	0.249129	0.13275	0.385856	0.387741	0.971637	0.264647	0.110919	0.130288	0.402808	0.664211	0.127577	0.402629	0.298196	0.742569
SENP1	2.29297	2.24604	2.29576	2.61995	1.31617	2.59245	1.85147	2.35298	1.97055	2.32514	3.53752	1.58359	2.46663	2.05312	1.86452
SENP2	5.01409	5.06214	5.72449	4.92075	3.36531	6.09566	3.8304	4.4883	5.67419	4.20153	4.4906	3.21961	6.42805	3.71501	3.39231
SENP3	5.29781	6.35707	6.55812	9.25	9.44592	11.3294	5.46888	3.74341	9.40243	6.69085	8.06686	5.36933	11.1306	7.91544	4.92377
SENP3-EIF4A1	0.641692	0.466528	0.400953	0.413665	1.79166	0.469302	0.892852	0.543467	0.0842309	0.440202	0.0653893	0.618161	0.398041	0.600538	0.40494
SENP5	6.23802	5.02636	5.32141	4.57178	3.07794	5.25845	4.3572	4.81336	5.26444	5.22266	5.30638	4.0355	6.3116	5.53109	5.3067
SENP6	6.64215	5.95096	6.10381	5.22921	3.12857	5.18933	3.00108	5.0299	3.91407	4.23737	4.88749	3.27624	4.69865	4.48781	5.10656
SENP7	3.14957	2.90139	3.1385	1.79806	0.611546	1.80184	1.63458	3.16486	1.31856	1.97652	2.05046	1.71581	1.5587	1.98982	2.65993
SENP8	0.836982	0.91829	0.90931	0.924886	0.391603	0.824304	0.5872	0.672144	0.601785	0.430325	0.762709	0.490651	0.318805	0.606096	0.49239
SEPHS1	5.11845	3.55387	3.77626	5.23815	2.24958	7.23558	4.05275	3.53308	4.40075	4.6065	7.74151	2.78835	6.71925	4.21859	4.45531
SEPHS2	8.62327	5.23622	5.92038	12.1835	7.09503	14.7858	5.90072	4.66293	3.75249	7.38837	14.2018	4.05711	12.658	6.82723	6.82822
SEPSECS	1.75059	1.31359	1.39734	1.0013	0.407572	1.32304	0.917467	1.6833	0.689038	0.787277	1.16628	0.613096	0.544897	0.612814	1.03624
SEPSECS-AS1	0.392605	0.328547	0.358979	0.14906	0.12839	0.22873	0.377486	0.459099	0	0.0518695	0.0699793	0.0887115	0.133319	0.0755973	0.207727
1-Sep	0.915837	1.0016	1.23869	0.704102	2.21295	1.1883	1.75939	1.00771	0.513432	0.237192	0.918992	0.228837	0.703444	0.501449	0.772453
10-Sep	9.24719	10.4047	10.9868	11.2586	4.5172	12.1101	7.28557	8.22554	14.2432	11.0389	10.8215	8.80812	18.4978	11.9972	7.40921
11-Sep	6.73585	2.83422	3.70833	4.26603	2.40982	8.72702	3.46065	4.36661	1.14141	8.51941	14.5917	1.74355	5.71498	6.74078	15.0168
12-Sep	0.0151857	0.00731672	0	0	0	0.0387913	0	0.0269916	0	0	0	0	0	0	0
14-Sep	0.0428009	0.0445893	0.0305435	0.0575489	0.0191208	0.0318475	0.0212572	0.0990878	0.00756288	0.00771546	0.0138753	0.0221867	0.00800207	0.0648823	0.0790296
2-Sep	22.2829	16.0718	16.1606	31.2926	12.9309	38.7529	13.0342	16.4183	20.6558	30.4969	45.6295	17.8277	35.0505	22.6	32.3804
3-Sep	0.118978	0.140708	0.128254	0.226644	0.184814	0.282435	0.267574	0.144188	0.144902	0.0588269	0.134311	0.0309571	0.0744379	0.0244964	0.176045

4-Sep	1.0954	0.828862	0.6021	1.32582	2.45523	2.89205	0.679906	0.692557	1.57582	1.21798	3.70141	0.536552	0.469582	0.826096	2.95622
SEPT4-AS1	0	0.0809505	0	0.351271	0.165157	0.253955	0.080931	0.0629942	0.0431633	0	0.23166	0	0	0.148185	0.203592
5-Sep	3.1333	7.64324	7.71487	6.37326	19.2324	9.20869	14.9001	5.95815	30.3	15.7963	13.3325	16.179	16.3235	9.02278	5.05877
SEPT5-GP1BB	3.36842	5.76736	5.34788	2.41147	20.0636	6.40542	9.2797	3.32112	12.6402	5.80545	3.88454	6.9214	4.05001	3.5395	2.09215
6-Sep	1.79831	1.34651	1.8261	1.97008	1.21424	3.25904	1.39195	1.40741	0.345291	1.25053	2.09865	0.486873	1.53133	1.24681	2.50116
7-Sep	11.1147	8.21579	8.3613	10.562	3.66032	12.788	4.24102	7.87565	13.0701	16.3735	17.6595	7.41811	17.6511	9.59295	11.0698
SEPT7-AS1	0.114854	0.276692	0.237538	0.14795	0.0892038	0.171144	0.0655682	0.102073	0.0699395	0.0360383	0.0324139	0.082181	0	0.0300138	0.329889
SEPT7P2	2.62912	1.99764	2.43755	0.847432	0.803513	1.357	1.94744	1.63004	0.608874	1.03032	1.55256	0.806876	0.572949	1.44584	1.76805
SEPT7P9	0.436932	0.136945	0.190351	0.0327458	0.049398	0.115711	0.190653	0.11361	0.120106	0.0373862	0.0407426	0.0703702	3.55E-33	0.0344896	0.152016
8-Sep	8.5568	11.5978	9.69204	12.3425	14.9768	17.1432	10.9361	6.49691	40.3872	14.3349	12.6298	18.0436	16.5953	11.0936	9.56798
9-Sep	12.9801	9.64821	12.4604	36.2183	19.9166	46.1167	13.8904	10.4881	4.76643	25.9286	16.6561	18.5145	59.4964	22.3708	21.1398
SERAC1	1.32801	1.09244	1.2326	1.57996	0.595379	1.47094	0.992364	1.17063	3.78045	2.25627	2.37672	2.03179	2.58092	1.62515	1.1009
SERBP1	21.1484	25.6088	23.9295	45.8058	26.7337	37.5458	14.3563	24.4253	51.7504	36.3384	46.3443	28.6645	47.375	30.1752	14.4853
SERF1A	0.818507	0.689245	0.570627	0.478661	0.304829	0.57284	0.380467	0.398728	0.476092	0.505881	1.26638	0.337373	0.429975	0.569681	0.516259
SERF1B	0.641288	0.280931	0.285454	0.724987	0.441258	0.614812	0.548926	0.571804	0.44693	0.769691	1.28921	0.520084	0.636748	0.433466	0.128414
SERF2	14.4668	16.3123	16.7897	39.4748	32.7829	30.6946	20.3778	12.2428	24.8585	30.1617	73.9221	24.5388	21.3295	21.8098	21.7059
SERF2-C15ORF63	0.0061195	0.176625	0.20635	0.00961136	0.212373	0.148898	0.00040688	0.170242	0.0232072	0.026116	0.0125631	0.112439	0.00992977	0.00127526	5.45E-06
							6								
SERGEF	3.32418	3.23031	3.87552	3.80149	4.37925	5.72071	3.4111	2.36839	4.18515	3.06313	4.89263	2.58929	2.94111	3.10086	1.04745
SERHL	0.732046	0.330133	0.288279	0.0965567	0.0601554	0.184301	0.0517771	0.201379	0.377831	0.0531076	3.29E-20	0.0714119	2.55E-22	0.153417	2.69E-17
SERHL2	2.03465	0.915405	1.08552	0.458784	0.854051	0.602004	1.53657	1.65832	0.0539277	0.14766	0.211121	0.352246	0.134902	0.635172	0.753335
SERINC1	28.2313	20.0413	23.1337	21.1756	4.70415	29.7313	17.0658	22.5332	18.142	30.7614	36.961	12.6291	39.6611	17.1952	26.5621
SERINC2	4.23212	4.70663	2.92928	22.1622	10.1902	16.3966	8.83038	3.07732	21.2599	19.8149	24.0652	16.6811	40.5335	22.4982	8.77499
SERINC3	16.5814	16.7745	18.6185	17.5564	7.27935	24.4544	16.4212	16.4252	25.1688	20.8303	21.8455	13.3799	27.7076	15.8425	16.1681
SERINC4	0.25086	0.421749	0.454349	0.0675465	0.191602	0.131876	0.418824	0.281657	0.0226339	0.058955	0.010409	0.14705	0.0302985	0.15422	0.404965
SERINC5	8.67427	12.3472	12.8611	15.6899	11.9716	11.6867	11.4402	10.428	16.708	11.9746	11.5778	14.1222	18.3573	10.2958	7.98217

SERP1	8.99602	7.27676	7.45422	21.233	7.66129	11.8534	6.33109	10.407	17.656	28.8271	29.7084	13.9127	39.4666	17.6705	10.8343
SERP2	0.207747	0.170163	0.18905	0.0856358	0.290433	0.672198	0.1186	0.12924	0.0253013	0.130372	0.257973	0.0743244	0.0402113	0.249729	0.238681
SERPINA1	0.338954	0.184484	0.155782	8.48031	1.10178	2.27151	0.129002	0.384911	0.48161	4.49058	7.41187	0.23804	5.79937	0.774221	2.72237
SERPINA10	0.0273774	0.0747482	0.0754951	0.0470221	0	0.00777051	0.0104196	0.0243308	0.0111142	0.103084	0.0103019	0.0391786	0	0.0906214	0.0262116
SERPINA11	0.566383	0.0985444	0.0260307	0.0162132	0	0.0133963	0.16167	0.0699103	0.0766435	0.0592391	0.0888022	0	0.0203015	0.0246681	0
SERPINA12	20.6216	35.8706	51.5622	4.28582	19.5541	5.74906	59.2242	23.4412	71.6188	2.62903	8.66641	9.24742	0.61669	0.451724	0.292059
SERPINA13P	0.0269419	0.025962	0.0334323	0	0	0	0	0	0	0	0	0	0	0.0260741	0
SERPINA2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SERPINA3	4.29384	4.29196	6.29757	53.9541	3.73057	26.9563	1.4957	3.47968	0.336809	12.7331	1.2652	0.749863	2.21629	0.266255	0.710714
SERPINA4	0	0	0.0095299	0	0	0	0.0131528	0.0102377	0	0	0	0	0	0	0
SERPINA5	1.17844	0.567792	0.79466	0.214309	0.307652	0.784193	2.1596	0.448844	0.0361818	0.0497166	0.0558956	0.0354289	0.127786	0.0414055	0.071109
SERPINA6	0	0	0.0128321	0.0639399	0	0.0132078	0.0177104	0.0275705	0.0188912	0.0194684	0.0525314	0.0332965	0.0200158	0.0486417	0.111382
SERPINA7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SERPINA9	0.143227	0.31629	0.483823	0.319798	0.01854	0.010163	0.327063	0.180325	0.0290723	0	0.053895	0.0512413	0.0924091	0	0
SERPINB1	6.11296	3.65169	4.57739	65.6562	4.3103	17.9923	3.93428	4.0193	1.70486	66.9324	44.5281	19.8551	261.549	44.3862	22.9466
SERPINB10	0.09811	0.126056	0.117236	0.168509	0.0169332	0.102104	0.0746792	0.135632	1.65954	0.123138	0.073836	0.140401	0.196933	0.0227896	0.109588
SERPINB11	0	0	0	0	0.018743	0.0616455	0	0.0214469	0.279211	0.196877	0.095349	0.0690698	0.295833	0.0882888	0.0693146
SERPINB12	65.3029	62.5274	33.9916	48.5189	72.4512	32.2019	43.3847	44.0819	428.904	25.8141	66.2954	48.3043	6.33173	9.01287	2.00676
SERPINB13	7.83612	9.13566	2.49117	74.5464	20.865	23.8028	3.33004	9.54404	70.1998	64.2002	63.1698	65.987	35.7498	41.5922	8.92128
SERPINB2	6.50699	9.81724	9.97053	25.4139	10.6221	4.29418	12.0043	9.12534	94.7387	94.2901	59.9214	36.3315	121.471	34.1042	9.36019
SERPINB3	28.4992	16.7146	1.35307	424.831	37.4949	28.1769	2.29239	21.6091	481.812	184.992	333.662	138.236	143.262	72.9289	21.0428
SERPINB4	6.29879	0.959541	0.155913	265.116	9.74062	6.99322	0.460376	4.17185	10.6183	12.5499	25.9679	11.4868	25.3236	7.0505	2.06431
SERPINB5	66.7132	78.5417	79.4181	130.706	40.0998	63.3167	89.8395	59.1173	265.992	271.77	211.863	190.041	228.496	124.594	46.3643
SERPINB6	4.97666	3.37611	3.90235	6.96135	4.95605	10.5679	4.89786	3.43924	3.48602	11.2853	14.6397	4.97551	18.2706	6.74185	7.36638
SERPINB7	16.7486	19.3567	16.5897	51.3867	12.0286	11.9135	29.538	19.1951	172.308	59.1733	68.5658	45.9012	70.2741	19.7456	4.87241
SERPINB8	6.20517	7.3881	8.41626	7.44603	5.90517	6.61182	7.26407	6.38212	29.1896	9.27185	8.61067	8.59202	11.6974	5.18382	3.59978

SERPINB9	6.06473	5.17213	5.31583	9.09225	7.87926	4.69577	4.25573	3.83137	2.00125	6.0588	6.10132	5.54248	15.6084	6.89826	8.37937
SERPINB9P1	0.240303	0.160313	0.214088	0.361935	0.344561	1.40083	0.780901	0.361412	0.0225125	0.858415	0.855552	0.145491	0.632096	0.425084	0.530932
SERPINC1	0.0578938	0.0697353	0.0478938	0	0.0899291	0.0616198	0.0330506	0.0385884	0	0	0	0.0310684	0.0560292	0.0680801	0.0623571
SERPIND1	0.458485	0.44683	0.474113	0.236241	0.339906	0.186324	0.345023	0.379681	0.126905	0.130783	0.058815	0.328058	0.047061	0.310422	0.269363
SERPINE1	2.48842	0.657156	1.0203	14.0556	1.04805	14.1278	1.73951	0.760808	1.92617	20.5605	33.0542	7.67238	29.9057	22.3484	13.5863
SERPINE2	3.37013	0.672917	0.514902	9.07365	1.28516	62.1904	0.970641	1.04558	0.637852	9.21232	8.38863	4.19282	29.8327	14.9838	15.5771
SERPINE3	0.0676206	0.210827	0.122377	0.0514306	0.124737	0.0985033	0.114586	0.19096	0.0198998	0.0625037	0.036605	0.0925053	0	0.0787129	0.0753897
SERPINF1	27.0936	23.361	29.5154	25.3986	33.8652	125.318	31.9275	22.2016	7.32251	29.608	93.9701	5.98203	17.3526	17.7633	86.31
SERPINF2	0.740183	0.556345	0.620496	0.691587	1.36438	1.26051	0.31551	0.447313	0.45674	0.334442	0.501345	0.331896	0.299272	0.247585	0.467718
SERPING1	32.2692	16.0483	22.4478	35.6002	20.1772	196.986	45.6905	24.0114	2.2884	10.8835	33.1605	3.8497	21.92	12.7972	51.9097
SERPINH1	8.88815	8.54576	9.45724	39.4546	33.1914	43.8043	11.7655	6.42737	8.723	35.9839	84.6426	10.1141	40.3711	38.3326	61.9018
SERPINI1	0.616683	0.538193	0.702678	0.407685	0.45185	1.38705	0.478262	0.361924	0.311757	0.700981	1.32664	0.249766	0.352837	0.389199	2.05534
SERPINI2	0.0261651	0.0126068	0	0	0	0	0.0149372	0	0	0	0	0	0	0.00683752	0
SERTAD1	3.07549	3.15812	3.41885	11.9842	8.89771	11.4242	3.4676	2.13534	22.5204	12.0627	19.1602	8.77487	16.0231	6.65055	4.19595
SERTAD2	5.68148	7.44651	8.58583	7.21334	3.80356	8.49972	5.68678	7.33657	8.20472	8.51303	11.118	6.74557	14.0813	6.01726	4.70269
SERTAD3	3.2392	2.97527	3.15863	4.71593	4.30362	7.31205	3.50956	2.64598	4.41501	3.61573	8.13803	1.75556	5.57605	3.78212	2.65257
SERTAD4	4.79442	3.62249	3.28407	3.70672	1.18559	4.03382	2.66444	4.37783	1.02571	0.69369	1.30232	0.605758	1.4745	1.06375	2.28043
SERTAD4-AS1	0.896793	0.878116	0.741891	0.536616	1.21328	0.68971	0.75969	0.334224	0.317088	0.217852	1.11034	0.227693	0.522612	0.604778	1.16327
SERTM1	0.043312	0.0139123	0.0238872	0	0	0.0368796	0.0741784	0	0	0	0	0	0	0.00377279	0.0518346
SERTM2	0	0	0	0	0	0.0128657	0	0	0	0	0	0	0	0	0
SESN1	5.88296	4.44372	3.79114	4.24972	1.68311	3.77729	2.47429	5.55117	2.03378	3.12788	3.61917	1.98385	1.76829	1.96873	2.59959
SESN2	0.931495	1.24529	1.21559	5.94888	5.47185	4.8483	1.70018	0.99107	7.85331	6.44664	7.76067	4.61863	7.98647	6.35977	2.24213
SESN3	14.3359	8.74254	6.37411	10.7407	6.79256	12.9888	5.70807	9.46142	8.31391	12.8832	17.6561	5.55516	6.23207	9.14621	6.95964
SESTD1	2.57391	1.17932	1.58141	1.32625	0.550523	2.71976	1.44664	1.81502	0.469401	1.86269	2.21048	0.537295	1.55635	1.66013	2.73894
SET	32.8655	25.5336	26.183	51.144	22.6711	52.2763	18.2335	25.6378	28.716	34.0452	38.213	19.8694	55.3311	35.2086	23.2906
SETBP1	4.76052	3.61164	3.94349	2.40406	4.32424	4.41241	4.16018	3.25127	2.52034	2.72959	2.71199	2.9705	3.2564	2.7568	7.13633

SETD1A	3.91519	3.80738	3.84455	4.71888	7.01257	7.29694	5.67897	3.64853	2.78404	2.40519	1.79059	3.4562	5.31376	3.50357	3.79829
SETD1B	4.8636	6.06248	5.91003	5.75058	11.6666	11.4187	7.90309	5.06291	5.04378	3.50013	2.68405	5.30849	6.6684	4.57721	6.01142
SETD2	9.64064	9.11756	9.0889	8.01653	4.49316	8.1198	5.60671	7.9295	6.1181	6.94004	6.09021	6.07058	7.35912	6.90626	7.7555
SETD3	8.48583	7.58918	8.3602	7.9282	5.3379	12.1282	7.04642	6.55046	9.20735	8.65249	11.4398	6.06176	10.1944	7.41126	6.607
SETD4	2.05065	2.79292	2.81538	2.07471	3.45646	1.99555	1.94283	1.98309	0.819835	1.36903	1.33689	1.42716	0.679632	1.707	1.25319
SETD5	10.2526	12.5647	12.8403	11.0322	9.66733	14.1509	10.9784	10.1213	11.2729	9.77317	9.33458	9.86227	9.44003	11.7961	11.8336
SETD6	3.10802	3.49679	3.05196	2.24393	3.26121	3.0681	2.55808	2.84772	1.8555	1.50456	1.64341	2.03316	1.73568	2.12811	0.628037
SETD7	8.06736	6.98724	8.11559	7.37979	5.38071	8.3554	8.14575	7.51508	11.9018	6.25895	7.92364	5.09139	9.86338	6.24815	8.78654
SETD9	0.375805	0.379717	0.356168	0.327119	0.136021	0.338634	0.3416	0.304802	0.355486	0.453357	0.58899	0.203632	0.4355	0.415708	0.246273
SETDB1	4.7836	4.62871	4.26144	5.12923	4.53707	7.85873	4.71308	3.95991	2.86756	2.39408	2.45051	3.05669	3.25622	3.34648	3.5669
SETDB2	1.30668	0.989693	1.15408	0.792068	0.349912	1.0594	0.45744	1.48204	0.497801	0.739279	0.783405	0.321068	0.561189	0.559951	1.03162
SETDB2-PHF11	1.18809	1.31626	1.11972	1.26822	1.12776	1.61347	0.976856	1.06198	0.777493	1.10543	1.86849	1.12563	0.888752	0.535614	0.477192
SETMAR	2.65372	2.78566	2.80095	2.71758	2.05461	3.12377	2.0991	1.86306	1.31709	1.46174	2.26322	1.08928	1.47063	1.33043	1.67257
SETSIP	0	0.0107566	0	0.0229986	0	0	0	0	0	0	0	0	0.0288169	0	0
SETX	7.78322	7.20161	7.46567	7.73654	2.73861	6.54614	5.37109	6.25307	4.86585	6.44222	6.3653	4.78017	7.46591	6.77609	8.68112
SEZ6	0.145418	0.0908247	0.0757446	0.0166509	0.133858	0.0596179	0.153735	0.0909436	0.00655937	0.0337991	0.0182399	0.0385373	0.00694986	0.0337786	0.116022
SEZ6L	0.0176046	0.0118751	0.00291276	0.0217705	0.0437537	0.0269822	0.0683414	0.0406784	0	0	0.0238481	0	0.00681505	0.00184019	0
SEZ6L2	0.637622	0.683398	0.177623	2.21264	1.34418	2.13292	0.869161	0.439454	1.52141	2.20485	4.86962	0.972991	1.83027	1.90768	2.84989
SF1	19.5684	22.8419	23.8318	31.0695	24.53	41.0853	23.7864	17.1917	18.1795	15.0593	17.3696	19.7241	33.6528	20.4005	18.9213
SF3A1	11.0089	11.0083	11.4712	15.3713	12.649	22.4598	13.4427	10.3171	10.8273	7.90743	9.44293	8.47762	17.5084	9.10239	10.0682
SF3A2	14.8116	15.861	16.5928	22.8667	19.3472	39.4478	24.7585	14.9583	12.3334	9.75272	19.7288	12.6956	23.4293	12.704	13.8585
SF3A3	10.4172	7.8916	9.24094	13.9994	6.3543	13.9189	6.354	7.4797	5.28788	7.86915	8.99815	5.38453	11.817	9.1657	7.91067
SF3B1	27.8537	24.8831	26.6157	25.212	8.69669	24.602	17.5392	23.555	18.973	23.6891	26.8522	16.4596	25.3707	22.2781	24.9007
SF3B2	20.1922	17.3309	18.9405	30.6402	33.2412	47.3993	22.4248	15.0597	23.9588	20.1943	20.5827	18.8025	33.1347	20.7221	20.6952
SF3B3	7.02863	8.10604	8.87157	13.2228	8.03308	10.1997	8.5144	7.67054	15.0961	6.09925	5.99384	7.13488	9.59198	7.50622	5.6112
SF3B4	8.98782	9.98693	10.5286	19.3142	9.34353	21.9703	14.3323	9.52529	14.6797	11.2078	17.2117	12.3718	24.679	11.0031	11.0065

SF3B5	21.0077	15.9014	15.0671	37.7969	23.9986	48.8506	23.7708	12.2792	38.8556	35.2741	80.9646	19.1434	33.6927	25.898	15.1976
SF3B6	18.0402	13.6961	13.3348	32.8512	3.54363	19.6549	10.0761	11.0441	23.1042	37.486	72.413	19.0724	37.1261	23.6421	12.7169
SFI1	1.77091	2.1382	2.29346	1.67289	3.5286	2.23942	2.59967	1.65815	0.9821	0.992264	0.666379	1.27091	1.08137	1.53157	1.58953
SFMBT1	2.45749	2.08188	2.33964	1.56974	1.16728	2.6805	2.51602	2.22914	1.4099	1.08336	0.974409	1.08992	1.46107	1.07475	1.58234
SFMBT2	1.26564	0.561406	0.633912	0.603338	0.980754	1.81322	0.675018	0.752412	0.0594191	0.561919	0.890941	0.620159	0.855467	0.895468	2.07727
SFN	168.313	312.455	266.109	1594.96	1527.08	1136.98	309.101	199.21	1675.76	1883.27	1560.97	1638.87	3793.16	1370.81	435.421
SFPQ	40.0918	37.5849	37.2336	42.6697	27.2496	57.6826	30.7381	29.9334	27.1645	24.0861	29.3971	24.8646	38.586	34.8949	29.2951
SFR1	0.998981	0.933478	1.02677	1.76259	0.446719	1.46925	0.587584	0.834004	0.626757	1.4438	2.03332	0.758119	1.22071	1.05213	1.21729
SFRP1	29.8212	15.1147	14.3624	16.1934	22.9682	51.1553	14.2442	27.2946	10.1335	6.15142	8.81966	6.90997	10.5361	6.17911	19.4493
SFRP2	17.5841	19.8751	29.4495	14.5614	39.9054	37.0453	35.6392	20.2782	1.57216	10.597	33.32	2.55465	10.1521	5.45212	61.4956
SFRP4	2.1952	0.401319	0.721259	0.304838	0.918983	15.6959	4.38178	0.615714	0	3.80062	9.85972	0	2.04916	0.471943	28.7534
SFRP5	0.270391	0.0473741	0.0711731	0.0126657	0.0954571	0.146513	0.308724	0.120151	0	0.0925552	0.0138745	0.0703536	0.00792978	0.115624	0.0353015
SFSWAP	7.78236	7.54825	7.8382	6.71716	10.4734	9.78664	7.43445	6.43904	5.77786	5.64731	3.67525	7.04681	6.68304	7.90725	7.47695
SFT2D1	3.68797	4.043	3.99366	7.66515	2.02757	6.86269	3.38284	3.68265	5.6018	5.92901	9.05157	3.21702	8.80934	4.90539	3.5706
SFT2D2	13.2207	15.1107	15.0973	17.72	12.179	15.9766	21.4232	11.8696	30.4905	17.5096	22.9515	16.0372	21.1766	12.9575	10.5999
SFT2D3	2.36288	2.031	1.96155	2.97802	2.45544	3.77856	2.14325	1.81457	2.42651	2.34566	3.68974	1.48452	2.6294	1.62221	1.32425
SFTA1P	0.0333955	0	0	0.06883	0.103749	0.0284358	0	0	0	0.335318	0.150797	0.0955814	0.129279	0.226901	0
SFTA2	0.00849598	0	0.00702847	0.0787982	0	0.00723422	0	0	0	0	0	0.0060791	0	0.0177615	0
SFTA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SFTP1A1	0.0609562	0.0244747	0.09245	0	0.0631241	1.01E-09	0.0579982	0.0632016	0.0494919	0.0255021	0.114687	0.05785	0.00655478	0.084638	0.0437704
SFTP1A2	0.0094269	0.00454203	0	0	0	0.0240807	0	0	0.0344427	0.0473269	0	0.0609893	0	0.00522174	0.0406147
SFTP1B	0.138846	0.0790612	0.0839243	0.0325192	0.0490171	0.0644865	0.0792648	0.100959	0.0153726	0	0.00712452	0.0138139	0	0.0626713	0.108764
SFTP1C	0	0.046891	0.112716	0	0.0302348	0.0331472	0.155566	0.0345965	0	0	0	0	0	0	0
SFTP1D	1.06426	1.32974	1.29826	1.0038	7.73341	1.30554	1.42109	0.73742	5.40426	0.724475	1.40504	1.54882	0.942692	0.603364	0.362673
SFXN1	2.41713	2.14765	1.79031	5.47558	1.83969	4.54259	2.00992	1.7654	2.11769	3.91887	6.28982	3.12392	7.77319	3.66329	2.84507
SFXN2	0.961131	0.938364	0.795116	0.947032	1.00841	1.55781	0.933743	0.899131	0.523667	0.42327	0.409254	0.609292	0.402532	0.625708	0.605398

SFXN3	6.41864	7.24613	8.53186	5.18671	8.52774	11.4665	10.8945	5.01211	6.94151	12.446	15.6416	5.93247	14.6273	7.73882	11.9285
SFXN4	4.86174	2.36463	1.4337	4.2199	2.02497	4.32253	2.0838	2.19442	1.83048	2.50238	4.05129	1.76678	4.37365	3.02189	2.13646
SFXN5	0.864211	1.86558	1.57356	3.40086	4.71822	3.41961	1.7171	1.02029	0.918367	2.16403	1.46338	2.40374	2.21667	2.18752	1.84951
SGCA	0.653038	0.890213	1.18589	0.328281	0.643274	4.44843	1.85495	0.169863	0.0581947	0.219901	1.06085	0.148158	0.143871	0.283035	0.709103
SGCB	2.70186	1.65254	1.96551	3.25297	0.529593	4.07107	1.69202	1.86978	0.856306	3.78105	6.69778	0.801078	4.25376	3.21242	6.01967
SGCD	1.26164	0.639755	0.690779	0.268026	0.627267	0.89555	1.01851	1.04217	0.0750209	1.39737	2.53684	0.199158	0.575546	0.538958	3.55168
SGCE	2.79118	0.871147	1.4677	1.22276	0.614365	4.36842	1.52248	1.46625	0.371588	3.9429	10.6773	0.363856	2.77784	2.0494	6.24805
SGCG	0.237723	0.282978	0.358618	0.0288213	0.0651646	0.0833487	0.782342	0.223696	0.221398	0	0.0315717	0.0700401	0	0.116936	0.0602472
SGCZ	0.0417455	0.0263024	0.0637566	0	0	0.01914	0.00366643	0.0342461	0	0	0	0	0	0	0
SGF29	3.09646	2.35414	2.36201	3.25316	4.49755	6.62574	3.62727	2.41102	3.33036	1.69083	2.97346	2.30192	2.73728	2.18582	2.56997
SGIP1	0.328901	0.12259	0.184816	0.364523	0.253842	0.648177	0.136985	0.222442	0.0453469	0.469923	0.705215	0.248658	0.24824	0.954629	1.8864
SGK1	18.2229	9.47145	8.87501	25.7873	7.73381	19.9739	9.17678	14.1719	26.749	21.1642	24.6111	17.5835	33.1087	12.334	16.6222
SGK2	0.235481	0.358528	0.319482	0.27179	0.43894	0.633608	0.408674	0.259502	0.88331	0.461062	0.595455	0.330246	0.0182317	0.511982	0.0541088
SGK3	1.57717	1.78975	2.45095	0.791864	0.443132	1.21022	1.71224	1.83515	1.00714	1.2193	2.17226	0.905662	1.52118	0.819327	0.870756
SGK494	0.863501	1.2806	1.3831	0.511198	1.34132	0.604895	1.26561	1.40419	0.268506	0.507302	0.241968	0.946506	0.134343	1.16507	1.09938
SGMS1	6.49337	8.33998	9.34067	9.08737	6.15915	5.45026	6.18883	6.97644	11.4079	5.88213	9.20279	5.87722	7.54347	5.03096	4.28628
SGMS1-AS1	1.04748	0.793704	0.86655	0.52589	0.500646	1.0825	0.84843	1.02639	0.0872283	0.292155	0.545758	0.198586	0.196395	0.205882	0.514296
SGMS2	2.46537	1.57182	1.982	2.71296	0.561246	2.10368	1.62134	2.42514	3.75205	5.05811	3.14425	3.14543	7.96493	2.95267	3.29864
SGO1	0.127866	0.182113	0.169158	0.657699	0.0673746	0.606744	0.197148	0.099121	0.108732	0.630418	0.751628	0.255113	0.640285	0.741603	0.222553
SGO1-AS1	0.0168822	1.19E-19	5.56E-20	1.08E-31	0	1.15E-16	0.00706388	0	0.146374	0.229207	0.290312	0.147977	0.0550843	1.42E-21	0.13256
SGO2	0.267264	0.293313	0.188344	0.84157	0.0615041	0.623714	0.101718	0.27271	0.415913	1.11193	1.31299	0.329348	0.92286	0.827754	0.611275
SGPL1	9.0783	12.1732	12.7737	15.478	8.55576	12.8811	14.3181	8.58143	24.0621	17.6728	14.4599	13.6115	28.6522	11.3617	8.04839
SGPP1	1.52682	1.05376	1.13223	2.48773	1.41019	3.03935	1.77469	1.28968	1.45744	3.15934	4.20029	1.64364	7.46811	3.18115	2.7557
SGPP2	6.89385	11.0219	10.4877	10.9231	12.5372	7.41917	9.22033	7.39868	30.8912	12.5813	13.6517	15.0824	14.9429	5.85902	2.92018
SGSH	3.68377	4.65634	5.28527	5.71819	10.7142	10.7882	6.4234	3.73272	3.97959	3.24033	4.55872	4.22945	5.23581	3.94728	4.47135
SGSM1	0.306105	0.305098	0.390171	0.116833	0.28177	0.273516	0.379705	0.389589	0.0322174	0.0284588	0.0639916	0.0975999	0.0975296	0.139494	0.179099

SGSM2	4.7456	8.61888	7.52925	6.01265	15.4154	7.95205	5.78752	4.20904	5.0441	3.86137	2.97382	8.59444	2.66607	5.30848	5.8387
SGSM3	3.99247	5.52554	5.2748	7.78764	16.1175	7.77933	5.51904	3.60721	7.12729	5.81679	4.35705	6.13061	7.04216	6.66107	5.97745
SGTA	6.12816	5.40434	5.61548	11.4045	11.5689	17.1438	5.8441	4.25568	8.52265	9.6363	11.5449	6.774	17.5118	9.8541	6.27399
SGTB	0.885234	0.646589	0.650512	1.09342	0.540589	1.08209	0.828627	1.00223	0.671948	1.37963	1.83493	0.383399	1.27631	0.796913	1.3986
SH2B1	3.62662	4.41145	4.03808	3.39108	11.4216	6.30694	4.35893	2.77262	2.06422	1.81967	2.19472	3.4837	2.24071	3.62366	4.06281
SH2B2	0.232063	0.3456	0.584664	0.89137	0.983113	1.48199	0.313138	0.234362	0.308321	0.635484	0.69065	0.211333	0.898356	0.562328	1.51487
SH2B3	3.75472	2.16329	2.632	4.6441	3.80009	8.78858	3.59939	2.69829	1.01169	4.2434	8.01298	1.46812	5.36232	5.60917	9.85993
SH2D1A	0.45054	0.093033	0.144524	0.104229	0.0142825	0.125267	0.0419928	0.196116	0.0111981	0.103863	0.197214	0.0131581	0.118647	0.0624721	0.25089
SH2D1B	0.045647	0.00439869	0.0377625	0	0.0141811	0.0855093	0.0416947	0	0	0.0458334	0.0618358	0.00653234	0.0294512	0.0143143	0
SH2D2A	0.163068	0.181312	0.166032	1.31851	0.857324	1.0574	0.257795	0.234103	0.106937	1.13354	1.51514	0.816754	4.13558	1.86842	3.06243
SH2D3A	3.29071	4.2454	3.38867	6.92407	9.84177	5.56218	3.55535	2.66262	7.10623	5.51102	2.75007	6.2836	11.7249	5.87836	1.73517
SH2D3C	1.47942	0.594878	0.683931	2.15235	2.16286	4.02918	0.888044	0.691227	0.384199	1.66567	2.40074	0.665493	2.47752	2.25993	4.03055
SH2D4A	2.73514	2.59111	1.75988	3.45183	3.0274	2.7171	2.24788	2.11958	7.70819	3.29193	2.81915	3.92833	5.38791	2.1857	1.72681
SH2D4B	0.0338596	0.0108761	0.0466851	0.00581555	0.0350638	0.0432465	0.064433	0.0300916	0	0.00708288	0.0127411	0.00807582	0.0364101	0.0176965	0.00810445
SH2D5	0.0362176	0.0290837	0.0349554	1.65467	0.393809	1.32093	0.0344601	0.0321872	0.0661635	3.03803	0.517879	1.63263	14.8149	5.18651	2.40994
SH2D6	0.0117061	0	0	0	0	0.0199353	0.0133657	0	0.0142568	0.0146924	0	0.0167521	0.00755275	0.0122363	0
SH2D7	0.0366962	0.029468	0.0202384	0.0630274	0.133004	0.0208309	0	0.0326125	0.0297945	0.06141	0.0414254	0.0612665	0.0552444	0.0958951	0.0175668
SH3BGR	0.223079	0.0692582	0.0547254	0.200462	0.0568695	0.213998	0.00698824	0.140608	0.152002	0.0970102	0.313222	0.00924094	0.0542107	0.00711308	0.516939
SH3BGRL	9.88799	6.14713	5.84952	9.53028	2.51051	13.4177	5.03606	11.4708	8.29489	11.7202	20.006	6.85026	7.84968	6.94527	11.4764
SH3BGRL2	4.70795	1.86766	1.95726	0.916155	0.80184	2.18142	2.46122	2.87148	7.80024	0.839853	1.49998	1.26881	0.647599	0.924279	0.912936
SH3BGRL3	33.3135	34.6521	34.1358	111.419	43.0423	111.856	52.4688	37.6673	101.19	169.644	218.143	128.05	249.006	97.1008	68.291
SH3BP1	4.52795	7.93081	9.64641	12.0478	12.3398	12.9352	7.62831	5.56291	12.5764	7.2245	7.21899	9.21218	23.1615	8.68433	4.44106
SH3BP2	7.7277	16.7718	20.1576	6.30712	9.72698	10.8008	16.1006	13.2077	4.68708	6.10012	4.8969	5.22167	8.09098	5.52517	7.05802
SH3BP4	7.01927	4.06398	4.96093	5.09846	4.98003	8.71049	6.03627	4.89289	2.27312	3.6764	4.32991	2.79878	6.29192	4.76775	4.36696
SH3BP5	7.38623	3.59545	3.70355	4.07222	6.20768	16.0683	3.80591	3.45809	5.33136	3.84045	4.58045	1.81457	4.00597	4.11432	10.5845
SH3BP5-AS1	5.16884	3.98509	4.99172	1.212	1.07967	1.55534	3.55664	4.17115	0.55519	1.17983	0.599942	1.26835	0.246876	2.0576	2.85326

SH3BP5L	3.25045	3.9826	3.49529	8.97419	12.7004	6.09163	4.79999	2.31286	15.2442	6.07655	4.10945	4.64401	10.6968	4.47696	3.69966
SH3D19	10.0066	11.2371	12.6053	8.607	6.31199	7.77886	11.5583	9.37087	20.0899	11.5339	10.5152	12.4949	12.0946	9.48816	11.1864
SH3D21	5.26753	5.97095	4.41705	8.94243	15.3471	13.6391	7.11062	6.3242	15.0383	20.2731	7.15191	23.7702	17.607	16.5746	7.35863
SH3GL1	15.8904	20.0667	21.6708	34.2164	33.5288	45.2455	25.6337	13.9602	68.8088	36.2398	36.9861	31.6394	56.8068	29.1156	16.6572
SH3GL1P1	0.872936	1.11709	0.96934	0.303992	2.08361	0.83703	1.44528	1.02634	1.12109	0.542461	0.2746	1.03286	0.141622	0.841352	1.07859
SH3GL1P2	0.528063	0.545655	0.673377	0.269842	0.696953	0.331897	0.598779	0.449329	0.0416653	0.0859473	0.0918553	0.154661	0.00789703	0.360982	0.159732
SH3GL2	0	0.00408001	0	0	0	0	0.0870164	0	0	0	0.00955932	0	0.0163905	0	0.0121611
SH3GL3	0.174849	0.0370678	0	0.122527	0.184689	0.250122	0.111797	0.0683723	1.55877	0.447686	0.647416	0.450394	0.248186	0.4094	0.140619
SH3GLB1	11.1825	9.11898	10.1425	9.16802	2.69286	11.6388	7.32685	10.0523	7.93705	12.231	14.4362	6.25577	13.0193	8.08567	10.189
SH3GLB2	12.7614	23.3176	24.1875	12.8094	59.687	16.9619	18.7663	12.5101	50.8441	34.7805	23.3032	28.5151	25.1412	15.375	7.38267
SH3KBP1	2.94715	2.30959	3.15647	3.20886	3.17459	5.26534	3.09456	2.87642	1.51157	3.09899	4.17851	1.29287	3.28232	2.11794	5.10794
SH3PXD2A	10.7165	16.6928	14.1749	21.4237	34.8624	41.5145	18.584	10.8059	32.3332	20.5345	17.064	20.6276	29.7534	18.6859	33.6176
SH3PXD2A-AS1	1.30416	2.82763	2.18617	5.41125	2.22128	4.3737	2.27275	2.62306	5.43371	5.77205	5.95349	4.8868	4.50241	3.73689	1.57721
SH3PXD2B	7.39418	4.40436	5.43038	11.2564	9.41214	19.385	7.9189	6.66675	2.75672	8.16956	12.1537	4.03242	12.5914	7.34841	22.688
SH3RF1	3.49014	2.15177	2.85093	2.55483	1.93231	4.03851	2.936	2.37514	2.2859	3.22192	3.3147	1.94688	4.013	3.15886	3.24473
SH3RF2	14.3741	28.4172	25.0283	17.4855	26.4391	16.3515	35.6893	17.7424	45.5157	9.34503	7.85572	28.254	11.4331	11.9723	4.93685
SH3RF3	2.21884	1.42473	1.01205	1.40069	2.93709	3.00167	1.46899	1.22104	0.626698	1.40331	1.59738	1.03016	1.58211	2.23596	3.69145
SH3RF3-AS1	1.75528	0.98125	0.934241	0.831049	4.88415	1.79882	0.803511	0.454617	0.233951	0.829975	1.09244	0.473032	0.669375	1.30923	2.16028
SH3TC1	1.42555	0.888128	1.0454	2.97045	3.43106	3.63261	0.977783	0.955986	1.23376	4.32558	2.41686	1.22179	7.12902	3.47966	4.76199
SH3TC2	0.110578	0.0599905	0.0511413	0.122927	0.0797968	0.0822937	0.04573	0.0595826	0.028631	0.122395	0.0648717	0.0542014	0.359531	0.126507	0.0925316
SH3TC2-DT	0.058442	0	0	0.0301131	0	0	0	0	0	0	0.0329869	0	0	0	0.25179
SH3YL1	2.93849	3.15549	3.50075	3.16345	1.97397	2.11233	2.21845	3.82335	2.27668	2.24581	2.6487	2.48048	0.551423	1.78339	1.32394
SHANK1	0.0336976	0.111333	0.107526	0.0347264	0.314064	0.100426	0.140158	0.0641735	0.02052	0.093651	0.176616	0.0396118	0.0559068	0.0880593	0.400979
SHANK2	1.31302	0.55198	0.71216	0.519735	1.32707	1.37161	0.948149	0.869378	0.638056	2.18549	0.861367	2.11543	2.84296	0.99187	0.811709
SHANK2-AS1	0.143873	0.138641	0.170032	0.0953136	0.207522	0.0962549	0.246405	0.310524	0.0125158	0.322457	0.0696065	0.573552	0.0397827	0.316891	0.427999
SHANK2-AS3	0.151262	0.152386	0.216141	0.0425126	0.384483	0.081962	0.204107	0.183312	0.0334945	0.500511	0	0.432927	0.070977	0.229981	0.0592448

SHANK3	4.85564	3.09987	3.11584	7.07982	13.5969	15.8397	5.34174	3.24813	0.747195	2.90716	2.59997	3.67858	4.98079	6.7954	19.2237
SHARPIN	5.00837	5.62447	5.31352	8.37883	16.0941	12.9132	6.9261	3.12591	8.00866	7.10177	14.5159	6.7752	11.9636	7.00023	4.79511
SHB	3.5516	3.78912	3.27201	9.94624	10.2755	8.95787	2.86578	2.68154	14.6335	5.86148	6.0834	7.1755	10.5621	6.05281	3.06916
SHBG	0.014931	0.014388	0.012352	0.0615473	0.023193	0.203417	0.0340955	0	0.0545528	0.0374799	0.117987	0.0213671	0.00963341	0.0156072	0.0214428
SHC1	12.3437	9.48853	9.66451	33.4657	23.201	59.5335	11.3353	9.08037	16.3607	34.9616	40.4711	19.4805	44.6757	32.8323	29.2231
SHC2	1.00219	1.85547	2.04967	0.975404	7.6828	2.52844	2.06603	1.75658	0.282534	1.21126	2.45124	0.451501	1.07169	2.12424	3.14506
SHC3	0.698935	0.546803	0.744811	0.385773	0.850149	1.01677	0.535621	0.730647	0.0461681	0.65421	0.928091	0.0779828	1.26724	1.53919	1.84079
SHC4	0.584164	0.17377	0.168091	0.157043	0.331401	0.527685	0.179794	0.203148	0.0185595	0.0956329	0.126155	0.0327119	0.0819347	0.0716814	0.196967
SHCBP1	0.622998	1.45222	1.44453	1.31117	0.5452	0.975029	0.460854	0.350917	0.293879	0.958135	1.13913	0.276253	1.25682	1.09606	0.579667
SHCBP1L	0	0	0	0.00943791	0	0.0155964	0	0.00813914	0	0.0229892	0.0310158	0.019659	0	0	0
SHD	0	0	0.00743228	0	0.0418662	0	0	0	0	0	0.0101419	0	0.0057965	0.0187819	0
SHE	2.55275	1.00091	1.1426	1.45805	1.56401	3.09151	1.52143	1.01125	0.291749	1.03823	1.55494	0.637418	1.97545	1.90736	3.84344
SHF	1.33732	1.1097	1.35217	0.635479	2.839	1.96111	1.39118	1.11587	2.09922	1.00708	0.897413	0.956887	0.498525	0.648462	1.40841
SHH	0	0.0425746	0.0398727	0.00827823	0	0.02052	0	0.00713906	0	0	0.00906825	0.0229913	0	0.0125952	0.0115364
SHISA2	0.328441	0.0733343	0.139168	0.214638	0.0995477	0.470652	0.164635	0.163744	0.0390248	0.382064	0.795796	0.160493	0.677073	0.393556	0.483187
SHISA3	0.130331	0.0358831	0.0308054	0.0191871	0.0289213	0.0792679	0.180695	0.0330935	0	0.0116842	0.0315273	0	0	0.00973095	0
SHISA4	0.905658	0.617617	0.89907	0.516909	1.51502	3.67782	2.17946	0.495307	0.37332	1.04926	3.17723	0.259209	0.620285	0.786467	1.58078
SHISA5	8.0928	6.88037	7.28261	39.9355	14.1694	51.5396	8.98991	6.53725	7.3658	12.482	22.7459	7.73815	20.1879	12.1926	14.0153
SHISA6	0.08427	0.0887242	0.0774602	0.0771935	0.116356	0.196661	0.103344	0.0915349	0.0418128	0.125354	0.193784	0.290321	0.217482	0.0734054	0.103093
SHISA7	0.0651917	0.066516	0.0793105	0.00395188	0.0119136	0.0130611	0.0218923	0.0340806	0	0	0.00432902	0.0109756	0	0.00400847	0
SHISA8	0.0108348	0.0678646	0.0448164	0.0223311	0.0168301	0.42438	0.0618539	0.0962903	0.422257	0.0679937	0.207929	0.0697731	0.0279621	0.0169882	0.155601
SHISA9	19.6267	18.809	17.9659	9.554	6.33411	4.05725	11.404	19.1034	5.27107	6.40675	2.45526	10.3485	1.53662	12.81	11.2926
SHISAL1	0.391382	0.282861	0.320939	0.576692	0.890596	1.08455	0.631103	0.308163	0.0250873	3.11971	0.988286	1.17913	7.06385	2.1514	5.45804
SHISAL2A	0.0252103	0.0364401	0.0104279	0.0519599	0.0195801	0.0321994	0	0.0336072	0	0.0158208	0.0853778	0.00901932	0.0162656	0.013176	0.0543078
SHISAL2B	0	0	0	0.0246635	0	0	0	0.085078	0.0291475	0	0	0	0	0	0
SHKBP1	4.85368	4.74788	4.21769	11.9198	11.9172	16.8147	6.99426	3.49606	11.3338	9.46941	13.8637	7.91214	14.212	8.22396	9.27526

SHLD1	0.56026	0.275133	0.418921	0.588467	0.30125	0.568795	0.492067	0.335133	0.629847	0.662616	1.37439	0.470264	0.521361	0.320972	0.324936
SHLD2	5.54273	4.32992	4.93532	5.37509	0.609247	5.2867	3.17888	4.91081	2.50475	4.81259	5.8346	2.78132	5.07179	3.98559	5.52366
SHLD2P1	0.00053884	0.134315	0.111182	0.143496	0.00035496 8	0.146899	2.85E-08	0.119104	0.108526	2.25E-05	0.256054	1.95E-06	8.79E-06	0.0232607	0.00810674
SHLD2P3	0.66997	0.23074	0.130324	0.132736	0.0648244	0.242729	0.206088	0.668551	0.00925774	0.261002	0.185388	0.227559	0.0762905	0.0795883	0.130453
SHMT1	6.07919	7.51335	7.40773	7.36244	6.81526	9.93705	6.8547	3.87402	8.77586	3.52552	4.81991	4.65689	4.1238	3.93854	1.22459
SHMT2	3.88144	5.08053	5.45201	13.8497	7.20994	14.7762	5.78889	3.88068	4.72716	8.9718	14.8977	5.69915	18.589	10.8869	6.68907
SHOC2	6.60058	5.62307	5.65621	6.34248	1.70168	6.65147	3.62042	6.30628	8.52811	8.78858	10.0426	4.73862	10.8579	6.11688	6.04007
SHOX	0.010558	0.157697	0.266396	0.0163204	0.0205002	0.00224749	0.192876	0.0703728	0	0.00662566	0.0208576	0.00566588	0	0.00827708	0.0265345
SHOX2	0.538544	0.307915	0.457403	0.429189	0.479619	1.52855	0.770665	0.344602	0.0874516	1.00037	1.98597	0.12331	0.537414	0.964492	2.56775
SHPK	3.03437	2.89555	2.83009	3.52763	4.4352	5.64662	4.04542	2.54387	8.42284	3.96566	4.60032	4.06839	3.98302	4.09211	2.72784
SHPRH	3.83355	3.85281	4.00565	2.48378	1.45641	2.70765	2.55074	3.3078	1.62553	1.80104	2.38433	1.74907	1.30602	2.15182	2.55694
SHQ1	2.4297	2.1025	2.29908	4.01122	1.85552	4.22074	1.92056	2.19542	1.99912	2.43757	2.97216	2.57579	3.95839	2.56097	2.4157
SHROOM1	0.830375	0.935592	0.622895	1.8898	2.72043	1.53038	0.702116	0.457268	0.419023	0.633461	0.683956	0.895304	0.541281	1.4539	1.88065
SHROOM2	1.63085	1.24996	1.02186	3.59472	2.07823	2.95474	1.16896	1.15681	0.963675	1.29636	1.23758	1.45865	2.63249	1.35273	1.10166
SHROOM3	1.96797	1.1091	1.83307	0.634171	0.991791	1.41281	2.00956	1.82736	0.135569	1.34967	0.298741	0.303568	1.65592	0.466523	0.775183
SHROOM4	2.79348	1.08241	1.00962	1.50433	1.5756	2.72091	1.74132	1.34894	0.44814	1.54957	2.2163	0.816391	1.63999	2.30144	4.14411
SHTN1	3.15799	4.17963	4.638	4.64858	1.0901	4.61447	2.46612	3.95691	3.4947	4.37466	3.02803	3.24438	5.4736	3.03203	3.02912
SI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIAE	1.86391	1.7038	1.60324	4.89171	1.86435	2.20135	1.51963	1.91553	2.0685	3.1986	4.2061	2.77733	3.19811	1.84351	2.58652
SIAH1	5.81513	4.72541	4.96047	4.74199	3.89696	6.23646	4.22481	5.82375	14.174	6.66625	10.2541	5.65024	5.16954	4.44422	4.51379
SIAH2	6.3815	5.86237	6.16467	10.5304	7.73252	9.55208	6.06414	4.79193	25.9598	12.0902	14.613	10.9602	16.3259	9.8105	6.93149
SIAH3	0.0115889	0.00279186	0.00479358	0.00597135	0.0180016	0.0197356	0.0198478	0.00514963	0	0	0	0	0	0	0
SIDT1	0.485978	0.204619	0.264401	0.279734	0.32644	0.342973	0.169961	0.338514	0.042657	0.109901	0.128503	0.0595214	0.107342	0.0526292	0.389832
SIDT2	7.00629	8.20006	9.0082	4.37428	8.5591	13.5115	12.1029	7.62026	11.2193	4.55592	7.28132	6.00862	4.2274	4.87062	7.67454
SIGIRR	2.21783	1.64212	1.74145	2.04019	5.70281	4.45973	2.26042	1.42537	0.885094	1.69847	3.98886	2.25933	2.19085	2.04321	3.85089

SIGLEC1	1.51187	0.472908	0.495733	3.5455	2.71758	10.372	2.88619	1.32833	0.0922744	0.548952	1.2674	0.172495	0.253307	0.370787	2.49273
SIGLEC10	0.150014	0.149024	0.316775	3.84828	0.512627	0.847695	0.114515	0.23634	0.166091	0.348397	0.977594	0.141492	1.15706	0.120773	0.421085
SIGLEC11	0.00731218	0.0528468	0.0435268	0.0177841	0.107952	0.109169	0.111388	0.0972829	0.00193157	0.0108561	0.0412727	0.00638978	0.00943556	0	0.0315036
SIGLEC12	0.0196878	0.0189718	0.00814358	0.131878	0.030582	0.284987	0.0112395	0.0174969	0.0119888	0.160617	0.377827	0.0493051	0.495397	0.524776	0.282742
SIGLEC14	0.161768	0.0737629	0.167003	2.63311	0.658929	1.45712	0.521978	0.243346	0	0.754745	1.67334	0.10016	2.33E-27	0.347918	0.783612
SIGLEC15	0.246039	0.148182	0.127213	0.110928	0.143319	0.274967	0.158017	0.191327	0.056184	0.193003	0.312466	0.0550149	0.109136	0.0562585	0.353343
SIGLEC16	0.0894936	0.198349	0.196463	0.0346774	0.319695	0.0988922	0.140725	0.106204	0.0274888	0.118442	0.00673514	0.0246694	0.0230963	0.0966648	0.154229
SIGLEC17P	0.399528	0.313702	0.514139	0.198238	0.758518	0.0881982	0.236532	0.40767	0.108129	0.222866	0.601357	0.127055	0.229132	0.131474	0.127505
SIGLEC5	0.148878	0.061973	0.0801998	0.696816	0.146331	0.90414	0.0446147	1.17E-19	0	0.507677	0.711004	0.021131	0.44387	0.0873558	0.542503
SIGLEC6	0.580672	0.475908	0.614084	0.345467	0.511434	0.0101945	0.560467	0.707577	0.131232	0.225403	0.473045	0.235585	0.486654	0.275326	0.438452
SIGLEC7	0.0527778	0.0127146	0	0.544524	0.327928	0.407993	0.015065	0.0234522	0	0.409073	1.00254	0.018882	0.309634	0.144816	0.540112
SIGLEC8	0.109869	0.147466	0.162306	0.145572	0.292567	0.00668227	0.107524	0.0627699	0.0382308	0.0689482	0.0797323	0.0561528	0.01519	0.0287111	0.0112704
SIGLEC9	0.183311	0.0772819	0.113736	1.15706	0.640678	1.39503	0.156974	0.234186	0.0837197	1.03534	2.71603	0.0245933	1.1088	0.610767	0.921403
SIGLECL1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIGMAR1	6.20618	8.95147	11.2841	13.9466	9.90986	15.8989	12.6329	7.80476	6.43686	8.34219	16.2269	6.60852	15.6292	9.68201	7.78199
SIK1	11.0397	15.2773	20.7374	8.85517	8.32565	11.01	18.809	13.535	19.4651	10.8802	11.2789	33.4166	17.9595	13.2645	4.53149
SIK1B	4.1534	5.83067	7.79881	3.333	3.13287	4.14342	7.88671	5.09501	7.32581	4.53962	4.24521	12.9608	6.75416	4.98845	1.70545
SIK2	5.17514	4.20432	5.28153	3.68834	3.89418	8.26403	5.6281	4.30552	3.32808	3.65742	4.05398	3.12329	4.25433	3.90547	5.97351
SIK3	4.22473	4.78394	4.6245	5.57654	5.06896	6.79593	5.32972	4.02142	4.58804	5.95289	3.97838	5.1737	6.50774	5.15582	6.97065
SIKE1	3.60086	3.05223	3.44087	3.41874	1.13292	3.95324	2.26981	3.95205	4.46667	3.68776	4.98237	2.49003	3.85863	2.95586	2.40609
SIL1	4.76134	3.90947	4.46861	7.06611	9.8011	9.77379	4.8382	3.64175	5.41594	4.92395	7.81929	3.66507	6.21162	3.54104	4.81491
SIM1	0.399717	0.122811	0.148564	0.268644	0.755877	0.128249	0.238114	0.18534	0.134049	0.392624	0.732433	0.0538856	0.728835	0.0635812	0.016639
SIM2	0.0323362	0.0473443	0.0762184	0	0.0689006	0.0153412	0.0798559	0.036796	0.010764	0.00554648	0.0102358	0.0067346	0.00285121	0.0185288	0
SIMC1	1.06568	1.31137	1.33319	1.20653	0.719749	1.03931	1.26471	1.30837	0.844534	0.524286	1.07764	0.420917	1.0776	0.884662	1.01101
SIN3A	6.9618	6.8744	7.52293	5.89841	4.04693	9.45704	5.9152	6.65779	4.97511	3.6688	3.07559	3.69041	4.49596	3.9811	4.91108
SIN3B	4.062	5.43979	4.92169	5.3667	11.3575	8.6699	5.48461	3.76917	7.57027	4.9989	4.00705	8.20681	5.7254	7.3597	5.74977

SINHCAF	5.30176	5.646	6.57595	8.66019	1.66305	5.48219	3.56674	5.84573	6.76957	4.76751	7.73174	3.80408	7.55112	5.96728	2.66438
SIPA1	1.75477	1.7752	1.8133	3.14689	7.01326	5.51413	2.22457	1.27091	4.47959	3.86406	5.23078	1.62199	4.9598	3.10714	5.21951
SIPA1L1	3.56391	2.94729	3.05156	3.6573	2.5354	4.81759	4.05208	2.73259	3.93013	3.37363	3.44285	2.85903	4.1818	4.16098	6.24724
SIPA1L2	7.84177	4.58092	3.49895	14.1059	8.59097	11.1236	4.67695	4.28557	8.12809	13.9578	8.28624	13.5608	18.172	20.1605	6.91522
SIPA1L3	3.85332	6.10958	6.79938	5.19416	9.59663	6.11838	7.33155	4.45366	4.52366	1.94034	2.48053	3.47388	4.3839	3.52699	3.18477
SIRPA	7.99683	6.48508	7.5118	26.6962	10.742	31.4394	10.5874	6.49106	12.9001	17.5904	18.9341	10.5002	27.1452	12.9585	14.9994
SIRPB1	0.171157	0.066096	0.0998648	0.307672	0.202732	0.372695	0.130195	0.140833	0.102578	0.715326	1.48328	0.0778477	0.929575	0.185058	0.660113
SIRPB2	0.334933	0.263712	0.27708	0.850267	0.507577	1.28684	0.578287	0.348481	0.0397962	0.492147	0.977521	0.0526069	0.216097	0.35864	0.703912
SIRPD	0	0	0	0.0587428	0.0442724	0.0728054	0	0.0759887	0	0.143088	0.0321744	0	0.0367778	0.014896	0.122794
SIRPG	0.16184	0.0779768	0.0669425	0.138984	0.0209494	0.241157	0.0923916	0.119858	0	0.0169271	0.0761236	0.0289501	0.104418	0.0211461	0.116211
SIRPG-AS1	0.0248316	0	0	0.00852989	0.0257147	0.0074435	0.00945064	0	0	0	0	0	0.0106808	0.0259562	0.0713226
SIRT1	2.86291	2.61306	3.10609	2.65473	1.40135	2.63753	1.78621	2.72042	5.02998	2.67693	2.98462	2.32459	2.77575	2.1313	1.9771
SIRT2	6.55993	7.28344	7.86895	10.1303	14.1609	14.4243	9.31833	5.97569	18.2696	11.5511	16.76	11.8173	14.0666	8.4856	6.67772
SIRT3	2.57893	2.34056	2.15699	2.33634	4.31093	4.29161	2.12089	1.35672	1.44917	2.68703	3.12571	1.99915	1.88161	1.87162	1.62555
SIRT4	0.191265	0.276463	0.237342	0.354787	0.802171	0.407149	0.065514	0.101988	0.0465878	0.0960228	0.323871	0.0821131	0.0370209	0.229916	0.274681
SIRT5	1.22446	1.36712	1.20451	1.24566	1.1217	1.6508	1.03957	0.885904	0.731287	0.743782	1.01011	0.727302	0.481099	0.812252	0.580523
SIRT6	2.46486	2.41373	2.56817	6.2885	8.42333	7.27203	3.04249	1.75245	5.54951	4.2475	5.94107	3.42248	6.10337	4.51236	2.4492
SIRT7	4.06441	4.77334	3.60569	5.51117	12.0246	7.1948	4.03	2.60214	9.49291	7.2827	4.92025	7.28005	8.24655	6.12115	2.70729
SIT1	0.505552	0.189453	0.325289	0.617465	0.959807	0.414528	0.171029	0.34945	0.0228039	0.211507	0.591843	0.0803858	0.374503	0.127219	0.510915
SIVA1	10.7761	7.3181	7.99594	16.7968	22.0544	25.8146	8.73944	5.46869	7.34801	15.7478	32.8687	7.75353	12.0268	9.86782	6.07824
SIX1	0.344519	0.0497983	0.0427515	0.115387	0.561915	0.366692	0.19668	0.137781	0.0104896	0.421596	0.904236	0.0369769	0.372322	0.0855288	1.01428
SIX2	0.0107442	0.0414138	0.0622186	0.531467	1.40192	1.09783	0.196278	0.152777	0.104682	0.593344	1.28566	0.0538144	0.533773	0.443617	1.86704
SIX3	0	0	0.00758841	0.0189057	0.0284971	0	0	0.00815205	0	0	0	0	0.0118365	0	0.0131733
SIX3-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIX4	0.262512	0.15379	0.219084	0.162503	0.394022	0.371946	0.16936	0.153651	0.0452419	0.27684	0.562065	0.182631	0.178517	0.269554	0.514536
SIX5	1.91759	1.9784	2.34506	4.76849	8.21294	5.61423	1.90386	1.37694	0.863085	1.93588	2.09413	2.22715	3.16925	2.17147	3.00334

SIX6	0.0156902	0	0	0.0161692	0.0487446	0	0	0.0139441	0	0	0	0	0	0.0225331	
SKA1	0.57044	0.683961	0.684202	1.58251	0.872362	0.912159	0.643745	0.404927	0.277918	1.29699	1.74248	0.919539	2.01615	1.4913	0.903959
SKA2	1.65663	1.28122	0.999921	3.37778	0.574303	2.48217	0.966038	1.71871	1.35949	3.22148	4.77563	1.19554	3.90841	2.82416	1.91964
SKA3	0.254331	0.283021	0.151213	1.65942	0.0621933	0.950139	0.345814	0.169107	0.26071	0.626912	0.945121	0.380091	1.42255	1.03773	0.343358
SKAP1	0.763603	0.481121	0.643855	0.348059	0.501828	0.500152	0.536528	0.535071	0.0178843	0.0368616	0.248658	0.136595	0.151592	0.353043	0.632671
SKAP2	1.65811	2.56639	2.41167	3.32252	1.0858	2.87445	1.7385	2.25854	2.09198	3.32566	4.57552	2.26429	3.89469	2.36191	2.33456
SKI	12.9239	13.804	16.4316	13.7406	22.0092	22.1921	21.0484	13.4427	12.3074	8.47435	11.5544	10.0367	15.408	10.7561	15.3923
SKIDA1	0.161398	0.219768	0.20028	0.126552	0.185305	0.104565	0.220333	0.165264	0.0769165	0.110093	0.174276	0.105442	0.119979	0.0825198	0.0705441
SKIL	4.22143	4.08326	3.76068	5.2781	1.67516	3.069	2.72412	5.23306	14.8653	8.80788	9.7465	6.58514	10.1333	7.83119	6.44167
SKINT1L	0.107215	0.118075	0.152049	0.015784	0	0.0521668	0.0874387	0.163343	0	0.0384473	0	0.0109593	0	0	0.0219963
SKIV2L	0.526315	0.683804	0.661907	0.854086	1.56326	1.49803	0.779413	0.536797	0.750807	0.532875	0.481508	0.773482	0.942934	0.75091	0.789064
SKOR1	0.372845	0.205306	0.330476	0.0548897	0.330947	0.0982655	0.344617	0.268239	0.0324346	0.0668513	0.0200427	0.0698712	0.040093	0.0185586	0.165736
SKOR2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKP1	23.0995	18.3601	19.4358	30.7151	9.29698	30.3061	15.7525	22.0535	35.5165	33.2446	52.8119	24.6829	28.4911	21.9997	14.8755
SKP1P2	0.0122971	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKP2	1.42107	1.86838	1.73753	4.92102	1.64123	4.02107	1.57609	1.61418	1.06316	2.32468	3.92929	2.22116	3.94176	3.82294	2.07727
SLA	2.14987	0.631985	0.921018	2.61112	0.914382	3.92268	0.715939	1.62062	0.249362	2.2245	3.59705	0.343367	1.12288	0.825991	2.15021
SLA2	0.42589	0.253226	0.352326	0.289482	0.647479	0.432081	0.341422	0.281859	0.165538	0.125104	0.29665	0.129675	0.24555	0.322043	0.637659
SLAIN1	0.313185	0.14461	0.280679	0.100858	0.192567	0.290629	0.283088	0.226145	0.0397317	0.114648	0.114351	0.00466859	0.13471	0.0136403	0.196776
SLAIN2	7.07651	8.71129	9.22083	9.10974	4.79641	6.69762	6.55434	7.45923	23.7827	10.201	9.20981	7.79626	13.0414	8.08518	4.96527
SLAMF1	0.326991	0.111371	0.228534	0.319544	0.105089	0.278428	0.148052	0.280581	0.0137323	0.0495319	0.140016	0.0322718	0.360108	0.16206	0.75298
SLAMF6	0.320261	0.223338	0.306775	0.451631	0.18328	0.365989	0.0962272	0.307091	0.041057	0.116357	0.275908	0.0723648	0.168567	0.0925007	0.387314
SLAMF7	0.820619	1.18616	0.541794	4.14705	1.9856	1.21609	0.414423	1.01681	5.3911	7.12058	8.5779	3.89003	21.0362	4.60646	3.08227
SLAMF8	0.791772	0.781631	0.956811	3.21313	0.943961	3.60872	0.579318	0.832776	0.0948927	2.09233	5.21041	0.30452	2.10459	0.942484	2.60019
SLAMF9	0.0200199	0.00964591	0.0165619	0.0618934	0	0.10228	0	0	0	1.15585	2.2826	0.300821	1.75668	0.177876	0.172507
SLBP	6.16938	5.06081	6.15885	9.1145	5.62108	9.96771	5.26821	4.73643	7.02111	6.62407	11.3773	4.36988	11.4867	6.40003	4.54171

SLC10A1	0.383116	0.56061	0.48128	0.116981	0.396741	0.132904	0.388826	0.453976	0.172812	0.23152	0.0640726	0.233518	0.01831	0.237313	0.264913
SLC10A2	0	0.00885208	0	0	0	0.00521461	0	0.0108852	0.00745849	0.0230592	0	0	0	0	0
SLC10A3	5.78307	6.1971	6.77759	9.0167	11.8943	12.9762	8.26594	4.54944	24.9115	8.83101	12.3314	8.87365	11.1868	6.35841	4.73706
SLC10A4	0.0109268	0.0263236	0.0451973	0	0	0.00930406	0	0.00971087	0	0.0274286	0.0863453	0.00781845	0.00704994	0.0342651	0
SLC10A5	0.175726	0.152401	0.203522	0.0905451	0.109185	0.134665	0.0802551	0.234255	0.128408	0.132332	0.0198372	0.201178	0	0.0642893	0.0504728
SLC10A6	6.45602	8.67852	10.0954	13.9572	5.55273	6.69112	9.16571	7.73682	17.8084	11.6613	10.819	10.2532	27.4279	12.2647	3.20857
SLC10A7	0.70265	0.735895	0.749546	0.895598	0.22978	0.585701	0.650255	0.824939	0.941322	0.816915	1.06456	0.568918	0.827952	0.719008	1.11531
SLC11A1	0.210282	0.0868433	0.0546732	3.13908	0.559956	2.9825	0.157776	0.218918	0.00731714	3.9061	4.19149	0.0816796	1.65133	1.03308	2.84735
SLC11A2	4.91767	4.86668	5.45246	5.96152	2.73118	5.31383	4.39172	4.9084	3.55789	2.33058	3.99275	2.15115	3.71925	2.33913	3.54098
SLC12A1	0.0192658	0.0116032	0.0278916	0.00992699	0.00748161	0.0164046	0.0164978	0.0128414	0	0	0	0	0.0248604	0	0.0899214
SLC12A2	22.8227	8.74886	13.4236	3.01649	8.63175	13.2791	11.8768	18.4819	2.50684	3.29639	3.29682	2.42202	4.85726	3.47179	4.81319
SLC12A3	0.0124716	0.002003	0.00343912	0	0.0129151	0.00707958	0.00949308	0.00369456	0.00506298	0.00521769	0.00938589	0	0	0.00434545	0.00597024
SLC12A4	3.79725	6.68145	6.79413	9.13784	12.3993	14.8785	6.82835	3.94163	3.17752	5.21912	3.93572	5.22691	8.7771	8.90987	9.46922
SLC12A5	0.0184967	0.0516895	0.0673278	0.0114368	0.0402244	0.0157497	0.045269	0.0328766	0.00901075	0.0139291	0.0141716	0.0158818	0	0.00966718	0.0531272
SLC12A5-AS1	0	2.13E-38	0.0103347	0.0387352	0.0397049	0	0.0349938	0	0	0.0786524	0.0225734	0.0443778	0	0.0193355	0.0376608
SLC12A6	3.01323	3.46601	3.28593	3.72734	3.4862	3.12119	2.42718	2.95006	3.97485	6.92456	4.91053	4.90736	7.90703	4.78306	3.56822
SLC12A7	6.65406	4.49265	5.73934	2.97221	5.32731	8.8573	6.2473	3.33875	0.361354	1.35267	1.92593	0.780518	2.92498	2.14135	4.3488
SLC12A8	0.460886	0.526604	0.332256	0.983838	0.828416	0.919427	0.443532	0.315975	0.336784	0.735469	1.01083	0.343909	0.824115	0.788019	0.57679
SLC12A9	2.85587	3.41771	3.38313	3.97916	8.53696	6.59144	3.59879	2.13241	2.27619	2.62444	3.66956	2.84671	3.87223	3.43977	4.35829
SLC12A9-AS1	0.504481	0.3646	0.46951	0.194956	0.391816	0.429559	0.576	0.112085	0.1536	0.395734	0.498309	0.180485	0	0.032958	0
SLC13A1	0.0108006	0.0103954	0.00891378	0.005549	0.00836923	0.00919121	0.0184573	0.019261	0.00657821	0.0203083	0.00607855	0.00386204	0	0.00846696	0.0231989
SLC13A2	1.44371	0.463733	0.883085	0.00901686	1.75328	0.417216	1.5285	1.38413	0	0	0	0	0	0.00457299	0.0125657
SLC13A3	0.322418	0.431809	0.402351	0.191472	0.271635	0.614213	0.311972	0.291395	0.0865202	0.164611	0.265266	0.0703826	0.123403	0.174222	0.565057
SLC13A4	0.158731	0.336509	0.275759	0.43348	0.456145	0.324379	0.217481	0.324455	0.309307	0.348643	0.179188	0.539489	0.056327	0.506056	0.5471
SLC13A5	0.0211095	0.0542447	0.0407476	0.10877	0.153022	0.191728	0.0482043	0.0312673	0.317078	0.353261	0.81022	0.26181	0.281475	0.54796	0.0808424
SLC14A1	1.44872	0.873776	1.38386	0.0912954	0.226655	0.106495	0.821101	1.61633	0.0507735	0.0588656	0.0647111	0.048474	0.0235358	0.049025	0

SLC14A2	0.119709	0.0996421	0.0523655	0.0696049	0.105313	0.0625601	0.136531	0.115419	0.0126535	0.0456702	0.070372	0.111991	0.0268135	0.0574162	0.0759819
SLC14A2-AS1	0.0570201	0.00343415	0	0	0	0.0424829	0.0162759	0.0126687	0	0	0	0	0	0.0074503	0.0409441
SLC15A1	3.85594	4.92099	5.60836	8.22952	4.08121	3.54796	4.92651	4.46607	40.2549	4.01288	7.33556	9.26208	1.50416	1.75612	0.786533
SLC15A2	0.255609	0.151421	0.145594	0.0906828	0.13018	0.257018	0.081334	0.197372	0.0204133	0.105185	0.122989	0.0239862	0.0405535	0.124873	0.0361068
SLC15A3	2.61398	0.922197	1.14005	4.19283	3.85656	11.7063	1.41111	1.07892	0.199804	2.27873	3.01259	0.203472	2.992	1.78347	4.28805
SLC15A4	3.16153	3.02256	3.3225	5.16499	3.40286	5.89979	3.40129	2.78021	3.76954	4.06178	6.43539	2.56497	6.54771	3.69069	3.77767
SLC15A5	0	0.00762961	0	0.0163186	0	0	0	0.0211094	0	0	0.00893795	0	0	0	0
SLC16A1	3.68365	3.99403	4.42131	23.3895	3.04197	14.0709	3.27187	2.95649	4.26889	14.4425	12.8276	5.33531	22.2481	15.7052	4.99825
SLC16A1-AS1	0.954035	1.17883	0.942002	1.14174	1.36243	0.707529	0.878457	0.518722	0.112443	0.366949	0.677459	0.440411	0.287913	1.06158	1.12703
SLC16A10	2.32951	1.92852	2.83442	1.70767	0.360611	1.0838	3.33613	3.23703	0.594716	1.8889	3.71416	0.19475	0.65078	1.03342	1.59801
SLC16A11	0.539106	1.23072	1.11497	0.343921	2.55213	0.852506	0.923301	0.695854	0.922325	0.193324	0.217351	0.303085	0.115943	0.221383	0.42398
SLC16A12	0.350501	0.060313	0.062134	0.0980403	0.0544448	0.123642	0.097189	0.0444994	0.0914722	0.0628449	0.0226098	0.0931515	0.0904565	0.00785087	0.122245
SLC16A12-AS1	0	0	0	0	0	0	0	0	0	0	0	3.92E-27	0	0	0
SLC16A13	0.595788	1.26306	1.46768	1.92379	4.17487	1.67975	1.58725	0.823646	2.69279	1.87775	2.55577	1.8852	2.66517	1.40469	0.703515
SLC16A14	2.39429	2.48469	2.17662	0.520591	1.44679	1.20978	1.72435	2.4365	0.724187	0.435902	0.653438	0.553488	0.39044	0.376783	0.491215
SLC16A2	1.9896	1.11211	1.03565	1.01941	1.95329	2.09385	1.58888	1.21687	0.626196	1.90092	2.31541	0.739798	3.16232	1.69122	2.82521
SLC16A3	0.580982	0.503056	0.535936	5.99141	2.68854	9.05002	0.835753	0.554499	0.51892	9.65238	17.5484	1.52787	11.0749	6.59111	7.49267
SLC16A4	0.751341	0.702968	0.556515	0.513185	0.366413	0.915001	0.758106	0.892894	0.106401	0.625018	0.877758	0.168783	0.264928	0.461175	1.3676
SLC16A5	2.43324	2.12919	2.1664	2.26015	4.66102	3.61416	3.43848	1.88124	3.2159	2.21858	2.62365	1.3741	1.69663	1.96745	2.13114
SLC16A6	1.52142	1.90874	1.39417	1.06132	0.499925	1.4001	0.761653	1.93975	3.22121	1.56435	3.42178	1.70829	0.879673	0.880787	0.840363
SLC16A7	1.3837	1.34053	1.40639	1.75364	0.4316	2.07354	1.79348	1.78323	1.99371	2.64932	3.10234	3.02214	3.27186	2.92563	2.62357
SLC16A8	0.451631	0.582235	0.525089	0.213841	0.7205	0.374165	0.515658	0.357981	0.208122	0.107241	0.179131	0.323154	0.0551279	0.108452	0
SLC16A9	3.66888	0.301807	0.31462	1.49276	0.225877	1.80488	0.312899	0.407575	0.817369	2.27433	1.97615	1.37662	4.09195	3.28846	1.004
SLC17A1	0	0	0	0	0	0	0.0143375	0	0	0	0	0	0	0	0
SLC17A2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLC17A3	0	0	0	0	0	0	0.014615	0	0	0.0160658	0	0	0	0	0

SLC17A4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLC17A5	1.94837	1.80012	2.61128	1.80635	1.50783	4.61432	3.03788	2.4701	1.82858	3.90915	7.74151	1.28918	3.74421	2.48554	2.91846
SLC17A6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLC17A7	0.676561	0.277268	0.353833	0.136238	0.39863	0.490001	1.17203	0.23498	0.0473549	0.126885	0.263363	0.0779007	0.155539	0.170704	0.547238
SLC17A8	0.00581046	0	0	0	0	0	0.00663419	0	0	0	0	0.00415754	0	0	0
SLC17A9	0.226722	0.340318	0.396762	0.575122	0.921078	0.579151	0.477902	0.247989	0.138061	0.755176	1.39783	0.492916	0.466969	1.58145	3.25601
SLC18A1	0	0	0	0.00806547	0	0	0	0	0	0.0098231	0	0	0.0100993	0	0
SLC18A2	1.37472	1.9986	2.67009	1.48444	0.427082	0.524204	1.71292	2.53377	1.89263	1.92046	2.17264	1.32578	3.34345	1.30577	2.15453
SLC18A3	0.0669427	0.00460772	0.00791139	0.0689864	0.0445651	0.276861	0.021838	0.0339961	0.011647	0	0.107957	0	0	0.0349872	0
SLC18B1	4.2755	2.92447	2.93697	4.69124	2.35708	5.2739	2.57157	2.73104	1.94103	2.44353	4.05082	1.65936	2.94325	2.49892	3.17972
SLC19A1	0.313407	0.313309	0.368596	0.923627	0.628213	1.75077	0.612163	0.296928	0.111335	0.500313	1.20102	0.170207	1.21096	0.567269	0.720472
SLC19A2	2.90243	2.86128	2.95924	2.6106	2.0565	2.50932	3.59006	3.28653	12.0464	5.77583	6.56729	6.09825	6.05323	5.10305	1.74592
SLC19A3	0.294894	0.106563	0.101649	0.823054	0.534418	0.967776	0.385803	0.185638	2.13244	0.269881	0.714345	0.329695	0.384492	0.272929	0.317629
SLC1A1	0.736567	0.52786	0.435243	0.618724	0.451888	1.01719	0.501766	0.632596	0.120613	0.660334	1.28567	0.279018	0.307501	0.608175	1.16447
SLC1A2	0.0967628	0.194556	0.295565	0.0690348	0.0664815	0.0760544	0.327192	0.148837	0.0158639	0.053717	0.0315096	0.0173091	0.0936463	0.0651606	0.0881885
SLC1A3	2.38426	1.96507	1.27165	2.99163	1.07929	2.22063	1.0324	2.05126	0.307185	1.73219	3.42218	0.561857	1.77167	1.44261	1.7428
SLC1A4	3.90885	5.39338	5.46158	12.1145	7.78724	9.70878	5.75159	3.10364	7.42689	5.62942	4.95937	5.95771	6.9753	4.22252	3.17198
SLC1A5	15.0944	9.04636	7.46479	20.0857	9.85625	31.0649	9.05794	8.7826	5.49469	9.11457	12.1827	7.48942	29.2722	14.0912	7.79589
SLC1A6	0.0225346	0.323011	0.480037	0.127724	0.358791	0.0623608	0.604639	0.270363	0.260724	0.0212124	0.082676	0.0362793	0.0109044	0	0
SLC1A7	0.372964	0.139422	0.132992	0.0397604	0.439501	0.20259	0.462548	0.194304	0	0.0242125	0.0145183	0.0276068	0.0290421	0.0571338	0.572563
SLC20A1	3.61846	2.12976	2.50021	5.21908	2.07583	9.00979	2.81689	2.12558	3.97286	7.56063	8.13863	7.49761	15.3297	8.91139	7.31259
SLC20A2	7.62659	6.84222	8.607	10.4007	5.01618	9.12779	6.76517	5.89345	23.1557	12.5532	9.15577	9.94652	24.6487	11.8876	5.61709
SLC22A1	0.315697	0.228162	0.321437	0.0625645	0.169749	0.206779	0.318862	0.129492	0.0739392	0.213356	0.013707	0.104257	0.0235023	0.177689	0.296442
SLC22A10	0.00895282	0.00862721	0.0444384	0	0	0.0152464	0	0.00795653	0	0	0	0	0	0	0.0257148
SLC22A11	0	0	0	0	0.00925332	0.0101447	0.00680154	0	0	0	0	0	0	0	0.0342202
SLC22A12	0	0	0	0	0	0	0	0.00640536	0	0	0	0	0	0	0

SLC22A13	0.0271208	0.130672	0.0897448	0.111795	0.196597	0.0384883	0.0619312	0.0321369	0.03303	0.363086	0	0.155245	0.0174982	0.41106	0.0259659
SLC22A14	0	0.0148808	0.0255501	0.084874	0.0159916	0	0	0.0182986	0.0125381	0.0775273	0.0464869	0.0662968	0.00664225	0.0968507	0.0147849
SLC22A15	1.00025	1.3395	1.27367	1.37438	0.822565	1.13978	1.25962	0.90637	1.30179	1.63081	1.56643	1.65244	1.12937	1.31719	1.4224
SLC22A16	0.0233179	0	0.00964512	0.0240298	0	0.268041	0.0133118	0.0103615	0	0.117066	0.210584	0	0.0376115	0.0853088	0
SLC22A17	1.82659	2.26824	2.63271	0.92177	2.95432	4.07268	2.33279	1.65679	0.286672	1.46534	3.79449	0.747804	0.868692	1.24991	3.25873
SLC22A18	1.74415	2.70073	2.56136	1.66104	3.92376	8.13673	4.10643	2.21283	2.27067	1.79656	4.42669	1.9021	2.12646	1.0373	1.86566
SLC22A18AS	0.171132	0.184309	0.24651	0.145235	0.344011	0.767721	0.252861	0.223658	0.0735597	0.30323	0.511376	0.158464	0.227322	0.210449	0.245767
SLC22A2	0.009213	0	0	0	0	0.00784475	0	0	0	0.0115633	0	0.00659215	0	0	0
SLC22A20P	0.253142	0.30492	0.338289	0.180603	0.196609	0.232128	0.311263	0.302847	0.0948612	0.0855399	0.043964	0.195063	0.0125635	0.086506	0.0699124
SLC22A23	5.81769	8.9294	7.15464	17.0654	15.1407	12.7709	7.33244	5.55596	22.3599	15.8211	11.1837	17.3068	23.2595	11.8169	5.14813
SLC22A24	0.0185888	0.0179127	0.0384449	0	0	0	0	0.0165202	0	0	0	0.00665039	0	0.00485766	0
SLC22A25	0.010071	0.0436711	0.0249942	0	0	0	0.0344961	0.0179005	0	0	0	0	0	0	0
SLC22A3	2.75632	2.27761	2.33929	4.08409	2.63989	3.20428	1.99749	2.6717	1.24361	1.80143	1.58801	3.36708	2.35886	2.77664	0.574278
SLC22A31	0.0124425	0.0599499	0.0720532	0.0384671	0.0966375	0.13773	0.113652	0.0442314	0.151536	0.0156166	0.014046	0.0356118	0.00802784	0.013006	0
SLC22A4	1.12305	0.443008	0.436715	0.682057	0.534436	1.31629	0.397806	0.513318	0.104483	0.739667	1.30705	0.233071	0.837869	0.659135	1.19784
SLC22A5	1.47259	1.77972	1.73064	1.27581	2.14936	1.38234	1.18246	1.0883	0.713675	0.563261	0.584553	0.705237	0.810735	0.895127	0.634584
SLC22A6	0	0.0351281	0.0344655	0	0	0	0.011892	0	0	0	0	0	0	0	0
SLC22A7	0	0.0174297	0.022445	0	0.0140481	0.0154013	0.0103259	0	0	0.0227018	0	0	0	0	0
SLC22A8	0.0105966	0.0153169	0.00876628	0	0	0.0270687	0.0241978	0	0	0	0	0	0	0	0
SLC22A9	0	0	0	0	0.0155759	0	0	0	0	0	0	0	0	0	0
SLC23A1	0.519518	0.647033	0.632509	0.414161	3.63907	0.217008	0.671512	0.670778	4.21412	0.258359	0.431554	0.5611	0.240325	0.174184	0.0985406
SLC23A2	4.71974	3.89231	3.63325	5.80695	3.49503	7.15232	4.63991	3.42795	2.26092	3.70084	4.45799	4.29476	5.71789	4.88031	5.13431
SLC23A3	0.200994	0.479599	0.506748	0.266311	1.08531	0.171144	0.458977	0.229663	0.186505	0.384409	0.0324139	0.451996	0.0679279	0.800369	0.384871
SLC24A1	1.49905	1.38114	1.46067	1.33163	1.33986	1.83242	1.15664	1.46862	0.368523	0.750837	0.812745	0.547842	0.878005	0.860551	1.24374
SLC24A2	0.00426994	0.0401177	0.0406225	0.00660044	0.00331634	0.0254506	0.0121882	0.00948691	0	0.0294756	0.0241011	0.00458288	0.0922905	0.16849	0.177833
SLC24A3	4.15968	2.74108	2.15135	7.19964	8.36564	7.78815	2.70423	2.8453	7.50844	3.12204	3.54029	4.20693	4.17353	2.45395	2.63224

SLC24A4	0.060946	0.0180872	0.021331	0.0555597	0.0473494	0.0878218	0.0749389	0.0729126	0.00285482	0.0500149	0.063508	0.0117407	0.0544459	0.0318646	0.104358
SLC24A5	0.385749	0.73678	0.909712	0.513809	0.22232	0.93534	0.870866	1.02569	0.564217	0.0995732	0.0969411	0.249073	0.0827239	0.0455431	1.26E-12
SLC25A1	7.09991	8.72117	9.23833	17.2684	18.7136	24.961	10.2382	5.43255	12.2244	15.1802	20.3525	10.5009	16.873	11.4305	6.59261
SLC25A10	2.48493	3.75733	2.57675	6.60848	10.7439	8.58062	3.76551	2.10663	5.66222	3.82309	6.69621	5.07188	4.47729	4.43485	1.46365
SLC25A11	8.2636	9.57155	9.59792	13.5623	19.1144	17.677	11.6809	7.06022	22.0103	10.2113	21.1423	9.93634	12.6354	10.1822	7.28189
SLC25A12	6.72647	3.93262	3.69694	3.28097	1.54659	4.20438	3.50291	4.08984	1.70608	2.39031	3.80971	1.6692	3.11855	2.20553	2.59374
SLC25A13	4.50107	4.2326	3.8495	6.22194	2.25175	5.72725	3.43438	3.00817	8.55367	5.79484	5.68664	5.53363	8.29598	4.76926	2.59187
SLC25A14	1.08877	1.04917	1.34008	1.43672	0.433122	1.20972	0.742843	0.96761	1.326	1.48318	1.87361	0.988057	1.36211	1.1936	1.10597
SLC25A15	1.48432	1.22094	1.17361	1.71785	1.49017	1.98901	1.12291	0.984403	2.93776	1.56137	2.51089	1.22139	2.13056	1.61653	1.1641
SLC25A16	2.59728	1.84031	1.8629	2.27269	1.07311	2.27377	2.33599	2.20199	1.56946	2.20103	3.37444	1.34985	2.19863	1.9789	2.98593
SLC25A17	1.91692	2.12976	1.97683	3.53594	1.69956	3.76381	1.8189	1.68026	2.21733	2.71354	5.12827	1.87892	3.32633	2.8043	1.83529
SLC25A18	0.227105	0.218845	0.214717	0.111447	0.0839933	0.138126	0.246953	0.18261	0.105367	0.108587	0.0366247	0.0619046	0.0418648	0.15826	0.124248
SLC25A19	0.350249	0.682898	0.519129	1.35771	1.01929	1.81059	0.608345	0.31224	0.956687	1.22116	2.46907	0.682549	1.69786	0.954753	0.888503
SLC25A2	0.435444	0.637181	1.04066	0.282539	0.425878	0.0274648	0.93911	0.429985	0.0589247	0.0607252	0.036412	0.219254	0.0520271	0.269727	0.0463224
SLC25A20	2.04275	1.36142	1.29526	2.11772	3.30611	4.02036	1.56421	1.4893	2.21969	2.54851	4.26682	1.12905	2.62016	1.70054	1.63371
SLC25A21	0.153237	0.100941	0.0570585	0.130918	0.0103094	0.216391	0.076317	0.0553632	0.0214231	0.0935965	0.00791608	0.0251727	0.204286	0.0721855	0.143151
SLC25A21-AS1	0.325491	0.190911	0.154171	0.0854376	0.302316	0.386297	0.382616	0.248668	0	0.0374877	0.396082	0.00936622	0.0506735	0.00988295	0.0751954
SLC25A22	1.10386	2.43045	2.61842	3.98614	5.2692	5.1547	2.79823	1.71579	2.39704	2.64067	2.79167	3.6457	4.79867	2.90507	2.41164
SLC25A23	5.87941	6.3359	6.77841	3.86005	7.57426	6.64081	8.56107	5.12407	7.10343	1.33481	1.72912	2.42649	2.23545	1.87726	1.44088
SLC25A24	2.98561	2.47664	2.35699	6.11076	1.7887	4.39704	2.1009	2.86437	3.88193	7.718	11.6387	3.12587	9.06472	4.77742	4.3133
SLC25A25	3.12261	2.22507	2.98836	3.48382	3.8444	5.35811	2.97608	1.96551	9.95304	5.08238	4.3929	7.56193	7.40313	4.96483	4.66594
SLC25A25-AS1	1.524	1.95616	1.90359	0.831818	2.09594	1.39512	2.19918	1.73449	0.286111	0.498984	0.1564	0.797372	0.178777	0.900399	0.553651
SLC25A26	2.69128	2.03778	2.2878	2.61068	1.81957	2.94007	1.82585	1.70175	1.54551	1.98685	3.39967	1.30962	1.9499	1.56803	1.35323
SLC25A27	2.34841	2.87542	2.59676	1.00638	1.98647	0.956922	1.47783	1.94242	0.245421	0.573934	0.734947	1.19787	0.180021	0.777746	1.21325
SLC25A28	6.93547	7.57959	7.36273	14.9539	11.6979	16.6265	4.52012	5.02617	11.9449	7.93887	9.25737	8.74298	9.92891	8.2141	6.19842
SLC25A29	3.26553	3.03655	4.1526	1.72906	3.0909	3.10527	3.40393	2.27365	0.683954	1.18346	1.64361	0.491128	1.00201	1.13056	1.21475

SLC25A3	46.1493	32.468	33.0848	90.8606	35.4016	102.311	46.0504	27.0702	58.7255	71.6818	99.0014	46.7684	97.6992	58.5669	40.0733
SLC25A30	2.68479	1.98812	2.41987	2.45866	1.07447	2.31577	2.29447	3.0006	1.89903	2.42794	2.89182	1.78263	3.69888	1.89645	1.85208
SLC25A30-AS1	0.099043	0.0968427	0.191183	0	0.358979	0.113694	0.15766	0.0888202	0.0804155	0	0.111807	0.0708679	0.0213007	0.0345095	0
SLC25A31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0526725
SLC25A32	3.20953	2.21079	2.5741	3.88628	1.3364	4.14509	2.12014	2.52317	2.46232	3.4644	6.58806	1.97503	5.48607	3.67965	3.2845
SLC25A33	1.66326	1.1601	1.15319	1.71404	0.639752	2.09064	1.06709	1.28108	2.99026	1.47123	2.44984	0.906747	1.83964	1.71375	1.2057
SLC25A34	0.593391	0.406102	0.25544	0.31044	0.792202	0.480947	0.490129	0.435046	0.256817	0.264664	0.106374	0.483831	0.12767	0.385061	0.465071
SLC25A34-AS1	0.0441577	0.0366909	0	0	0.129547	0.0622623	0	0.0649846	1.06E-39	1.09E-39	0.309045	0.0579138	0.0406931	0.0797105	0.26253
SLC25A35	0.678285	0.669384	0.425406	0.373258	1.07098	0.791118	0.873221	0.467929	0.270777	0.383681	0.525816	0.396746	0.303537	0.316766	0.562752
SLC25A36	5.79939	3.63399	4.17749	2.78869	1.34973	4.02916	3.39585	5.82482	0.925208	3.06609	5.20714	1.30743	2.14318	2.37189	2.9949
SLC25A37	2.86713	2.92081	2.8101	3.09764	2.87332	3.11073	3.1584	2.03247	2.4064	2.32165	2.86647	1.33258	2.09127	2.57514	3.34476
SLC25A38	3.1691	2.1086	2.4166	3.38804	3.44924	4.3781	2.3261	2.06921	1.11587	1.75878	3.90607	1.21863	2.41329	2.30418	1.85764
SLC25A39	15.1294	16.7093	14.7684	48.1193	49.2913	32.2537	18.9567	13.1339	50.1324	42.0471	55.4201	38.4804	55.1474	34.4301	14.6933
SLC25A3P1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLC25A4	1.90066	1.33959	1.5507	1.38673	0.829596	2.31835	1.8174	1.15402	0.656815	0.65717	1.13487	0.614424	0.891853	0.725187	1.0377
SLC25A40	1.82462	1.88632	1.98646	1.80656	0.411894	1.99224	1.5965	2.58568	0.726619	1.37746	2.13695	0.843258	1.69726	1.01246	1.06839
SLC25A41	0.070173	0.0879071	0.313481	0	0.0436012	0.0239006	0.064097	0.0374183	0.0512777	0	0	0.0200843	0	0.00733509	0
SLC25A42	0.981232	1.16505	1.17123	0.606713	1.56774	2.27974	1.16835	0.921868	0.563372	0.650961	0.894063	0.521558	0.402462	0.54214	0.825372
SLC25A43	2.61997	4.71186	5.07237	6.27177	5.90674	4.22935	3.24068	4.13131	9.83838	6.93061	8.95501	5.35709	9.34997	4.21728	3.97164
SLC25A44	2.91103	3.19883	3.46964	5.88757	4.44663	6.03959	4.22202	2.81298	7.23799	4.00305	5.41777	3.7891	6.37262	4.66236	3.55483
SLC25A45	0.612647	0.587353	0.548198	0.405868	1.13616	1.1764	0.578158	0.505579	0.296931	0.40016	0.635145	0.322064	0.363009	0.30386	1.32874
SLC25A46	4.45393	3.56331	3.74163	4.14468	1.685	4.09777	3.40599	5.06939	5.06615	4.91516	6.77656	2.88105	5.69997	3.6803	2.88467
SLC25A47	0.0125641	0.0484286	0.0311817	0.0129477	0.0195164	0.0213963	0	0.0111659	0	0.0157692	0.0141833	0	0.0162126	0.00656654	0.0541309
SLC25A48	0.705209	1.24804	0.768516	0.181685	1.69593	0.259821	1.20003	0.699046	0.272524	0.297873	0.382737	0.354187	0.0874994	0.262254	0
SLC25A5	68.6825	42.796	40.3267	88.8806	41.5559	101.982	56.7153	41.3612	150.69	63.7233	101.831	70.2433	77.8517	64.7883	29.5166
SLC25A5-AS1	0.45405	0.443789	0.535443	0.240989	0.236254	0.250961	0.353145	0.347377	0.283719	0.199087	0.144947	0.151341	0.0876452	0.366392	0.325041

SLC25A51	1.71255	1.89172	1.8634	2.18045	1.25405	1.59912	1.5637	1.55109	1.08101	1.66767	2.33971	1.43815	2.6922	2.22102	1.92276
SLC25A51P1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLC25A52	0.0226352	0.0341388	0.0573701	0.0686601	0.0355936	2.53E-39	0.0558272	5.25E-40	4.10E-31	1.21E-38	0.0520409	0.0504098	0	0.0245365	1.02E-37
SLC25A53	0.0334652	0.0268734	0.0430652	0.0459825	0.0346554	0.0569904	0.042455	0.0330457	0.00452854	0.0233346	0.0293829	0.00798175	0.0431832	0.0446976	0.117481
SLC25A6	49.5221	39.1476	41.9422	72.8827	77.0945	85.6096	42.3514	35.8478	45.3173	36.886	74.3454	31.7687	41.0171	38.5281	32.5421
SLC26A1	0.296944	0.726581	0.669073	0.325757	1.28233	1.09369	0.72466	0.388754	0.027525	0.193717	0.0974836	0.27689	0.223863	0.43593	0.851754
SLC26A10	0.177088	0.147038	0.0955983	0.08758	0.220528	0.602049	0.190131	0.0866493	0.0117001	0.17997	0.223442	0.0568179	0.0123967	0.189033	0.739205
SLC26A11	1.50092	2.01612	2.20115	1.53894	3.49718	2.76259	1.89546	1.2059	1.17248	1.42713	1.7457	1.40481	2.02481	1.43023	1.6874
SLC26A2	4.14999	1.79239	2.71713	2.1856	1.07736	6.46211	2.8142	3.62703	0.830734	2.0108	3.68185	1.07047	2.1413	1.80497	3.10343
SLC26A3	0	0.00770606	0.0132312	0.00824105	0	0	0	0.014214	0.00973933	0.0301108	0	0	0	0.00417953	0.0114846
SLC26A4	0.182691	0.0747432	0.0816752	0.277578	0.0364983	0.210713	0.0647522	0.146123	0.00571949	0.0707707	0.116632	0.0302781	0.0727197	0.053566	0.0810771
SLC26A4-AS1	0.0731308	0.0200758	0.0147728	0.0122683	0	0.092781	0.0271852	0.0846404	0	5.70E-36	0	0	0.0115214	0.0130536	0.0170969
SLC26A5	0.232634	0.328529	0.331812	0.107468	0.112146	0.040983	0.357205	0.3422	0	0.0100683	0.027167	0.0516587	0	0.00419257	0.0115204
SLC26A6	0.953135	1.67754	1.31634	2.91423	2.87545	3.09877	0.944356	0.728057	0.738698	1.82903	2.45428	1.87689	2.54623	4.28162	4.73997
SLC26A7	0.132625	0.082695	0.0613123	0	0.00605919	0.0972196	0.0445373	0.246132	0	0.00489582	0.0220172	0.0139554	0.00251673	0.00611608	0
SLC26A8	0.0320719	0.0216338	0.0265321	0.0727122	0.0597824	0.0163853	0.0219712	0.0342034	0.015624	0.0080507	0.0289641	0.013769	0.0289696	0.0402292	0.00921185
SLC26A9	0.342467	0.720446	0.949695	6.19856	1.49102	1.39642	0.7545	0.664439	3.11346	1.86462	0.451944	1.33911	2.56124	0.514275	0.464117
SLC27A1	2.65945	3.45938	3.40934	2.35576	7.19183	5.02794	3.35998	2.50657	0.933247	1.16382	1.6065	0.838571	1.09683	1.68948	3.48639
SLC27A2	0.0580754	0.130581	0.176162	0.129672	0.0451056	0.222527	0.0994629	0.111827	0	0.085039	0.0655599	0.0207773	0.0686949	0.0607055	0.23631
SLC27A3	4.56625	4.55038	4.45981	5.35862	9.32705	8.52126	4.06522	3.36983	1.16368	2.75195	3.58787	2.74191	4.80204	4.18427	5.09883
SLC27A4	6.03197	8.65957	7.02084	13.9993	24.0148	14.909	14.5596	5.1419	46.2911	19.0132	15.2045	17.8911	27.5275	11.6225	6.03163
SLC27A5	0.489282	0.414909	0.234766	0.171435	0.562418	0.24997	0.469263	0.278293	0.154932	0.171948	0.408731	0.140038	0.183096	0.189233	0.0843205
SLC27A6	0.494234	0.838631	1.28585	0.0738149	0.033379	0.115882	0.0654261	0.693862	0.0436175	0.00899007	0.0242578	0.0102504	0.0184856	0.018718	0
SLC28A1	0.0252103	0.0182201	0	0	0.0783206	0	0	0.0168036	0	0	0	0.00450966	0	0	0
SLC28A2	0.248242	0.236285	0.287347	0.119499	0.264684	0.0662108	0.273836	0.151929	0.0700663	0.0834746	0.0427633	0.116575	0.0182552	0.217424	0.206938
SLC28A3	3.25052	2.54613	2.9834	4.71245	1.56853	2.65723	3.11839	3.71353	7.34359	9.42072	5.30872	8.0682	7.95135	7.15476	1.89212

SLC29A1	9.20293	7.14613	9.47337	5.44106	5.32313	9.14987	14.739	7.71713	1.78462	3.65884	7.36067	2.19129	6.57301	4.75315	5.11071
SLC29A2	0.59301	0.746739	0.804129	0.474629	1.37892	0.721834	0.624139	0.498206	0.130717	0.206977	0.194962	0.363475	0.148097	0.302722	0.0805033
SLC29A3	0.841878	0.591888	0.540112	0.610847	1.04084	1.37518	0.647358	0.496249	0.481269	0.808656	1.96863	0.338074	1.13623	0.565717	0.9623
SLC29A4	0.248161	0.31242	0.271521	0.527974	0.858005	1.71771	0.301623	0.313032	2.00839	0.442084	1.34649	0.687352	0.330555	0.619213	0.517342
SLC2A1	32.1883	45.8067	49.0484	75.1028	60.2218	97.0588	39.8639	55.3894	103.051	156.95	169.412	109.858	130.553	113.361	20.2067
SLC2A1-AS1	0.535338	1.8849	1.70334	0.42437	0.927514	0.806473	0.893338	0.933228	0.752286	0.801116	0.697303	1.10495	0.544665	0.73176	0.325267
SLC2A10	1.5957	0.753033	0.958408	1.52615	1.57039	4.10871	1.41011	1.13644	0.15973	1.26201	3.84944	0.348003	1.85105	1.70223	4.46552
SLC2A11	0.502467	0.506979	0.518373	0.188847	0.780505	0.624149	0.627696	0.362494	0.309574	0.170646	0.413739	0.135352	0.110606	0.188462	0.33109
SLC2A12	1.12016	1.42396	1.47379	0.766731	0.308191	0.594805	1.2648	0.914688	0.538643	0.181576	0.429283	0.1952	0.168013	0.196588	0.379912
SLC2A13	0.713823	0.571625	0.672542	0.473382	0.595474	1.94724	0.90935	0.798856	0.865331	0.717566	1.53329	0.432726	0.597015	0.680516	1.10108
SLC2A14	0	0	0.00464875	0.13923	0.033105	0.238903	0	0.00502334	0.00654488	0.0207685	0.0556483	0.0335927	0.0890635	0.083607	0.00798734
SLC2A2	0	0.00972725	0.0167016	0	0	0.00573016	0.0153673	0.0239228	0	0	0	0.0048152	0	0	0
SLC2A3	2.00988	1.4809	2.42065	6.66479	1.37677	12.3497	1.97274	1.73864	0.930062	12.2719	16.873	1.95023	7.68543	5.5551	10.0427
SLC2A4	0.418912	0.638197	0.918063	0.113606	0.342482	0.694623	1.25868	0.378826	0.0358026	0.0368967	0.182523	0.073621	0.227604	0.203577	1.17156
SLC2A4RG	13.449	16.3454	16.272	17.0396	35.8127	38.0721	16.3727	10.4594	13.3257	13.3937	24.9615	10.8764	10.2658	9.64948	8.76696
SLC2A5	0.633116	0.944536	0.814033	0.754634	0.627984	6.53406	0.505139	0.745695	0.510946	0.746756	1.79969	0.343852	0.482306	0.370761	0.175274
SLC2A6	0.327239	0.293439	0.368473	0.974218	0.98839	1.65636	0.394388	0.258509	0.110706	0.695939	1.4366	0.266669	1.04394	0.831392	1.98426
SLC2A7	0	0.0144908	0.0248805	0.0154968	0.0700763	0.0512177	0.0343392	0.0133643	0	0.0377478	0.0339514	0.0645593	0.0582136	0.133609	0.0647882
SLC2A8	1.81389	1.90214	1.73007	3.48563	5.33686	6.33244	1.93703	1.2517	2.20911	2.19626	3.54123	1.71015	3.53846	3.11729	1.53233
SLC2A9	1.24676	0.901065	0.543332	5.42611	3.52747	5.01417	0.991377	0.801336	0.976126	4.70842	5.02656	3.55243	7.19658	7.19106	2.42998
SLC30A1	9.35814	9.37696	9.11739	9.80929	12.3453	13.2708	9.50635	6.8185	36.7195	8.29089	14.8235	10.085	13.2669	7.06074	10.9196
SLC30A10	0	0	0	0	0.0124306	0	0.00913693	0	0.00974607	0.0100439	0.0451688	0.0114519	0	0.0209121	0
SLC30A2	0.111131	0.365888	0.490322	0.0858929	0.15824	0.157711	0.264346	0.106994	1.61286	0.0464936	0.313633	0.0265058	0.131452	0.058082	0.0132999
SLC30A3	0.0356184	0.00858074	0	0.0183529	0.0553277	0.0303286	0.0711689	0	0	0.0223524	0.0201044	0.012743	0.0114904	0.00465393	0.0255763
SLC30A4	1.69442	1.49264	1.53075	1.9903	1.04349	1.59854	1.28062	1.45522	2.732	2.23959	2.35289	1.53213	2.4825	1.60031	1.62801
SLC30A5	2.75107	3.35717	3.61724	4.86225	1.64884	4.28698	2.41835	2.89063	3.85455	3.87455	6.03533	2.82204	5.04847	4.0081	3.50335

SLC30A6	2.43787	2.24865	2.48988	3.18768	0.674371	2.79027	1.89219	2.39288	2.50132	2.50441	4.34485	2.03708	3.50672	2.53953	2.97352
SLC30A7	2.85066	2.16878	2.62156	3.46303	0.708831	3.11324	2.39926	3.44464	1.96914	3.29856	5.28817	1.79984	4.28538	3.01505	3.89163
SLC30A8	0	0.0038135	0.00654773	0	0.0184418	0.0033697	0	0.00703407	0	0	0	0.00283165	0.00255331	0	0
SLC30A9	7.5937	5.58047	6.08243	8.38868	1.66462	8.75621	4.48098	7.51812	8.60003	10.1633	12.0413	6.05302	10.5635	7.65571	6.1764
SLC31A1	5.08087	5.33496	5.5898	7.06303	5.33444	8.03418	7.3443	6.21817	24.7111	8.21314	11.3186	6.19681	8.96594	5.12885	4.25019
SLC31A2	7.08381	7.80044	8.62306	9.42422	10.0309	8.97545	11.3203	6.66651	39.5775	16.6848	17.5545	10.408	26.9597	7.96371	4.74002
SLC32A1	0	0	0	0	0	0	0	0	0.0219003	0.0225695	0.131948	0.0193001	0	0.00939827	0
SLC33A1	3.68101	2.76866	3.25626	3.58683	1.79274	4.14808	3.80063	3.23899	2.7002	3.04192	5.19771	2.10797	3.82504	2.85406	3.13172
SLC34A1	0.0267472	0.12565	0.15489	0.0826914	0.207739	0.0740185	0.0992522	0.00594268	0.0732941	0.0671411	0.188714	0.138753	0.103543	0.0524223	0.0768248
SLC34A2	1.93222	0.41697	0.594359	0.0729174	1.36965	6.96572	1.55362	1.43663	0	0.00683135	0	0	0.228261	0.0312915	0.242316
SLC34A3	0.11054	0.222723	0.191206	0.124271	0.327804	0.23103	0.275369	0.10717	0.45283	0.0756758	0.0567208	0.683088	0.0259345	0.183823	0.0144318
SLC35A1	4.16478	4.04842	3.85725	3.64125	0.886469	2.85355	2.60636	3.32362	4.65818	3.52038	5.53766	2.98002	2.70276	3.10958	3.5573
SLC35A2	1.68146	2.06958	2.09286	4.94635	3.08678	5.12174	2.26018	1.43321	3.33238	3.88507	5.0215	3.36876	5.98162	3.23161	2.60139
SLC35A3	2.54989	2.21692	2.69192	2.22376	0.798082	1.19577	1.71206	2.65846	1.38587	2.24025	2.21258	1.78911	1.98403	1.81802	1.88564
SLC35A4	9.40556	9.28399	8.48593	22.1501	15.7867	26.6397	13.5859	7.98021	19.7482	13.1221	19.3827	11.9242	22.9144	12.4791	8.22693
SLC35A5	1.97537	1.54698	1.54895	2.15705	0.380662	2.16608	1.14718	1.63798	1.17589	2.35679	3.0713	1.42471	2.33844	1.51701	2.39313
SLC35B1	7.19717	4.39522	4.26645	8.46803	4.44064	15.3145	6.31487	4.41736	8.88785	6.72532	15.1466	5.28344	10.7608	5.64613	6.00358
SLC35B2	4.45812	3.95136	4.90391	5.68472	6.49884	11.1045	4.77691	3.38731	2.19566	5.11579	11.6913	2.20138	5.11419	4.8956	5.47373
SLC35B3	1.67623	2.02577	1.95363	2.54815	1.61117	2.10544	1.14197	1.82713	1.52263	2.87098	4.31769	1.53071	2.21676	2.39588	2.42057
SLC35B4	1.24629	0.935904	0.952362	1.82678	0.759601	2.56193	1.043	1.17702	0.521114	1.73045	2.69115	0.8383	2.63798	2.19903	2.46773
SLC35C1	1.75309	1.46258	1.58167	3.44953	3.49988	5.97592	2.54567	1.22339	3.3817	2.45873	4.72175	2.1257	5.0481	3.03467	3.55682
SLC35C2	4.98613	6.75964	6.67667	7.2515	10.7262	10.8342	6.97367	4.18985	5.00532	5.67521	11.0497	4.64619	6.62063	5.14784	6.48115
SLC35D1	2.6833	2.93784	2.85998	4.37858	2.00336	3.17858	2.65876	2.80496	2.86219	4.00631	4.51334	3.29139	4.74072	3.96195	2.20718
SLC35D2	1.85804	1.17679	1.17142	2.19271	1.03576	2.59005	1.24036	1.37162	1.51467	2.44487	2.81639	1.22226	2.89065	1.60935	1.95825
SLC35D3	0	0.0185613	0.0318694	0	0.134641	0	0	0	0	0	0	0	0	0	0
SLC35E1	5.60741	6.13473	6.57859	12.1051	7.05854	10.3966	7.01458	5.68204	16.0713	12.6157	12.6653	9.72174	18.7373	9.58526	6.20612

SLC35E2A	2.22866	3.41937	3.41766	1.73119	8.10936	2.93857	3.72503	2.13837	1.71863	1.40306	1.55443	1.74598	0.985326	1.48245	5.58181
SLC35E2B	5.19127	7.23018	5.82452	7.22551	10.906	7.42022	5.52402	4.7002	6.16325	3.72545	5.37826	5.5232	4.42647	4.25851	5.91395
SLC35E3	1.78056	1.5631	1.57649	1.40519	1.27603	1.9919	1.57115	1.46011	0.9446	1.63814	2.1842	0.993568	1.8806	1.21392	1.36538
SLC35E4	0.612156	0.850443	0.901386	1.05805	1.49691	1.26759	0.82479	0.612399	3.60643	1.28773	1.14656	1.15333	1.79434	1.41473	1.29903
SLC35F1	0.186265	0.0811605	0.092148	0.070808	0.0746685	0.284334	0.121659	0.0427913	0.0232438	0.0119978	0.00538451	0.043023	0.0522779	0.0476769	0.151682
SLC35F2	3.4386	3.69344	4.62634	4.13042	2.71036	4.76177	3.38427	3.47768	5.60156	4.76479	3.42023	2.98802	6.08576	3.69735	1.89772
SLC35F3	0.385939	0.182745	0.264229	0.7543	0.289412	0.47027	0.136754	0.141927	0.0405199	0.350768	0.623469	1.00938	0.57529	1.00159	0.468252
SLC35F4	0.0329777	0.0370748	0.0424379	0.00755212	0.0170753	0.00936004	0.025102	0.0195386	0	0	0	0	0.00709236	0.00383014	0.0315735
SLC35F5	4.16361	5.30475	6.37146	5.05985	3.45074	4.16913	4.84532	5.18839	9.0896	7.60923	7.99543	5.55995	7.92269	5.35696	4.57369
SLC35F6	8.44201	11.9944	12.4211	11.7907	12.6998	19.3003	16.3775	9.56878	17.8394	14.5754	16.2617	14.8959	24.9397	11.0721	9.54101
SLC35G1	0.276335	0.292563	0.415096	0.262289	0.096015	0.625391	0.427599	0.352218	0.0708515	0.191669	0.316052	0.0676428	0.340158	0.298351	0.156652
SLC35G2	1.08975	0.590011	0.669166	1.14617	0.523531	1.82711	0.654186	0.589072	0.287329	0.987031	2.23209	0.377813	1.30472	1.70864	1.46821
SLC35G3	0.0123495	0.0238008	0.0510821	0.0300827	0.0959156	0.0120054	0.0282006	0.0131916	0	0	0.0139411	0.0281257	0.00796787	0.033164	0.070942
SLC35G4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLC35G5	0.269777	0.124344	0.0478241	0.0794324	0.119731	0.0707173	0.0512992	0.187252	0	0.110529	0.152273	0.125633	0	0.155389	0.415108
SLC35G6	0.135566	0.192289	0.144193	0.0526133	0.330913	0.157456	0.412798	0.083714	0	0.0833725	0	0.300778	0.162438	0.206817	0.166877
SLC36A1	2.1331	1.59853	1.5082	3.33536	2.61407	4.8299	3.17712	1.66614	2.89452	3.48788	5.1451	2.99452	4.87645	3.3079	3.61992
SLC36A2	0.05412	0.0195569	0.0167894	0.0278861	0	0.0172809	0.0386203	0.0180365	0	0.00849077	0	0.0145216	0	0.0141427	0.00971539
SLC36A3	0.318091	0.153261	0.17971	0.0719565	0.036154	0.0132122	0.168306	0.337852	0.037795	0.0778999	0	0.0555128	0.0100112	0.0283838	0
SLC36A4	0.828114	0.771398	0.755104	0.76616	0.245835	1.35385	0.684973	0.856985	1.72575	1.70457	2.1522	0.753184	1.75487	1.18686	1.35842
SLC37A1	2.04014	1.16604	1.4121	0.921693	1.10781	3.1209	1.58183	1.55854	0.704819	0.440216	0.725895	0.292792	0.70529	0.672145	1.36001
SLC37A2	4.39035	8.23207	7.17262	4.17583	10.6204	8.44396	11.0826	4.51398	73.3708	6.33392	11.8923	10.1144	6.09228	3.85384	2.38421
SLC37A3	3.29077	2.65217	3.42521	3.67486	2.44432	4.79404	2.95117	2.34496	2.71072	3.82236	4.83608	2.38032	6.76335	3.95263	6.01487
SLC37A4	1.64236	1.79953	1.9518	2.69769	2.92669	5.16076	1.85615	1.47441	1.14733	1.20331	2.87984	1.44358	1.99556	1.82566	1.56843
SLC38A1	8.5582	11.3813	10.91	12.4186	4.45533	7.65475	7.23586	9.41056	12.2629	12.5793	8.41172	9.01927	21.5021	10.0789	3.89917
SLC38A10	4.65109	5.55697	5.9986	7.92668	18.0899	15.5196	5.95754	3.56187	4.05392	4.23989	4.07755	5.05635	7.52538	5.70572	9.01158

SLC38A11	0.170013	0.0409575	0.0439522	0.0328507	0.115539	0.0814298	0.0121322	0.103877	0.0517642	0.080019	0.143943	0.0988398	0	0.0944099	0.839302
SLC38A2	35.1056	44.0062	41.1245	80.8201	14.3678	47.4881	36.6566	37.2957	55.0973	71.3268	62.7336	49.2565	107.353	56.967	34.1499
SLC38A3	0.0280976	0.00902523	0.0154962	0	0	0.526344	0.0320809	0.0499416	1.2091	0.305633	0.634374	0.368584	0.211498	0.112585	0.24211
SLC38A4	0.296333	0.447931	0.596046	0.329331	0.0722052	0.588756	0.139318	0.438927	0.290136	0.503198	0.73464	0.3035	0.307408	0.485888	0.208614
SLC38A5	3.16536	4.58094	2.868	16.059	7.70854	8.18451	3.49496	1.97845	4.36341	7.29083	9.62041	5.68299	17.1237	8.81716	4.44594
SLC38A6	1.20716	0.677079	0.665854	1.02436	0.405769	1.18547	0.685054	1.07589	0.250947	1.43975	1.7952	0.320816	0.452584	0.671885	1.33808
SLC38A7	1.26445	1.44662	1.39195	3.44711	2.60581	4.85566	1.76582	1.1909	1.77924	2.29517	3.2131	1.76986	3.42257	2.50653	2.91561
SLC38A8	0	0	0	0	0	0.0138288	0	0	0	0	0.0183338	0	0	0.00848812	0
SLC38A9	1.05196	1.38734	1.14918	2.27933	0.576108	1.91778	1.1241	1.19858	1.33044	1.86198	2.70239	1.12905	2.21888	1.61768	2.03369
SLC39A1	7.22611	7.81658	8.49395	15.9641	14.3355	27.3928	9.77782	5.1336	8.5185	12.3615	22.9624	6.22378	20.0132	11.877	10.5494
SLC39A10	1.89752	1.65696	1.82966	2.66338	0.468478	1.59431	1.32479	1.90227	1.408	2.64446	3.15397	1.24383	2.13232	1.93093	2.42431
SLC39A11	4.36605	3.30569	2.81993	4.66377	5.57656	5.19359	2.25237	2.42996	2.90601	2.33941	3.43865	2.30411	2.65787	2.14922	2.0623
SLC39A12	0.0164837	0.00397104	0.0136364	0	0	0.035089	0.00941025	0	0	0.0103443	0	0	0.00531758	0.00430754	0
SLC39A12-AS1	0	0	0	0	0.0182854	0	0	0	0	0	0	0	0	0	0
SLC39A13	4.80119	4.23965	4.38885	8.53087	11.2797	13.7339	5.10142	3.15081	3.30861	5.11458	10.1937	3.65544	7.47966	7.60828	9.17713
SLC39A14	1.51064	1.15728	1.68398	10.6483	1.64845	9.67948	2.39316	1.25527	0.519742	5.01974	8.33047	1.04037	12.6243	5.65892	14.5084
SLC39A2	2.95409	7.05368	5.61675	5.41577	11.9155	4.50263	6.95075	4.59798	24.389	4.11737	7.90401	5.67551	1.72695	1.05772	0.234389
SLC39A3	1.331	1.13287	1.10595	2.81579	3.45192	3.49985	1.7674	0.76601	1.60673	2.06795	3.61404	1.36772	2.86757	1.97354	1.41467
SLC39A4	0.552277	0.747602	1.13133	1.96939	1.5932	1.00769	0.780709	0.755704	1.07831	0.92422	1.44483	0.827974	1.49318	0.609361	0.440633
SLC39A5	0.0768507	0.0634763	0.054494	0.0339415	0.221698	0.046741	0.125351	0.107326	0.0133708	0.0413381	0	0.0471332	0	0.0631173	0.157668
SLC39A6	15.2355	14.0996	13.2806	21.8209	17.4517	18.7631	11.183	13.9539	48.8179	33.1527	30.6912	29.933	33.3674	25.9501	13.4247
SLC39A7	1.59222	1.14885	1.3068	2.0782	3.069	4.22385	1.37468	0.934506	1.59075	2.78358	2.67752	1.38108	3.94293	2.70434	3.17601
SLC39A8	2.37542	1.04451	1.41501	6.23476	0.895594	12.3815	1.5448	1.81047	0.444716	1.75121	3.3758	0.258527	2.84946	0.982352	3.12987
SLC39A9	6.50835	5.72844	5.73142	9.17074	4.86236	10.2598	6.10274	5.58516	7.95563	7.5816	9.78866	5.74108	10.1471	6.98064	6.56227
SLC3A1	0.171432	0.040132	0.0469232	1.14E-30	5.25E-40	0.0115501	0.0707444	0.105507	9.53E-34	7.16E-30	0.0566318	0.0260213	1.90E-36	0.00691948	1.16E-42
SLC3A2	17.0664	13.7867	12.8255	30.6219	33.0139	44.6538	13.3759	9.72386	35.7321	26.6251	31.8701	20.5941	43.8058	23.6629	11.1551

SLC40A1	10.6713	4.6198	4.03455	5.68694	8.01489	9.41542	6.74973	8.20253	7.40135	7.35047	13.8143	2.32968	5.26507	5.56649	18.1685
SLC41A1	1.87746	2.32482	2.68274	4.67769	3.1743	5.57361	2.49651	2.13588	4.12363	2.94696	2.81721	2.67685	4.97329	3.49824	3.73636
SLC41A2	0.85681	0.419482	0.705001	0.67884	0.171732	0.976671	0.689002	0.524016	0.0897632	0.832555	1.44045	0.197764	0.698441	0.560961	1.61419
SLC41A3	4.45706	2.59937	3.1235	4.03139	4.89367	5.84285	3.99975	2.52198	2.30406	2.44489	5.63776	2.59262	4.01351	3.24279	3.68397
SLC43A1	1.2979	1.99436	2.87292	0.659727	1.83901	2.29244	2.6434	2.2368	0.117485	0.671414	1.83147	0.29492	0.735556	0.838761	1.83877
SLC43A2	1.70152	1.25393	0.648493	5.26868	3.98174	4.77905	0.957226	1.10319	1.29109	2.28343	3.31876	1.4801	1.97191	1.39159	2.19914
SLC43A3	5.9986	5.67409	7.39477	16.1572	5.58336	26.4581	11.088	5.6743	1.5456	5.9855	13.9082	2.43655	14.8913	7.77385	8.84115
SLC44A1	7.59823	6.08906	5.89091	7.44256	3.37314	5.76502	6.2353	6.62654	14.2078	7.44252	8.82971	7.12924	7.99031	6.37016	5.68138
SLC44A2	18.3898	19.0373	17.2759	23.1368	33.3469	33.8372	26.3018	14.6987	54.5186	31.8208	35.7134	29.5542	35.8836	22.4776	17.6849
SLC44A3	1.00326	1.19208	1.14648	1.14779	1.21503	1.5565	1.01929	0.974732	0.818025	1.07779	1.64125	0.78478	0.773468	0.906501	0.683775
SLC44A3-AS1	1.77355	2.18657	2.25834	2.84905	1.80961	1.83587	2.8985	2.20974	0.487055	5.89231	1.35437	2.05283	2.68121	5.59795	2.87166
SLC44A4	0.0976602	0.0302076	0.0448841	0.0410022	0.0318383	0.182738	0.0468047	0.0482179	0.0176206	0.0196723	0.0122496	0.0215674	0.0606762	0.0289865	0
SLC44A5	0.217011	1.51727	2.20619	1.21758	0.876443	0.102657	0.401949	0.458582	0.281915	0.514479	0.108879	1.36644	0.0373372	0.488964	0.0415541
SLC45A1	0.283908	0.127966	0.143952	0.103817	0.455233	0.397707	0.230047	0.154644	0.133846	0.0229892	0.320496	0.0327651	0.10636	0.12445	0.657625
SLC45A2	0.05125	0.0987722	0.157477	0.0754495	0.0227454	0.342876	0.175547	0.0910935	0.0802501	0.00918915	0.01653	0.0209547	0	0.030612	0.11566
SLC45A3	0.985393	1.48368	0.968034	1.12831	4.10301	2.0277	1.28917	0.626394	1.54179	1.19383	2.64964	0.944996	1.19207	1.19811	1.05153
SLC45A4	0.615351	0.81604	1.11024	0.869673	0.974058	1.5145	2.09438	0.627601	0.189141	0.42662	0.774043	0.23273	1.22699	0.568175	1.08571
SLC46A1	0.837506	0.806421	0.877485	0.723046	1.27004	1.57505	1.35539	0.639698	0.183932	0.455676	0.932517	0.193397	0.566573	0.448011	1.04404
SLC46A2	1.12848	2.93697	3.65005	0.419417	4.31045	0.897875	7.47729	1.88249	10.0261	1.18417	2.69401	1.27075	0.298397	0.430258	0.571208
SLC46A3	1.34263	0.626892	0.881704	1.19105	0.387012	2.18039	0.940327	1.33468	0.202289	0.67753	1.57035	0.217888	0.817139	0.701717	1.39148
SLC47A1	0.395246	1.11541	1.68159	0.458226	0.230232	1.20796	0.862265	1.13533	0.171916	0.274612	0.557729	0.101003	0.487252	0.387324	0.273675
SLC47A2	1.39753	1.93251	0.739926	3.49966	5.14489	2.34425	4.4758	2.24803	1.13185	3.7975	2.70565	5.59482	0.550023	1.29283	0.76267
SLC48A1	4.65302	5.51653	5.4963	4.65358	6.2206	8.42409	7.26355	4.11488	4.97011	4.76775	5.03741	4.08802	6.24044	3.65578	4.55713
SLC49A3	0.958654	1.81641	2.53011	1.43507	2.06861	2.41851	1.56663	1.29098	0.873463	0.984442	2.31004	0.865564	0.782213	0.874284	1.85032
SLC4A1	0	0.00675389	0.00386545	0.00481518	0	0	0	0.00415256	0	0.011729	0.0105494	0	0.0150735	0	0
SLC4A10	0.011493	0.00922916	0.00950781	0	0.00595086	0.00978613	0.0131223	0.0136187	0	0	0.00864944	0.00822354	0.0197739	0	0.0605197

SLC4A11	3.77587	1.89253	1.96539	1.12295	3.51323	3.30681	2.41599	1.85238	2.45361	1.12912	1.03701	2.34816	1.214	1.14234	1.02812
SLC4A1AP	4.2229	3.54766	3.67726	5.38588	4.22572	6.10281	2.87092	2.65955	5.94468	4.78585	4.20779	3.83885	7.51633	4.55536	4.02286
SLC4A2	3.41894	3.98593	3.66064	7.28212	12.564	12.0921	4.63127	2.16577	5.49159	4.67848	5.0134	4.29332	9.74189	6.78733	5.65839
SLC4A3	0.315636	0.394372	0.238988	1.30108	1.92793	1.57612	0.256544	0.266248	0.319255	1.65176	0.567685	0.987597	1.44278	1.39242	1.575
SLC4A4	0.138685	0.029234	0.0430237	0.00595495	0.00448803	0.169752	0.122058	0.0770323	0	0.0290106	0.0391395	0.00620205	0.0354187	0	0.0165974
SLC4A5	1.15788	1.22386	1.32606	0.454917	0.449646	0.890406	1.32202	0.897179	0.700675	0.331523	0.404383	0.310684	0.464575	0.523839	0.639161
SLC4A7	3.37814	1.55303	1.78857	3.69016	1.19816	3.87361	1.65532	3.60766	1.78281	3.10219	4.5444	2.83613	4.16663	5.2967	4.10351
SLC4A8	0.0825526	0.119936	0.082698	0.215046	0.266855	0.135831	0.0760575	0.0778959	0.140907	0.308027	0.150397	0.336229	0.24317	0.232806	0.181375
SLC4A9	0.0136136	0.059033	0.0675726	0.0140292	0.0422931	0.0521629	0.031087	0.0302465	0	0.0341728	0.015368	0.00487043	0.0131751	0.0106726	0
SLC50A1	3.36773	3.29717	3.91158	6.33027	3.97575	12.2274	5.12176	2.86127	6.23431	7.15184	10.5992	4.06758	6.11003	4.09054	2.74712
SLC51A	0.46127	0.544122	0.276328	0.835965	0.247073	0.961599	0.308734	0.282716	0.329317	0.459161	0.341159	0.227622	0.133411	0.307585	0.4797
SLC51B	0.270823	0.0118624	0.0814705	0.0507438	0.267706	0.293494	0.309217	0.0875218	0.119939	0	0.0277932	0	0.0476546	0.180147	0.247505
SLC52A1	0.34499	4.54338	7.49174	0.306144	1.11643	0.228475	1.25829	0.962377	0.315119	0.0962216	0.0540903	0.164566	0.0123659	0.0901533	0.0275249
SLC52A2	2.76056	3.14519	3.5372	7.21906	13.0739	11.4082	4.43165	2.17666	5.71296	6.5909	10.5205	5.21289	12.5614	8.41266	5.14194
SLC52A3	0.609706	0.579256	0.603849	1.16814	1.90751	1.62328	0.56868	0.633437	0.177794	0.237118	0.591341	0.129035	0.919731	0.273777	0.406976
SLC5A1	2.82266	3.23369	4.09917	5.83594	1.80055	2.09455	3.04602	5.17033	13.2929	7.34089	3.31628	3.89377	4.20463	1.13533	0.400285
SLC5A10	0.376301	0.859054	0.661643	0.951771	2.62141	0.559673	0.991345	0.438807	3.34767	1.51757	1.94869	2.55733	2.41854	0.896855	0.382791
SLC5A11	0.023769	0.0839832	0.0589901	0	0.0492286	0.0539706	0.0452311	0.0211239	0	0	0.00894407	0	0	0.0041409	0.0455137
SLC5A12	0.0111033	0.0035665	0	0	0	0.0157572	0	0.00657848	0	0	0.0125343	0	0	0	0
SLC5A2	0.227173	0.119141	0.184649	0.0538111	0.223213	0.05413	0.0609383	0.0999852	0.0463729	1.47E-33	0.0294947	0.0365923	0.0259819	0.0345063	0.0203826
SLC5A3	3.04496	2.76599	3.10071	4.70894	1.83911	2.89267	2.7332	2.69983	2.17208	3.16258	2.3591	4.02813	3.66767	5.33527	2.77576
SLC5A4	0.217682	0.264967	0.23695	0.0944538	0.213559	0.32193	0.183137	0.0712739	0.0558131	0.273213	0.33627	0.163955	0.0665277	0.281432	0.937857
SLC5A4-AS1	0.182267	0.196437	0.17856	0.0790867	0.312925	0.0816829	0.147865	0.0596781	0.0175247	0.0842812	0.0108293	0.140713	0.0154733	0.215589	0.606176
SLC5A5	0.0517742	0.0374357	0.053539	0.133387	0.112414	0.039975	0.0443355	0.0230063	0.0157638	0.0324909	0	0.0463072	0.0876866	0.0169121	0.00929428
SLC5A6	1.9763	1.85589	2.44917	5.12021	3.10879	6.76316	2.24413	1.73219	2.32323	1.77799	3.09736	2.40414	3.83092	3.33501	3.06854
SLC5A7	0.00447641	0	0.00740641	0	0	0	0.00511102	0	0	0	0	0	0	0	0

SLC5A8	0.0557328	0.0973418	0.0345796	0.00717929	0.129858	0.00593197	0.00795424	0.037148	0.18666	0.0174876	0.0314577	0.0348935	0.0179793	0	0
SLC5A9	0.339299	0.53812	0.491211	0.167544	0.373327	0.553742	0.540747	0.44603	0.550972	0.106464	0.087777	0.161852	0.00456071	0.0960552	0.263942
SLC6A1	0.834261	0.317598	0.255615	0.148596	0.287977	0.223633	0.252833	1.62472	0.0188155	0.12927	0.156963	0.0405328	0.176098	0.148032	1.23509
SLC6A1-AS1	0.2774	0.0190936	0.295051	0.122515	0.123114	0.101229	0.0904931	0.457841	0	0	0	0	0	0.103558	0.853673
SLC6A10P	0.133317	0.690844	1.07969	0.0187075	0.300378	0.175405	0.207583	0.236154	0	0.0911049	0.0823927	0.173337	0.0350886	0.17099	0.0261
SLC6A11	0.58897	0.935547	0.448154	1.81923	1.6634	1.12368	0.801926	0.550019	2.5278	4.19021	2.7466	2.55671	4.53256	2.79755	1.04259
SLC6A12	0.017484	0.0196562	0.0385708	0.0300297	0.0452646	0.104212	0.0465797	0.0414356	0	0.0438886	0.111845	0	0.0451225	0.0213218	0.0585884
SLC6A13	0.00749451	0.0180548	0.0309999	0.0154466	0	0.0191444	0.025671	0.0199815	0.0456374	0.0188128	0.00846037	0.0160876	0	0	0
SLC6A14	2.2565	1.25335	0.994193	19.5698	2.13458	3.36349	0.694759	2.19466	12.7465	9.12648	2.36413	9.00902	22.9277	6.81105	1.49287
SLC6A15	0.2863	0.217581	0.15627	0.729997	0.142128	1.19377	0.171869	0.241324	0.226463	0.655695	0.403163	0.342129	1.35397	0.961041	0.262805
SLC6A16	0.591793	0.311747	0.424296	0.138235	0.171595	0.557654	0.531543	0.2244	0.0480492	0.0594209	0.10689	0.0508132	0.0661824	0.127843	0.328624
SLC6A17	0.44492	0.782534	0.990494	0.540511	0.618069	2.4055	1.35878	0.691159	0.387674	0.37682	0.16742	0.354587	0.994207	0.155023	0.233766
SLC6A18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLC6A19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLC6A2	0.0650695	0.146307	0.168668	0.353162	0.161721	0.140361	0.0891531	0.158064	0.0739642	0.152449	0.0881464	0.316601	0.607347	0.453442	0.0436091
SLC6A20	0.0809496	0.108797	0.0916393	0.00439057	0.0198541	0.0253943	0.048645	0.0681548	0.0103776	0.176463	0.0240479	0.0487761	0.134694	0.024494	0.0978979
SLC6A3	0.0588283	0.00850331	0.0146001	0.00606243	0.0274142	0.0250458	0.0201505	0.0209127	0.00716462	0	0	0	0	0.00307462	0.0337939
SLC6A4	0.550024	0.859809	0.49283	0.0902573	0.540643	0.176	0.260369	0.433022	0.392534	0.114323	0.0988983	0.125337	0.00678101	0.0824239	0.115718
SLC6A5	0	0	0	0.00833028	0	0	0	0	0	0	0	0	0	0	0
SLC6A6	3.2666	4.43683	5.86811	3.99141	3.99202	14.3559	6.21978	3.19537	3.21902	6.23921	6.75129	3.60723	8.0251	7.2859	16.4994
SLC6A7	0.0362082	0.0203533	0.00499232	0.0373136	0.0937396	0.0462462	0.0413413	0	0	0	0.0204373	0.0215899	0.0311484	0.0536179	0.147332
SLC6A8	8.20136	8.11162	9.36588	12.1923	7.07297	34.2008	10.3037	7.69416	6.4949	8.0523	11.0244	7.33181	19.3245	12.3101	4.84796
SLC6A9	7.41224	14.0821	11.9045	5.18832	19.1702	5.8568	18.1593	6.4053	27.8832	9.90303	7.49851	23.0807	15.3521	5.84341	4.54682
SLC7A1	20.6248	17.0259	11.4201	30.9138	27.0683	40.5284	18.6188	10.949	26.42	18.9282	16.9249	20.6097	34.8476	21.2377	12.2435
SLC7A10	0.0987037	0.00584293	0	0	0	0.0308682	0.0551176	0.0213726	0	0	0	0.00874189	0	0	0
SLC7A11	0.474573	0.379667	0.370727	1.46966	0.298086	1.11929	1.09255	0.593871	3.41183	2.55573	3.17061	2.6495	4.48124	3.48126	1.15932

SLC7A11-AS1	0.0405649	0.053902	0.0377851	0.125406	0.0386218	0.021171	0.102686	0.054902	0.109767	0.144216	0.129775	0.18619	0.126715	0.320138	0.153307
SLC7A13	0.0124091	0.0119578	0.0615943	0.025576	0.0192757	0.0316987	0.0141684	0.0441129	0	0	0.0140084	0.0266372	0	0	0
SLC7A14	0.0365429	0.0198078	0.0283414	0.00235365	0.00709546	0.0213921	0.101856	0.0243572	0	0	0.00515654	0.00653685	0.00294716	0.00954945	0.0229601
SLC7A2	8.18293	2.93319	4.18796	1.47883	1.29534	5.85349	2.45602	4.79235	0.283507	1.5681	3.09688	0.510237	0.796587	0.879371	7.25759
SLC7A3	0.0102087	0	0	0	0	0	0.0116559	0.0272178	0	0	0	0	0	0.0053355	0
SLC7A4	0.0900508	0.0867757	0.206934	0.0927999	0.0777111	0.0851967	0.251331	0.133383	0.0365572	0.0376743	0.0451805	0.0644337	0.0839227	0.0888996	0.0287387
SLC7A5	14.3463	9.70057	3.5076	53.3227	22.007	78.849	11.8567	6.18941	31.4619	27.1511	21.3858	25.1955	85.2383	41.9482	12.3515
SLC7A5P2	7.29173	7.45443	10.0328	3.72858	8.797	3.09703	6.82149	5.85876	1.61956	2.57082	2.03712	5.67948	0.797295	5.97935	2.99375
SLC7A6	3.78555	4.25185	4.83772	1.94397	3.12944	3.32419	3.72613	3.83754	2.85824	2.78519	2.99522	2.92284	3.56677	3.98345	4.49613
SLC7A6OS	2.06485	1.96729	2.29128	2.6342	2.53119	2.85262	2.234	1.55399	1.16712	1.56109	2.29831	0.967019	1.90429	1.75815	1.10536
SLC7A7	1.17503	0.402048	0.577607	2.39549	0.886164	3.24082	0.874967	0.839958	0.0829599	1.57097	4.12356	0.249793	2.4282	1.1882	2.02989
SLC7A8	7.79166	6.85818	4.20191	13.9173	22.317	21.7532	7.43154	6.89938	26.7728	10.9736	18.7776	14.1413	5.78158	8.98831	8.21902
SLC7A9	0.077879	0.11257	0.0966405	0.120385	0.0604865	0.0221043	0.01482	0.0115354	0	0	0.0146526	0	0.0167491	0.040703	0.167766
SLC8A1	0.920146	1.70115	2.41338	1.66301	0.77962	2.27926	2.13302	2.1373	0.182527	1.21612	2.23484	0.289292	1.82824	1.02921	2.49773
SLC8A1-AS1	0.207872	0.200312	0.133751	0.166614	0.0717548	0.0196667	0.474682	0.65685	0	0.144945	0.0260735	0.0165264	0.104314	0.132786	0.89559
SLC8A2	0.0362247	0.043634	0.0337136	0.116658	0.239145	0.150369	0.0361902	0.0321935	0.413603	0.15913	0.153349	0.230038	0.198662	0.182226	0.0195087
SLC8A3	0.148037	0.210017	0.29596	0.088991	0.191627	0.0735299	0.291096	0.131563	0.0400649	0.0567726	0.0789153	0.0294234	0.0902062	0.0494311	0.124016
SLC8B1	4.84359	4.07464	4.36052	7.00672	11.2857	10.2721	5.09406	3.44711	6.55354	6.11986	5.73098	5.65729	11.0883	5.71616	5.75639
SLC9A1	3.82139	4.20446	5.01446	7.17193	6.48931	11.4776	6.60318	4.02936	6.59767	8.16526	7.26136	8.3146	22.0613	8.32075	6.79864
SLC9A2	1.05926	0.297881	0.330743	0.097692	0.0640234	0.119324	0.362359	0.358972	0.0752955	0.0258655	0.00465283	0.0117966	0.0265927	0.0344664	0
SLC9A3	1.07931	1.06966	1.00587	0.637217	1.97216	1.38053	0.907028	0.714402	0.751737	0.477046	0.88774	0.849337	0.442214	0.669023	0.223652
SLC9A3-AS1	3.09509	4.83112	3.45339	1.51865	7.7537	6.03458	2.47027	2.53436	3.54522	2.08563	0.836137	9.39474	0.733526	4.53428	1.65643
SLC9A3R1	9.24115	12.8211	13.0296	21.732	22.6287	22.0715	13.8149	9.00854	22.2297	25.3008	18.6612	21.1675	37.3887	14.6035	8.22666
SLC9A3R2	9.75474	2.7511	2.37395	4.59228	15.9132	16.8788	6.30685	4.01256	2.00389	4.47443	6.56734	4.51305	8.17052	7.28395	12.5322
SLC9A4	1.305	1.46632	1.34481	0.572656	0.413649	0.235792	1.31648	1.44723	0.158131	0.385659	0.2006	0.608651	0.106679	0.785338	0.702717
SLC9A5	0.4503	0.58808	0.617599	0.158753	0.892747	0.534776	0.575023	0.352798	0.10824	0.260277	0.133772	0.258609	0.0955695	0.421146	0.433961

SLC9A6	2.26047	1.96847	2.20195	2.53622	1.32244	2.97047	2.24017	2.02197	2.53253	3.24858	3.18701	2.08306	4.37218	1.98183	1.68641
SLC9A7	1.20397	1.12574	1.45395	0.444476	0.61623	0.836632	0.695231	1.36721	0.949449	0.509493	0.94775	0.696441	0.605665	0.466511	0.361049
SLC9A7P1	0.0770268	0.0472343	0.0695149	0.0865946	0.0435088	0.274274	0.0559661	0.0809014	0.0255845	0.105465	0.252956	0.0250522	0.0180717	0.0622162	0.160902
SLC9A8	1.87459	1.6988	1.68104	1.88653	1.50144	2.32256	1.93968	1.60415	0.544003	1.18559	0.979555	0.872379	1.73625	1.284	1.88765
SLC9A9	2.76287	2.85915	2.85573	2.30145	1.77417	2.21129	3.09628	3.09053	3.31047	1.69781	2.48507	1.87647	0.802784	1.16053	1.90603
SLC9A9-AS1	0.134033	0.0645792	0.0739211	0.184167	0.0693999	0.0380425	0.102023	0.198529	0.108825	0.168225	0.100871	0.15984	0.115303	0.140103	0
SLC9B1	0.237869	0.150804	0.225716	0.112327	0.0454095	0.144137	0.145911	0.181861	0.0253243	0.0611514	0.187006	0.0418946	0.013419	0.0561379	0.223908
SLC9B2	1.44428	0.812411	0.748901	2.08657	1.25591	2.51253	1.10462	0.816808	0.47972	1.33569	2.19209	0.731801	1.44458	1.2677	2.10394
SLC9C1	0.0834886	0.214539	0.299293	0.06883	0.0432289	0.0094786	0.216069	0.291844	0.0406719	0.0768437	0.0376993	0.0876163	0.0107733	0.0843606	0.279767
SLC9C2	0	0.00251879	0	0	0	0	0.00596882	0	0	0	0.0177043	0	0	0.00273223	0
SLCO1A2	0.0117617	0.0156161	0.0145982	0.00606012	0.0182692	0.00250362	0	0.00783926	0.0107428	0.00369037	0	0.0126232	0	0	0.0168905
SLCO1B1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLCO1B3	0	0.00354778	0.00609149	0	0	0.0125396	0.0168145	0	0	0	0	0	0	0.00384842	0
SLCO1B7	0	0.0405901	0	0	0	0.0102475	0	0	0	0	0	0	0	0	0
SLCO1C1	0.0582134	0.0218152	0.0428073	0.0199969	0.0301418	0.324945	0.0369256	0.0172451	0.0236324	0.0974184	0.16794	0.0601658	0.00417322	0.0405665	0.371563
SLCO2A1	5.34871	3.16592	2.48897	7.81056	3.66898	8.32477	2.36521	2.71767	1.90885	14.3962	10.647	4.39965	17.7463	10.5403	17.4328
SLCO2B1	5.22029	1.55824	1.61303	8.46604	5.87982	17.2405	3.86474	4.90744	0.41794	6.73473	18.049	0.944981	5.23	4.32082	8.45278
SLCO3A1	3.28725	4.83527	4.90435	3.01771	5.52294	5.11231	4.33569	3.02554	4.99288	2.24787	3.26303	2.1872	3.31791	2.54353	5.14417
SLCO4A1	1.66014	1.81884	2.69211	3.26884	1.92314	4.2121	4.4385	2.3933	12.1346	5.25485	6.04356	6.38274	10.0308	3.75667	2.01263
SLCO4A1-AS1	0.339372	0.573535	0.883403	0.612078	0.441974	0.964365	1.29444	0.679008	1.06702	0.240794	0.10715	1.04743	0.305862	0.389511	0.441424
SLCO4C1	0.00868081	0.00627382	0	0.0357833	0.0134843	0.0295664	0	0.0115722	0.00528613	0.0871625	0.127394	0	0.0196029	0.00680546	0.0124667
SLCO5A1	0.0980882	0.0222402	0.0286396	0.0356763	0.0358506	0.108086	0.00658788	0.0461502	0	0.0651763	0.162837	0.0165141	0.0595633	0.015078	0.182299
SLCO6A1	0	0	0.00711996	0	0	0	0	0.0152976	0	0	0	0	0	0	0
SLED1	1.17258	0.936657	0.79135	1.04938	1.29417	0.341571	1.55021	0.987246	0.751617	0.890772	0.278673	0.529903	0.298636	0.451568	1.72829
SLF1	1.17749	0.725247	0.833507	1.20092	0.0848524	1.17833	0.519748	0.970934	0.288287	0.662754	1.04146	0.369146	0.986837	0.754982	1.07214
SLF2	3.83406	3.61667	3.78085	3.30846	1.53376	4.43241	2.40639	3.24579	1.63853	2.44956	2.91697	1.90054	1.72118	2.43541	3.23823

SLFN11	1.63024	1.09652	1.33926	1.89671	1.59789	3.9792	1.63358	1.1231	0.225895	2.52629	4.26919	0.385032	1.93853	1.8662	7.1998
SLFN12	1.38759	0.736216	0.608121	1.25972	0.641491	1.55426	0.678989	1.02031	0.281655	1.01592	2.00464	0.384142	0.889938	0.725215	1.76739
SLFN12L	0.513916	0.247612	0.236967	0.173641	0.392601	0.459113	0.288576	0.306979	0.0718236	0.0740183	0.104617	0.102479	0.130456	0.19374	0.810643
SLFN13	0.479171	0.326762	0.293741	0.263054	0.277986	0.494746	0.348913	0.354333	0.0722702	0.158221	0.267902	0.160971	0.19754	0.297034	0.5145
SLFN14	0.0321208	0.0116072	0.00664315	0.0165507	0.0623684	0	0	0.0142732	0.00977989	0	0	0.00574583	0	0.00419694	0.0115324
SLFN5	4.17187	2.05851	2.26348	5.78786	1.18812	12.1827	2.09096	2.57727	1.00872	3.90311	4.91674	1.2791	5.43974	2.6955	7.48212
SLFNL1	0.563049	0.42152	0.409098	0.352224	0.597929	0.181899	0.884612	0.331331	0.133399	0.254815	0.0978949	0.498118	0.0414802	0.973508	0.137435
SLFNL1-AS1	0.873431	0.846279	1.01102	0.61402	1.13664	0.474919	1.22945	0.759586	0.248734	0.426294	0.0924296	0.979606	0.14699	1.66606	0.832171
SLIRP	14.924	8.10768	6.76357	21.3979	3.02376	17.6065	7.50738	5.9204	13.2235	20.8486	40.3847	10.1214	14.0108	14.4017	6.33665
SLIT1	0.0437707	0.0548325	0.0434523	0.0300713	0.0906548	0.0447243	0.0799616	0.0466798	0.0177693	0.0366245	0.0230588	0.0334071	0.013179	0.0259267	0.0502883
SLIT1-AS1	0.0335893	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLIT2	2.69167	1.74071	2.48071	1.71221	1.24362	3.15683	2.70302	1.39498	1.13232	1.04447	1.40913	0.895219	1.06827	0.715386	2.88473
SLIT2-IT1	0.115523	0.111321	0.191137	0.11905	0	0	0.0879334	0.0684447	0.0468979	0.144993	0.130411	0.0275532	0	0	0.0553017
SLIT3	14.1322	8.38072	12.5894	2.17816	7.37513	15.991	23.084	7.66377	0.631238	3.21089	5.90204	1.28951	3.31638	4.50942	24.2444
SLITRK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLITRK2	0.534433	0.464506	0.54615	0.340168	0.154638	0.597828	0.987086	0.465647	0.0510494	0.039457	0.236592	0.104973	0.185929	0.342302	0.240789
SLITRK3	0.0189232	0.00911748	0	0	0	0.00402821	0.0108029	0.00840867	0	0	0	0	0	0	0
SLITRK4	0.230329	0.264171	0.4018	0.0283801	0.0388892	0.620343	0.431633	0.246972	0.00304907	0.0565604	0.121528	0.00179138	0.200297	0.0981358	0.363141
SLITRK5	0.119723	0.0978129	0.0775124	0.0268214	0.0323429	0.0354584	0.0713198	0.0740175	0	0	0	0.00372458	0.0134339	0.00272055	0
SLITRK6	0.786011	1.13347	1.08069	1.24353	0.318134	1.47053	0.581441	1.08225	0.303361	1.10463	1.181	0.875303	0.66427	0.613313	0.294127
SLK	11.1046	10.4715	9.7549	11.3608	5.55262	10.8558	4.43795	8.22489	20.5906	17.2109	12.9387	10.6741	25.8867	12.223	8.11037
SLMAP	4.42025	4.81934	4.82463	5.7258	2.50046	5.46882	3.27567	3.66877	6.36359	7.86972	6.45541	5.25045	8.09294	5.8519	3.76128
SLMO2-ATP5E	7.29213	5.91142	5.66131	12.471	3.6145	10.0733	5.14884	3.13202	27.8568	14.3546	22.3186	10.308	15.3867	10.1061	6.40929
SLN	0.158514	0.0305498	0.0524536	0	0.0492454	1.64667	0.0361972	0.197224	0	0.198951	0.071577	0.0226842	0.552271	0.927879	0.364234
SLPI	48.0335	32.1985	30.3888	512.366	242.174	58.093	59.72	26.9519	366.224	1432.85	1062.3	446.828	1696.99	576.488	115.881
SLTM	10.0065	9.80035	8.34684	9.19089	6.49155	11.5779	3.49151	5.79049	17.3713	8.9996	7.0733	11.8694	10.1192	9.16033	7.01393

SLU7	5.8125	4.05996	4.12487	5.54028	2.10632	7.9168	2.33625	3.68189	6.82564	5.1504	5.92697	2.79544	6.78222	3.89278	4.36746
SLURP1	102.915	80.588	65.7081	45.2565	272.196	107.447	243.622	58.5622	998.989	71.4002	262.57	98.7401	12.0956	8.35653	2.16624
SLURP2	38.5215	44.5152	38.5408	115.05	157.852	122.383	76.2288	42.4503	391.807	127.919	227.693	132.806	150.594	48.5591	15.322
SLX1A	1.96772	1.2893	1.11825	3.17586	2.89018	5.12054	1.94288	0.969317	2.1113	2.03611	4.2733	2.04524	2.04695	2.10081	2.62153
SLX1A-SULT1A3	0.502147	0.461538	0.463074	0.472354	1.7042	0.636093	0.315894	0.271226	0.201249	0.235467	0.21825	0.368555	0.118076	0.539458	0.666792
SLX1B	1.96772	1.2893	1.11825	3.17586	2.89018	5.12054	1.94288	0.969317	2.1113	2.03611	4.2733	2.04524	2.04695	2.10081	2.62153
SLX1B-SULT1A4	0.502147	0.461538	0.463074	0.472354	1.7042	0.636093	0.315894	0.271226	0.201249	0.235467	0.21825	0.368555	0.118076	0.539458	0.666792
SLX4	0.724704	0.81118	0.803731	0.909891	1.22895	1.89973	1.03701	0.604682	0.373856	0.806307	0.521584	0.781214	1.37006	1.14621	1.11803
SLX4IP	1.3133	1.69228	1.27911	1.91993	0.97256	1.67413	1.01128	1.10947	1.0694	1.19312	1.44376	1.26204	1.00005	1.3628	1.53517
SMA4	12.9778	9.8634	11.0583	4.95588	3.90682	4.38851	7.40419	9.77311	2.29587	2.52975	6.17712	2.35963	1.5419	3.73063	10.0422
SMA5	6.50553	7.07898	8.51231	5.41382	7.59646	4.19128	6.99884	4.85606	1.10284	3.82312	6.6181	1.92274	0.961797	3.86345	8.27873
SMAD1	5.47159	4.91235	4.30795	7.17405	4.01451	6.35343	4.34865	5.37802	3.9931	4.6898	8.10685	2.8475	5.85531	4.22886	5.03337
SMAD1-AS1	0.197814	0.984174	0.155026	1.42541	6.46451	0.399667	0.811398	0.225095	1.36E-06	1.24E-08	0.159576	0.00034646 2	0.216141	0.42028	1.26E-06
SMAD1-AS2	0.680072	0.565974	0.545555	0.530935	0.160059	0.105286	0.282358	0.769225	0.050197	0.206924	0.116321	0.250678	0.106371	0.344664	0.325556
SMAD2	7.17552	6.20842	6.89051	6.34813	2.57233	8.7035	5.39266	7.54561	5.97719	6.49959	7.22788	4.14961	7.12836	6.44579	7.74721
SMAD3	5.21008	5.08621	6.11401	7.13012	4.24461	10.664	6.61098	3.60547	1.56611	3.1665	3.03348	2.03024	3.99725	2.81252	4.76744
SMAD4	5.11358	4.66699	5.40686	4.13581	2.32803	4.92706	3.86523	4.976	2.39727	3.36137	4.24754	2.18439	4.09598	3.30694	4.20238
SMAD5	6.14677	6.70278	7.61024	7.13436	2.46177	7.21657	4.40091	8.13798	3.36384	5.95516	7.85932	3.76598	6.04881	5.12487	5.98506
SMAD5-AS1	0.831563	0.98624	1.32294	0.553722	0.635916	0.348586	0.555064	0.761764	0.109065	0.449593	0.404377	0.448543	0.132067	0.541593	0.385828
SMAD6	1.25326	0.707566	0.547016	1.10928	3.27246	2.45506	0.886652	0.526149	0.440108	1.02291	0.91136	1.1223	3.49233	2.04539	2.82674
SMAD7	3.5615	2.43152	3.0186	2.61071	3.87258	4.51454	2.35545	1.58856	2.8644	3.27241	2.68538	2.72145	5.22437	3.99675	4.34272
SMAD9	1.09259	0.600205	0.489595	0.609888	0.514294	1.25101	0.689897	0.717219	0.100807	0.628518	1.09791	0.41458	0.694252	0.599154	1.14711
SMAGP	7.84507	7.92871	4.23396	10.6062	9.63286	10.195	7.89094	4.66466	19.0408	8.93208	16.4682	11.2802	12.1839	7.87818	4.02377
SMAP1	4.64655	4.11589	3.90228	5.44889	3.08619	7.35096	3.74597	4.07821	12.0049	9.53831	10.5994	7.14924	9.39912	5.35938	3.39635
SMAP2	8.57655	6.06665	6.76007	12.3459	10.0442	15.0348	7.96697	7.94412	27.0774	7.82136	16.3876	6.60958	8.76104	5.93074	7.57181

SMARCA1	3.45907	2.48365	2.72643	2.8796	1.68019	7.35852	1.97473	2.21797	0.919395	3.56369	6.00356	1.1166	2.98779	3.22411	6.52915
SMARCA2	12.1598	13.0909	14.0075	8.61381	10.9475	15.0726	9.93874	11.3081	7.48227	4.68228	4.04823	5.77395	5.95676	5.00265	8.86652
SMARCA4	8.3039	11.1376	11.2168	14.5978	19.6725	21.3394	10.5877	9.36852	15.7552	8.57317	5.62535	12.0607	18.1113	10.6833	8.40674
SMARCA5	4.41269	4.01246	3.96907	7.11113	1.88026	7.92424	2.37554	3.1489	4.44157	5.08059	7.39993	3.11784	8.02508	5.76431	5.26769
SMARCA5-AS1	0.519506	0.436539	0.414976	0.119357	4.15103	0.373809	1.02389	0.224653	1.40E-11	0.0674835	0.523861	0.370749	0.119496	0.187179	1.29798
SMARCAD1	4.15579	3.73261	3.0974	4.56145	1.01094	4.04602	2.43066	3.53304	2.46379	3.5429	3.9611	2.54157	3.50088	2.86255	2.85462
SMARCAL1	1.98787	2.49697	2.60237	3.83117	3.06619	3.75945	2.21395	1.70467	1.84337	2.53876	3.02358	2.2758	3.14116	2.46431	2.15365
SMARCB1	10.1291	9.13127	9.15003	18.8239	13.7246	23.9579	12.4808	8.51902	11.4696	11.3492	21.9634	9.07115	17.0601	11.771	10.0694
SMARCC1	10.5927	11.2185	10.9912	17.5195	10.7904	16.1804	9.54697	10.0105	14.0904	9.7378	8.05052	10.1796	15.7125	10.1038	8.88496
SMARCC2	10.0505	13.1957	12.9228	12.0606	14.134	18.9303	14.8107	10.7263	11.0652	7.97789	5.6527	8.71582	11.5168	9.27978	10.0203
SMARCD1	6.66816	5.5933	5.41592	12.9161	6.09113	16.9876	6.95858	4.96644	4.84147	6.54809	9.27228	5.36526	12.4365	8.51861	7.70567
SMARCD2	13.7908	12.3834	13.3314	14.0188	12.1527	18.1717	11.9874	11.8955	8.48327	8.34104	10.9187	6.92068	10.2062	7.36663	5.88106
SMARCD3	2.471	2.78766	3.84905	1.81356	2.56512	7.07158	2.35339	3.40651	0.26424	1.60363	3.23848	0.336364	0.715481	1.24736	2.89087
SMARCE1	15.9162	11.7356	11.2453	15.6239	5.03377	21.3583	8.0549	10.2286	12.038	12.5978	18.3451	7.22297	18.3178	10.5018	13.2341
SMC1A	4.55176	4.43429	4.53865	7.42364	3.93161	7.33051	5.30876	3.6724	3.09105	3.13287	2.70463	3.44037	7.67921	4.55087	4.77965
SMC1B	0.136072	0.0550715	0.031519	0.0560903	0.0591825	0.0556143	0.0807883	0.0532088	0.00662879	0	0.0184329	0.0116835	0	0.0341361	0.0625331
SMC2	1.84409	1.6372	1.58635	2.83546	0.370904	3.54081	0.998238	1.25691	1.86563	2.66955	2.70794	1.37207	2.78963	2.39223	1.59851
SMC2-AS1	0.0296706	0.00953049	0.0136364	0.0101921	0	0.022457	0.0301128	0.0380882	0	0	0.0037216	0	0	0	0.0142036
SMC3	7.02396	5.99295	6.27166	5.8812	1.40754	9.1677	1.81215	3.62634	4.16753	6.82376	6.95709	3.55594	10.2474	6.34782	4.44552
SMC4	2.73697	2.07994	1.86437	5.46081	0.714844	3.65728	1.00379	1.89066	1.6383	3.53504	3.4497	2.27488	5.50862	5.02204	3.29872
SMC5	5.22222	4.2509	4.27525	3.6624	1.72363	3.9379	1.94027	4.26869	2.14995	3.54017	3.49072	2.44853	3.23668	3.66416	4.45194
SMC5-AS1	0.846425	0.590267	0.350111	0.390224	0.449797	0.303461	0.508643	0.316729	0.0271277	0.279566	0.25145	0.159379	0.129342	0.209548	0.991652
SMC6	3.11124	2.84331	3.13449	3.7459	0.895482	3.3499	1.13554	2.16667	1.85975	3.33608	3.34332	1.85463	4.28738	3.13482	2.59749
SMCHD1	5.52423	4.25608	4.64068	5.37386	1.59599	5.07875	3.06838	4.79326	3.4647	5.0544	6.04336	2.5836	4.28738	4.17738	5.22767
SMCO1	0.0123892	0.0179079	0	0.0510698	0	0.0316478	0.0141456	0.022021	0.105621	0.0466492	0	0.0886481	0.0639477	0.0194254	0.035585
SMCO2	0.0909711	0.0876625	0.19567	0.318744	0.0565238	0.108445	0.0415471	0.064678	0.0886341	0.342534	0.287546	0.273388	0.187821	0.123618	0.0261292

SMCO3	0.142994	0.063597	0.100096	0.0340061	0.0170861	0.121758	0.0753536	0.273714	0	0	0.0372514	0.00787047	0	0.0402419	0.0473902
SMCO4	0.830776	1.01786	1.11928	1.98135	1.91729	3.27423	0.731741	0.8438	3.1221	2.20459	3.51021	1.05301	2.25125	1.20335	2.99979
SMCP	0	0	0	0	0	0	0	0	0	0.0377233	0	0	0	0.0471256	0
SMCR2	0	0.0198058	0	0	0	0	0	0	0	0	0	0	0	0	0
SMCR5	0.301088	0.670452	0.66646	0.327051	1.03651	0.533531	0.826911	0.846136	0.0693739	0.439176	0.101048	0.815164	0.0367519	0.544386	0.724562
SMCR8	3.92229	3.48314	3.93094	4.45197	3.742	5.37258	4.37766	3.59903	3.45655	2.83176	2.13154	2.68825	6.14507	3.06057	3.16739
SMDT1	5.7089	6.20988	6.87957	5.07027	6.47957	7.78678	5.26648	4.05173	12.1308	5.5711	11.4705	5.48155	3.98524	3.99691	1.63206
SMG1	13.0192	18.175	19.1629	12.8932	8.95548	10.55	11.5859	14.6229	6.68653	8.86323	6.67093	9.4506	10.0983	10.4038	8.14086
SMG1P1	32.8926	23.2238	29.3109	11.5936	5.31187	7.4758	17.1322	29.0633	4.19277	9.21207	7.11027	9.63502	3.12263	16.6156	11.7028
SMG1P2	4.7711	2.9407	3.47935	2.01742	1.87673	1.36569	3.38528	4.21391	1.5543	1.57601	3.12012	2.27766	2.05943	2.72566	2.38342
SMG1P3	32.1159	40.6625	46.3421	16.0258	16.2382	15.4682	28.6961	31.9482	5.35795	10.0117	9.99909	21.4591	2.98969	17.3533	18.4378
SMG1P5	13.8507	11.111	13.8245	5.68666	10.4331	5.477	6.46121	10.5064	2.49245	5.00893	7.6011	3.98951	4.05344	5.46148	7.37999
SMG1P6	0.435964	0.338223	0.36066	0.22083	0.11478	0.0817938	0.185609	0.479386	0.035997	0.139114	0.100098	0.163903	0.00953498	0.166063	0.328968
SMG1P7	6.86308	8.32503	8.54023	3.71419	13.3734	4.41015	6.33209	4.56484	1.85948	3.48149	1.61074	5.89051	1.17052	6.76936	5.50082
SMG5	6.24451	9.37795	7.97638	10.5553	17.8918	13.2359	8.28557	5.81244	11.8776	9.57785	6.06311	11.2018	13.4439	11.0015	8.03202
SMG6	4.59186	5.23402	5.06499	4.77111	6.69345	7.46243	5.16628	3.64298	3.76731	3.91903	2.51777	4.53932	5.67691	4.84402	4.64336
SMG7	6.40095	6.44803	6.07445	7.72305	5.11155	8.72243	7.06123	6.16964	13.772	6.11823	6.61084	5.4036	8.0269	5.78939	6.08348
SMG7-AS1	0.141461	0.122685	0.226252	0.0777493	0.278335	0.224844	0.226122	0.0921939	0.114856	0.0828559	0.0958152	0.155203	0.0121693	0.108436	0.0677187
SMG8	2.4376	2.28408	2.39759	3.71691	2.72976	3.55384	2.59709	2.05298	3.59872	2.79263	3.23971	1.9774	4.85534	2.45541	1.79106
SMG9	1.47589	1.48649	1.43825	1.92911	2.42856	3.08494	1.68512	1.22642	0.751481	1.32388	1.84964	0.894945	1.66506	1.82599	1.93993
SMILR	0.0813464	0.0979848	0.0336477	0.125745	0.252718	0	0	0.036147	0.0495354	0.357343	0.45915	0	0.0524843	0.0425152	0
SMIM1	0.242336	0.330823	0.367541	0.124867	0.752862	1.03173	0.507267	0.0717892	0.0983792	0.101385	0.136783	0.0577992	0.182413	0.105546	0
SMIM10	1.56698	0.413795	0.673086	0.590029	0.421279	2.05271	1.25583	0.883765	0.2569	1.04009	2.24517	0.269523	0.24303	0.377987	1.55795
SMIM10L1	1.05422	1.12331	1.04349	1.59241	0.997193	2.31553	0.784783	0.824707	0.670104	1.27631	2.28628	0.712002	1.49536	1.12254	1.2501
SMIM10L2A	0.455682	0.530639	0.578583	0.29297	1.00164	0.91174	0.414069	0.402345	0.0344181	0.112029	0.0654076	0.0726847	0.0683898	0.106182	0.151418
SMIM10L2B	0.70828	0.592906	0.703515	0.50182	1.18124	1.16236	0.703175	0.394193	0.397226	0.421972	0.485325	0.229741	0.479736	0.295876	0.1957

SMIM10L2B-AS1	0	0	0	0	0.174088	0	0	0	0	0	0	0.0400956	0	0	0
SMIM11A	0.221623	0.27091	0.203714	0.329895	0.146629	0.387905	0.243671	0.175076	0.27491	0.314218	0.509639	0.132148	0.135046	0.298157	0.353643
SMIM11B	1.2072	1.47566	1.10965	1.79697	0.798695	2.11293	1.32729	0.953653	1.49746	1.71157	2.77603	0.71982	0.735608	1.62407	1.92633
SMIM12	2.91965	2.3918	2.3042	3.71609	2.3748	5.39571	2.93138	2.09129	4.11746	3.14033	4.19781	2.2424	5.08191	3.19612	2.82141
SMIM13	1.23831	1.39532	1.42439	1.28628	0.574757	1.13422	1.32937	1.33288	3.46687	1.75235	2.23329	1.21081	2.09446	1.60896	1.33909
SMIM14	6.43017	7.47912	5.61259	8.90085	10.7958	7.91303	4.36138	6.09468	27.1243	10.2276	16.2278	11.9202	4.23019	4.6143	4.83078
SMIM15	3.24323	3.46044	3.31218	6.2306	2.20173	6.96148	2.62396	4.41955	5.59812	5.89967	9.72705	4.05094	10.2352	5.36545	3.97916
SMIM15-AS1	0	0.0781006	0.0334226	0	0	0.0687601	0.0455506	0	0	0.0500605	0	0.084776	0	0.0826257	0
SMIM17	0.891688	0.737628	0.840569	0.389632	0.728269	0.266533	0.635099	0.680582	0.144934	0.339804	0.143755	0.791665	0.0529402	0.391017	0.655036
SMIM18	0.145921	0.239043	0.144859	0.0601503	0.0453331	0.0745498	0.166608	0.518729	0.0710861	0.0366291	0.0988359	0.146174	0	0.137276	0.251473
SMIM19	2.1947	2.22275	2.20431	1.71079	1.0861	2.57764	2.01871	1.72758	2.63269	1.90593	3.77991	1.03751	1.2635	0.87152	1.24509
SMIM2	0.0381269	0.00918507	7.79E-42	0	0	0.0162323	0.0217661	0	0	0.0239266	0	0.0870194	0	0.0697438	0
SMIM2-AS1	0.018426	0.0177559	0.0914597	0	0	0.062758	0.126229	0.032751	0.134645	0.185012	0.062402	0.113655	0.0237767	0.0385209	0.0529241
SMIM2-IT1	0	0	0	0	0	0.041226	0	0	0	0	0	0	0	0.0253045	0
SMIM20	3.37788	2.0014	1.94477	5.00982	1.31175	5.79131	2.18897	1.80524	1.94575	4.44011	9.2496	1.25747	2.50336	3.60243	3.17941
SMIM21	0	0.00556143	0	0	0	0	0	0.00512908	0	0	0	0	0.00372364	0	0
SMIM22	1.09614	0.199297	0.222424	0.149193	0.481892	0.140883	0.401437	0.349227	0	0	0.0700419	0.0295969	0.0800631	0.108093	0.0891055
SMIM23	0	0.0214849	0	0	0	0	0.0509133	0	0	0	0	0	0	0	0
SMIM24	0.0509759	0.0736829	0.105427	0	0	0	0.145507	0.203864	0.0310414	0.03199	0.0287727	0	0	0	0
SMIM25	0.276335	0.0665712	0.0571509	2.01713	0.411358	0.852946	0.0920238	0.122792	0.308499	1.79195	2.49558	0.148294	0.906307	0.246726	0.694491
SMIM26	9.7092	7.96477	9.24387	15.3966	3.96546	14.539	9.46103	6.54593	17.7371	13.6568	27.3539	9.85183	13.0147	9.44896	7.21224
SMIM27	1.05079	0.827348	0.964699	0.686699	0.577257	0.654685	0.936398	0.694698	0.780333	0.482507	1.01262	0.568487	0.330715	0.616164	0.717728
SMIM29	5.01076	6.57579	7.70982	7.67525	11.6903	9.57908	9.48327	5.40615	11.2552	4.62499	10.6087	5.24547	4.37764	4.35113	3.47203
SMIM3	1.98312	0.769177	0.779275	5.97772	1.61725	7.50584	0.781172	0.978152	0.978165	5.4883	10.4323	2.05752	6.12241	4.16141	4.32898
SMIM30	3.22401	2.61205	2.75207	7.76646	1.43541	5.4904	2.08672	2.75573	4.90185	8.8919	20.1912	3.87906	8.25426	5.35555	3.83383
SMIM31	0	0.007141	0	0	0	0.0279494	0	0	1.08E-26	0	0	0	0	0	0.0425698

SMS	5.56238	3.29244	4.36215	11.581	2.20895	11.3264	3.18985	4.12693	2.4216	11.3251	11.0384	4.69142	25.3973	11.8653	7.42805
SMTN	5.72869	7.07849	7.24548	19.0922	29.5246	26.5846	8.23605	4.59965	25.9165	21.072	8.27194	19.9275	46.0327	25.9337	17.2052
SMTNL1	0.140346	0.243435	0.104494	0.231409	0.239806	0.215105	0.160242	0.187092	0	0	0.0158433	0.0502106	0.0271652	0.0880211	0.0201555
SMTNL2	0.10594	0.074245	0.087641	0.0198498	2.27394	0.237817	0.0659775	0.205419	0.0117294	0.0846144	0.0978488	0.00689117	0.0559243	0.176173	0.622403
SMU1	4.63448	4.48952	4.79247	5.72108	2.84409	7.10872	3.86056	4.06653	4.58697	4.63292	6.10494	3.601	6.58674	4.52198	4.09185
SMUG1	1.32529	2.21107	2.19819	2.94213	3.4925	2.63308	2.13801	1.25984	1.52572	2.06887	3.89279	1.53328	1.91433	1.75058	1.75177
SMURF1	6.31869	6.88256	8.25324	6.57053	5.95577	7.23778	6.47728	5.47194	8.60355	8.07567	5.22016	6.32852	12.7217	7.10541	5.76716
SMURF2	3.51995	5.26383	7.21054	3.70761	1.80397	3.38968	2.98688	4.10182	3.09123	4.23006	3.87897	1.68764	5.24119	3.77322	3.71394
SMURF2P1-LRRC37BP1	2.51059	2.10359	2.04848	1.71018	1.19546	2.57142	1.47025	2.0669	0.976452	1.79683	2.06731	1.12662	1.79524	1.8087	2.0693
SMYD1	0	0.00251765	0.00432277	0	0	0.0133479	0	0.00464385	0	0	0	0	0	0	0
SMYD2	3.72212	3.82498	3.90865	10.29	3.47757	9.00512	2.97956	2.94172	5.00149	10.6706	16.6832	5.93586	10.5719	7.99671	5.42433
SMYD3	2.20599	1.87754	1.96701	3.9477	2.25708	3.79049	2.4584	1.52614	1.28701	2.25478	5.44284	1.01134	1.07386	1.62241	2.78867
SMYD4	1.6268	2.2162	1.76175	2.28921	2.58773	2.88379	1.71855	1.71797	1.77555	1.6946	1.54336	1.65534	1.97758	1.76294	1.28803
SMYD5	3.2366	2.98423	3.36371	6.11337	4.32734	8.57484	3.96308	2.88443	1.93248	2.04811	3.21609	1.87076	4.69999	3.36433	3.14625
SNAI1	0.108525	0.130723	0.213227	2.60025	0.86396	2.86465	0.371733	0.180841	0.413037	2.29855	5.86525	0.640636	2.70452	3.61591	3.29246
SNAI2	8.42763	7.61355	6.11859	21.5879	4.61936	25.0974	7.12909	8.39674	5.26559	15.5908	30.1516	9.78336	14.7831	18.2093	13.096
SNAI3	0.189143	0.23434	0.402359	0.501217	0.944373	0.966319	0.262235	0.252142	0.131632	0.305221	0.366033	0.183672	0.278936	0.374235	0.56267
SNAI3-AS1	0.073704	0.327497	0.237118	0.531679	0.610601	1.00413	0.0935031	0.094614	0.139632	0.226126	0.240363	0.257826	0.232483	0.312448	0.364588
SNAP23	5.53824	4.31505	4.88607	7.48634	2.17791	8.81963	4.02212	5.03091	4.81321	7.28098	12.0588	4.31388	9.74142	6.10503	5.33593
SNAP25	0.0451572	0.0326361	0.0498096	0.0853156	0.116908	0.173028	0.0171863	0.0401319	0.0549964	0.377846	1.07051	0.0538519	0.0291352	0.114072	0.961963
SNAP25-AS1	0.00782124	0	0	0	0	0.0133194	0	0.0139017	0	0.0490823	0.0706336	0.0279815	0.00504622	0.0122632	0.078626
SNAP29	3.54668	4.03267	4.01693	5.64755	3.85561	7.93605	4.76264	2.95892	18.2634	7.38273	10.129	6.7466	11.5887	4.85696	3.84546
SNAP47	1.49401	1.32272	1.38725	1.60553	2.86699	2.38643	1.5316	1.06801	1.67295	1.14101	1.58744	1.00505	1.56685	1.27335	1.4719
SNAP91	0.00841872	0	0.00348228	0	0	0.0143369	0.00480611	0.00374093	0	0	0	0	0	0	0
SNAPC1	1.29831	1.28468	1.37681	2.9812	1.0422	2.51519	0.73621	1.23901	0.551827	1.94667	3.28538	1.04744	2.03513	1.92181	1.1012
SNAPC2	2.39931	2.38471	2.91494	3.88544	6.30388	9.36271	3.86654	1.69366	3.43972	3.61366	7.53745	2.74683	4.89175	3.21019	3.64261

SNAR-E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNAR-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNAR-G1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNAR-G2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNAR-H	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNAR-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNCA	1.13753	0.94872	1.00708	0.596411	0.847321	1.92019	0.751933	0.632577	0.396981	0.53435	1.06635	0.447425	0.493578	0.535418	0.238835
SNCA-AS1	0.0281889	0.0679091	0.0233198	0	0.131361	0.0480049	0	0	0	0	0	0	0	0	0
SNCAIP	1.94034	1.07538	0.600761	0.918757	1.41678	2.14981	0.525384	0.539216	0.838551	0.551184	1.39541	1.16413	0.326045	0.496019	2.32668
SNCB	0	0.0141148	0.0121174	0.105663	0.0455053	0.0873051	0	0.0130175	0.784916	2.59216	4.15033	2.20094	3.64789	1.6995	0.399678
SNCG	4.22417	1.97031	2.19338	1.43561	4.08355	8.16936	2.9246	1.23805	0.383106	1.74845	5.19977	0.755626	1.01478	1.16258	2.25878
SND1	14.3627	11.7919	12.6489	25.9232	18.8221	30.2653	18.0985	11.8674	13.9968	21.3438	18.4496	15.228	31.1821	18.2901	18.9598
SND1-IT1	1.23418	1.16759	1.30419	1.04905	0.531751	0.544619	1.44	1.28898	0.2304	0.644482	0.294917	1.48255	0.0523106	1.3089	2.54868
SNED1	5.96495	3.37243	4.36472	2.07153	3.95857	9.26447	4.92779	3.35686	0.248808	1.15381	1.54695	0.694641	1.47937	1.76774	6.86112
SNF8	7.13244	5.39911	5.28152	10.8453	9.06475	18.0638	6.26431	5.24533	7.14765	8.59722	15.1837	5.21053	10.3728	6.52573	6.90035
SNHG1	7.78019	8.54419	8.93795	10.6329	3.11575	7.33638	5.10089	5.38837	4.29355	7.19021	10.8928	7.17614	10.4807	13.2075	7.8126
SNHG10	1.17785	1.36823	1.10382	1.01672	1.25176	0.893736	0.692678	1.0063	0.182422	0.577565	1.18776	0.637249	0.544843	0.976896	0.525421
SNHG11	2.78909	1.86699	1.97268	1.99661	3.63791	4.56846	1.65302	2.00567	1.40021	2.27138	4.01378	2.08707	1.86819	1.63574	1.58996
SNHG12	2.7374	2.85055	2.978	4.21402	4.35849	3.00035	2.55215	1.83639	2.21194	3.05757	3.99005	4.60677	3.1295	6.3945	2.38964
SNHG14	0.725453	0.440946	0.590866	0.192915	0.420244	0.340989	0.378927	0.539923	0.0461504	0.254215	0.190291	0.105576	0.0885865	0.273978	0.465462
SNHG15	4.07299	3.17618	2.57092	8.8314	4.60793	8.90079	2.6881	1.5274	6.65216	9.07163	11.4815	10.6129	12.9723	7.01369	4.49688
SNHG16	23.4348	18.8924	19.6814	35.173	10.7083	46.3301	17.8972	18.0878	32.3168	22.6149	36.4187	20.4093	33.3818	26.0788	14.8764
SNHG17	3.13804	2.52497	2.98541	3.26618	4.46013	6.72008	2.49013	1.78485	1.73891	2.63884	3.11736	3.96304	6.58011	2.84553	1.82518
SNHG18	0.887124	1.52975	1.2489	1.13875	2.27251	2.50466	1.27944	0.705413	0.852961	1.93386	5.76275	1.02453	1.20499	1.44789	2.10102
SNHG19	9.33501	12.9623	11.1012	13.2943	9.86839	11.2054	9.10406	5.35795	20.2905	9.35685	19.6857	8.53485	3.34606	7.82654	2.42057
SNHG20	1.3471	1.6366	1.51715	1.21496	2.34309	1.63492	1.34734	1.25646	0.600615	0.538204	0.591519	0.675034	0.49527	1.38364	0.886164

SNORA108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA10B	0	0.0838397	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA11	0.176665	0	0	0	0.274421	0.300855	0	0	0	0	0.398864	0	0	0	0
SNORA110	0.214288	0.361364	0.0886369	0	0.166431	0	0.489333	0.190441	0	0.403429	0	0.153328	0	0.111996	0.923232
SNORA111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20131
SNORA112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA113	0.300559	0.362035	0.124322	0	0	0	0.171584	0.267112	0	0	0	0.215058	0	0.314171	0
SNORA114	0	0.0790828	0	0.338292	0	0	0	0	0	0	0	0	0	0	0
SNORA115	0.160716	0.15487	0	0	0.499294	0.136847	0	0.142831	0	0	0.181428	0	0.207386	0.083997	0
SNORA116	0.472307	0.45513	0.130242	0.81121	0	0.134054	0.35951	0.279832	0	0	0	0.450598	0	0.493697	0
SNORA117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA118	0.176665	0	0	0.182058	0.274421	0	0	0	0	0	0	0	0	0.461663	0
SNORA119	0	0.0774352	0.265911	0	0.748941	0	0.1835	0	0	0.201715	0	0.114996	0	0.167994	0
SNORA11B	0	0.263402	0.452257	0.187792	0	0.155165	0.208063	0.323899	0	0	0	0.391169	0	0.190481	0
SNORA11C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA11D	0	0	0	0	0.141532	0	0	0	0	0	0.154285	0	0	0.0238102	0
SNORA11E	0	0	0	0	0.141532	0	0	0	0	0	0.154285	0	0	0.0238102	0
SNORA11F	0.180805	0.348459	0.149575	0	0	0	0	0.642738	0	0	0.408213	0.258742	0	0.188993	0
SNORA11G	0	0	0	0	0	0	0	0	0	0	0.199432	0	0	0.184665	0.761138
SNORA12	2.99128	2.73078	2.86532	0.973453	0	0.536218	2.15706	12.3126	0.958695	0.592794	0.533176	0.675897	0.812614	0.575979	0
SNORA120	0.629743	0.15171	0.130242	0	0.244552	0	0.71902	0.419747	0	0	0	0	0	0	0.90439
SNORA13	0.696032	0.335359	0	0	0	0	0.198677	1.39179	0.423844	0	0	0	0	0.181888	0
SNORA14A	0.345419	0.083214	0	0	0	0	0.197194	0.306979	0.420681	0.216768	0.194967	0.247156	0	0.361062	0
SNORA14B	0.51429	0.660781	0.709095	0.706654	0	0	0.5872	2.59	0	0	0.387046	0.367988	0	0.26879	1.23098
SNORA15	0.174008	0	0	0	0	0	0	0	0.211922	0	0.196433	0	0	0	0

SNORA15B-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA15B-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA16A	0.518128	0.998568	1.14302	0.355964	2.14622	1.91178	1.38036	0.767448	0.210341	0.433536	0.584902	1.48294	0.445725	0.722124	1.48819
SNORA16B	0.174008	0.167679	0.287903	0	0	0	0	0.154644	0	0	0	0	0	0.363777	0
SNORA17A	0	0	0	0	4.03E-28	0	0	0	0	9.25E-43	9.34E-13	0	0	2.84E-38	0
SNORA17B	18.1466	13.8823	7.09463	19.2465	22.0945	9.52057	15.7433	21.027	16.4641	15.417	28.2065	8.79748	12.479	4.20152	0.229868
SNORA18	0.350652	1.0137	0.290084	0.903393	0.272342	0.298576	0.400363	0.623261	0.640583	1.76042	1.78129	0.627253	0	1.19123	0.755372
SNORA19	0.551025	0	0	0	0	0	0.209714	0	0	0	0	0	0	0.0959966	0
SNORA1B	0	0	0	0.17932	0	0	0	0	0	0	0	0	0	0.272832	0
SNORA20	0	0.591324	0.580169	0.180679	0.272342	0	0.400363	2.0256	0	0.220052	0.791686	0	0	0	0
SNORA20B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA21	6.26428	3.85662	2.59113	3.76572	5.40589	2.66698	4.96691	1.39179	0.847688	0.655193	4.51796	2.11662	2.13311	1.45511	1.24949
SNORA21B	0.34286	0.743378	0.283638	0.353327	0.53258	0.14597	0.978666	0.304705	0	0	0.774092	0	0.553029	0.179194	0
SNORA22	1.72709	0.41607	0.714387	0	0	1.32354	1.38036	2.30235	0.420681	0	0	0.370734	0	0.180531	0.248032
SNORA22B	0.335407	0.242406	0	0	0	0	0	0.596163	0	0	0	0	0	0.0876491	0
SNORA22C	0	0	0	0	0	0	0	0.15349	0.210341	0	0	0	0	0	0
SNORA23	5.26535	4.24788	2.63378	2.64995	2.47269	3.12794	6.01181	8.81469	2.83348	2.15162	4.97631	2.97895	2.76514	2.30392	0.879268
SNORA24	7.77324	5.6179	4.53063	7.10026	1.64653	3.45983	6.05129	5.49516	4.73347	7.53889	9.97161	4.80351	8.0928	7.75594	1.77599
SNORA24B	0	0	0.146149	0	0	0	0	0.157005	0	0.443464	0	0	0	0	0
SNORA25	1.05196	0.337899	0.290084	4.15561	0	0	0.600545	0.467446	1.06764	0	0.593764	0.752703	0.11312	0.274899	0.503581
SNORA25B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA26	1.51758	1.46238	0.784654	0.390977	1.76799	0	0.21659	1.3487	0.46206	0.476179	1.28487	0.8144	0.367175	0.198288	0
SNORA27	2.38778	1.23896	1.36754	3.2178	0	0.469191	0.629143	1.46912	3.57913	3.22743	3.31754	0.788546	0.711037	1.63194	0
SNORA28	0.183675	0.35399	0.303898	0	0	0	0.419428	0.163235	0	0	0.207346	0.262849	0	0.767973	0
SNORA29	0.330615	0	0.136754	0.170354	0	0	0	0.293823	0	0	0	0	0	0.172794	0
SNORA2A	1.20001	0.743378	0.567276	0	0.53258	0.729852	0.391466	0.457058	0	0	0.193523	0.122663	0	0	0

SNORA2B	0.168927	0.162784	0.558995	0	0.262403	0	0	0.150129	0	0	0	0	0.441444	0	
SNORA2C	3.88533	8.22057	4.75145	3.48169	3.14883	1.43839	7.32928	8.10694	3.90896	1.90819	6.67443	3.86791	1.41688	1.50091	0.970404
SNORA30	0	0.518636	0	0	0	0.15276	0.204837	0	0	0.22517	0	0	0	0.0937641	0
SNORA30B	0.179403	0.0864393	0	0.184881	0	0	0	0	0	0	0	0	0	0	0
SNORA31	1.06814	0.943519	1.76728	1.10075	0.276532	0.606339	1.62609	0.158212	1.7345	1.56406	1.40676	6.24165	1.1486	2.69824	0.511328
SNORA31B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA32	0	0.0921543	0.158228	0	0	0	0	0	0	0	0	0	0	0	1.09872
SNORA33	0.174008	0.335359	0.143952	0	0	0	0	0	0	0	0	0.124507	0	0	0
SNORA35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA35B	0.364457	0.0878006	0	0	0	0	0	0.647799	0	0	0	0	0	0	0
SNORA36A	0	0	0	0	0	0	0	0	0	1.17E-14	0	0	0	0	0
SNORA36B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA36C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA37	5.92032	9.76765	5.19453	4.06737	18.9499	4.73555	15.3628	32.2067	4.80685	2.02653	5.8732	6.54677	4.63001	3.00045	2.06117
SNORA38	0.0250466	0.0965426	0.0621609	0.0774337	0.272342	0.0853074	0.0285974	0.066778	0	0	0	0.0179215	0	0.0785427	0
SNORA38B	0.701305	0	0	0.542036	0.272342	0.149288	0.200182	0.311631	0.427055	0.220052	0	0.627253	0	0.274899	0
SNORA3A	3.91652	3.43098	2.65092	2.01804	0.553064	1.66743	4.47175	2.21497	1.30088	3.12813	5.62706	1.91071	1.49318	1.02347	1.27832
SNORA3B	0.176665	0.936316	0.292299	0.182058	0	0.150428	0.40342	0.157005	0	0.665196	0.199432	0.379225	0.341949	0.36933	0.507425
SNORA3C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA4	1.68927	1.30227	0.558995	2.43718	0.787208	0.575358	0.964379	1.35116	0.205735	1.48415	1.90698	0.725232	1.52588	1.32433	0.242601
SNORA40	0	0.351202	0.452257	0.375584	0	0.465496	0.624189	6.96384	0.887736	1.14358	0	0.13039	1.17573	1.23813	0
SNORA40B	0	0	0.149575	0	0	0	0	0.160685	0	0	0	0.129371	0	0	0
SNORA40C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA41	0.701305	0.337899	0.145042	0.180679	0	0	0	0	0.427055	0	0	0.125451	0	0.183266	0
SNORA41B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA44	0.350652	0.253424	0	0	0	0	0.200182	0.311631	0.640583	0	0	0.125451	0.452478	0.183266	0.25179

SNORA46	0.17143	0.247793	0.567276	0	0.26629	0	0.391466	0.152353	0	0	0.193523	0.490651	0	0	0
SNORA47	1.34163	0.323208	0.416208	0.172823	2.34451	0.571189	0.765913	2.38465	0.816975	0.42097	1.1359	0.359989	0.108201	0.350596	0.240843
SNORA48	79.3721	89.0402	54.4585	90.4518	104.386	43.4992	102.564	130.719	64.9314	48.8418	106.825	57.0382	36.8317	32.7924	15.2641
SNORA48B	0	0.165195	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA49	27.873	22.22	16.4903	14.1009	8.65928	5.4659	25.6525	76.5656	9.87526	5.93659	10.6791	6.0436	3.7057	2.82524	3.15381
SNORA50A	3.57356	1.47582	0.703881	0.701458	0.792996	0.579588	1.55435	2.11725	0.414495	1.0679	0.576301	0.487043	0.43917	0.266814	0
SNORA50B	1.20001	0.660781	0.567276	0	0.53258	0	0.391466	1.06647	0	0.430325	0.774092	0.490651	0.110606	0.0895968	0
SNORA50C	1.04405	1.00608	1.15161	1.97252	1.62177	1.62982	2.5828	1.85572	0.635766	0.655193	1.57147	0.871551	1.34723	0.727553	0
SNORA50D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA51	0	0.337899	0.145042	0	0	0	0.200182	0	0	0	0	0	0.226239	0.183266	0
SNORA52	1.72709	2.32999	0.857264	1.60184	2.68277	1.17648	1.97194	4.29771	1.89306	0.650304	0.974837	1.97725	1.33717	1.17345	0.744097
SNORA53	35.6403	24.8437	23.9702	17.6487	5.17668	14.2671	16.2772	31.5096	11.0488	12.0835	21.214	5.56398	15.1707	3.87058	2.9248
SNORA54	45.1572	29.5538	23.0369	15.1241	7.89128	8.49121	41.0324	9.36412	11.4576	10.6269	12.5318	7.13538	8.74055	6.09695	1.62129
SNORA55	0.168927	0.0813918	0.139749	0	0.262403	0	0.385752	0	0	0	0	0.241744	0.544955	0.176578	0
SNORA56	0	0	7.77E-38	0	0	0	0	8.98E-40	0	1.08E-07	0	0	0	7.01E-45	0
SNORA57	142.586	139.72	121.812	83.7136	137.524	49.3311	153.046	114.709	76.612	41.7184	91.7027	44.0104	45.1962	22.324	17.622
SNORA58	0.392255	0.236243	0.243376	0.202115	0.152327	0.167	0	0.348604	0	0	0	0.210502	0	0.410019	0.140832
SNORA58B	0	0	0.422329	0	0	0.144897	0	0	0	0	0	0.121761	0	0	0
SNORA59A	0.761285	1.06372	0.944682	0.549168	0.295634	0.356523	0.912671	1.08251	0.695369	0.286647	0.730486	0.435776	0.171912	0.179046	0.163995
SNORA59B	0.761285	1.06372	0.944682	0.549168	0.295634	0.356523	0.912671	1.08251	0.695369	0.286647	0.730486	0.435776	0.171912	0.179046	0.163995
SNORA5A	6.04483	4.90963	3.71481	9.25506	1.87794	2.94119	6.11301	1.99537	5.46885	6.50304	11.698	2.34798	4.68011	4.06194	3.96852
SNORA5B	0.525978	0.422374	0.145042	0.722715	0	0	0.400363	0.155815	0	0.660157	0	0.125451	0	0	0
SNORA5C	1.18249	0.244175	0.279497	0.348169	0	0.575358	0.578627	0.150129	0.411469	0.636064	0.381396	0.241744	0.326973	0	0.242601
SNORA6	0.62129	0.374184	0.256987	0.160064	0.723808	0.26451	0	0	0	0.974728	0.17534	0.44455	0.30064	0.324713	0
SNORA60	0	0	0.140776	0.350729	0	0.144897	0	0	0.207247	0	0	0	0	0	0
SNORA61	0.586803	1.70E-06	7.01E-08	5.27E-13	2.76E-24	9.62E-41	1.11145	1.84E-16	2.41E-18	3.16E-20	2.93E-14	5.92E-16	7.14E-14	9.36E-22	5.82E-08

SNORA62	0.450839	0.217221	1.24322	0.309735	0.466872	0.383883	0.343169	0.400668	0.366047	0.565849	1.01788	0.215058	0.193919	0.235628	0
SNORA63	9.77151	14.9502	11.0619	15.3697	1.33145	2.33553	10.1781	135.746	4.38443	3.01227	2.32228	2.94391	0.995452	4.47984	1.72337
SNORA63B	2.03659	0.713643	1.22532	0.763187	0.287593	0.630592	2.11392	1.64541	0.45097	1.859	0.627015	0.397427	0.358363	1.16117	0
SNORA63C	0	0	0.146149	0	0	0	0	0.471014	0	0	0	0.379225	0	0	0
SNORA63D	1.05196	0.337899	0.145042	0	0.272342	0	0.600545	1.71397	0.213528	0.660157	0	0	0.226239	0.274899	0.755372
SNORA63E	0.174008	0	0	0	0	0.148165	0.198677	0	0.211922	0	0	0	0	0	0
SNORA64	0.518128	0.665712	0.571509	1.77982	1.60966	0.588239	0.591582	3.37677	0.210341	0	0.389935	1.1122	1.11431	0.541593	0.248032
SNORA65	0.170169	0.0819903	0.140776	0.526094	0.264332	0	0	0.302465	0.207247	0.21358	0.768401	0.243522	0	0.177876	0
SNORA66	0	0.0838397	0	0.17932	0	0	0.397353	0	0	0	0	0	0	0	0
SNORA67	2.02713	3.58124	2.23598	3.48169	3.41123	2.44527	3.47176	1.95167	2.88028	4.24042	4.00466	3.38442	0.762938	2.73695	3.15381
SNORA68	39.3258	25.2357	16.5544	39.8091	16.2177	7.55644	28.0134	24.2791	27.3379	21.8398	33.1972	15.1899	12.9109	7.63931	6.74723
SNORA68B	0	0.251519	0	0	0	0.296331	0.198677	0	0	0	0	0	0	0	0
SNORA69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA70	11.4858	11.5637	8.65096	19.433	9.05386	4.52508	11.3525	13.2547	12.3182	8.39133	18.3847	12.2663	7.52119	7.34694	2.46195
SNORA70B	0	0.083214	0.285755	0	0	0	0	0.15349	0	0	0	0	0	0.361062	0
SNORA70C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA70D	0	0	0	0	0	0	0.195733	0	0	0	0	0	0	0	0
SNORA70E	0	0.0825976	0	0	0	0	0	0	0	0	0	0.245326	0	0	0.246195
SNORA70F	0.85715	0.578183	0.425457	0	1.06516	0.14597	0.5872	0.914116	0	1.07581	0.387046	0.981302	0.331817	0.447984	0
SNORA70G	0.325958	0.863785	0.67414	0.33591	0.506326	0.693873	1.48868	0.144842	0	0.613667	0.367967	0.816312	0.841227	1.61842	0.936235
SNORA70H	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA70I	0.17143	0	0	0.353327	0	0	0	0.761764	0	0	0	0	0	0	0
SNORA70J	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA71A	3.01866	4.44411	2.49725	5.87599	14.3276	0.428391	4.21252	6.11067	5.31034	4.63067	6.05812	4.55985	3.89525	3.24302	0.240843
SNORA71B	2.04203	1.88578	1.12621	1.40292	2.37899	0.144897	0.97147	2.26849	1.24348	0.21358	0.3842	0.487043	0.219585	0.44469	1.71069
SNORA71C	0.670813	1.37363	0.416208	1.38258	5.99153	0.285594	2.10626	0.596163	0.816975	1.47339	1.70384	2.63992	0.86561	0.350596	0

SNORA71D	1.34163	1.37363	0.832416	1.38258	4.68902	0.285594	0.957391	2.38465	0	0.210485	0.94658	0.359989	0.432805	0.613543	0
SNORA71E	0	0.245971	0.140776	0	0	0	0	0	0	0	0	0	0	0	0
SNORA72	0.350652	0.16895	0	0.361357	0	0	0	0.155815	0	0	0.197921	0.125451	0	0	0
SNORA73B	72.9288	86.3769	55.2887	77.4821	113.634	44.8912	92.4195	251.527	108.48	67.3038	131.52	56.0599	82.5982	52.3355	20.5903
SNORA74A	12.3815	10.1471	6.79668	6.08164	12.2227	5.32062	14.269	12.4434	5.35527	8.71407	22.468	7.94855	13.14	1.57242	1.49564
SNORA74B	1.92859	4.48213	3.09708	1.1691	14.0977	1.25577	1.94294	1.81479	0.828989	0.42716	3.0736	1.46113	3.29377	0.830088	1.95508
SNORA74C-1	0.0567232	0.0546602	0.0938508	0.0876823	0.132166	0	0.0323823	0	0	0	0	0.0202935	0	0	0
SNORA74C-2	0.0567232	0.0546602	0.0938508	0.0876823	0.132166	0	0.0323823	0	0	0	0	0.0202935	0	0	0
SNORA74D	0.160716	0.309741	0.132955	0.331244	0	0.136847	0.367	0.428492	0.782934	0.806859	0.181428	0.459985	0	0.167994	0
SNORA75	0.506782	0.569743	0.279497	0.174085	0	0.143839	0.385752	0	0	0	0.190698	0.120872	0	0.176578	0
SNORA75B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA77	1.29601	0.267616	0.153165	0.190797	0	0.157648	0.211392	0	0	0.232375	0.209005	0	0	0	1.06356
SNORA77B	0	0.446027	0.612658	0.763187	0.86278	0.630592	0.422784	1.80995	0.225485	0.464751	0	0.132476	0	0.387058	0.265891
SNORA78	0	0.263402	0.452257	0.375584	0.849193	0	0.416126	0.485849	0	0.228716	0.617141	0.13039	0.587865	0	0
SNORA79	0.165308	0	0	0.170354	0	0	0	0	0	0.207478	0	0	0	0	0
SNORA79B	4.53479	3.61644	2.32851	1.61146	1.9432	2.39668	3.92789	20.5676	2.66621	1.76637	2.64787	1.11888	1.21068	1.87972	0.22457
SNORA7A	3.38E-23	9.36E-27	4.34E-44	0	7.39E-14	1.29E-43	4.03E-26	8.52E-41	6.77E-33	5.43E-39	0	1.42E-32	0	0	0
SNORA7B	2.99694	2.40662	1.1019	2.05896	1.81039	0.28354	2.85151	3.69921	1.62219	0.626912	1.50363	0	0.214846	0.261055	1.43466
SNORA8	2.33095	2.08574	1.79059	1.37264	0	0.14177	1.52081	1.18375	0.405549	0.835882	0.375908	0.595664	0	1.04422	0
SNORA80A	1.02102	2.78767	0.985433	1.22755	4.75798	1.01428	3.69159	0.60493	0.414495	0.21358	2.3052	1.33937	0.548962	0.622566	0
SNORA80B	0.340339	0.163981	0	0	0	0	0	0	0	0.640741	0.3842	0.852326	0.988132	1.51195	0
SNORA80C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORA80D	0	0.247793	0.567276	0.176664	0	0	0	0.457058	0	0.215162	0.193523	0.613314	0	0.0895968	0
SNORA80E	0.172709	0.332856	0	0.88991	0.268277	0	0	0.15349	0	0	0	0	0	0	0
SNORA81	3.06992	1.37817	2.67549	1.31762	0.403923	0.221416	1.63294	2.85038	0.791731	1.79503	1.17419	1.58152	0.302535	1.40549	2.42737
SNORA84	1.04405	0.754557	0	0.717281	0	0.740827	0.794706	3.24752	1.27153	0.436796	0.196433	0.622537	0.336807	0.818497	0

SNORD86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD88A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD88B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD88C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD89	1.01505	0.880316	0.671774	0.627621	0.315343	0.345719	2.54968	0.360835	0.247242	1.01919	0.229172	1.16207	0.785883	1.16712	0
SNORD9	0	0.108259	0	0.231549	0	0.573961	0.256544	0	0	0	0	0.160772	0	0	0
SNORD90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD91A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD91B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD94	17.9063	13.4296	9.50291	5.39662	22.829	6.76045	16.0087	9.4581	2.67455	2.54425	5.91164	4.10965	2.72478	0.971177	2.66861
SNORD95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD96A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD96B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD97	3.09661	1.57052	2.4269	4.19887	1.26582	0.832648	0.930422	45.046	0.396981	1.22733	0.367967	0.699696	0.105153	0.766621	0
SNORD98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNORD99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNPH	0.591397	0.404501	0.352393	0.600928	2.11995	0.809933	0.764954	0.455751	1.26422	0.856458	0.630264	1.87907	1.01128	0.94456	1.14628
SNRK	9.16547	6.38037	8.4193	6.75806	2.33895	7.06274	6.08019	9.3561	5.24257	7.6605	7.85613	4.56633	13.8899	5.81548	8.09486
SNRK-AS1	0.990349	0.757139	0.96247	0.399914	0.245158	0.214941	0.623686	1.06392	1.01E-07	0.415087	0.118855	0.400046	0.167443	0.649654	0.639531
SNRNP200	18.4946	15.5096	16.2256	19.8851	16.767	33.1391	20.5894	13.5902	11.7639	12.1998	10.2888	11.0106	20.473	13.0975	14.5533
SNRNP25	2.79166	1.76604	2.00976	6.17103	3.60816	9.23606	1.82486	1.55299	2.5175	3.93176	7.52976	1.57056	3.97356	2.94036	2.75439
SNRNP27	4.82817	3.89267	4.11404	5.4068	2.87493	7.31778	3.19734	5.20627	4.68454	5.57507	9.15668	2.47586	6.63524	3.40661	2.98156
SNRNP35	1.26252	1.76088	1.59415	2.32822	2.46247	1.89139	1.25725	1.3498	2.67058	1.49129	1.68241	1.22866	2.17423	1.70171	1.13151

SNRNP40	6.5838	5.33502	5.52911	12.4975	5.86609	13.8088	6.36193	4.45801	4.40834	6.79669	10.7302	3.96652	10.1415	7.3065	5.32109
SNRNP48	1.80796	1.84375	1.46815	1.67456	0.801167	1.38835	1.27276	1.72013	1.07393	1.51047	1.06431	1.38095	1.4277	1.54782	1.70443
SNRNP70	15.1924	23.7131	20.9821	23.0231	48.2276	30.93	15.979	12.6546	10.8156	11.861	9.3034	20.0028	15.577	19.6533	17.0604
SNRPA	8.14056	5.97578	6.5464	13.9525	6.62047	16.4882	8.11049	5.75742	4.67165	6.1874	11.3869	6.22124	10.3762	7.54395	5.6108
SNRPA1	8.71595	5.10301	6.45237	10.7609	3.04542	11.0324	4.23368	4.48852	8.09754	7.54257	11.908	6.25174	13.4606	7.81866	5.53939
SNRPB	27.6795	20.9863	23.3464	57.09	31.9894	73.6796	26.8133	17.0535	38.5262	44.4399	78.6027	26.8427	66.1621	38.6269	21.6771
SNRPB2	5.09394	3.6417	3.32571	8.64035	1.34729	9.36645	2.92378	4.8452	4.72835	7.48201	15.4018	3.96995	10.2595	6.69178	5.63496
SNRPC	7.91082	4.81029	5.11283	16.4223	5.25797	19.4631	6.8394	4.56308	7.38801	10.5734	18.9985	6.57211	10.0363	8.80576	5.27085
SNRPD1	5.274	3.89726	4.02199	10.6502	2.31859	10.3372	2.7268	3.87854	4.46676	6.99409	13.7849	4.03816	6.80551	7.08055	3.22564
SNRPD2	31.1001	21.1539	20.4436	54.9176	16.8866	49.4082	23.9927	17.6543	31.4958	43.3595	100.834	22.6541	33.6959	30.7366	16.4975
SNRPD2P2	0.0303715	0.0292669	0.201003	0	0	0	0.0693543	0.0269916	0	0	0	0	0	0	0
SNRPD3	8.75783	8.1517	9.0922	14.6362	6.25623	12.3942	6.8167	8.37664	9.47561	9.99046	17.3795	7.21469	12.7646	8.43683	6.02935
SNRPE	4.96689	3.07225	3.28717	7.67779	0.813235	5.45231	2.29907	3.4836	2.69758	6.2171	13.578	2.3821	4.96282	4.89719	3.31592
SNRPF	8.98873	5.96203	6.32552	18.7368	3.30932	18.5878	6.33109	7.4697	6.53992	9.81661	18.3176	6.22285	10.4504	10.25	5.19711
SNRPG	4.4189	3.86846	3.59366	12.5191	1.41935	7.89513	3.83105	2.94203	5.72833	12.4271	24.5528	5.65918	10.1188	9.24593	5.11989
SNRPN	1.898	1.48844	1.91177	1.22736	2.00065	2.93727	1.86447	1.06999	0.577014	1.62894	2.74685	0.650094	1.24841	0.902566	1.97684
SNTA1	3.37256	1.76314	1.86547	1.63074	4.8854	7.08237	2.95858	1.55576	2.74629	3.51294	5.11348	1.71964	3.09483	2.20718	2.21576
SNTB1	3.00046	2.12255	3.00172	0.800579	1.73423	3.73523	3.59579	2.79058	1.11043	1.10349	2.02178	0.452681	1.43465	1.63381	1.96412
SNTB2	5.16816	4.64355	4.68499	5.26248	3.70492	6.67959	5.08143	4.33202	3.53078	4.9229	6.44384	3.54204	5.70467	5.38241	7.04797
SNTG1	0	0.00157273	0	0.0134553	0	0.0194559	0	0	0	0.00409688	0.025794	0.00467122	0.00210603	0	0
SNTG2	0.993422	0.460918	0.74066	0.935278	0.609631	0.92943	0.504114	0.555882	0.0149367	0.307863	0.747633	0.0877555	0.308606	0.461516	1.12725
SNTN	0	0.0133222	0	0	0	0	0	0.0122865	0	0	0	0	0	0	0
SNU13	12.8809	10.745	10.7114	21.1922	10.9798	22.6072	15.0123	9.7732	18.8447	13.2153	24.2252	12.0945	18.9057	11.6348	8.71207
SNUPN	2.3822	2.12339	2.52252	4.32066	1.9612	5.74043	2.33913	1.63017	1.56667	1.92849	3.29427	1.26987	2.40538	2.39047	2.66849
SNURF	2.24536	1.99732	2.92227	2.1082	3.39117	4.79189	2.77601	1.51053	1.09554	2.70819	4.85905	1.0183	2.11448	1.3558	2.66985
SNW1	10.7895	9.19864	9.42075	14.4395	6.79854	17.2659	5.60834	7.57411	8.7178	9.89309	11.6825	6.72895	14.8434	8.31063	8.74248

SNX1	7.77935	9.00866	8.88982	8.86588	8.30965	12.0225	6.89607	6.8789	4.90159	5.2051	5.89744	4.60633	5.39987	4.77575	6.07175
SNX10	0.423995	0.286002	0.321529	4.64614	0.24149	1.72089	0.0968207	0.477294	0.240976	1.67629	3.0553	0.606759	1.96507	0.886393	0.578465
SNX11	2.30662	1.92636	1.75785	3.48632	3.7567	3.89835	2.24257	1.7766	3.70305	4.132	5.54708	2.41064	4.93369	2.79102	2.4995
SNX12	7.4602	8.44828	7.951	14.3938	10.249	13.7633	9.70953	6.62199	15.4082	11.1632	15.5012	9.92911	13.5674	8.56173	6.92097
SNX13	2.92938	2.42446	2.43406	2.94579	0.837345	2.53274	1.68951	3.01567	3.13348	2.76291	3.30208	2.08377	2.90708	2.5345	2.38108
SNX14	4.34145	3.97382	4.20884	4.98079	1.78253	4.08656	3.59506	4.45614	6.01028	7.00985	8.54474	3.47449	6.90059	4.93989	4.34329
SNX15	4.01469	5.24031	5.49191	6.51837	10.2958	7.69148	5.98726	3.23552	9.62331	7.32519	8.47211	6.84245	11.8532	5.44162	3.52605
SNX16	1.88841	1.29704	1.46251	2.11168	0.5305	1.19171	0.932792	2.01153	2.84629	3.25264	3.19767	1.50933	2.77377	1.83043	1.0771
SNX17	9.73394	8.8463	8.93161	17.3958	14.6743	20.715	10.2813	6.5429	7.58772	13.6014	24.1351	7.92778	15.2926	10.5948	8.90346
SNX18	2.92158	2.57904	3.02979	2.88533	5.01907	6.38207	3.34769	2.52226	6.88332	4.61852	6.19965	2.82959	6.52799	3.22842	4.39057
SNX19	6.06126	6.75842	6.62408	9.05369	9.33502	9.43071	7.96258	5.34393	6.23692	6.05579	5.62167	5.61102	9.05454	7.30954	7.21108
SNX2	3.41243	2.43403	2.23767	3.25139	1.37021	4.00493	1.98088	2.40099	3.36166	3.95057	5.62564	2.17998	3.15018	2.25238	2.8141
SNX20	0.382098	0.359526	0.439489	0.974886	0.502763	0.603634	0.330821	0.431804	0.140832	0.456789	1.00325	0.106483	0.666921	0.21862	1.05705
SNX21	7.36223	9.35406	11.2076	4.33456	20.9611	8.1891	12.9857	5.68261	19.9385	7.22941	10.3298	7.83115	5.24039	4.46972	4.68571
SNX22	0.396389	0.627613	0.854496	0.473713	0.715721	2.70637	0.546448	0.348864	0.189192	0.353545	0.712795	1.08466	0.134272	0.888335	0.61979
SNX24	3.17611	3.5236	2.97894	3.3773	2.3411	3.4451	2.94497	2.81366	4.52104	3.26271	3.28854	3.04701	4.20281	2.48465	2.25159
SNX25	2.54901	2.17108	2.60997	2.02395	1.86074	3.03625	2.09929	1.88779	2.2138	4.03842	2.69669	2.24248	3.43301	2.78457	2.65051
SNX27	3.64542	4.25095	4.36416	4.53763	2.70951	6.33054	4.27779	3.63745	3.43717	3.10763	3.93823	2.40504	4.01271	3.28126	3.87953
SNX29	4.62578	4.27204	4.51999	5.41758	5.45284	5.66528	5.39146	4.16636	6.41288	6.47737	4.09062	6.78179	10.8166	5.71405	6.48058
SNX29P1	1.20229	1.10066	1.64106	0.729829	0.896801	1.33149	1.77624	1.45602	0.548065	0.625411	0.685972	0.891479	0.507936	0.760088	0.209769
SNX29P2	1.19633	0.829935	0.806195	0.239533	1.32632	1.12594	1.5658	0.73202	0.175795	0.326846	0.39872	0.316862	0.278487	0.376145	1.73617
SNX3	17.6204	13.9193	14.4245	33.9853	11.7243	27.5435	15.0436	18.6157	37.682	37.7941	51.048	30.7013	48.9454	23.4622	17.9777
SNX30	3.25877	2.23131	2.39131	2.10087	2.04181	3.30852	3.32471	2.51214	2.86451	2.72291	2.4525	1.67424	2.63259	1.59186	2.34656
SNX31	0.0273343	0.0307302	0.00753762	0	0.0141532	0.00775827	0	0.016195	0	0.0228716	0.0822854	0.00651948	0.0293933	0.00476204	0
SNX32	0.230752	0.21582	0.179665	0.125892	0.421691	0.173367	0.154979	0.253325	0.0495935	0.187399	0.137907	0.281657	0.0262729	0.0993185	0.331389
SNX33	6.58573	9.75378	10.1207	9.30962	13.4879	16.6523	11.7122	6.15818	8.13395	11.3206	7.7415	8.4104	12.6317	9.87334	7.67937

SNX4	3.64069	2.29183	2.26266	4.6191	1.02306	5.42888	1.87997	2.64208	2.28382	5.99308	9.34538	2.34974	6.63967	4.07332	3.44186
SNX5	7.03762	5.88234	6.4697	14.0639	4.32747	10.7678	4.63616	6.58616	6.07619	9.4157	14.6043	6.43623	9.60994	9.50716	6.74662
SNX6	5.98401	5.67004	5.48508	10.8705	3.15707	10.2928	4.89222	6.06428	9.42222	12.0856	16.8282	6.15555	15.9296	7.49479	7.44541
SNX7	5.64852	3.48568	3.47183	6.32387	2.78573	7.87411	3.28733	3.03582	5.7352	7.80915	13.359	3.3957	6.01361	7.0265	5.67664
SNX8	1.9929	1.74391	1.95173	2.16448	3.38399	6.63799	2.20293	1.41082	0.493754	1.2813	2.31591	0.9856	3.2744	1.91211	2.48326
SNX9	13.4349	8.18565	10.28	19.6866	8.42807	21.3133	11.7433	9.85482	21.0259	15.3865	19.9093	8.54409	18.2585	13.6065	18.2486
SOAT1	1.36697	0.742745	0.96191	1.82622	0.639574	3.25348	1.03048	1.18265	0.449301	2.28208	4.16833	0.667	2.79039	2.16054	2.63488
SOAT2	0.100476	0.05379	0.120064	0	0.260124	0.0570362	0.203948	0.089295	0.0271931	0.154132	0.0126028	0.0559172	0	0.122531	0.016033
SOBP	0.649877	0.259443	0.390162	0.367388	0.559542	1.46088	1.10665	0.313531	0.0316591	0.475415	0.645595	0.0611149	0.575036	0.459989	1.66928
SOCS1	1.27515	0.577708	0.456596	2.47126	0.886903	3.468	0.608447	0.659652	0.278148	1.26602	2.51373	1.03497	3.58559	1.28316	3.4439
SOCS2	1.48149	0.560235	0.659181	1.7761	1.28357	1.37203	0.748039	0.83928	0.366607	1.24455	3.10495	0.392765	1.67559	1.62261	3.37365
SOCS2-AS1	0.0806378	0.135984	0.100064	0.207749	0.375775	0.411972	0.184139	0.286657	0	0.151813	0.409635	0.173096	0	0.168579	0.868546
SOCS3	5.46234	3.85405	5.47016	53.1017	12.1626	56.9941	5.28094	5.02731	4.34576	34.9369	42.0091	36.4587	62.1657	35.5443	47.3591
SOCS4	2.01659	1.78902	1.59456	2.00674	0.435778	1.89697	1.43199	2.18523	2.40374	2.43162	3.14089	1.46892	3.1729	2.28044	2.11875
SOCS5	3.59902	2.46119	3.02664	2.85458	1.29546	4.80185	3.00968	3.71029	2.66622	4.17448	5.80017	1.5913	4.97733	2.99403	5.49663
SOCS6	2.83449	2.54066	2.78374	2.79047	1.62958	2.83489	1.99785	2.78293	4.16565	4.23332	3.58859	2.52953	7.02657	3.73047	2.30824
SOCS7	2.32649	3.3684	3.26852	2.63368	4.22216	3.86315	2.89809	2.26094	2.67442	1.94787	1.36228	2.0279	2.46492	2.41517	1.8747
SOD1	33.1197	24.5199	24.6016	44.9064	21.7558	58.3624	20.7558	19.7151	21.351	31.7258	83.7374	19.9057	22.4518	24.517	18.4953
SOD2	19.9205	8.01552	10.8048	119.529	8.88004	142.748	7.21458	15.6045	2.85328	25.7539	41.1493	4.15276	79.3324	20.6928	51.0779
SOD2-OT1	0.1774	0.192797	0.349171	0.106736	0.217812	0.239317	0.177048	0.276443	0.0954258	0.050224	0.286918	0.0484647	0	0.150708	0.233618
SOD3	23.6123	7.64284	10.8938	9.63966	24.5225	126.82	24.2983	11.1918	0.866399	6.17413	22.4691	0.909742	8.92586	4.78602	29.5845
SOGA1	3.4583	4.7487	5.35118	4.26786	7.29571	6.8472	5.63639	3.94555	1.38536	2.74647	2.85674	3.29067	4.68139	4.4931	6.53898
SOGA3	0.193622	0.128273	0.127908	0.0974642	0.155137	0.307427	0.118842	0.0605383	0.0101392	0.191711	0.260858	0.054647	0.0725275	0.120447	0.261548
SOHLH1	0	0.0505572	0.0868061	0	0	0	0	0.0103615	0	0	0	0	0	0	0
SOHLH2	0	0.0098408	0	0	0.0105764	0.0187716	0	0.0121022	0	0.0130615	0.00614015	0	0	0	0.0391094
SON	21.808	20.4008	22.5418	22.3351	17.6089	24.2345	21.4364	18.0903	18.5782	17.2199	14.9117	16.124	26.4878	18.2481	19.1675

SORBS1	5.9886	1.66246	2.06952	1.35816	1.597	10.5076	6.79238	2.10665	2.40763	1.29038	1.53599	1.45599	1.21446	1.3808	3.31226
SORBS2	1.91505	0.483084	0.524536	0.13812	0.396366	1.18512	1.64506	0.861279	0.0910328	0.397903	0.832157	0.130941	0.219512	0.367757	1.25853
SORBS3	15.6284	9.03466	10.9811	8.62301	18.3633	39.6221	23.8729	10.3621	6.98845	7.4232	16.5523	5.44753	10.2969	8.55122	19.397
SORCS1	0.113558	0.165509	0.237206	0.160909	0.0970168	0.273157	0.210692	0.171565	0.01383	0.0106895	0	0.0203134	0.0146534	0.0103863	0.0203854
SORCS2	0.814385	0.700026	0.328951	1.54847	6.27759	1.18177	0.711566	0.584442	2.67282	3.0904	2.49042	3.83825	2.74066	1.96231	3.53613
SORCS3	0.0120453	0.00386908	0.00332158	0	0	0.0786326	0.0595961	0	0	0	0	0	0	0.00209847	0
SORCS3-AS1	0	0	0	0	0	0	0.0408408	0.0158946	0	0	0	0	0	0	0
SORD	2.94679	4.23246	4.76324	8.97044	4.89989	6.44633	2.94512	3.30727	4.7657	3.86891	6.22939	4.22845	4.97216	4.16538	2.13318
SORD2P	0	0.0199119	0	0.212943	0	0.049265	0	0	0	0.0622434	0.149289	0.0059141	0	0.129595	0
SORL1	3.1552	2.12079	2.5945	2.60817	2.27037	2.2125	2.84877	2.38797	0.387864	4.70129	4.20943	0.977904	8.31705	3.48548	3.76192
SORT1	10.3056	7.59006	6.48246	7.79333	11.4046	14.1505	10.7	7.9732	47.48	20.6134	19.7894	18.8173	23.1656	8.00507	5.88645
SOS1	3.87851	4.26562	4.3249	4.15461	1.09775	4.97507	2.66209	3.67438	3.81546	3.9565	3.53032	3.13551	4.27597	3.77641	4.95468
SOS2	5.05843	5.5397	6.35013	6.31387	1.64682	4.81454	3.43437	5.25146	2.65241	4.57984	4.31407	2.608	4.71655	3.94953	4.04242
SOST	0	0	0.00832416	0.435514	0.10941	0.0856783	0.0229774	0	2.19358	0.366244	0.65882	0.230393	0.525858	0.094661	0.216759
SOSTDC1	2.2784	2.45804	3.02191	0.472143	1.7888	1.32849	1.97932	3.0923	0.271451	0.916944	2.05482	0.141761	0.135816	0.278282	0
SOWAHA	0.153221	0.0353073	0.104711	0.041191	0.0724364	0.0283621	0.0152124	0.0769658	0.1217	0.0919735	0.0977643	0.00953337	0.0988575	0.0174087	0.200911
SOWAHB	0.490449	0.289474	0.278942	0.303253	0.590423	0.370629	0.223991	0.272419	1.29915	1.56969	0.4014	0.478141	2.42468	0.71452	0.2025
SOWAHC	8.87134	6.14078	6.61086	10.9665	9.18426	8.22707	6.41579	6.25779	35.011	21.4201	11.8896	18.9648	40.7881	16.2513	5.07758
SOWAHD	0.130998	0.084156	0.0602062	0.149997	0.203486	0.359418	0.0997132	0.0517424	0.514078	0.164416	0.246468	0	0.131475	0.08368	0.0418067
SOX1	0.0225346	0.0190007	0.0186422	0.0116113	0.017502	0.0287819	0.0257293	0.0300403	0.0137223	0.0212124	0	0.0282172	0.123583	0	0
SOX1-OT	0.09796	0	0	0	0	0.0417058	0.0559238	0	0	0	0	0	0	0	0
SOX10	3.00811	2.32208	2.98355	1.00832	3.15277	6.73392	4.00699	3.05424	0.295447	0.0811933	0.0365138	0.156221	0.0886933	0.0887516	0.255486
SOX11	0	0.00127889	0	0.0136768	0.00412308	0.0271215	0.00303062	0.00235894	0.0161633	0.0366459	0.0329604	0	0.0376762	0.0305198	0.0457433
SOX12	2.15631	2.59975	2.10856	3.42537	7.20063	4.65363	1.9628	1.43947	1.10128	1.70864	1.96868	0.895875	1.42971	1.88782	2.86127
SOX13	5.3241	1.65084	2.15288	1.57514	4.68672	5.37524	3.31516	2.56022	0.401367	0.927105	0.904422	0.870053	3.05748	2.33121	5.05114
SOX14	0	0.0437496	0	0	0	0.0386582	0	0.0100871	0	0	0	0	0	0	0

SOX15	6.50795	8.94294	7.856	21.5057	10.8827	22.5474	7.62012	6.74276	10.2916	22.379	17.7294	15.7755	41.3141	17.0414	5.36455
SOX17	1.32949	0.702255	0.399205	0.90324	4.05384	2.49889	0.494747	0.560139	0.503743	0.778704	2.21234	0.408702	1.58213	1.17353	3.06906
SOX18	5.4566	3.27653	2.53777	8.46276	20.5996	19.6829	4.30843	1.78534	3.15745	5.19607	14.7866	3.32161	11.3674	10.2724	16.8813
SOX2	0.506715	0.0621455	0.0762164	0.218368	0.0286219	0.305945	0.11571	0.155567	0.0224408	0.196575	0.114404	0.0791058	0.148604	0.0240756	0.0396931
SOX2-OT	0.187049	0.02731	0.0328236	0.0175236	0.00880459	0.067569	0.0647171	0.040299	0	0	0.00639863	0.00405571	0	0	0
SOX21	2.34681	7.67445	7.83138	3.82378	9.69235	2.32232	4.6982	4.28404	6.72052	2.41809	2.4971	3.9711	2.25588	0.34393	0.580697
SOX21-AS1	1.19358	2.93517	3.35977	1.43768	6.57342	1.39249	1.66367	2.17661	2.2843	0.651756	0.953681	1.4197	1.12013	0.170132	0.100177
SOX3	0	0	0	0	0	0	0	0	0	0.0140053	0.0629837	0	0	0	0
SOX30	0.0333377	0.0192752	0.00551586	0.0068711	0.020714	0.0397413	0.0304512	0.0237022	0.00812032	0.0251054	0.0752683	0.0381665	0.0129056	0.0243933	0.0287263
SOX4	4.42176	4.73641	4.83938	7.10892	13.2212	16.1187	3.53728	4.77719	5.22919	6.91933	9.6833	2.69202	6.21392	5.65601	9.89323
SOX5	0.721031	1.36149	2.08409	0.210579	0.190447	0.442441	1.14988	1.36979	0.0995456	0.326082	0.530553	0.0584845	0.111122	0.239531	0.616264
SOX5-AS1	0.0651917	0.361219	0.808968	0.100773	0	0.0277549	0.223301	0.231748	0	0.0409111	0.0367967	0	0	0.034072	0.0936235
SOX6	0.894773	1.43149	1.13896	0.88643	0.468418	1.24807	1.29538	0.841333	0.803756	0.564619	0.798029	0.670303	0.456103	0.466357	0.315928
SOX7	12.687	12.8617	5.24488	20.5028	16.845	23.5715	5.90066	7.39757	33.0437	5.72431	13.1027	12.9728	8.77777	7.05513	4.23819
SOX8	0.630001	0.380344	0.627929	0.0547547	0.589524	0.704478	0.63265	0.290065	0.101686	0.0190534	0.0342743	0.0760356	0.10774	0.138847	0.261618
SOX9	8.26538	5.50164	5.06136	8.67533	8.60806	15.9091	5.40033	7.82134	8.94862	13.2313	5.55186	4.87439	13.8311	3.63728	1.19124
SOX9-AS1	0.270888	0.093579	0.160674	0.00526713	0.0714537	0.0652805	0.157564	0.19532	0.00622474	0.0320748	0.00576979	0	0.00329765	0.00534257	0
SP1	12.4193	14.3203	15.4767	15.1996	7.72864	13.9906	14.4237	13.1029	10.7022	10.0974	11.1046	7.30739	14.1244	8.42831	9.52011
SP100	4.27768	3.38017	3.33109	7.27956	2.21334	9.45623	1.86177	3.15907	1.51797	2.87051	4.34744	1.58235	3.57974	2.73692	4.60095
SP110	2.95999	2.33144	2.01695	6.73839	3.30075	8.71022	2.00053	2.52457	1.17137	2.89159	3.46771	1.98991	3.72334	2.06139	3.96181
SP140	0.357945	0.24302	0.307053	0.203164	0.181581	0.341131	0.097843	0.438417	0.0490886	0.110667	0.163171	0.0679727	0.117582	0.105989	0.372593
SP140L	1.51752	0.999769	1.15102	1.60516	0.964396	1.9025	0.85074	1.09615	0.202239	0.920631	0.97311	0.608596	1.2502	1.25321	1.98868
SP2	3.51757	3.26422	3.13146	3.80888	3.98537	4.48324	4.5257	4.09105	3.45075	2.74415	3.49237	2.97453	6.84213	2.86842	3.46034
SP2-AS1	0.562137	0.725662	0.579105	0.404416	0.49426	0.406402	0.702379	0.518432	0.103339	0.173057	0.347224	0.311154	0.191609	0.570964	0.731139
SP3	10.1837	7.62997	8.53892	8.51019	3.38281	10.346	6.38597	8.65692	5.1404	10.1826	11.9799	4.42746	10.3755	7.53378	7.65511
SP4	1.34039	1.09664	1.25016	0.619867	0.299913	0.803038	1.06832	1.18793	0.31654	0.470678	0.741897	0.188629	0.757011	0.525894	0.66654

SP5	0.142638	0.481077	0.550668	0.894206	0.738555	0.556667	0.651439	0.25353	0.0723822	0.074594	0.0402552	0.068041	0.153382	0.0434869	0.0512116
SP6	1.48884	2.71148	2.56796	1.16701	4.52715	1.31177	2.86162	1.34358	10.1863	2.73441	2.01166	2.64885	3.71994	2.07602	0.660434
SP7	0.0139542	0.0168084	0.0173159	0.00719011	0.0216757	0.0178227	0.0398312	0.018602	0	0	0	0.0049923	0	0.00729308	0
SP8	0.539943	0.499374	0.482618	0.613987	0.0289213	0.311787	1.09834	0.76115	0	0.0155789	0	0.155425	0.0280296	0.0129746	0.00891294
SP9	0.111341	0.107292	0.184218	0.0819573	0.197659	0.0270873	0.0908041	0.0706791	0	0	0	0.0227622	0	0.0665049	0.1599
SPA17	0.833306	0.564483	0.429089	2.16352	0.383662	0.820207	0.786482	0.592663	1.11364	1.519	2.5336	0.596664	1.19518	0.916527	0.673949
SPAAR	0.479028	0.216378	0.0866875	0.200546	0.372048	0.675562	0.119643	0.133038	0.054694	0.112731	0.371775	0.0428447	0.164192	0.0547665	0.0644948
SPACA1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPACA3	0.0231662	0	0	0	0	0	0	0	0	0.029076	0	0	0	0	0
SPACA4	0.0476194	0.172078	0.118182	0.196293	0.258893	0.101368	0.163111	0.0846404	0.173985	0.119535	0.0268782	0.408876	0.0460857	0.18666	0.136775
SPACA5	3.83E-05	0.0562017	6.34E-05	0	5.95E-05	0	7.29E-05	1.14E-05	0	0	0	0	0	8.84E-12	0
SPACA5B	0.054797	0.0495098	0.090664	0	0.0851187	0	0.104276	0.016233	0	0	0	0	0	0.0382167	0
SPACA6	0.490883	0.653751	0.624607	0.471104	1.55539	0.670842	0.837072	0.291739	0.0399796	0.370812	0.345871	0.461943	0.254158	1.36683	1.35145
SPACA6P-AS	0.0942729	0.112576	0.0821491	0.061533	0.530725	0.193976	0.253436	0.0726771	0.021342	0.0659824	0.0395643	0.0794119	0.045225	0.277813	0.436217
SPACA7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPACA9	1.36825	2.91952	2.20723	3.22292	3.40059	2.51319	2.63347	1.38102	4.18975	3.04207	3.47532	2.88811	3.36721	1.79799	0.603532
SPAG1	0.740623	1.34163	1.62911	0.90523	0.642108	0.713738	1.27171	0.913322	4.55192	2.23382	1.87306	1.36797	4.11539	1.44031	0.643124
SPAG11A	0	0	0	0	0	0	0	0	0	3.00E-09	0	0	0.0107925	0	1.93E-05
SPAG11B	0	0	0	0	0	0	0	0	0	0.109714	0	0	0.00169446	0	0.0313751
SPAG16	1.28444	1.56952	1.51065	1.34757	1.23797	1.88429	0.821608	1.58847	1.23448	1.30133	2.81259	0.730809	0.943533	0.873501	1.07788
SPAG17	0.163047	0.278805	0.0661195	0.148257	0.55123	0.710494	0.0766547	0.326741	3.20831	1.76954	2.81864	3.49993	0.550737	1.4236	0.28466
SPAG4	0.122938	0.185104	0.152554	0.1742	0.453542	0.353295	0.298279	0.300457	0.0935778	0.424324	0.745951	0.175931	0.297446	0.240948	0.198624
SPAG5	1.00278	0.893108	0.844657	2.68057	0.783556	2.48913	1.20046	0.675145	0.680955	1.75441	1.6946	0.913206	2.43504	2.6332	0.523682
SPAG5-AS1	0.830445	0.677496	0.757128	0.392756	0.827779	0.109982	0.874955	0.648761	0.198441	0.345811	0.263818	0.589198	0.161128	0.898975	0.883332
SPAG6	0.029491	0.0284184	0.048794	0	0	0.0376668	0.0252539	0.0262091	0	0	0	0	0	0.00770664	0
SPAG7	9.84426	7.19083	7.88237	14.3796	12.1	14.1883	6.93469	5.75893	10.4768	12.9507	26.9922	6.67226	9.70201	7.74116	8.2037

SPAG8	0.0992412	0.167356	0.388038	0.194762	0.0616637	0.118304	0.329698	0.158755	0.0486814	0.0373674	0.0673442	0.134919	0.0512239	0.135176	0.0570092
SPAG9	9.3831	8.87349	10.5994	9.2925	6.58233	10.6358	7.08311	7.77994	17.7806	15.2319	10.9281	10.8942	20.6979	11.2831	11.3509
SPAM1	0	0.00369228	0	0	0.0119037	0	0	0	0.037332	0	0	0	0	0	0
SPANXA1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.119269
SPANXA2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.119269
SPANXA2-OT1	0	0.00656308	0.0112687	0	0	0	0.0155527	0	0	0	0	0	0	0	0
SPANXB1	0.0246728	0.0237754	0	0	0	0	0	0.0219271	0	0	0	0	0	0	0
SPANXC	0	0	0	0	0	0	0.0599183	0	0	0	0	0	0	0	0
SPANXD	0	0.0161137	0.027667	0	0.0519496	0.0284769	9.87E-12	0.029722	0	0	0	0	0	0	0
SPANXN1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPANXN2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPANXN3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPANXN4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPANXN5	0	0	0	0	0	0.0351266	0	0	0	0.103554	0	0	0.0266164	0	0
SPARC	105.496	69.5499	85.0334	89.5573	244.865	213.931	121.229	77.8254	66.8348	289.227	698.453	74.595	134.578	196.415	784.901
SPARCL1	46.1144	14.9529	16.4631	23.0412	15.6403	82.5777	11.0226	14.0935	4.38201	42.6048	74.3109	5.24435	19.647	18.8861	74.2271
SPART	3.45322	2.97836	3.43874	3.38626	1.68585	5.05164	2.97302	2.73345	2.19425	3.52115	4.56166	1.73422	4.3923	2.86305	3.63476
SPART-AS1	0.238281	0.15786	0.0985615	0.0306944	0	0.101447	0	0.105882	0	0	0.100871	0.0426241	0.0384344	0.046701	0.0427752
SPAST	2.15598	2.1565	2.22632	2.59107	1.40679	2.33992	1.60549	2.24456	2.61149	2.14505	3.10718	1.6963	2.63519	1.99985	1.95859
SPATA1	0.472526	0.429469	0.470865	0.320946	0.0834087	0.192031	0.196187	0.639457	0.104633	0.188704	0.121233	0.215158	0.0485023	0.275027	0.339304
SPATA12	0.824825	0.984291	0.904515	0.434887	1.16205	0.400163	0.777498	0.877938	0.140169	0.481507	0.0216541	0.809788	0.0309403	0.491242	0.413216
SPATA13	3.1173	1.567	2.28996	0.958223	1.63073	2.10887	3.21679	2.32867	0.788008	0.882002	1.07144	0.522753	1.52609	1.41871	4.77535
SPATA13-AS1	0.694826	0.180265	0.397945	0.0550799	0.24907	0.0455104	0.0610254	0.190001	0	0	0	0	0	0.167606	0.46055
SPATA16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPATA17	0.0813822	0.111626	0.117819	0.146767	0	0.103944	0.162609	0.0813664	0	0.102143	0.0229676	0.0291156	0.0131268	0.0425339	0.0438281
SPATA17-AS1	7.47E-11	0.032542	1.12E-22	8.28E-08	0	0	0	2.37E-13	0	0	0	0	0	0	0

SPATA18	1.85808	2.1106	1.95792	1.80784	1.43506	1.72798	1.78372	1.57751	1.79518	1.30936	1.40032	1.63032	1.09502	0.73512	1.25223
SPATA19	0.025516	0	0.0211087	0.0788851	0.0396352	0.0217266	0.0291334	0	0.0310757	0.0320253	0.0864133	0.0912871	0	0.0266716	0
SPATA2	1.52172	1.64773	2.01065	1.75104	1.69556	2.38999	2.14879	1.55308	1.7878	1.19454	1.54787	1.43126	2.3834	1.51195	1.06566
SPATA20	5.83997	4.08003	4.47926	2.75981	7.19244	12.9786	5.2105	3.94447	2.72305	3.72772	6.27239	1.55805	2.58372	1.89675	6.80542
SPATA21	0.029733	0.0585953	0.0863523	0.0125326	0.047227	0.0258881	0.121356	0.0778207	5.38E-35	4.21E-36	1.21E-38	0.0130527	2.36E-35	0.0885453	0.0593921
SPATA22	0.0130178	0.116128	0.0123963	4.52E-30	2.38E-20	0.0484486	2.99E-36	0.0233817	7.58E-34	0.121129	0.071612	0.0153399	0.0898692	0.0297627	1.54E-30
SPATA24	0.23894	0.328928	0.33886	0.633175	0.212089	0.668493	0.389734	0.21235	0.24943	0.514105	0.655067	0.439632	0.726768	0.356801	0.294127
SPATA25	0.611569	0.542801	0.479305	0.132682	1.19997	0.274075	0.477763	0.4863	0.117603	0.121197	0.254352	0.161219	0	0.285987	0.87829
SPATA2L	0.890498	1.43018	1.6207	1.32554	3.33517	2.59489	1.31047	0.756227	2.60286	1.35362	2.02169	0.906205	2.22796	1.93405	1.19361
SPATA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPATA3-AS1	0.00659534	0.00635547	0.0218245	0	0.0204897	0	0.00753035	0.0117228	0	0	0	0.0141574	0	0.010341	0
SPATA31A1	0	2.16E-20	2.42E-18	0	0	0	0	1.14E-38	0	0.00610083	0	0.0155397	1.09E-12	0	0.0039019
SPATA31A3	0.00397268	2.49E-10	2.24E-09	0.00564755	0	0	1.25E-18	5.01E-08	0	0.0247304	0	2.56E-05	0.00132467	0	0
SPATA31A5	0.0038341	0.00162018	0.00296774	0	0	0	1.21E-18	0.0039852	0.00109226	9.56E-27	0	6.49E-09	0.00127846	0	0
SPATA31A6	3.12E-14	0.00330917	0	0	0	0	0.012541	0	0	0.0249214	0	3.90E-08	0.00147379	0	0
SPATA31A7	0.00397268	0.00167874	0.00307501	0	0	0	1.25E-18	0.00412925	0.00113174	9.90E-27	0	6.72E-09	0.00132467	0	0
SPATA31C1	0	0	0	0	0.0285386	0	0.00699232	0	0	0	0	0	0	0.00093255	0.00256248
														2	
SPATA31C2	0	0.0116029	0	0	3.42E-11	0	0	0.0103225	0	0	0	0	0	0.00215093	0.00591035
SPATA31D1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPATA31D3	0	0	0	0	0	0	0.00273675	0	0	0	0	0	0	0	0
SPATA31D4	0	0	0	0	0	0	0.00285018	0	0	0	0	0	0	0	0
SPATA31D5P	0	0	0	0	0	0	0.00520817	0	0	0	0	0	0	0	0
SPATA31E1	0.00520419	0	0.00861055	0	0.00808391	0.00886261	0	0.00462505	0	0.0065318	0	0.00372374	0	0.0108798	0.0149478
SPATA32	0.0720967	0.0607903	0.134198	0.0185744	0.0839933	0.153474	0.0617383	0.112129	0	0	0	0.0515871	0	0.0188405	0.025885
SPATA33	0.492405	0.593121	0.651764	1.16711	1.38952	1.34169	0.515361	0.437609	0.469761	0.731323	0.917176	0.869078	0.70423	1.13664	0.636441

SPATA4	0.0375394	0	0.0310553	0	0	0	0	0	0	0	0	0	0	0	0
SPATA41	0.190659	0.229656	0.163793	0.226707	0.353113	0.218539	0.117217	0.13034	0.0625157	0.128852	0.132449	0.125928	0.118281	0.103479	0.157967
SPATA42	0.0761285	0.0916996	0.0944682	0.235358	0	0	0	0.0338283	0	0.191098	0.214849	0.108944	0	0.0397881	0.054665
SPATA45	0.0459188	0.0221244	0.0759745	0.0473206	0.0713277	0.0781984	0	0	0	0	0.0518366	0	0	0	0
SPATA46	0.0789192	0.17111	0.244828	0.121993	0.0919416	0.117598	0.202742	0.105205	0.0240287	0.148578	0	0.0282344	0.0254591	0.030935	0.0283345
SPATA48	0	0	0	0	0	0	0	0	0	0	0	0	0.0106352	0	0
SPATA5	1.58682	1.38285	1.3564	2.17051	1.04696	1.88222	1.43962	1.41296	0.75908	0.898795	1.20785	0.929145	1.36254	1.37095	1.23227
SPATA5L1	1.87883	1.99462	2.25242	5.02916	3.85832	2.75898	1.5089	1.35844	1.74524	2.18826	2.59728	1.81146	4.01674	1.97224	1.08616
SPATA6	2.05644	1.50294	1.64007	0.685771	0.545554	1.4205	1.30854	1.70438	0.320803	0.527809	0.751217	0.261222	0.250453	0.429915	1.06186
SPATA6L	0.496198	0.568676	0.322812	0.466665	0.269394	0.631708	0.291522	0.419573	0.739257	0.102789	0.32086	0.406748	0.0404066	0.292066	0.145288
SPATA7	1.96595	1.51224	1.48371	1.51652	0.428604	1.06704	1.03701	1.47131	0.322042	1.37082	1.95975	0.551159	0.793691	0.823196	1.519
SPATA8	0	0.0193756	0.0166339	0.0414415	0.031233	0	0.0459148	0	0	0.0757087	0.136189	0	0	0	0
SPATA8-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPATA9	0.127608	0.107725	0.151654	0.0404802	0.040678	0.0278727	0.0600359	0.187189	0.0079733	0.0410847	0.0938146	0.0253152	0.0380158	0.0489042	0.0658145
SPATC1	0.0682015	0.0711978	0.0940352	0.0819976	0.229538	0.0967878	0.0648919	0.0606118	0	0.0855999	0.0384955	0.0162667	0.058671	0.0475268	0.0163243
SPATC1L	0.939313	1.1844	1.24	1.3696	1.28833	1.58261	1.66576	0.976873	0.657178	0.539299	1.56799	0.893754	1.038	0.595378	0.660135
SPATS1	0	0.0201276	0	0.0430498	0	0.0177852	0	0.0371257	0	0	0	0	0	0	0
SPATS2	2.28129	3.44518	3.30145	3.09813	1.52917	3.53365	2.09992	2.1322	2.5917	2.6487	3.51101	2.17222	2.66992	2.91453	3.01378
SPATS2L	3.48402	2.78947	2.85357	4.53209	2.32565	7.56726	3.28202	2.39367	3.42137	6.70068	9.76975	2.76565	8.88872	4.95832	9.00583
SPC24	0.305548	0.248167	0.14444	1.44843	0.379697	1.59819	0.52828	0.139652	0.287066	1.13952	1.99071	0.593417	1.46445	1.25929	0.890147
SPC25	13.5859	12.6948	12.8834	9.06319	2.62278	3.49301	9.45097	11.2544	2.07361	4.90066	2.93528	6.14974	2.62998	10.3097	7.57376
SPCS1	12.124	9.30937	11.0185	19.2471	3.81379	20.7576	10.1121	11.685	10.8411	13.5723	26.6735	9.45372	15.6867	10.3913	7.78785
SPCS2	8.39235	5.64534	6.11555	10.5157	2.07093	9.54737	5.357	6.37232	6.26579	7.93749	10.1685	4.24994	9.85343	6.28005	6.49262
SPCS3	8.08698	5.51711	6.15274	10.4303	2.37002	10.0331	6.03106	9.42459	9.56693	11.5151	17.5137	6.41698	15.9422	7.90844	8.77191
SPDEF	2.20064	0.774838	1.29037	0.0249212	1.14572	1.62672	1.11826	1.53666	0	0.015176	0.0409492	0	0.0468081	0.00631952	0
SPDL1	0.523082	0.542179	0.545458	0.797251	0.163871	1.12285	0.220827	0.402367	0.262316	0.739276	1.03212	0.289358	0.890519	0.831642	0.511329

SPDYA	0.141932	0.125484	0.223432	0.0442478	0.0168608	0.0822607	0	0.0975648	0.162303	0.0558688	0.0741798	0.12827	0.0138689	0.155976	0.0821495
SPDYC	0	0.0337558	0.0386389	0	0.0362756	0	0	0	0	0	0	0	0	0	0
SPDYE1	1.75453	2.92607	2.80095	1.04754	2.22372	0.890564	3.56436	3.67202	0.274023	0.856472	0.218482	1.55049	0.338582	2.06587	2.48941
SPDYE10P	0.0541854	0.0465245	0.0407306	0.0114576	0.0419361	0.0208523	0.0409653	0.062882	0	0.0300846	0	0.0195397	0.00722601	0.0170163	0.0539378
SPDYE11	2.92E-09	1.58E-10	1.71E-10	5.68E-07	1.20E-09	4.97E-07	3.73E-07	4.30E-12	0.00038104 6	1.43E-13	0.00426106	9.66E-10	0.0074416	1.67E-08	2.63E-07
SPDYE13P	1.76E-06	6.05E-07	5.27E-06	0.00202517	0.0103746	2.48E-05	8.03E-07	0.00026126 7	0.00015734 9	7.88E-07	1.48E-12	3.67E-05	0.00030776 3	1.90E-08	0.0194053
SPDYE14P	1.76E-06	6.05E-07	5.27E-06	0.00202517	0.0103746	2.48E-05	8.03E-07	0.00026126 7	0.00015734 9	7.88E-07	1.48E-12	3.67E-05	0.00030776 3	1.90E-08	0.0194053
SPDYE15P	1.76E-06	6.05E-07	5.27E-06	0.00202517	0.0103746	2.48E-05	8.03E-07	0.00026126 7	0.00015734 9	7.88E-07	1.48E-12	3.67E-05	0.00030776 3	1.90E-08	0.0194053
SPDYE16	2.24E-44	0.0276312	0	0	0.147089	0	9.51E-42	0.0226854	3.99E-26	0	0	0.0212104	0	3.36E-36	0
SPDYE17	0.210535	0.402027	0.298287	0.131276	0.562358	0.166861	0.455819	0.197091	0.0279409	0.0554437	0.0119955	0.127154	0.0159328	0.109705	0.168939
SPDYE18	0.35477	1.15599	1.14203	0.194523	1.42513	0.190396	0.915663	0.613022	0.090775	0.0701616	0.0210351	0.397284	0.0480895	0.447984	0.134252
SPDYE2	0.811696	1.27106	1.27506	0.47851	1.0759	0.398798	1.6146	0.979842	0.0770141	0.197419	0.161003	0.938134	0.0925699	0.980091	1.46071
SPDYE2B	0.811696	1.27106	1.27506	0.47851	1.0759	0.398798	1.6146	0.979842	0.0770141	0.197419	0.161003	0.938134	0.0925699	0.980091	1.46071
SPDYE3	0.296265	0.703282	0.55923	0.107266	0.442947	0.373766	0.812174	0.800033	0.0625549	0.102056	0.0448681	0.252571	0.0306647	0.165736	0.537046
SPDYE4	0	0.0439003	0.0452257	0	0.0283064	0	0.0416126	0.03239	0	0	0	0	0	0.0190481	0
SPDYE5	1.84991	2.7958	2.74124	0.851491	2.53908	1.01426	2.7114	3.40803	0.202873	0.676224	0.370557	1.23502	0.132425	1.61581	1.62026
SPDYE6	2.50061	3.0425	2.75288	1.6319	2.88942	1.15726	3.59734	5.92152	0.598516	1.14218	0.1996	2.22195	0.572343	2.70054	3.94165
SPDYE7P	2.00096	2.58688	3.27624	0.851871	2.87427	0.954292	3.7908	3.01709	0.305727	0.53846	0.234713	1.40039	0.182539	1.96264	3.14958
SPDYE8P	0.389348	0.50787	0.610888	0.191349	0.00554655	0.133677	0.447811	1.18542	0.026748	0.0869887	0.0651588	0.156859	0.0252929	0.236234	0.20254
SPECC1	2.26913	1.05106	1.20217	2.28976	2.41442	4.3753	1.21264	1.14165	1.65073	3.01301	4.61691	1.94207	4.37469	2.98867	4.04801
SPECC1L	4.17408	3.3406	3.17363	4.6419	3.75073	6.30162	3.0356	2.57009	2.75328	3.77247	3.60231	2.59038	5.70012	4.28769	4.57747
SPECC1L-ADORA2A	0.639816	0.408955	0.520779	0.649428	0.165733	0.632596	0.466234	0.46219	0.119726	1.17088	0.49518	0.172714	0.375569	0.450457	1.00496

SPEF1	0.0729145	0.0632363	0.048256	0.0150281	0.0453045	0.0372514	0.0499508	0.0518402	0	0.146424	0.0164623	0.0208689	0	0.0304866	0
SPEF2	0.371084	0.244245	0.23024	0.208278	0.0823459	0.225695	0.117272	0.256175	0.0322813	0.0914863	0.194493	0.0260779	0.00855077	0.0519495	0.171297
SPEG	1.06163	0.387941	0.473664	0.321655	1.78186	3.71911	1.32563	0.291526	0.0750584	0.279465	0.424168	0.186349	0.191121	0.770975	2.04711
SPEM1	0.0235673	0	0	0	0	0.0200672	0	0	0	0	0	0	0	0	0
SPEM2	0.070173	0.0202862	0.0116104	0.0289261	0	0.0119503	0.0160242	0.0124728	0	0	0	0.0301264	0	0	0
SPEM3	0.0125301	0.0362231	0.0207315	0.0193689	0.0681224	0.0053346	0	0.0278392	0.00763011	0	0	0.0044828	0	0.0163719	0
SPEN	9.26138	9.67784	10.1263	8.47912	8.41763	11.227	8.89516	8.33504	5.77913	5.78705	3.80335	6.85159	9.3777	7.2522	7.55952
SPERT	0.0529286	0.00637546	0.0109466	0.0136361	0.0205541	0.011267	0	0.0352789	0	0	0	0	0.025612	0.00691571	0
SPESP1	0.24259	0.435683	0.615441	0.133331	0.179444	0.170206	0.0553962	0.15289	0.0984823	1.01421	1.49137	0.231439	1.6172	0.446841	0.464519
SPG11	6.0937	7.11767	7.30503	7.48739	4.60215	5.57801	5.66271	6.46151	5.47148	4.51851	4.58434	4.51414	4.10292	4.32359	5.08902
SPG21	11.5536	9.12022	9.17163	17.6558	8.3689	20.6031	13.3009	10.5658	14.2458	13.7947	25.3962	9.24349	17.1179	12.1455	13.1707
SPG7	6.5168	7.34564	7.96312	5.60675	9.8442	7.24285	6.94416	4.97526	3.49507	3.32218	2.72423	5.12573	3.49627	5.69835	5.34684
SPHAR	3.83E-29	3.31E-26	8.60E-26	2.34E-28	0	2.14E-43	6.93E-25	2.36E-20	5.60E-38	1.89E-29	1.28E-28	1.69E-41	8.91E-39	6.44E-29	1.87E-20
SPHK1	1.95284	1.18443	1.65354	6.43985	5.3769	7.13379	1.98486	1.19104	6.72466	15.2637	12.9677	4.85495	33.8765	11.3792	9.63439
SPHK2	1.01586	1.40978	1.30794	1.45236	3.356	2.88738	1.82967	0.858308	0.540189	1.20318	1.61519	0.926512	1.54626	1.3722	1.40754
SPHKAP	0.117172	0.025808	0.044312	0.0137998	0.0988043	0.0513103	0.137605	0.252893	0.00815438	0	0	0	0	0	0
SPI1	3.99415	2.89854	4.8	16.3458	6.56175	17.4665	4.673	4.51377	1.02093	9.01528	23.6949	0.799747	9.57628	3.3761	9.01721
SPIB	0.0458927	0.0252707	0.0596604	0.0608063	0.0203678	0.0390771	0.0299422	0.0407856	0.0159692	0.0822859	0.0666092	0	0.0845993	0.0308386	0.0094154
SPIC	0	0	0	0.126411	0	0.0870407	0	0.0363385	0.024899	0	0.0230792	0	0	0.0213703	0.381689
SPICE1	2.57706	2.60707	2.4315	2.20009	1.25586	1.57046	1.88949	2.1331	0.89234	1.17858	1.55917	1.17507	1.02697	1.66161	2.33429
SPIDR	5.44576	4.60096	4.93372	5.5028	6.04487	6.82267	4.15417	4.63046	3.55636	3.2143	3.90123	2.9572	3.67692	3.91083	5.67326
SPIN1	8.91727	7.55265	8.51289	8.37418	3.63139	10.1746	7.16257	8.19711	8.67202	8.97546	11.4321	5.61357	11.319	7.22426	8.25411
SPIN2A	0.710714	0.72875	0.689756	0.557189	1.12441	0.415676	0.367613	0.93196	0.0299672	0.17067	0.127708	0.182178	0.0387993	0.373244	0.398277
SPIN2B	1.31897	1.19043	1.31672	1.18469	1.6885	1.56745	1.09373	0.925437	0.633681	0.622271	1.85986	0.969732	0.699313	1.29607	1.70347
SPIN3	0.854385	0.737384	0.569563	0.619747	0.431648	1.04534	0.539845	0.61924	0.166689	0.515348	0.618025	0.537144	0.280974	0.544084	0.744542
SPIN4	0.872367	0.691494	0.824116	1.2702	0.778082	1.44249	1.0603	0.735272	1.72733	2.30284	2.11572	1.42962	3.36256	1.78845	1.55189

SPINDOC	0.976596	0.995791	0.779726	3.67457	2.92814	3.84838	0.518626	0.857825	0.719162	2.85053	3.97397	1.13755	2.09543	2.5758	2.39732
SPINK1	0.287938	0.260125	0.327529	0.296729	0	0.0612939	0.328759	0.159935	0.0876692	0.45174	0.162523	0.206028	0.0696662	0.526712	0
SPINK13	0.0350122	0.101216	0.0868936	0	0.054386	0.208687	0.119927	0.0311159	1.44979	1.4062	1.4624	0.0501043	0.474383	0.182989	0.100564
SPINK14	0	0.0549294	0	0	0	0	0	0	0	0	0	0.0271913	0	0	0
SPINK2	0.0448075	0.0323834	0.0556018	0.0230877	0	0	0	0	0.0272852	0.028119	0.101164	0.0160305	0	0.0117092	0.128698
SPINK4	0	0.027738	0.0476258	0.0593273	0.0894258	0	0.0657313	0.0511632	0.0701135	0.144512	0.129978	0.123578	0.0371437	0.0300885	0
SPINK5	32.565	49.4858	56.3473	30.3786	54.1294	30.4737	24.0175	38.0867	219.355	265.86	135.348	143.533	316.363	67.7081	22.2818
SPINK6	1.10506	0.0456371	0	43.0459	1.2261	1.3442	0.180245	0.505071	44.2972	218.504	80.4793	53.1575	148.89	59.8176	22.082
SPINK7	2.5293	5.70736	1.15083	17.9849	7.33389	4.05606	3.12852	6.06913	204.846	140.737	156.421	84.396	88.8019	15.4004	6.90154
SPINK8	0	0	0	0	0	0	0	0	0.0640583	0	0	0.112905	0	0.0274899	0
SPINK9	1.48156	4.28304	0.0422639	0.26324	2.22202	0	0.758304	3.81386	112.058	10.1953	28.7209	13.1233	3.39508	0.453918	0.953802
SPINT1	21.7921	21.5578	23.7668	27.7218	36.7053	24.4382	27.9661	16.5665	54.5256	21.8169	25.1504	23.3892	44.4638	15.3894	5.62076
SPINT1-AS1	2.90883	3.12268	2.89189	2.70839	5.98492	2.32474	3.72907	2.53977	6.92987	1.21696	3.51414	2.13612	1.48165	1.12021	0.183221
SPINT2	34.1493	41.6161	43.1578	83.8813	88.0977	75.9	35.105	24.3683	86.9488	70.1185	86.3798	54.6214	105.993	50.7419	14.866
SPINT3	0	0	0	0	0	0	0.0555126	0	0	0	0	0	0	0	0
SPINT4	0.219158	0.0211187	0.108782	0	0	0	0	0	0	0	0	0	0	0	0
SPIRE1	5.30559	3.14849	3.52952	4.2466	2.7382	5.41256	3.86311	3.42182	15.4393	5.73398	6.33993	4.10086	6.63896	3.85955	3.51035
SPIRE2	0.36384	0.642779	0.542969	0.580801	1.38522	0.820071	0.464293	0.228247	0.269345	0.259667	0.249659	0.439	0.409657	0.47726	0.307364
SPN	0.484295	0.784554	1.14765	0.608557	0.990094	0.438975	0.51371	0.860803	0.186458	0.15294	0.310389	0.123142	0.52615	0.246582	0.897431
SPNS1	6.18055	5.82981	6.03001	8.54622	17.0081	16.0907	9.33733	5.17676	10.0872	7.21906	14.7687	7.19098	11.9765	6.95232	7.4793
SPNS2	7.18983	6.20135	7.51217	31.0943	16.2975	17.756	7.30483	5.51515	54.1161	15.1391	29.751	12.2345	14.873	11.9886	7.55078
SPNS3	0.244512	0.0765762	0.192164	0.125988	0.132934	0.374758	0.0977115	0.152111	0.208452	0.0460331	0.317427	0.00874774	0.0946547	0.0127793	0.175575
SPO11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPOCD1	0.0350475	0.00562881	0.0193292	0.108352	0.0453674	0.581928	0.0333468	0.0103824	0.014228	0.557185	1.08142	0.0961302	0.342956	0.656372	0.385884
SPOCK1	4.85683	0.988707	1.39219	1.54155	0.945834	18.4649	2.759	2.97414	0.134301	1.46829	3.02553	0.325906	1.7787	1.45087	7.64291
SPOCK2	1.02858	0.410017	0.547891	0.915091	1.2529	1.87767	0.46469	0.644485	0.112652	0.273984	0.304904	0.280624	1.36547	0.845046	1.65783

SPOCK3	0	0.0031287	0	0	0	0	0	0	0	0.0652007	0.0219913	0.00929263	0	0	0.00932557
SPON1	4.67186	2.54184	2.57908	8.64936	9.1115	25.0842	2.12441	4.36016	0.795584	5.50743	10.3699	2.44669	9.42647	11.189	28.0345
SPON2	6.60561	4.97623	5.46596	4.70829	24.0207	11.8911	13.4885	4.39937	6.14459	18.925	39.2883	10.0749	13.6177	16.8734	35.0747
SPOP	5.01027	4.6044	4.96775	5.94531	5.05874	9.58637	4.43345	4.1908	4.75595	4.59609	7.03671	3.20014	4.57322	4.02414	5.57642
SPOPL	2.26022	2.74197	2.96499	2.43321	0.733528	2.74936	1.69125	3.55468	4.98926	3.9614	3.91839	3.03523	6.09875	3.9531	2.83442
SPOUT1	2.57017	2.70392	2.59269	3.1552	5.34898	4.84806	2.24454	1.80188	2.00185	1.60052	1.79598	1.99212	2.46889	2.6554	1.85009
SPP1	1.04616	0.153675	0.0527717	2.22193	0.753069	2.75927	0.0437001	0.85037	0.0621513	31.5287	71.1062	0.191703	2.16487	0.453417	0.659597
SPP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPPL2A	8.71186	9.65872	10.2849	12.9905	4.82792	12.8094	7.50636	9.32371	8.58374	11.7464	17.1649	5.8202	17.3546	9.80085	8.894
SPPL2B	2.82766	3.66915	3.78996	4.27092	9.6047	6.93379	4.49637	2.68554	2.02487	1.84304	2.69203	3.11739	2.81879	3.57733	4.06958
SPPL2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPPL3	12.4095	13.673	13.8456	12.4302	11.4316	14.9191	14.9815	11.0534	15.1953	12.7823	13.4456	11.3939	16.5085	8.79412	5.93247
SPR	1.28484	1.40625	1.24663	4.29914	3.7945	4.1465	1.8111	0.549786	1.12047	2.76732	4.44082	1.83868	5.26041	3.12545	1.36681
SPRED1	3.24736	2.43609	2.65478	6.12758	2.99287	5.24769	2.56153	3.19216	1.24708	3.44719	6.13979	1.25765	3.38992	3.06932	4.5491
SPRED2	3.38436	3.41952	3.82914	4.05698	2.80635	6.79335	3.53456	3.11389	2.07907	2.76727	4.99481	1.54199	4.69144	3.26974	4.89612
SPRED3	0.169448	0.562905	0.656631	0.629556	0.685735	1.11629	0.483676	0.396293	0.206369	1.15292	0.583925	0.322256	0.995455	0.857643	1.05024
SPRN	0.761722	1.05321	0.827092	0.226858	2.33633	0.562593	0.817377	0.506739	0.0585543	0.180644	0.0614456	0.482558	0.0900453	0.465449	0.873133
SPRNP1	0.221523	0.299648	0.335655	0.127709	0.664811	0.149488	0.224032	0.156024	0.0628863	0.0388847	0.011658	0.13462	0.026652	0.185047	0.28179
SPRR1A	30.3759	7.79693	6.7224	202.442	35.5149	193.934	14.3796	32.3394	321.356	1360.56	1446.73	763.193	1883.15	608.882	200.685
SPRR1B	154.572	102.842	48.0036	1381.79	273.998	377.469	76.2649	147.798	1764.28	3545.01	2698.19	2813.72	4913.54	1501.91	541.99
SPRR2A	87.2104	2.18339	3.27832	1509.97	140.422	277.797	4.08837	34.4655	477.487	574.845	747.731	535.052	1538.88	446.599	148.331
SPRR2B	28.6245	3.7463	4.93872	365.15	47.5514	38.7659	2.54214	22.5515	110.526	32.4504	69.058	71.0842	83.8195	13.3497	7.41751
SPRR2C	0.102403	0	0.0282383	23.1812	1.11347	0.174389	0	0.0606714	1.12244	2.82757	0.693601	3.68802	12.0908	1.49857	0
SPRR2D	37.0252	17.8078	25.9997	710.012	70.3915	34.3786	10.0765	58.1152	84.2797	363.758	127.723	242.407	722.853	153.919	41.2576
SPRR2E	261.265	140.627	177.844	1390.8	325.193	172.708	113.815	294.362	1044.99	537.819	633.89	672.779	1127.85	183.912	66.5194
SPRR2F	1.82799	0.0332427	0.17122	166.502	12.2199	1.82286	0.27566	1.83913	4.79226	2.38124	0.700854	9.25505	37.3079	0.252374	1.01083

SPRR2G	306.094	212.755	233.664	900.157	574.08	136.972	149.031	422.396	746.442	307.182	561.821	443.081	271.598	136.345	35.3328
SPRR3	0.0234717	0.011309	0	4.47483	0.729192	0.119915	0.0803975	0.166877	7.40373	7.51215	10.9166	1.76343	4.2554	1.45981	1.44945
SPRR4	0	0.28438	0.179891	1.63266	0.0482539	1.03159	0.390153	2.31903	0.49183	1.71552	2.06901	2.86734	1.56333	2.93866	0.490738
SPRTN	1.77754	1.58503	1.77289	2.21365	1.34557	1.86316	1.24631	1.74438	2.21973	2.07388	2.63969	1.59791	2.39388	1.55186	1.58919
SPRY1	10.9131	7.83215	10.5265	8.99556	5.95802	11.9298	10.2446	7.5277	4.07817	4.62306	7.08767	3.08211	5.31766	5.17072	6.36091
SPRY2	3.67287	2.61892	2.59487	4.84866	2.44658	5.84963	3.19872	2.04306	0.808103	1.84224	4.7288	0.858425	1.84215	2.13327	1.62669
SPRY3	0.189998	0.10375	0.119457	0.121395	0.106248	0.169331	0.127268	0.159849	0.043194	0.0985665	0.13155	0.0797566	0.058024	0.156896	0.272861
SPRY4	1.10046	0.667305	0.688838	2.67342	1.83288	4.77413	1.2278	1.03377	2.42058	4.38513	6.88219	2.93406	7.46447	6.07742	3.76771
SPRY4-AS1	0	0.0943374	0	0.0807093	0.121655	0.10003	0	0.0348014	0	0.147446	0.353646	0.0560388	0.0252653	0.0818651	0
SPRY4-IT1	0.167947	0.129471	0.2223	0.242303	0.521758	0.31461	0.345161	0.388068	0.122724	0.463739	0.341264	0.528749	0	1.77308	1.44716
SPRYD3	5.9752	6.35878	7.31345	9.80989	15.9638	16.6345	8.55265	4.99459	7.29635	8.03446	6.36211	6.36512	14.7841	8.91079	7.36822
SPRYD4	1.95699	2.51089	2.38296	3.72756	2.57878	3.18292	2.44783	1.96394	2.67797	1.97326	2.97869	2.21842	2.97217	2.39038	1.19998
SPRYD7	1.44554	1.42415	1.8503	2.27527	1.73155	2.10654	1.26454	1.77682	3.31956	2.99676	3.70209	2.08923	3.62392	1.94702	0.908888
SPSB1	7.67723	8.34601	7.6656	5.19534	9.41113	10.8867	8.9945	4.75094	11.3936	6.16909	8.53253	4.83981	8.49823	4.33842	6.01389
SPSB2	1.69264	1.87575	2.07495	1.61746	5.13901	2.2012	1.73934	1.44958	3.39202	1.54505	2.57087	4.70141	1.44949	2.75045	1.87838
SPSB3	10.4801	13.2051	14.4218	8.8337	28.6513	12.6533	12.4444	7.05288	22.1119	7.58375	10.3458	10.0743	7.5732	8.0764	8.49073
SPSB4	0.0636673	0.0268414	0.0460863	0.0902151	0.148346	0.155859	0.236253	0.0565822	0.0387698	1.73802	0.134761	0.205	0.179715	0.133101	0.0457171
SPTA1	0.00866132	0.0347763	0.0501568	0.0059505	0.00896935	0.0196667	0.00988922	0.00769746	0	0.00362362	0.0162959	0.0020658	0.00186275	0.00301786	0.0456088
SPTAN1	29.2712	29.9025	36.8022	25.9499	36.2643	41.9777	48.4933	22.1343	35.0425	29.4421	16.7707	26.4325	52.8239	25.0748	31.9279
SPTB	0.790903	0.921001	0.836136	0.690679	1.32562	1.27716	0.797224	0.810141	0.220467	0.292119	0.165429	0.539698	0.394881	0.865015	0.872766
SPTBN1	27.859	17.7653	21.0784	17.1913	19.3413	26.3073	28.7605	16.13	6.38201	12.3314	10.429	9.79373	21.1748	16.648	25.5164
SPTBN2	11.042	26.7217	28.7436	20.3957	45.0143	17.9321	29.1037	16.5141	31.5403	14.0393	5.9533	27.6693	27.0769	11.9794	3.76804
SPTBN4	0.106358	0.10005	0.106841	0.0234868	0.110141	0.260907	0.141676	0.114777	0.00925231	0.00953504	0.0228696	0.00724783	0.00653541	0.00264702	0.0218206
SPTBN5	0.138191	0.337346	0.405297	0.486228	0.831035	0.272317	0.228118	0.297041	0.180323	0.272555	0.144858	0.456258	0.169404	0.528272	0.462128
SPTLC1	7.66616	7.31111	8.03849	9.91417	3.5062	9.59235	6.9694	7.88944	13.9126	10.0451	11.1402	7.75049	17.1161	8.729	8.25225
SPTLC2	5.41441	5.70919	5.6705	8.87494	4.41658	7.49234	3.8419	5.00082	19.0816	9.36802	7.92025	8.73003	12.4114	6.13668	4.82017

SPTLC3	4.09042	6.68183	5.19945	2.95193	4.56099	4.29254	5.74227	5.27208	24.537	4.69104	5.92046	6.93615	2.33044	2.31597	1.70046
SPTSSA	3.82673	2.75467	2.67464	12.0471	1.64566	6.92121	2.50267	4.47228	3.60385	8.72324	11.2482	6.43036	16.6053	5.90459	4.8661
SPTSSB	3.97595	4.64611	4.35282	0.59768	3.42993	1.11858	3.34289	6.96768	30.1008	2.51705	6.43679	5.73987	0.225419	0.544155	0.130457
SPTY2D1	3.37718	2.68591	2.83022	4.83154	2.13162	4.48145	2.456	3.41882	5.4545	5.1127	5.19289	3.25973	7.65599	4.45681	3.32362
SPTY2D1OS	0.25457	0.285362	0.315587	0.312828	0.121614	0.119996	0.358441	0.304398	0.445335	0.210852	0.552829	0.33906	0.0505135	0.222684	0.260896
SPX	0.0163094	0.0117872	0	0	0	0	0.0186216	0	0	0.02047	0	0	0.00526137	0	0.0468447
SPZ1	0	0	0	0	0	0	0.0141229	0.0109928	0	0	0	0	0	0	0
SQLE	8.19956	10.5687	12.9644	30.1212	11.3055	19.1126	14.0209	12.3653	26.1959	24.46	19.308	13.1578	37.4119	14.989	3.54714
SQOR	7.9232	7.18976	7.05555	26.9361	8.10052	25.856	7.72468	7.1453	12.1848	27.5537	28.5841	10.5481	40.726	14.6213	8.22136
SQSTM1	23.579	18.5975	22.324	29.4295	45.9597	55.9631	24.4803	15.3817	25.7581	25.4564	43.6342	15.4539	28.6715	17.3496	21.7007
SRA1	3.93783	3.30175	2.72078	6.33648	4.44238	7.48338	3.62953	3.20635	4.12603	5.74312	9.68539	3.93523	7.74977	5.69134	5.02337
SRARP	0.22469	0.0120288	0.0619598	0	0	0.0637735	0.0285048	0.0221873	0	0	0	0	0	0	0
SRBD1	1.71662	2.05264	1.80883	2.91179	0.953713	2.48059	1.24466	1.53116	1.04533	2.26462	3.11895	1.48381	1.98066	2.32481	2.86117
SRC	3.03954	4.41709	3.99971	9.09332	11.5536	9.50209	3.91906	2.61885	7.72918	8.2327	5.79672	6.23559	14.4144	8.21115	5.65046
SRCAP	6.38566	8.95972	8.83248	11.729	16.8145	18.547	12.7907	7.89008	8.28293	5.83767	4.00091	9.30107	12.983	8.88633	9.98931
SRCIN1	0.288878	0.594703	0.57844	0.35859	1.35638	0.461204	1.13192	0.525131	0.155921	0.123604	0.062998	0.342934	0.192736	0.152696	0.0895731
SRD5A1	4.95649	6.77306	6.12838	8.87349	7.21128	4.17473	4.81072	4.35047	6.10174	5.04788	7.18651	5.88157	4.09747	2.99886	2.42039
SRD5A1P1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRD5A2	0.00946546	0.0136818	0	0	0.0294063	0.0402986	0.0108074	0	0.0461115	0	0.0106853	0.00677279	0	0.0197883	0.0135936
SRD5A3	3.00559	3.01377	1.62322	5.76808	3.22406	3.69397	2.05254	2.38385	7.17591	3.13174	6.35696	4.67447	2.82098	2.05989	1.15647
SRD5A3-AS1	0.449865	0.325128	0.144729	0.180288	0.465864	0.212808	0.228285	0.244324	0.030438	0.156841	0.0564268	0.393422	0.16125	0.391865	0.14357
SREBF1	4.21406	11.4412	12.578	14.3859	17.7043	19.134	14.4192	6.7582	8.26963	6.5812	5.56806	9.71679	11.0794	6.16486	4.34346
SREBF2	13.1819	19.7155	19.9075	33.2112	29.7489	25.0242	19.6823	13.6408	23.8481	20.1838	13.9221	19.8557	32.6708	13.9786	8.92062
SREBF2-AS1	0.939948	0.960701	0.851694	0.618686	1.64594	0.790262	0.965483	0.823205	0.230432	0.459706	0.42571	0.556372	0.494848	0.58783	0.111827
SREK1	4.53611	4.20202	3.58897	2.92571	1.48653	4.03897	2.20715	3.28287	2.77776	2.6985	3.1149	2.76183	2.30099	3.80289	3.63744
SREK1P1	2.20185	2.33492	2.57863	2.66929	0.671457	2.02437	1.83923	2.6231	6.34208	5.26006	4.39938	3.29836	6.51481	2.93873	2.28915

SRF	4.69694	6.06009	7.14767	10.3236	9.56234	11.7347	5.04084	3.11864	14.5386	9.38051	8.68816	6.61291	20.4182	12.146	6.51175
SRFBP1	2.57054	2.11533	2.30881	3.25451	0.88732	2.86279	1.09013	1.95813	2.10697	1.83336	3.16898	1.72251	3.72241	2.51636	1.85167
SRGAP1	1.79793	0.80104	0.934096	1.48449	1.10199	2.39092	1.37886	1.6099	0.583696	2.10028	1.44276	1.05011	3.10798	2.09162	2.73763
SRGAP2	4.19073	6.86939	7.8997	3.21165	6.27423	5.22422	9.80089	5.41953	6.15539	2.47113	2.64961	2.58051	2.13819	2.86245	4.59787
SRGAP2-AS1	0.905758	1.28696	1.30746	0.390508	0.703478	0.39349	1.55125	1.19102	0.135075	0.382807	0.198238	0.72084	0.0775212	0.821185	0.836218
SRGAP2B	2.7597	3.38842	4.36792	1.4391	1.27977	2.13119	2.52288	3.66366	3.1838	1.878	2.37935	1.63985	1.38012	1.62001	2.97028
SRGAP2C	1.81317	2.78508	2.86983	0.945528	0.840914	1.40017	1.85041	2.99749	2.09182	1.23394	1.93709	1.07741	0.906863	1.32299	1.95156
SRGAP2D	1.33896	1.70004	2.19116	1.06197	1.84347	1.522	2.23171	1.63923	2.96789	1.49859	2.92572	1.09592	0.875024	0.919142	1.63218
SRGAP3	1.64977	1.08754	0.956001	0.861999	0.79958	0.940157	0.837503	1.36782	0.0752286	0.229352	0.482302	0.254138	0.189304	0.312074	0.465722
SRGAP3-AS2	0.465367	0.241469	0.192492	0.276677	0.305832	0.0762027	0.42916	0.20679	0.0217986	0	0.0202054	0.0768421	0.0577408	0.102901	0.0257048
SRGAP3-AS3	0.35954	0.18235	0.250473	0.0585027	0.264548	0.11279	0.259271	0.302712	0	0.0237505	0	0.0677002	0	0.0395603	0
SRGAP3-AS4	0	0	0	0	0	0	0	0.046428	0	0	0	0	0	0	0
SRGN	5.61368	1.97513	2.42957	28.6728	3.94419	20.3185	2.58476	4.45881	1.17363	49.5716	109.687	1.72928	29.8039	9.60926	24.1637
SRI	4.73447	3.70917	3.32759	8.9845	2.51121	7.75949	3.8345	3.07018	7.64116	6.84805	12.6663	4.28962	6.3949	5.7234	3.81424
SRL	0.222451	0.0760008	0.107071	0.0875291	0.125652	0.265181	0.170865	0.107834	0.00985167	0.0558399	0.0410924	0.037622	0.0887243	0.0760994	0.15683
SRM	10.5807	7.13013	7.6853	32.655	21.6034	40.8671	12.143	8.45001	14.6131	15.4932	33.9859	14.0749	25.289	20.1815	15.3258
SRMS	0.134889	0.111414	0.278974	1.52907	0.583687	0.24612	0.154012	0.205505	0.868333	0.278134	0.369805	0.634251	0.497312	0.292066	0.124533
SRP14	25.1629	16.1494	15.5599	32.5206	13.5571	33.6836	13.4359	16.7156	25.6537	35.7915	69.408	16.0262	29.6358	22.6224	17.1815
SRP14-AS1	0.181241	0.214953	0.24797	0.158039	0.108281	0.231486	0.222853	0.0805359	0.0254689	0.0962398	0.0786916	0.0399023	0.0854529	0.12387	0.0800876
SRP19	2.3892	2.28974	2.55746	3.5713	1.31539	2.57207	1.65472	2.77693	2.8313	2.77054	4.67114	2.1826	3.25821	3.23067	2.13018
SRP54	6.28038	6.11066	7.45336	9.25337	2.71077	10.4361	4.10087	5.72575	9.21816	9.57614	11.1444	5.66256	12.1757	7.45563	6.46952
SRP54-AS1	0.152544	0.167995	0.216334	0.0449145	0.101551	0.0927778	0.0497627	0.174302	0.0530803	0.0820534	0.0492008	0.109149	0.0703003	0.0341683	0.062592
SRP68	8.77134	9.22162	9.71676	15.9023	9.83957	16.3228	8.36445	7.88269	14.987	11.6074	11.0893	9.89339	19.6587	10.3273	7.17332
SRP72	12.9289	9.02419	8.4597	17.7764	3.99135	16.6985	6.55629	10.7015	14.0998	17.6321	19.3223	9.6577	20.4513	13.4418	9.11296
SRP9	18.7714	14.0277	15.1863	25.3956	3.50615	24.2797	12.6574	23.9832	22.1657	25.5506	45.3179	14.0756	32.6569	19.3604	15.2231
SRPK1	8.0289	10.1397	7.3399	10.0722	8.17244	10.0867	8.11982	7.69768	70.3857	12.1812	16.0686	15.7378	12.7751	10.0704	4.90599

SRPK2	7.0359	7.08473	7.51312	8.1105	4.16037	7.86431	5.23628	6.32854	9.27443	9.5578	7.45674	6.22453	11.0402	7.10185	4.80803
SRPK3	0.13872	0.167093	0.315586	0.0833902	0.377089	0.334667	0.290373	0.113009	0.0281575	0.0435268	0.0652488	0.0330859	0.0149169	0.10271	0.182617
SRPRA	14.124	11.886	13.6777	23.5249	13.7541	34.4413	15.5282	11.4478	16.0709	15.7821	15.8677	12.2749	30.6151	15.3431	16.0915
SRPRB	6.02522	3.46708	3.4336	10.1658	4.65419	8.90848	4.42113	3.76139	4.25726	6.27791	9.52795	4.39907	7.95974	5.96435	4.72622
SRPX	5.70367	1.69926	2.05239	5.06318	4.83604	16.8169	2.77709	3.72875	0.162923	2.68642	7.24873	0.304562	3.44459	1.75427	11.1603
SRPX2	2.24033	0.605904	0.804289	3.22351	1.34604	4.33712	3.05263	1.18334	0.360364	4.98705	7.28893	1.59546	4.00226	4.34667	5.55457
SRR	1.39427	1.20587	1.14729	1.92869	0.311452	2.46348	1.00015	1.41879	1.48242	1.64858	2.12857	1.1302	1.96557	1.29971	1.12228
SRRD	2.81326	2.54642	2.43387	4.37093	2.7358	5.31233	2.43778	2.03156	6.94071	3.47943	6.97438	3.18676	4.88114	3.09565	2.30101
SRRM1	12.6411	13.0301	13.4624	15.7702	7.25707	20.2074	11.7846	14.4321	10.3883	8.85779	8.64617	8.9135	15.1174	10.2539	10.5408
SRRM2	31.5634	50.0892	45.1383	50.833	61.4975	59.8954	61.0862	45.0121	27.9355	26.0034	16.6926	50.8699	42.6273	36.6281	51.53
SRRM2-AS1	0.0844123	0.149224	0.0698318	0.0289965	0.0437982	0.203803	0.0803161	0.100025	0.0171546	0.106085	0.0958176	0.0705354	0.0635395	0.0661764	0
SRRM3	0.543734	0.722701	0.522198	1.55219	3.47551	1.28784	0.649361	0.43879	5.48036	1.88259	1.62976	1.80665	2.11295	0.783942	0.466727
SRRM4	0.0027301	0.00394621	0.0112927	0	0.00424079	0	0.02182	0.00485257	0	0.00342656	0	0.00195346	0	0.00285374	0.00784153
SRRM5	0.390013	0.461938	0.257211	0.169379	0.827015	0.17417	0.279086	0.296857	0.0627896	0.103667	0.0341694	0.30754	0.00663286	0.342088	0.368051
SRRT	7.81164	11.2691	11.3297	15.1266	18.2788	19.0588	9.43657	7.49524	7.75499	7.20144	3.91927	10.2445	14.4807	12.8702	10.1374
SRSF1	14.2435	12.4726	12.9571	20.2734	7.65104	19.3113	9.57605	14.1452	10.4139	14.4078	19.7553	9.91589	24.9651	17.9044	12.9634
SRSF10	2.31358	1.6807	2.00837	2.28147	0.474235	1.85033	1.24287	2.32798	0.835295	1.62443	2.2671	1.05991	2.17257	1.88127	1.74266
SRSF11	12.6129	10.9557	11.1284	8.01111	5.15971	10.0955	6.42358	9.82202	5.80338	7.56324	6.28725	7.17992	6.56681	9.0279	7.705
SRSF12	0.276508	0.1797	0.122353	0.212055	0.0799092	0.344951	0.102789	0.3086	0.0313261	0.1937	0.290365	0.156438	0.215741	0.198288	0.230872
SRSF2	24.087	22.4091	24.5559	33.2909	18.7756	39.0068	19.9727	17.4099	22.2991	24.6274	40.2238	23.6582	36.3073	29.8876	18.5854
SRSF3	16.2708	12.4856	12.886	24.8035	9.61635	20.8008	13.902	14.2716	17.2482	19.5421	26.2201	15.3819	26.3005	15.7379	12.7775
SRSF4	11.3154	11.0934	10.7155	14.2438	8.75284	11.8158	6.06812	7.75554	9.89282	10.1836	6.69146	9.1568	13.9403	11.6175	10.2074
SRSF5	58.3764	62.5205	64.7776	62.1517	38.2909	44.9846	42.1774	47.6936	62.4066	37.1288	42.5386	38.384	63.9187	32.1395	34.6584
SRSF6	16.2186	15.737	14.929	26.7978	13.5503	21.6395	13.4292	15.2079	18.9584	16.5062	22.4222	16.3904	24.9041	19.9484	17.0819
SRSF7	8.74947	8.85243	8.96898	16.462	6.22501	12.1926	6.22114	6.30498	8.4251	10.5498	18.6313	8.02364	13.2401	11.1283	8.39919
SRSF8	6.22898	5.23289	5.18386	6.56726	5.30928	7.27583	4.62586	4.90177	10.9124	5.45259	6.77336	4.92935	8.93079	4.46412	3.83818

SRSF9	19.907	17.5571	17.6783	42.5048	35.4389	40.5148	18.6154	14.4547	40.4419	40.2227	59.2743	27.858	46.7882	29.9267	15.5085
SRXN1	4.27746	2.51294	1.76575	11.0866	5.13368	9.21177	3.7538	2.24875	21.9594	14.3992	12.1155	8.88016	21.5508	9.96794	6.05646
SRY	1.90467	3.53251	4.16583	1.23684	2.63438	0.599845	0.268113	2.55066	3.17764	1.27715	1.50215	2.22162	0.269344	0.981827	0.861822
SS18	9.84774	9.10712	8.67422	11.5292	2.95029	11.8689	6.5355	9.28367	12.4293	10.5232	12.4093	8.28916	13.3835	8.68229	8.2391
SS18L1	2.69451	3.78266	3.9577	2.15332	2.053	2.2468	2.51328	2.85374	2.45979	1.96255	1.96481	2.71386	1.62739	2.56602	1.98496
SS18L2	4.09121	2.91716	3.04325	6.02004	1.66038	4.32641	2.80985	2.69522	14.3502	6.95753	11.0166	4.82021	6.48941	4.03468	2.64177
SSB	6.69121	5.71575	5.61373	11.7256	1.99808	13.8819	2.32338	4.46021	6.25352	7.31115	9.53701	4.48539	12.9273	8.28113	7.07125
SSBP1	11.2345	8.49418	7.30648	15.87	4.08086	19.1908	6.84773	7.51125	13.3665	14.1439	26.3985	8.86719	15.021	11.7071	7.37204
SSBP2	2.3456	3.14312	4.29919	1.10811	0.653766	1.96012	2.19761	2.79388	1.21894	1.58473	2.63919	1.00995	0.958692	0.913404	1.77643
SSBP3	8.17895	8.96107	8.00767	8.15751	7.75552	15.8238	8.20974	6.42187	11.3644	5.7844	6.80838	6.31027	7.57144	5.01072	5.06611
SSBP3-AS1	0.62692	1.08912	0.942304	0.254784	1.23442	0.285703	0.715797	0.604238	0.0752764	0.221648	0.0996781	0.815022	0.0683637	0.586088	0.16485
SSBP4	5.93022	3.29847	3.73239	7.078	8.61497	14.2455	5.06996	2.87015	1.5306	5.25325	11.7234	3.07941	8.08766	5.89265	8.99483
SSC4D	0.100936	0.129195	0.0972912	0.135982	0.321296	0.213098	0.0388815	0.0694279	0.0516459	0.116514	0.23757	0.101275	0.107904	0.128423	1.80E-34
SSC5D	1.20259	1.07172	1.56337	0.647606	8.81347	2.29436	9.12123	1.31787	0.165182	1.61719	3.51133	0.737558	0.761318	2.75984	11.3948
SSH1	3.75939	3.54746	4.00994	6.48459	3.28552	7.58345	4.0336	3.50888	3.21078	3.32154	3.81468	2.36924	5.75596	5.37592	7.40229
SSH2	3.27248	2.28604	2.54661	3.63435	2.10367	3.8924	2.86299	2.78715	1.38479	3.01085	2.68717	1.8223	3.65322	2.39159	3.65089
SSH3	5.14647	7.92326	8.27557	10.3586	16.5506	13.6463	6.03216	5.59571	10.8022	10.1937	7.91575	7.70435	11.658	8.52322	4.98892
SSMEM1	0.0200199	0	0	0	0	0.0170467	0	0	0	0	0.0226	0	0	0	0
SSNA1	10.0836	8.02232	8.26047	15.6885	20.3241	20.9625	8.95776	5.52987	14.9764	14.9093	31.1231	10.3651	17.0581	12.3141	5.2274
SSPN	2.08567	1.06152	1.47024	0.655901	0.577985	1.40489	1.88943	1.32274	0.214657	1.99709	4.41045	0.213693	0.476983	0.575735	4.31716
SSPO	0.0356527	0.116667	0.105688	0.0367411	0.366899	0.126491	0.161132	0.0580894	0.0271381	0.0186449	0.0184467	0.048895	0.0172522	0.0364909	0.121604
SSR1	6.76108	5.48418	5.89087	10.7363	2.46746	10.0772	5.25185	6.71144	6.2825	9.11578	12.0175	6.73167	12.4245	7.74413	8.68319
SSR2	31.029	22.9363	26.0952	36.22	31.0877	71.3554	36.9325	24.3371	23.6719	41.5546	98.1338	18.4011	41.0757	30.6694	37.8196
SSR3	11.7264	7.0825	7.7398	13.5014	3.78078	11.8829	7.76847	8.83947	10.2019	16.8122	25.5072	7.9643	18.3409	11.3862	13.5691
SSR4	18.7625	14.3818	12.9882	33.5967	24.1165	31.0442	22.1971	11.438	27.9968	27.2709	57.6567	18.6399	21.1223	16.1985	15.644
SSR4P1	0.481933	0.365596	0.500482	0.528347	0.684897	0.838182	0.608794	0.282497	0.0999048	0.141567	0.30096	0.220108	0.17201	0.171492	0.32397

SSRP1	15.0319	12.6538	13.8753	29.298	17.8662	36.2873	15.1664	10.5501	14.0578	14.4771	13.642	12.4945	29.1697	18.9994	13.0281
SSSCA1	3.81335	3.40856	4.19898	9.72959	6.74046	9.04684	4.0837	3.10851	5.18872	6.93164	11.7268	5.64527	7.33017	6.47386	3.55024
SSSCA1-AS1	0.310125	0.644386	0.705532	0.339567	1.32476	0.627159	0.951618	0.430645	0.566545	0.413566	0.547019	0.624101	0.400182	0.506515	0.334034
SST	0	0	0	5.35861	0.455053	1.71492	0	0	0	0.0919206	0.537394	0.759849	0.236262	5.12913	0.578481
SSTR1	0.107868	0.0493738	0.0267708	0.0389063	0.041889	0.3628	0.129318	0.0383456	0.0131371	0.0135385	0.00608847	0.00771823	0.0139192	0.00845647	0.0232368
SSTR2	0.156161	0.0865268	0.142106	0.0482785	0.0970287	0.990619	0.0891498	0.0832697	0	0.0685993	0.317315	0.00558687	0.0856411	0.318304	0.549454
SSTR3	0	0	0.00445349	0.0221908	0	0.0137516	0	0.00478428	0	0	0	0	0	0	0.0386559
SSTR4	0	0	0	0	0	0	0	0	0	0	0.0623028	0.0131633	0	0	0
SSTR5	0.00851474	0	0.028176	0.0175494	0	0.0145004	0.0194437	0.00756719	0	0	0	0	0	0	0
SSTR5-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSU72	15.2392	12.0749	12.7686	28.5719	25.0237	29.5514	14.6417	12.3122	40.3208	23.0503	29.9953	18.3641	31.1585	17.1547	9.97345
SSUH2	0.26212	0.0789335	0.00903519	0.0112551	0.305373	0.0650977	0.0748202	0.174713	0.0266028	0.164494	0.209597	0.0781476	0.0211398	0.0684978	0.752876
SSX1	0	0	0	0	0	0	0	0	0.0203653	0	0.0188769	0	0.0107889	0	0
SSX2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSX2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSX2IP	1.01445	0.731342	0.798516	1.31457	0.258712	1.1442	0.652604	0.857825	0.484051	1.28749	1.37593	0.617527	1.88052	1.21273	0.755619
SSX3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00917026	0
SSX4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSX4B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSX5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSX6P	0	0	0	0	0	0.030647	0.0205474	0	0	0	0	0.0386302	0	0	0
SSX7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSX8P	0	0	0	0	0	0	0	0.014214	0	0	0	0	0	0	0
SSX9P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ST13	19.9123	17.2425	18.7977	26.5581	9.69656	30.8357	14.3417	18.865	18.1246	19.1562	24.6371	14.862	25.4166	16.48	12.6215
ST13P4	0.127873	0.12995	0.132374	0.0654174	0.114852	0.0941263	0.0897761	0.0691974	0.0579751	0.060799	0	0.125913	0.0620736	0.0830951	0.0235049

ST14	12.5814	20.2165	20.2189	48.1834	46.7557	33.1359	16.6871	13.7865	52.6644	33.1839	18.4859	28.7282	53.5146	25.4703	9.14503
ST18	0.0256045	0.0180937	0.0367152	0.0175908	0.010606	0.0101742	0.00389792	0.0409593	0.00415779	0.025709	0.0289043	0.00854966	0.0132159	0.0115978	0.0367713
ST20	0.361306	0.573961	0.544196	0.800367	0.68046	0.513725	0.351646	0.431584	0.445338	0.50544	0.979512	0.529015	0.452688	0.383398	0.659504
ST20-AS1	0.880995	1.11275	0.890296	0.916958	2.24776	1.68767	1.07554	0.357158	0.987943	0.858868	1.34341	0.695826	1.54075	0.760017	0.73232
ST20-MTHFS	0.00069364	0.00041329 3	0.0189411	0.00405773	2.47E-14	0.0810126	0.00036665	0.00568427	0.00034838 2	0.017365	0.0159303	0.00028400 1	0.124751	0.0398939	0.259414
ST3GAL1	2.78208	1.22048	1.42816	3.21598	3.2231	8.11308	2.16821	1.59915	0.772265	3.07928	3.82271	0.681763	4.48742	2.7415	5.91206
ST3GAL2	2.61074	1.78411	2.37921	3.09777	4.56433	4.96857	2.83241	1.46978	0.551045	3.18537	4.62629	1.0345	4.22116	3.71565	7.47631
ST3GAL3	1.26628	0.9367	0.924311	1.18979	1.12233	2.1818	1.40327	0.695075	0.21772	1.2247	1.37061	0.426378	1.0669	0.957679	1.41204
ST3GAL4	2.58016	1.17515	1.72576	2.1821	4.20279	4.10013	2.39974	1.41485	0.296088	1.7816	4.57707	0.566759	2.196	1.3731	3.09726
ST3GAL5	1.29622	0.860289	1.35638	0.482122	0.380026	1.48745	1.18594	1.17867	0.784096	0.549478	0.944825	0.242618	0.51508	0.854676	0.770501
ST3GAL5-AS1	0.207375	0.269774	0.240177	0.0213706	0	0.211893	0.426193	0.147438	0.0252559	0	0.0234101	0.0296765	0	0.032515	0
ST3GAL6	1.49179	1.47453	1.86224	1.04943	0.824971	1.06334	1.07091	1.50033	0.737605	1.54719	1.39159	1.10831	1.19302	1.11388	0.700442
ST3GAL6-AS1	0.320904	0.319005	0.348554	0.372165	0.463239	0.717514	0.481061	0.267928	0	0.415495	0.203841	0.0861351	0.0582514	0.21006	0.345762
ST5	5.87311	4.67599	5.04176	22.1521	9.48963	20.8656	5.89697	4.30149	3.01924	4.445	5.65269	4.65285	10.1616	8.21369	9.09145
ST6GAL1	4.08007	2.45085	3.1621	3.33264	3.45214	5.80953	2.90947	2.80487	0.485653	1.91652	4.12278	0.504543	2.35005	1.76134	3.01006
ST6GAL2	0.130218	0.181126	0.107148	0.0260438	0.112862	0.0753164	0.119027	0.0533422	0.0346261	0.237894	0.499261	0.00226037	0.0101909	0.108969	0.189458
ST6GALNAC1	0.69071	0.197212	0.148142	0.685434	0.437112	1.2053	0.20446	0.204615	0.342714	1.03815	1.07814	0.506425	0.352113	0.922545	0.563328
ST6GALNAC2	5.58512	10.9229	11.6511	10.5369	8.00957	11.2057	8.61133	6.10677	21.4639	11.605	16.42	11.0292	10.5835	6.8034	3.18943
ST6GALNAC3	0.229235	0.0513354	0.0747874	0.239561	0.0551675	0.390381	0.106905	0.0975585	0.027525	0.255295	0.302515	0.0970282	0.295802	0.241304	0.324574
ST6GALNAC4	2.23082	1.11441	0.905763	2.87718	3.67783	6.49101	2.00016	1.07034	3.96699	2.18152	5.60828	1.38077	2.63138	3.51208	3.08581
ST6GALNAC5	0.272223	0.0397458	0.0341215	0.0637576	0.0384414	0.179114	0.108314	0.0513182	0.0100466	0.0672981	0.186246	0.0206588	0.066529	0.0301796	0.349482
ST6GALNAC6	7.34089	5.73649	6.31499	8.84878	13.7017	19.2504	8.9252	4.01247	9.79572	9.45492	14.4691	5.69531	8.51782	7.76951	9.85804
ST7	2.32596	1.92787	2.1557	2.85688	1.01999	2.47406	2.62244	2.19986	1.79185	2.52458	3.38787	1.86149	2.87851	2.19414	2.17645
ST7-AS1	1.09469	0.623171	0.630506	0.476359	0.821719	0.610585	0.845063	0.323506	0.233974	0.289931	0.470906	0.158992	0.276621	0.412173	0.574189
ST7-AS2	0.404161	0.259641	0.270665	0.228083	0.134529	0.106519	0.208755	0.333529	0.0234392	0.193243	0.0651783	0.206563	0.0496691	0.301761	0.331672

ST7-OT3	0.0486087	0.0822774	0.135912	0	0.0702132	0.0608163	0.0801822	0.0439035	0	0.124737	0.053019	0	0.0153551	0.101044	0.167502
ST7-OT4	0.56974	0.553512	0.551495	0.423374	0.269872	0.323782	0.844507	0.951124	0.233864	0.431986	0.212674	0.506464	0.229305	0.654725	0.82443
ST7L	2.22196	3.66822	3.8673	1.72974	1.27749	1.81007	2.06472	2.5047	1.14219	1.43665	1.44961	1.30769	0.698181	1.45036	1.21563
ST8SIA1	0.297805	0.326003	0.293668	0.476305	0.455193	0.541643	0.228497	0.32395	0.0145077	0.346864	0.215158	0.102282	0.101451	0.141949	0.143703
ST8SIA2	0	0.00592176	0.0101676	0.046441	0.0890933	0.118606	0.0374211	0.0327684	0.0149685	0.23653	0.337612	0.0615594	0.185028	0.34259	0.3942
ST8SIA3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ST8SIA4	0.487785	0.298706	0.351462	1.33615	0.161317	1.4604	0.201216	0.469861	0.306616	1.81692	3.49218	0.209414	1.1208	0.973698	1.7626
ST8SIA5	0.0163903	0.00789708	0.0135592	0.00844532	0.0254597	0.0837366	0.0187139	0.0145663	0	0.0102857	0.00925128	0	0.00528746	0.0171325	0.0117692
ST8SIA6	0.529504	0.188499	0.251108	0.0903657	0.0681054	0.49107	0.265703	0.254772	0.127332	0.118524	0.114219	0.0627436	0.0935684	0.051118	0.106558
ST8SIA6-AS1	0.0415495	0.0400383	0.0687453	0.0428179	0.129081	0.0707576	0.0474398	0	0	0.104298	0.375233	0.0297298	0	0.108578	0
STAB1	5.83404	2.32023	2.91017	9.0744	16.8019	23.2179	9.16894	5.04151	0.486017	6.20341	11.5827	2.13667	5.78645	6.34899	22.3362
STAB2	0.227775	0.306203	0.290789	0.182567	0.886717	0.0838044	0.195852	0.149946	0.0821938	0.342351	0.761865	0.0563384	0.560622	0.339499	1.06615
STAC	0.0975867	0.0578692	0.111781	0.0928301	0.174907	0.217322	0.282839	0.10007	0.0365691	0.0847947	0.296593	0.0161137	0.106552	0.192242	0.20483
STAC2	9.36817	5.16319	8.287	0.198876	7.82276	16.324	9.12147	9.06924	0.0167672	0.0778616	0.0466251	0.0739556	0.013324	0.0647591	0.286691
STAC3	0.349804	0.525848	0.532464	0.490258	0.543367	1.50118	0.415371	0.360617	0.204491	0.228301	0.821362	0.240283	0.315969	0.380272	0.301418
STAG1	9.17031	7.91944	8.7871	7.55745	3.34718	8.22037	5.75947	7.82334	4.71943	6.15686	7.58078	4.20558	7.78094	5.71063	7.40516
STAG2	7.9524	7.37984	7.70857	8.40459	2.48037	8.14899	4.59791	6.99283	9.45485	9.47132	9.81136	4.95851	9.34916	6.42767	6.67845
STAG3	0.170948	0.211411	0.296965	0.078752	0.151624	0.215673	0.274264	0.172978	0.101091	0.0412446	0.181262	0.0886842	0.0416827	0.091346	0.124851
STAG3L1	0.572411	1.10169	1.04471	0.370449	1.19563	0.770826	0.817049	0.632299	0.290336	0.497992	0.562921	0.473314	0.446993	0.595992	0.623587
STAG3L2	5.1606	7.22683	8.15645	4.25391	9.68403	5.04684	7.50047	6.33529	2.50281	3.04383	4.02446	3.05763	2.97455	5.54234	4.50861
STAG3L3	3.09363	3.51528	2.95401	2.10557	6.55188	2.74848	4.77137	3.68142	0.632717	1.40678	0.910768	1.38635	0.603173	3.39022	2.66624
STAG3L4	2.22813	1.585	1.53895	1.70045	1.69787	1.73614	1.416	1.51315	1.4208	1.54336	2.61019	1.78981	1.41723	1.92254	1.79615
STAG3L5P	4.54458	3.32385	3.01116	1.11053	3.50334	1.05593	6.55256	3.32335	0.735014	0.27988	0.456111	1.70835	0.202473	1.66655	2.05446
STAG3L5P-PVRIG2P-PILRB	5.47159	7.59553	6.54048	5.56166	11.9377	4.48498	5.9822	4.78561	3.72699	2.4238	2.18322	6.51751	1.01915	4.68095	5.64283
STAM	3.41221	2.58579	2.73701	4.86671	1.43322	3.8817	2.63056	3.27026	12.7396	7.40056	6.18169	5.57054	11.0079	5.06188	3.55964
STAM-AS1	0.0439147	0.0507811	0.0435952	0.0362043	0.0682147	0.112178	0.0701965	0.0546388	0.117663	0.0551175	0.0495742	0.0502754	0.0566671	0.0963973	0.0378402

STAM2	3.686	3.77101	3.72433	3.78598	0.914336	3.63979	2.72073	4.0659	4.60285	4.38684	4.91717	2.90757	3.04083	2.9682	3.28224
STAMB	2.97442	2.71119	2.8036	3.05924	1.61215	2.72028	2.51232	2.7001	3.0011	2.5179	2.77522	2.37305	3.11242	2.43487	1.8194
STAMBPL1	1.061	0.958511	1.17945	1.4123	0.944223	1.12928	0.719278	0.775951	0.565328	0.818418	1.67184	0.395403	1.62581	0.9993	3.14269
STAP1	0.0699538	0.0449397	0.0289354	0.108134	0.0543312	0.0992746	0.0399355	0.124338	0.0425979	0.073166	0.276392	0.0250269	0.112835	0.0487479	0
STAP2	8.80851	15.3949	14.026	19.8771	25.8214	21.5781	15.7994	7.96208	39.9214	17.9347	25.8705	18.294	21.9268	12.2923	4.34646
STAR	0.601118	1.07576	1.15797	0.592921	0.400176	0.4241	0.822698	0.78588	0.324213	0.355676	0.465317	0.325659	0.487568	0.390469	0.197322
STARD10	6.35619	8.92391	9.0431	15.1039	23.5442	11.4786	10.4606	5.1626	21.5929	21.2592	27.1112	16.2846	25.5748	11.8826	4.46384
STARD13	1.68055	1.00696	1.2324	1.51617	1.6208	3.51191	1.56035	0.940985	0.521053	2.29471	3.48159	0.790645	1.79126	3.36374	5.83478
STARD13-AS	0.753495	0.363045	0.563978	0.295809	0.390146	0.15276	0.409674	0.510204	0	0.315238	0.0810097	0.256736	0.11575	0.637596	0.927526
STARD3	4.80417	4.95062	4.87549	6.66815	13.0438	10.0225	5.27179	3.40986	6.41528	5.47884	7.48804	4.99632	7.42136	4.75413	4.71637
STARD3NL	2.15407	1.31395	1.27286	3.53206	1.03842	4.39115	1.12674	0.924175	0.878782	4.48823	9.76269	1.06296	4.05985	2.36254	3.7488
STARD4	0.601135	0.637924	0.594007	2.05653	0.232096	1.3995	0.544971	0.704522	0.697564	2.58901	1.94752	0.843417	2.53057	2.12367	0.876209
STARD4-AS1	0.828535	0.912671	0.702554	0.717233	0.624057	0.358557	0.659612	0.749673	0.201566	0.406833	0.713366	0.842288	0.192259	1.22115	2.31486
STARD5	3.58753	8.60871	10.4457	14.8607	10.599	5.83991	10.9029	4.95437	19.3828	5.5401	6.03511	8.49368	6.52414	4.23713	1.91942
STARD6	0	0	0	0	0	0	0	0	0.0297631	0	0	0.0174862	0.0630698	0	0
STARD7	14.7713	11.7361	12.7851	19.6286	11.9998	21.2472	13.2	11.2641	13.3506	11.6371	20.508	8.94689	17.233	12.5236	10.5
STARD7-AS1	1.23333	1.07599	1.14543	0.87438	1.21752	1.60104	1.53274	1.14685	0.720617	0.552956	0.847598	0.642683	0.482466	0.878838	0.809948
STARD8	1.30301	0.438815	0.499806	1.25451	1.59681	3.8583	1.17371	0.6932	0.334955	1.22231	1.4404	0.422616	1.46322	1.35259	3.04975
STARD9	3.81213	2.39914	2.88953	0.846305	2.53979	1.75766	4.48821	2.07207	0.209801	0.710143	0.504608	0.632244	0.531772	1.82706	4.44459
STAT1	8.10992	9.60806	8.82289	35.6365	7.81267	41.5302	6.60744	11.0131	7.12793	9.03794	11.7148	5.44514	22.7745	7.34765	16.5928
STAT2	7.0091	8.94779	7.64987	18.3513	15.5016	26.9689	8.79832	8.26321	5.59374	6.42223	9.032	5.82665	9.50383	8.24111	17.5676
STAT3	25.6545	23.5768	27.3486	85.3764	30.5817	75.2254	23.7517	28.9296	29.682	35.9243	29.717	26.3371	64.1386	28.5302	31.4787
STAT4	0.544664	0.294876	0.396671	1.31254	0.151291	1.01433	0.342169	0.386184	0.0456226	0.967125	1.87429	0.0911334	0.435047	0.556028	3.41078
STAT5A	4.08015	3.314	4.42632	4.94616	4.29489	8.94612	3.53755	2.97118	0.975661	2.15907	2.60601	0.957558	5.22616	2.54404	4.82707
STAT5B	7.55802	6.52946	7.0252	7.88912	7.85246	12.364	7.29864	5.47307	4.70098	6.06901	5.87866	3.63899	7.28658	6.51757	8.63234
STAT6	16.2873	22.2364	23.6499	26.8733	35.662	39.8174	23.1856	14.5376	29.8635	16.637	13.2434	18.6592	25.3169	19.4996	16.1858

STATH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.27697
STAU1	10.2224	9.59699	10.5137	16.5654	10.0941	22.7059	9.7812	9.45651	18.8169	14.5609	15.652	11.1171	22.2062	11.5591	10.8916
STAU2	2.72871	2.44433	2.61739	3.14735	0.943947	3.82235	1.75474	3.25081	4.9085	3.45926	3.99651	3.10823	2.99495	2.35847	2.53369
STAU2-AS1	0.179056	0.226464	0.18516	0.0691961	0.121685	0.0857611	0.140553	0.198913	0.0545177	0.0702295	0	0.0800748	0	0.169619	0.128574
STBD1	0.411619	0.429324	0.396403	1.20862	0.700261	2.09992	0.774095	0.346058	0.94557	1.96854	2.68063	0.561145	1.65341	1.06565	0.668391
STC1	0.364128	0.0862833	0.118518	3.32184	0.148359	21.3986	0.470275	0.0901856	0.0218099	2.45741	2.57415	0.576613	4.22881	2.95136	3.43765
STC2	0.727687	0.129392	0.182748	0.486544	0.181663	5.3405	0.153312	0.311806	0.32179	0.532771	0.4743	0.257241	0.628795	0.638396	0.746465
STEAP1	1.22411	0.390656	0.463021	6.85195	0.61591	7.58144	0.563497	0.940782	0.0654271	6.62499	15.2299	0.616221	7.54998	3.6423	7.93944
STEAP1B	0.267424	0.0724926	0.115938	1.4487	0.159447	1.75692	0.0780851	0.0843878	0.998693	3.0649	2.57224	0.353698	1.35114	0.476251	0.694449
STEAP2	1.1818	0.876449	1.02293	2.62019	0.383917	2.65948	0.908349	1.06497	0.0632054	1.65284	3.4107	0.245965	1.59353	1.77705	5.66691
STEAP2-AS1	0.221465	0.0711367	0.152676	0	0.0573352	0.031429	0.0421435	0.164016	0	0.0463268	0	0	0.0238146	0.0192912	0
STEAP3	3.10515	1.46916	2.01387	4.43158	2.31513	5.52537	2.06966	1.35911	0.53692	2.2209	2.84865	1.16638	3.79489	1.8005	1.57795
STEAP3-AS1	0.258577	0.176834	0.100081	0.149905	0.165227	0.145129	0.180307	0.179523	0.0584866	0.112946	0.0907411	0.175588	0.037045	0.130206	0.10707
STEAP4	10.2756	4.89243	5.08786	23.8814	5.93647	43.4057	5.68705	10.3647	13.0323	20.7813	14.303	22.7326	25.0505	9.04525	25.0435
STH	0.0260034	0.0125288	0.172095	0.0267973	0.0403923	0	0.118759	0.0924387	0	0	0	0.0186061	0	0.0135905	0
STIL	0.66844	0.441506	0.446779	1.80195	0.178783	1.24764	0.293151	0.499634	0.479824	1.08343	1.58912	0.649329	1.80792	1.21002	0.692954
STIM1	11.4004	11.1942	11.9587	19.0881	19.1078	18.6749	14.2559	8.52094	16.727	20.2861	11.7992	18.452	33.3188	13.4003	10.1836
STIM2	3.34838	3.03745	2.78824	4.54621	2.51493	3.80525	2.53864	2.8503	5.56082	3.50491	3.96913	2.63261	4.55693	3.67524	2.31882
STIMATE	4.27015	4.20706	3.96004	3.08803	5.71083	4.77905	5.57423	3.24457	3.87166	2.74787	2.99057	2.66756	3.4256	2.93593	3.16193
STIP1	6.43131	7.33024	7.40368	15.8093	8.35596	16.5912	7.12466	5.29773	15.5389	13.083	13.5487	10.6463	24.5151	12.5163	7.17601
STK10	2.88375	2.89743	3.70251	4.10899	5.22604	5.84403	4.93886	2.63801	10.1148	3.47945	3.46808	2.23122	4.6837	2.76717	4.66601
STK11	5.84934	6.25609	6.30004	13.1842	20.707	16.8788	5.95266	3.46561	12.9485	8.53851	6.98597	7.67822	11.5589	7.43235	5.03212
STK11IP	1.85195	2.25537	2.28225	3.50768	6.49743	4.80144	2.84364	1.62884	3.60098	2.42859	1.45623	2.65482	3.61346	2.63673	3.1182
STK16	1.40817	1.49216	1.50565	2.19263	2.08879	2.96443	1.55465	1.12481	2.20417	2.14429	2.82426	1.42897	1.90374	1.4862	1.21961
STK17A	3.01866	2.25679	2.65789	4.95426	1.09685	3.11648	1.84088	2.65659	12.6488	14.3721	10.15	5.94507	18.679	10.2596	4.97742
STK17B	4.29371	3.02142	3.67615	4.87148	1.5309	4.441	2.85799	5.75521	2.79891	6.82523	9.44205	1.81914	6.87081	4.03359	7.12073

STK19	0.401958	0.533	0.565818	0.587326	0.909724	0.800415	0.633202	0.296225	0.841279	0.647941	0.900872	0.54692	0.699302	0.519219	0.378945
STK24	16.6542	16.1955	17.7206	29.4376	12.5671	24.0256	19.1688	17.8575	46.1463	21.2812	22.3065	19.526	34.3145	18.4492	10.7988
STK24-AS1	0.320824	0.400497	0.373984	0.330618	0.362436	0.384931	0.366306	0.194401	0.106562	0.146424	0.279859	0.250427	0.0940881	0.198163	0.335086
STK25	6.33843	8.49057	7.58611	13.6734	16.4578	12.9823	7.41294	4.57824	9.73387	11.1015	13.2256	9.29848	16.5037	12.3766	9.36966
STK26	1.44297	1.59105	1.50938	1.80159	0.775881	1.589	1.50496	1.20841	6.22685	2.49024	2.25545	2.49185	6.13208	2.91512	1.21548
STK3	2.72475	2.68244	2.93664	4.48697	1.57237	3.80778	1.89987	2.63103	3.03134	4.44668	4.32817	2.38122	5.17107	3.82288	3.64424
STK31	0.0800372	0.14832	0.122238	0.0253786	0.019127	0.0471812	0.15465	0.0820735	0.367411	0.0077273	0	0.00881057	0	0	0.0176836
STK32A	0.714911	0.451572	0.656337	0.0898459	0.440138	0.415723	0.960601	0.623731	0.0955625	0.0547126	0.0836571	0.0155957	0.0168752	0.0592362	0.225374
STK32A-AS1	0.0393255	0.0442111	0.0542214	0.00675434	0	0.0502277	0.0823177	0.0232995	0.023947	0	0.0147979	0	0	0	0
STK32B	0.735207	0.455884	0.518306	0.757654	0.794456	1.25204	1.07302	0.437488	0.0778609	0.545632	0.80109	0.224147	0.804336	0.491174	1.43228
STK32C	0.395561	0.527379	0.632059	0.859947	1.25414	1.67946	0.643431	0.293754	0.303568	0.625689	0.831909	0.360579	1.03135	0.642869	0.91826
STK33	0.045078	0.0369228	0	0.00929084	0.00700217	0.00767667	0.0102937	0.0200308	0	0.022631	0.0457987	0	0.00581682	0.00235597	0.00647377
STK35	3.5377	5.04398	5.74277	6.82639	6.21302	7.09428	5.27161	3.91718	6.62984	5.50491	4.71492	5.32868	8.72243	5.20915	3.66528
STK36	1.08798	1.29017	1.0242	1.52715	1.88669	2.18822	1.07623	0.950236	0.765324	0.735737	0.989968	1.02679	0.44175	1.53187	2.12821
STK38	6.25264	7.09688	7.26067	7.98044	5.64334	7.65222	5.44342	4.73549	12.6995	7.20773	7.19519	6.51715	8.88675	7.39193	7.45088
STK38L	3.75575	3.39597	4.15522	4.68006	1.05816	5.03478	2.18299	3.2369	7.2234	6.19014	8.00277	2.10893	6.05065	5.1672	5.96767
STK39	6.63048	3.52162	4.07589	6.65079	3.78817	9.39556	3.60767	5.52197	10.4771	10.4601	7.89993	8.06225	15.6204	8.06125	3.51245
STK4	3.9065	3.71019	4.04833	4.82974	2.61514	3.93939	3.99691	3.94874	8.75985	3.78576	4.22375	3.82003	4.31458	3.43344	3.60977
STK4-AS1	0.0437487	0.0210788	0.018096	0.0901686	0	0.1111754	0.0124877	0.0583203	0.133202	0.137273	0.160507	0.0391292	0.0493962	0.0400137	0.0157072
STK40	5.05019	7.17987	9.3548	8.70641	8.23082	15.2091	8.9568	6.50329	11.5654	7.7503	6.97081	7.06181	13.1939	8.234	6.74252
STKLD1	0.286438	0.352067	0.20311	0.138555	0.290572	0.233943	0.573999	0.213001	0.0996713	0.0586954	0.0395943	0.117117	0.0339444	0.128319	0.159508
STMN1	3.82934	2.22271	1.83908	8.44865	2.04597	7.62085	2.03205	2.33541	2.82482	5.35458	12.0041	2.69862	5.06155	5.58439	3.22029
STMN2	3.12256	0.986872	1.12963	0.506998	0.951365	6.06139	0.664899	1.48123	0.0244561	0.579678	0.974752	0.00718415	0.297988	0.325347	3.44619
STMN3	4.1593	2.9387	3.56701	5.57825	7.64515	8.56188	3.50127	2.92855	0.629328	3.13646	4.72404	1.03648	2.33378	3.72342	4.7689
STMN4	0	0.00931163	0.00799397	0	0	0.00822798	0.011033	0.0429387	0.0353056	0	0	0	0	0	0
STMND1	0	0.0168694	0.0289645	0.0360811	0.027193	0.0596248	0	0	0.0213204	0	0	0	0	0	0

STMP1	5.91084	4.5308	3.79386	15.4192	3.68414	7.32861	4.37932	6.35637	8.12396	9.47687	12.9791	12.1312	9.97046	7.31642	4.65681
STN1	2.36394	2.03365	1.64839	1.83996	1.51984	3.75512	1.7654	1.60263	2.67461	2.09303	2.9548	1.83199	2.44908	1.46319	1.90772
STOM	24.9716	14.7762	18.2828	55.0295	10.035	74.8458	16.6101	20.4563	24.6623	22.466	36.8026	16.027	42.2249	20.775	38.9981
STOML1	1.08951	1.22049	1.39705	2.33911	2.94758	3.44797	1.03664	0.782683	0.641337	1.11675	1.36316	1.00046	1.68122	1.22427	0.873611
STOML2	11.2562	10.0364	9.71327	25.7328	14.3696	32.3751	12.5195	6.97087	15.6981	17.9843	29.9962	11.0628	24.8549	18.0125	9.8246
STOML3	0.0579155	0.00558092	0	0.0119367	0	0	0	0.0205882	0.0141069	0	0	0.00828802	0	0.0302692	0
STON1	1.84628	1.18144	1.03315	3.45181	1.31495	4.00041	1.51739	1.12133	0.450081	2.2676	3.45873	1.03676	1.50966	1.75785	3.60595
STON1-GTF2A1L	0.0818719	0.429531	0.250336	0.408219	0.12142	0.746228	0.246377	0.0293341	0.00033953 3	0.304037	0.368327	0.181661	0.438998	0.35232	0.74688
STON2	5.74236	6.37191	4.69318	14.7876	7.5668	8.59911	4.66053	5.63466	5.18299	12.4485	9.14597	8.58424	19.7445	11.8382	6.09902
STOX1	0.399351	0.142758	0.0905858	0.199134	0.130069	0.515548	0.198566	0.080141	0.149047	0.11318	0.247223	0.142873	0.062337	0.138023	0.0370012
STOX2	1.91168	1.35558	1.30969	1.05205	1.49331	1.02886	1.56842	1.82239	0.918396	1.09313	0.789047	1.24479	0.97165	0.905788	0.519318
STPG1	0.675986	1.06859	0.873395	1.98029	1.27421	2.00487	0.997295	0.769514	1.87781	1.48714	1.43189	1.4565	1.93569	1.43305	0.818092
STPG2	0.0419765	0.208991	0.289383	0	0.065204	0.0953132	0.175734	0.161656	0.0852045	0	0.110568	0.0400471	0	0.0292517	0
STPG2-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STPG3	0.101648	0.239315	0.282811	0	0.197818	0.182697	0.301658	0.139732	0	0.0360129	0	0.0706476	0	0.0219314	0
STPG3-AS1	0.2408	0.308728	0.362096	0.0280418	0.324582	0.24108	0.236446	0.130587	0.0662801	0.0427513	0	0.144572	0	0.119544	0
STPG4	0.0485383	0.0187092	0.0240926	0.010004	0.0603174	0.0413297	0.0554194	0.0172547	0	0.0243682	0	0	0.00626333	0.0456628	0.111531
STRA6	0.0216695	0.0250577	0.0107559	0.0535946	0.107713	0.0295221	0.0296899	0.00770323	0.0369475	0.152306	0.273977	0.0651215	0.0559243	0.122315	0.161825
STRA8	0	0.0449171	0.0192805	0	0.0362026	0	0	0	0	0	0	0	0	0	0
STRADA	3.37685	3.30019	3.19643	4.01469	4.5758	5.33604	2.57039	2.54701	1.73061	2.7053	3.08208	2.55332	3.0595	2.89976	3.23306
STRADB	1.7741	1.37823	1.44292	1.59203	0.557351	2.97033	1.11522	1.2578	0.558372	1.4636	2.07025	0.570525	1.0932	1.25019	2.14705
STRAP	15.7567	11.8589	12.1004	28.6195	10.8319	28.9849	13.0109	12.74	25.4041	25.4179	28.8685	16.3335	39.0264	22.9848	14.7601
STRBP	1.48519	1.73664	1.49815	1.90954	0.718222	1.53604	1.11983	1.56273	1.73627	1.42003	1.15068	1.17548	1.8645	1.39318	0.699236
STRC	0.457406	0.640936	0.649179	0.0864899	0.430216	0.489524	0.589329	0.566868	0.0357751	0.0579358	0.0189488	0.108094	0.0487347	0.103081	0.0542388
STRCP1	0.0170955	0.037066	0.0424278	0.00440436	0.0199164	0.0109175	0.0634371	0.0189913	0	0.00536416	0.00482468	0.0152904	0	0.00446743	0

STRIP1	4.49075	5.17547	4.89986	7.66243	7.77614	8.87857	5.90684	3.88392	9.82188	8.87879	6.05166	7.64758	10.1302	7.0446	5.38242
STRIP2	0.324701	0.209246	0.127592	1.30081	0.353061	0.476925	0.250245	0.17314	2.49627	1.29901	0.861385	0.667955	1.34601	0.963064	0.885991
STRN	4.23333	4.05091	4.33523	4.50286	1.58217	3.54596	3.45516	4.88317	9.24473	6.10376	5.39362	4.21557	9.76121	4.58277	2.8384
STRN3	5.14166	4.92566	5.80445	6.39453	3.28667	6.79115	3.16061	4.36976	9.86029	8.27652	6.57781	6.0716	9.46054	8.05041	5.04607
STRN4	10.036	9.89327	10.0558	17.4671	19.2065	25.194	10.8823	7.52869	16.4549	11.9175	11.6791	11.5502	18.2853	11.8168	10.2712
STS	1.62504	1.17741	1.16933	1.14382	1.79555	2.73086	2.96168	1.37062	8.16281	0.858169	1.88639	0.914852	1.18299	0.661827	1.77014
STT3A	6.35174	5.85192	6.39073	12.135	3.87492	11.7347	6.48656	5.04895	4.83478	9.62857	14.7462	5.48139	13.0107	9.42944	10.2775
STT3A-AS1	0.0547117	0.105444	0	0	0	0	0.249872	0.0972464	0.0666327	0	0	0	0	0.171568	0
STT3B	13.033	10.8385	10.3387	17.3155	7.72546	13.9857	8.47408	11.2789	29.9189	18.8225	22.7282	11.5518	21.412	15.6547	12.1972
STUB1	11.1126	12.0626	12.0325	15.5089	23.564	22.3729	12.0224	7.59598	30.5181	16.4403	30.1382	13.2456	17.7056	12.3103	7.36915
STUM	0.898089	0.612166	0.887082	0.0959555	0.485232	1.72891	1.27576	0.654	0.0548714	0.0376988	0.0474703	0.0171935	0.0523242	0.0612235	0.578023
STX10	6.34648	6.03561	5.86874	10.9232	16.3101	12.9157	6.18394	3.44024	9.87405	12.1984	17.7234	8.02415	12.7773	8.39659	6.06032
STX11	1.11426	1.15072	1.35661	2.27923	1.43692	1.90472	0.974577	1.10611	2.71922	3.50948	3.15653	2.62954	5.87885	1.9163	1.77534
STX12	6.39647	7.25391	8.55612	8.72961	3.21079	9.5362	5.99882	6.66661	28.1307	9.31124	13.6016	7.5725	10.2956	7.98645	7.77206
STX16	9.35983	12.057	11.1096	8.62715	11.6306	9.69287	8.18642	9.39199	7.9855	7.09225	5.47502	9.10008	7.06095	8.53571	7.52707
STX16-NPEPL1	1.11761	1.34998	1.35391	0.570729	3.69222	0.389542	1.30242	0.684259	0.213766	0.681765	0.00125786	0.242053	0.237094	0.224185	0.374046
STX17	4.99847	6.18226	6.26638	5.27881	2.42506	4.99496	4.78906	5.77608	8.10725	4.41086	4.27737	4.75354	4.90881	4.01143	3.52186
STX17-AS1	0.461184	0.949423	1.10989	0.648087	0.195376	0.571189	0.430826	1.00602	1.22546	0.263106	0.94658	0.719977	0.108201	0.372508	0.180632
STX18	2.86173	3.13458	3.34383	4.01608	3.27337	4.88381	2.44864	2.32143	2.69138	3.58585	5.4679	2.36182	3.64486	3.04095	2.91923
STX18-AS1	0.719983	0.581736	0.58342	0.21222	0.826915	0.404592	0.597152	0.679453	0.0909948	0.159383	0.163816	0.213843	0.0249593	0.161079	0.362139
STX18-IT1	0.384294	0.123439	0.0353239	0.132009	0.0663268	0	0.0975055	0.0379476	0.104006	0	0	0.0611051	0	0.0223165	0.551895
STX19	0.660658	1.29255	1.35808	1.05219	0.217685	0.613682	0.160007	0.907395	1.29225	0.728685	0.949201	0.644616	0.632921	0.387142	0.0575023
STX1A	0.25049	0.430285	0.468503	0.50505	0.67669	0.695506	0.397914	0.367797	0.145902	1.48994	0.663898	0.787062	1.51075	1.44009	1.51714
STX1B	0.311941	1.07833	0.909353	0.346977	1.82284	0.712519	0.672754	0.638063	0.319606	0.28587	0.296247	0.510176	0.108618	0.30019	0.575983
STX2	1.24598	0.844486	1.13087	1.58506	0.935308	1.91152	1.35455	0.916589	0.406593	2.1774	3.25729	0.759296	2.00014	2.19354	3.71576
STX3	2.45548	2.36962	2.41277	2.31314	2.28743	2.63864	2.06087	2.15682	3.58249	3.70992	3.1835	2.56769	3.71741	2.88796	1.94542

STX4	5.50405	7.82999	8.67484	9.70605	13.5431	15.3729	4.32049	4.19576	10.2139	8.36718	7.28462	7.21452	11.2582	6.8631	8.02376
STX5	7.47944	8.64898	8.51933	11.4407	13.4426	13.832	10.1208	5.96592	15.8696	11.4978	20.0547	7.89055	13.2888	8.0637	8.46887
STX6	4.86403	5.10491	4.51079	8.41702	6.26561	8.68741	3.98549	5.10945	7.3577	7.8516	6.96403	6.27502	11.8318	6.46511	4.52804
STX7	5.146	4.22799	4.36109	5.43732	2.12486	6.86581	4.36151	5.14396	5.51362	6.44707	7.34813	4.09826	7.53787	3.70358	5.19192
STX8	4.90117	4.83811	4.39082	8.84504	4.30795	6.39224	5.18653	3.95204	4.48408	6.84162	12.604	3.57534	5.56858	3.67366	5.56228
STXBP1	2.89361	2.96261	3.19014	3.00598	4.17761	8.00758	4.10315	2.48347	4.63957	5.18407	3.44436	3.89882	7.30977	4.55227	5.06044
STXBP2	4.6426	6.48022	6.98661	14.8698	12.0857	12.2069	7.28521	4.39551	12.8142	11.039	10.6663	9.27291	16.535	7.05366	4.62361
STXBP3	6.14466	5.25152	6.03641	5.91764	1.07947	5.36446	2.99632	5.96469	10.223	6.18581	6.92623	4.6322	8.94963	4.25328	5.39713
STXBP4	1.17132	0.774609	0.940495	0.978283	0.332973	1.05277	0.576905	0.745006	0.354302	1.0041	1.21424	0.451921	0.614954	0.756223	1.13793
STXBP5	5.64409	6.46223	6.57978	5.78221	3.31491	4.59937	5.10883	5.67817	6.6021	5.61102	5.32375	5.33852	6.41751	4.40094	4.14374
STXBP5-AS1	0.348114	0.269253	0.261628	1.06112	0.861745	0.271058	0.239796	0.322508	1.38913	0.52434	0.929506	0.652682	0.309237	0.257105	0.325007
STXBP5L	0.0694923	0.0162339	0.0174209	0.00651035	0	0.0573787	0.0384699	0.0374297	0.00512932	0.0105721	0.00237722	0.00150678	0.00407601	0.0176096	0.00604847
STXBP6	0.586471	0.789026	1.02632	0.330082	0.189206	0.341878	0.82414	0.813884	1.21423	0.107581	0.371768	0.203362	0.21248	0.0730921	0.213801
STYK1	0.409543	0.368587	0.460261	0.987429	0.552141	0.53953	0.123518	0.473845	1.44928	0.387939	0.802523	0.375975	0.74285	0.432129	0.199751
STYX	2.81861	2.64493	2.85528	3.52092	1.01171	3.34819	2.20065	3.7081	3.20813	3.87206	5.19502	2.54692	5.68037	3.1669	2.85422
STYXL1	1.67987	2.62461	2.09131	6.90781	5.57351	5.11051	3.05394	2.31911	10.8651	7.08262	7.23564	4.53956	9.29158	2.87259	1.38192
SUB1	7.62196	4.40685	5.10439	19.776	2.27565	10.384	3.18715	6.94384	7.22523	16.1593	24.4346	6.95054	18.4188	12.2508	7.72387
SUCLA2	5.13339	4.69421	4.03437	7.34003	2.49185	7.56732	3.00384	4.02038	11.019	8.85904	10.9138	5.5938	10.5847	6.69057	4.23902
SUCLG1	12.1036	10.0486	8.92233	17.7276	12.5834	15.8919	9.88406	7.77814	47.2791	21.3516	32.2401	17.9006	17.6168	12.5024	8.25776
SUCLG2	8.33428	5.30947	6.02476	7.89906	3.86085	12.9426	5.35824	7.1288	5.12273	5.7374	8.69214	3.08429	6.25753	4.65106	6.40264
SUCLG2-AS1	0.0881304	0.13588	0.0874892	0.0999031	0.0821382	0.14258	0.0603747	0.078323	0.0321999	0.0331838	0.139284	0.0126119	0.0284307	0.0644851	0.0632832
SUCNR1	0.232482	0.304037	0.55866	1.11233	0.0429911	0.221522	0.13904	0.418141	0.0606723	0.319578	0.4624	0.0396065	0.16071	0.0810036	0.103342
SUCO	3.91717	3.96639	4.46905	3.84152	1.69477	3.28379	2.30544	4.2994	6.22856	5.67241	5.03354	3.96841	7.28132	3.90056	3.49829
SUDS3	6.92138	7.0753	7.12289	7.63711	5.77103	5.78926	6.33773	6.00759	7.87505	6.07601	5.75228	5.9156	7.38378	5.92243	4.40761
SUFU	3.12557	4.30508	4.49094	4.54151	7.59193	6.65717	4.09754	3.4241	3.13173	2.21139	3.8167	3.37013	3.13941	2.82817	3.13339
SUGCT	0.843757	0.309741	0.409946	0.703894	0.353666	1.18601	0.367	0.321369	0.309912	1.07581	2.63071	0.479151	0.846826	0.83297	1.03864

SUGP1	2.90258	3.52295	3.556	5.74262	5.42077	8.06541	3.95917	2.85525	4.04772	3.05903	3.41421	2.96469	5.52526	3.5204	2.9752
SUGP2	4.75209	5.08055	4.90428	5.03871	7.35236	6.02902	5.7036	4.4019	2.16267	4.10737	2.04295	5.4655	3.18814	6.47592	7.23359
SUGT1	4.79266	4.60707	5.02146	7.93374	2.09324	6.3957	3.18426	4.47802	5.5087	8.47139	10.6619	6.51477	12.1041	6.47951	4.4764
SUGT1P1	0.42133	0.899014	0.398347	0.465207	0.607723	0.691888	0.377976	0.508173	0.256566	0.264406	0.305762	0.559878	0.388343	0.408953	0.648303
SUGT1P3	0.543185	0.349542	0.540939	0.136413	0.364698	0.216735	0.327466	0.625098	0.107476	0.129347	0.249053	0.214965	0	0.126836	0.475258
SUGT1P4-STRA6LP	0.635901	0.435587	0.417279	0.0400701	0.3346	0.391732	0.45479	0.456497	0.016821	0.0502365	0.122907	0.0215804	0.0385717	0.102434	0.477455
SUGT1P4-STRA6LP-CCDC180	0.705514	0.407212	0.411999	0.141801	0.442	0.477141	0.578314	0.281957	0.0164512	0.0430144	0.0885826	0.0977198	0.0560426	0.0881509	0.549706
SULF1	3.21329	1.09702	0.750389	2.10036	2.4643	6.42592	2.46546	1.10312	0.478556	12.0575	20.334	1.13777	7.11038	6.63892	14.1343
SULF2	14.3608	14.423	8.98559	29.0026	25.9261	35.4535	7.49799	11.8436	14.0582	27.9443	29.3022	24.2917	28.1574	22.9095	44.8562
SULT1A1	1.0307	0.685929	0.819455	0.392777	1.02608	2.17318	0.660352	0.713764	0.220086	0.66612	1.43917	0.206836	0.682155	1.88267	0.777971
SULT1A2	0.120977	0.0627557	0.0815381	0.0346094	0.0254175	0.028681	0.165189	0.0738398	0	0.0238388	0.0207203	0.0114585	0.060619	0.024857	0.0663823
SULT1A3	1.45749	0.521806	0.558419	0.637436	0.00470101	1.62713	0.922891	0.741504	0.309126	0.602266	0.946743	0.702163	0.255538	0.495177	1.68532
SULT1A4	1.45749	0.521806	0.558419	0.637436	0.00470101	1.62713	0.922891	0.741504	0.309126	0.602266	0.946743	0.702163	0.255538	0.495177	1.68532
SULT1B1	0	0	0.0292522	0.309735	0	0.120434	0	0	0	0.332852	0.419128	0	0.0798491	0.0646822	0.152344
SULT1C2	0.0960957	0.0655922	0.0728724	0.0247574	0	0.0818242	0.100576	0.0427009	0	0.0100508	0.02712	0	0	0.00837064	0.0230009
SULT1C2P1	0.0740973	0.0178506	0.0306492	0	0.0383662	0.0105155	0.0564013	0.0219505	0	0	0	0.00883643	0	0.0258177	0.0886776
SULT1C3	0	0	0.0126457	0	0	0	0	0	0	0.115113	0	0	0.0591748	0.00798915	0.065858
SULT1C4	0.316594	0.171607	0.248814	0.32626	0.159829	0.370667	0.0632585	0.0633066	0.0578365	0.158943	0.375265	0.101939	0.173625	0.219242	0.284168
SULT1E1	2.58734	1.48467	0.849719	0.214378	0.222158	0.110708	0.207829	0.982162	0.20585	0	0.0293546	0.0651215	0.00838864	0.0135905	0.0373442
SULT2A1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SULT2B1	11.9422	17.0478	18.0011	51.8225	35.3345	17.5744	49.9898	16.586	114.787	68.0781	84.1577	53.521	116.691	40.1623	14.1225
SULT4A1	0	0.022618	0.00776696	0.0870776	0.0145838	0.303784	0.032159	0.0500632	0.0114343	0.141405	0.211973	0.0335892	0.0242301	0.0343485	0
SULT6B1	0	0	0	0	0	0	0.0282912	0	0	0	0	0	0	0	0
SUMF1	6.99327	6.20225	6.8662	9.53547	6.68742	10.5689	5.93043	5.1205	8.79089	9.46274	16.4419	7.11117	8.53344	5.59163	6.39812
SUMF2	14.5434	12.9155	11.3904	29.7176	25.7845	25.6224	13.761	8.91816	21.2028	15.8163	26.5597	12.1519	15.6379	13.0871	14.5329
SUMO1	11.3936	8.96526	8.96676	17.5486	5.15259	17.3151	6.05647	10.8176	11.3779	17.2537	28.5885	8.24943	14.8019	10.8778	11.4932

SUMO1P1	0.0191423	0	0	0	0	0	0	0	0	0.21623	0.0432186	0	0.024701	0	0.0549815
SUMO1P3	0.657096	0.769955	0.886424	0.265599	0.242487	0.363936	0.70127	1.29394	0.153955	0.360418	0.217928	0.690631	0.0280598	0.799666	1.70757
SUMO2	31.9572	30.3561	32.7417	55.8653	17.9072	52.5555	27.589	29.5973	54.1238	49.2384	93.866	37.8879	60.1892	36.978	32.5816
SUMO3	15.8064	11.3769	11.4415	23.4769	11.5651	29.9236	14.0853	13.4796	13.1465	17.026	28.628	11.7234	24.6564	13.5436	15.7963
SUMO4	1.07642	0.826576	0.834836	0.346651	0.156755	0.572849	0.49929	0.866949	0.204837	0.591071	0.683519	0.48138	0.217032	1.09001	0.676321
SUN1	14.7177	16.9427	19.0681	11.0597	11.9107	13.5119	15.9171	12.5397	8.42842	12.4816	8.08801	9.60411	15.658	10.89	9.8457
SUN2	14.775	13.5201	16.6327	13.0012	27.4697	23.7351	20.2034	9.39359	25.4451	13.7637	8.82346	12.2163	24.1644	11.6586	10.1786
SUN3	0	0	0	0	0	0.0256923	0	0.0268157	0	0.0189354	0.017031	0.010795	0	0	0
SUN5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUOX	1.88942	1.59425	1.78858	2.0246	3.48978	3.72189	1.91043	1.77941	0.904414	1.52196	2.1117	1.29812	1.30395	1.64582	1.56597
SUPT16H	12.5844	9.75565	9.94474	17.0165	6.99949	20.072	7.10243	9.12018	8.24989	9.40738	11.0047	6.90096	16.9337	10.3318	8.71354
SUPT20H	3.37606	4.04343	3.76152	5.50922	1.30632	4.78458	2.40718	3.47231	2.25809	3.8694	5.50486	2.62507	3.71595	3.72016	3.50295
SUPT20HL1	0.01731	0.0064909	0.0074344	0.0123304	0.0186544	0.0714978	0.00512093	0.0160616	0	0.00562925	0.0303786	0.0032092	0.00315363	0.0023441	0.0687112
SUPT20HL2	0.0229712	0.0129104	0.00737995	0.00613507	0.0369446	0.0581339	0.0102043	0.0316535	0	0.00560859	1.99E-11	0.00639485	0.00262422	0.0116775	0.0342212
SUPT3H	0.573687	0.383207	0.319992	0.537455	0.3308	0.377467	0.213377	0.432596	0.174672	0.403657	0.397404	0.25811	0.294429	0.329363	0.418185
SUPT4H1	8.95291	7.38842	7.76923	12.2208	6.73996	14.5647	8.47983	6.49133	15.2901	12.5297	24.0077	7.61889	14.7639	7.89743	5.4873
SUPT5H	10.686	11.4418	12.0873	17.3877	20.01	21.9369	11.2036	8.60883	12.752	11.6773	6.09914	13.0915	24.3156	13.0055	11.2907
SUPT6H	11.9301	11.8453	12.3695	12.8872	13.1539	20.3334	12.1907	10.0752	11.6928	8.07948	5.51126	9.72024	13.7493	9.4841	10.3463
SUPT7L	2.89076	2.52671	2.66	3.92609	3.20726	3.41826	2.40444	2.49482	2.32259	2.66971	3.67442	2.71969	3.83679	3.1246	3.98638
SUPV3L1	3.48651	2.72322	3.05721	4.24777	1.81824	4.5634	2.54884	2.78643	2.46421	2.00432	2.51063	2.29726	3.3823	2.68743	1.50092
SURF1	8.27645	6.81013	7.91154	9.07794	9.5129	15.7006	7.77772	5.30459	8.7016	6.68386	15.3297	4.57251	5.41151	5.87963	4.90737
SURF2	4.02607	4.42067	4.62213	6.60452	7.65781	11.2873	4.00268	3.09123	7.30493	6.08438	8.50241	5.70273	10.0369	5.2963	1.69132
SURF4	15.4152	14.1199	15.6193	38.1778	24.7596	42.7996	17.3364	13.3911	30.0268	31.2606	53.5044	18.4013	49.9358	27.0457	30.0389
SURF6	4.16176	4.5799	4.66722	6.41788	10.5688	10.4449	2.68777	3.13369	3.06051	2.3811	2.5565	2.96364	5.09475	3.81033	2.08262
SUSD1	0.953655	0.810431	0.646054	2.64652	1.37638	2.71101	0.943102	0.840857	1.27119	2.36559	2.37351	1.19817	2.46602	1.89165	2.81462
SUSD2	1.75227	4.25288	6.36381	0.779251	2.91388	4.42658	4.93945	5.66692	0.575578	1.26846	2.88917	0.837598	0.478492	1.44022	4.4691

SUSD3	0.10472	0.370007	0.563105	0.485625	0.298221	0.430976	0.358697	0.325732	0.127537	0.109528	0.748698	0.0374649	0.247737	0.109462	0.225586
SUSD4	0.841434	0.942505	0.832933	0.526203	1.08361	0.41641	0.402354	1.06098	1.16491	0.586715	1.01482	1.2453	0.450088	0.612672	0.268535
SUSD5	1.41494	0.323047	0.394005	0.476515	0.667986	1.72452	0.733853	0.612303	0.11263	0.557143	0.694247	0.215058	0.534024	0.616258	1.05586
SUSD6	7.96468	9.88529	9.74496	20.0995	12.8852	21.7267	9.95125	8.25298	19.3374	8.46685	12.5469	10.0683	11.828	7.08509	11.4321
SUV39H1	1.48528	1.29251	1.19111	1.843	1.13003	2.61972	1.67854	1.15163	1.13518	0.932089	1.35162	0.737424	1.80903	1.30303	1.12094
SUV39H2	1.21951	1.14845	1.10632	1.69232	0.473581	1.1682	0.601264	1.1577	0.776371	0.878364	1.60352	0.847806	1.37694	1.53911	0.955296
SUZ12	2.81909	3.08774	3.14312	3.75531	1.0068	3.40616	2.11176	2.97381	3.35612	3.77249	4.4714	1.99369	4.86495	3.46267	2.94021
SUZ12P1	1.21207	1.74817	1.59735	0.975523	1.02549	0.879551	1.05041	1.49234	0.347477	0.568894	0.705484	0.624046	0.421418	1.20655	1.65684
SV2A	0.351038	0.147074	0.189393	0.225441	0.371424	1.17395	0.255585	0.140162	0.018588	0.593837	1.28647	0.127409	0.666333	0.688669	1.03749
SV2B	0.280482	0.170913	0.251143	0.0799124	0.087137	0.179822	0.226055	0.211146	0.0120563	0.124247	0.156452	0.0118054	0.175643	0.107788	0.137428
SV2C	0.0378969	0.0278695	0.031351	0.00822187	0.0340809	0.0458556	0.0455468	0.0212713	0.0242917	0.0475645	0.0202646	0.0313978	0.0283116	0.0177217	0.0143223
SVBP	3.65417	2.52916	2.73508	3.01856	2.16235	5.1364	2.5828	1.82995	2.40178	4.76835	9.52701	1.86761	2.65703	2.8799	2.95712
SVEP1	10.0106	5.34181	7.71376	2.54089	2.78145	16.0883	12.9733	5.27563	0.228353	0.833072	1.40333	0.821064	1.05731	1.31804	6.75336
SVIL	9.77433	12.6903	11.2278	19.8739	11.1425	19.9799	10.1581	8.62294	7.85136	7.86207	5.3152	9.03847	12.645	9.29807	8.58292
SVIL-AS1	2.82197	2.60042	2.5704	2.53786	2.5257	2.37295	2.28882	2.39477	1.8161	3.04428	2.62796	1.98096	2.68736	2.38039	2.58181
SVIL2P	0.125158	0.0536231	0.0461013	0.0287723	0.0216594	0.0711038	0.0480664	0.0491607	0.0339414	0.017441	0.0632587	0.0301152	0.00900331	0.00727169	0.019899
SVIP	1.1246	0.893574	0.935787	0.440529	0.153236	1.12558	0.675805	1.51963	0.36043	0.635582	1.23984	0.315284	0.517669	0.305912	0.576135
SVOP	0.00738687	0.0303268	0.0308035	0.0114186	0.0114744	0.015857	0.0295465	0.0131341	0.00450253	0.0324495	0.00416943	0.0241932	0.0166809	0.00772261	0
SVOPL	0.254459	0.134862	0.147355	0.0524455	0.0395263	0.0650006	0.2179	0.384441	0	0	0.129264	0	0	0.0132991	0
SWAP70	8.11105	6.42504	6.89427	8.23168	4.42554	10.2322	5.35295	5.93605	8.67151	7.82995	7.23507	4.15178	12.9802	7.0092	7.83592
SWI5	1.78996	1.74514	1.84661	4.34024	3.89259	6.95717	1.73114	1.42233	5.46273	2.82804	7.53577	2.65193	3.00266	2.49836	3.32666
SWSAP1	0.459519	0.711174	0.599019	0.832296	1.42758	1.42282	0.953935	0.507384	1.1532	0.71656	1.27327	0.717378	1.05115	0.560384	0.699923
SWT1	1.59567	1.35674	1.53359	1.03378	0.200477	1.04899	0.730093	1.30861	0.550138	1.03818	0.887411	0.684206	0.571533	0.873824	1.24689
SYAP1	3.62412	3.34997	3.3783	6.74558	3.33486	7.23952	3.3433	3.47754	5.51719	6.18024	9.20514	3.96021	9.30208	5.0029	5.97782
SYBU	1.50255	0.885613	0.936688	0.353703	1.14639	1.27982	1.17652	0.593346	0.361789	0.320413	0.345827	0.215878	0.34739	0.16011	0.799912
SYCE1	0.0300559	0.0072407	0	0	0.0466872	0	0	0	0	0	0.0169647	0	0	0	0

SYCE1L	0.715095	0.588986	0.651063	1.52502	1.47504	1.08801	0.400831	0.271963	0.90163	0.614692	1.31085	0.53431	0.493466	0.51962	0.891991
SYCE2	0.34727	0.358543	0.246245	0.178936	0.0770614	0.19009	0.254894	0.308624	0.151048	0.0311328	0.252016	0.106492	0.0320081	0.129642	0.427477
SYCE3	0	0.0225266	0.0773558	0.48181	0.145249	0.15924	0	0	0	0	0.263895	0.0334535	0	0.097742	0
SYCN	0.0807785	0.272442	0.367541	0.208112	1.75668	0.928555	0.230576	0.179473	0.836223	0.354849	0.0911889	2.31197	0.130295	0.759931	0
SYCP1	0.0127615	0.00307435	0	0	0	0.0217326	0	0.0170121	0	0	0	0	0	0	0
SYCP2	0.816911	0.221775	0.312175	0.162387	0.0579721	0.187138	0.089958	0.357473	0.101006	0.104092	0.168522	0.121652	0.0481584	0.153877	0.160792
SYCP2L	0.347627	0.203128	0.189681	0.0457327	0.022978	0.195234	0.194232	0.177477	0	0.0371325	0.0667961	0.0529226	0.00477206	0.0231938	0.254929
SYCP3	0.266483	0.0691362	0.16958	0.042249	0.0636832	0.122181	0.0936191	0.218611	0	0	0.115702	0	0	0.0321406	0.264949
SYDE1	2.24214	1.11068	1.40273	3.46588	4.66917	8.31071	2.61599	1.24539	0.836268	2.84049	5.68703	1.29347	3.95108	3.70226	6.90289
SYDE2	0.835135	0.688781	0.914403	0.248064	0.465485	0.46431	0.544073	0.755296	0.173505	0.0924864	0.110913	0.130057	0.14263	0.112971	0.197541
SYF2	7.54072	5.64125	5.90422	6.76429	3.49983	10.9453	2.75095	4.75707	5.93214	6.7019	10.2768	2.93542	5.85671	4.15211	4.37664
SYK	4.62257	4.57293	4.38824	7.28118	5.33674	8.46376	5.4898	3.7476	4.7046	5.87763	5.7397	5.00311	9.9748	4.80712	3.39679
SYMPK	5.04527	6.58177	6.59214	10.3644	13.1075	11.2693	6.82052	5.53479	6.25899	5.26423	3.57449	6.20783	7.56572	7.29546	7.53135
SYN1	0.115355	0.121581	0.190859	0.0891573	0.134389	0.491115	0.131708	0.115332	0.0351223	0.108587	0.195332	0.0619046	0.0697747	0.150724	0.144956
SYN2	0.604437	0.805272	0.580576	0.284272	0.195342	0.725374	0.370538	0.410992	0.0296431	0.0356404	0.0366354	0.0116105	0.0261731	0.0190815	0.0116517
SYN3	0.132498	0.1064	0.0974329	0.030343	0.400197	0.125356	0.0756412	0.0654186	0.0179298	0	0.0332387	0.026335	0.0189972	0.0115416	0.105714
SYNC	1.46034	0.774633	0.801485	1.44266	0.76268	2.44211	1.27787	0.622579	0.491408	1.58705	2.45424	0.281818	1.61829	1.15604	1.39375
SYNCRIP	12.4712	10.3331	11.1855	16.3173	3.73122	14.6647	7.44145	14.0722	10.7548	11.439	12.2979	7.88835	20.332	13.0708	9.52353
SYNDIG1	0.11501	0.0125939	0.00864945	0.0861968	0.341058	0.16915	0.0955012	0.0092919	0.0127335	0.0787357	0.419001	0.00374056	0.0640849	0.0300545	0.435444
SYNDIG1L	0.0798955	0.0470493	0.0660952	0.00914829	0.0551579	0.158737	0.091222	0.0631151	0	0.0111419	0.0100213	0.0127039	0.0229103	0	0.0254978
SYNE1	3.5178	3.51297	4.62633	1.7713	2.15556	3.63446	5.33515	2.58456	0.935585	1.47301	1.89086	1.21513	2.08647	2.89833	6.27592
SYNE1-AS1	0.076142	0.0786403	0.0351513	2.37E-39	3.53E-33	0.0296139	0.177189	0.0399729	3.87E-13	0.103131	0.047239	0	6.90E-39	0.0381856	0
SYNE2	15.2615	18.8124	19.4514	15.6511	8.23624	13.2303	10.3749	13.9171	4.83375	7.95821	4.17067	7.4284	8.72754	8.0644	6.64475
SYNE3	4.23061	1.94996	2.72272	1.35844	3.12598	3.94966	3.76562	2.18457	0.196241	0.813253	0.855308	0.66846	1.49306	1.76762	4.33514
SYNE4	0.186501	0.138873	0.182339	0.174722	1.05346	0.245423	0.251657	0.150679	0.206488	0	0	0.0849204	0.0218781	0.106335	0.0973959
SYNGAP1	0.804808	1.05385	0.788441	1.05954	2.28196	2.11815	1.30581	0.816203	0.400977	0.434979	0.545551	0.832104	0.604973	1.37861	2.15677

TAAR2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAAR3P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAAR5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAAR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAAR8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAAR9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAB1	2.87042	3.21936	3.17774	4.21167	7.09326	5.64921	2.73883	2.14131	1.73471	1.97056	1.88061	1.77515	2.87296	2.20535	2.61115
TAB2	9.20378	8.56521	8.54288	10.2248	2.25888	8.82431	5.52224	8.15106	17.1893	13.4924	11.3198	7.18145	17.9769	8.37741	8.81638
TAB2-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAB3	3.40309	3.23167	3.5741	3.60186	1.20766	4.23039	2.60074	3.82139	4.319	4.0444	3.16418	2.89858	5.99735	3.29879	1.94413
TAB3-AS1	0.236154	0.30342	0.195363	0.405605	0.244552	0	0	0.419747	0.191739	0	0	0.112649	0.101577	0.123424	0.452195
TAC1	0.058442	0	0.0161158	0	0.121041	0.87914	0.0222424	0.0346256	0	0.0244503	0.0219913	0	0	0	0
TAC3	0	0.100186	0.0172018	0	0	0	0.0712237	0.0184794	0	0	0	0	0	0	0
TAC4	0.412202	0.810329	0.864883	0.194573	0.53258	0.29815	1.09784	0.604012	0.083513	0.301227	0	0.245326	0.0221212	0.430065	0.393912
TACC1	7.89395	2.83933	3.38566	2.96481	2.40964	5.97807	4.99762	4.25828	1.49001	3.21755	4.25876	1.7874	5.79368	3.47535	8.22389
TACC2	7.94704	18.378	19.1506	6.95475	22.1176	8.0682	17.2886	10.6279	19.9429	4.46377	3.28485	11.3463	4.72131	4.83168	2.87571
TACC3	0.995225	0.919724	0.843566	6.02755	2.73705	5.84859	1.63927	0.688729	1.3611	2.88729	3.25074	1.78027	5.18954	4.90303	2.84682
TACO1	3.3084	2.36828	2.33292	4.31858	4.84543	5.92924	3.79541	1.97416	4.39381	3.28236	6.06456	2.11925	5.23476	3.11241	2.60189
TACR1	1.96065	1.32879	1.5683	0.835906	1.20958	2.08387	1.68821	1.20695	0.0903205	0.302511	0.183136	0.354869	0.463534	0.324616	0.472618
TACR2	0.4119	0.309228	0.348677	0.138201	0.223194	0.407823	0.568728	0.349037	0.0816637	0.13225	0.118949	0.178206	0.154509	0.125161	0.46773
TACR3	0.0396059	0.0508873	0	0.02721	0.102536	0	0.0150736	0	0.257256	0	0	0	0	0	0
TACSTD2	46.9451	76.7793	87.347	102.04	84.1994	58.8993	81.2104	62.1495	324.502	140.959	142.216	110.737	167.723	67.95	16.939
TADA1	2.60578	2.1289	2.28349	2.15464	0.975923	2.49066	1.88155	2.89246	1.55542	1.40904	1.82542	1.45181	1.96034	1.34575	1.31644
TADA2A	3.21432	2.56643	2.83955	2.73276	1.81886	2.7956	2.25443	2.43832	3.21562	1.48404	3.3953	1.76602	2.10348	2.17192	2.02781
TADA2B	4.03795	3.39246	4.10008	3.87902	4.77098	5.02023	3.60271	2.92051	6.4938	3.59885	2.66712	2.73558	6.5582	3.10387	3.05373
TADA3	5.3169	4.52482	5.01316	10.9457	9.76274	16.1855	5.83606	3.72498	7.11376	7.64866	13.9615	5.12169	9.80758	6.86794	6.0037

TAF1	6.41618	6.01731	6.23047	4.28137	4.23984	6.22537	4.89611	5.30582	2.37115	2.50124	1.77858	3.14206	2.75308	3.50118	3.77111
TAF10	12.0106	8.926	10.4047	27.5277	20.1966	30.3911	10.5114	6.94818	21.3548	17.7055	34.9514	12.3233	20.963	15.5007	10.0482
TAF11	6.4451	5.26123	4.80478	7.28312	4.87915	6.61072	4.09385	4.80613	8.37269	6.82473	12.1428	5.30074	7.30338	6.38071	4.06411
TAF12	2.53776	2.63002	2.86523	4.737	2.72718	4.62072	2.0957	2.18443	5.24835	3.98643	7.6575	3.01497	4.88113	3.47851	2.75059
TAF13	5.25431	5.21782	5.83989	15.5828	3.92512	6.89881	4.25898	4.95476	18.4159	17.6194	21.3261	9.24116	31.8562	12.5987	9.84994
TAF15	15.7807	16.0517	16.218	20.6167	8.43358	20.1291	6.65725	11.7716	10.8574	9.21389	8.63301	8.9561	14.148	12.885	7.49376
TAF1A	0.537739	0.464408	0.512003	0.794638	0.551609	0.86392	0.243272	0.342643	0.271847	0.35656	0.48105	0.333948	0.5106	0.710568	0.553696
TAF1A-AS1	0.0968329	0.0583194	0.12016	0.249473	0.0752074	0.144291	0.110561	0.107571	0.0589658	0.24307	0.245953	0.10393	0.015619	0.0632613	0
TAF1B	3.00955	2.71654	3.24608	4.06325	0.7249	4.27368	1.59849	2.87777	1.72825	3.96855	5.77344	1.39018	6.90669	3.23544	2.65344
TAF1C	4.29044	5.10826	4.70666	5.10251	10.7368	8.45547	5.09993	3.37247	2.3678	2.97244	2.27558	4.99306	2.65802	3.93205	4.88025
TAF1D	6.65017	5.95841	6.04916	9.75725	1.30067	6.269	2.85485	5.00031	4.69613	7.28141	8.4529	5.72917	8.65523	10.8746	7.0147
TAF1L	0.00374815	0.0017992	0.00308121	0	0.00580068	0.00317637	0	0	0	0	0	0	0.00720646	0	0
TAF2	4.38888	3.36741	3.38671	5.12624	1.69004	4.14533	2.94243	3.61367	2.90278	4.13716	4.08018	2.97543	5.6485	4.46717	3.95261
TAF3	2.79288	2.4614	2.16534	2.60335	3.6189	4.41563	2.16327	1.92704	1.56397	1.40038	1.41005	1.48121	2.69841	2.07583	2.34811
TAF4	1.5352	2.2817	2.38285	2.74157	2.05069	3.10834	2.03832	1.63101	1.97933	1.44983	1.49031	1.66024	2.8844	1.73541	1.31423
TAF4B	1.9043	2.31385	2.66438	1.93028	0.686978	1.70124	1.60992	1.86348	1.05823	1.13628	1.13947	0.886052	1.14137	0.949046	0.81447
TAF5	0.761564	0.665915	0.770023	1.29349	0.788647	1.1288	0.450866	0.607879	0.583981	0.71688	0.740305	0.499509	1.06461	0.656006	0.90129
TAF5L	2.11182	1.35668	1.42457	2.2192	1.14638	3.00344	1.36117	1.26803	2.18479	1.77179	2.09347	1.31338	3.0816	1.94241	1.49469
TAF6	2.66491	3.13193	2.98246	5.29301	7.05803	8.09691	4.64518	2.10921	4.04969	3.45716	5.07779	3.05635	5.17594	3.83809	3.56016
TAF6L	2.94349	3.11586	2.90578	3.07846	6.05102	4.83566	2.66114	1.68236	3.93133	2.10127	3.48342	2.09832	3.00754	2.59068	2.24719
TAF7	10.9312	9.97487	11.4957	13.5719	7.40913	12.2873	9.03827	8.52279	16.0026	13.416	14.9924	7.72054	21.4966	9.37077	7.68998
TAF7L	0.431179	0.293557	0.403228	0.125575	0.0291204	0.199534	0.192641	0.333214	0.2169	0.0588232	0.0846517	0.234743	0.0423339	0.0979795	0.0538458
TAF8	2.33947	2.38335	2.28095	2.6426	2.70263	3.50086	2.20393	2.02679	1.38222	2.12325	2.35693	1.4671	2.3522	2.23277	2.4218
TAF9	6.01106	5.11082	5.00631	9.63508	1.3329	10.6503	3.71234	4.5466	7.69838	9.46519	15.5939	5.72436	11.7878	8.37021	4.86729
TAF9B	3.92459	2.91518	3.01174	2.95348	0.454545	4.14786	2.3191	4.37511	1.83432	2.75454	3.90573	1.63809	2.27669	2.465	2.52146
TAGAP	0.98704	0.568559	0.798301	1.25584	0.471099	0.798194	0.906613	0.779187	0.141029	1.13502	1.50019	0.102584	1.44444	0.484169	2.04312

TAGLN	41.7134	8.96542	12.2968	6.4104	30.2302	87.4039	36.3542	9.50055	6.26883	25.3722	65.633	5.12247	12.0349	18.5857	45.3703
TAGLN2	73.7177	62.3635	70.566	173.926	86.2054	194.98	93.2171	50.4113	115.515	210.139	282.208	127.136	293.642	165.84	105.966
TAGLN3	0	0.0141506	0.0121482	0.0605319	0.0456208	0	0.0167665	0	0.0178843	0	0.265235	0.0105073	0.217913	0.0460491	0.0421781
TAL1	1.05216	0.515689	0.55527	0.546816	0.859455	0.834116	0.688691	0.475598	0.143607	0.369988	0.563163	0.246624	0.623255	1.17092	1.49801
TAL2	0	0.0516235	0.0295456	0	0.0554771	0.0304105	0	0.0634803	0	0.089651	0	0	0	0.037332	0
TALAM1	559.08	515.594	575.946	569.335	234	377.908	442.566	624.329	388.404	813.291	229.01	828.565	404.034	823.104	695.275
TALDO1	21.0391	18.9642	18.4216	51.172	35.5732	42.2022	24.7871	15.3057	70.1353	51.13	79.1335	40.4994	53.9971	31.7813	20.3482
TAMM41	2.35862	2.38865	2.26192	2.11326	2.10024	1.86123	2.15269	2.28307	0.676967	1.02762	1.53481	1.34905	0.625186	1.88049	1.32687
TANC1	8.65237	9.73504	11.3996	4.07534	5.81608	6.28073	10.6636	8.67605	4.12171	3.32063	3.04472	2.95337	4.09262	4.42569	5.41748
TANC2	3.94419	4.29339	4.10553	6.85825	2.92257	6.79569	4.89475	3.65584	1.81874	4.79953	4.08331	3.68489	7.04324	5.57362	7.00829
TANGO2	1.56752	1.76393	1.83529	1.73881	2.68567	2.88229	2.12867	1.30052	1.03381	1.77131	2.04584	1.23712	1.94543	2.2373	2.28855
TANGO6	2.51221	2.18246	2.18557	2.98491	3.5591	2.69536	2.53929	1.85698	2.15868	1.57955	1.74605	1.74943	2.81094	2.65108	2.17299
TANK	6.79919	5.50128	4.81303	8.73287	1.57037	7.61233	3.25915	4.79177	12.6625	10.6609	17.2195	6.2337	9.90548	6.48557	5.36621
TAOK1	8.35822	7.83839	8.79966	11.1849	2.59481	10.2691	7.43205	8.91407	22.7205	15.6239	16.5747	12.5477	15.2534	10.8967	8.50949
TAOK2	4.03528	4.63809	4.37711	5.31079	10.6024	9.75827	4.57111	2.75551	4.23579	3.90036	3.09398	4.18213	6.02422	5.74825	6.72733
TAOK3	4.07739	3.22544	3.46698	3.64741	1.97286	3.92375	2.28175	3.2821	4.09656	3.46376	3.79303	2.40156	5.22838	3.04542	3.35885
TAP1	1.0389	1.48207	1.89923	2.77299	1.52319	3.77168	1.18961	0.966717	0.52895	1.0323	1.61893	0.561094	1.93559	0.914641	1.36687
TAP2	0.657899	0.596804	0.664073	1.11123	0.715139	1.5977	0.526191	0.441335	0.278919	0.747229	0.449645	0.472424	1.39387	0.679087	0.688864
TAPBP	3.36027	4.36398	4.90957	7.79066	6.19606	9.45375	4.09144	3.7917	2.75298	4.0793	5.55694	4.04636	7.96468	4.19947	5.35443
TAPBPL	2.56464	3.12614	2.89086	2.92723	5.98361	7.0994	2.67156	2.44269	1.53061	1.66715	3.0451	1.17708	1.39759	1.27097	3.34564
TAPT1	1.91682	1.64538	1.88618	1.51789	0.705193	1.45175	1.10004	1.68109	1.28396	1.1206	1.37234	1.16219	1.54916	1.05981	1.39088
TAPT1-AS1	0.363456	1.43597	1.49586	0.983199	2.04657	0.394585	0.68472	0.532966	0.199192	0.239492	0.307722	0.468112	0.0996625	0.389414	0.417575
TARBP1	7.24968	5.77966	5.31448	4.85825	3.57389	3.84517	4.15676	5.28824	2.61528	2.59893	3.27462	3.16986	1.76096	3.09581	2.2935
TARBP2	2.06052	1.76123	1.67572	3.04718	4.05061	4.3714	2.07351	1.11736	2.35353	2.25011	4.04764	2.0741	3.1621	2.54932	1.87247
TARDBP	12.1944	14.1757	14.8098	14.8629	8.70384	15.3975	9.66854	13.159	11.4093	11.627	11.071	8.77619	17.7503	13.6272	8.63026
TARID	0.0465343	0.0149473	0.00641607	0.00799249	0	0.0132078	0.00885522	0.0137853	0	0	0	0	0	0.00405347	0.0668291

TARM1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TARP	0.428158	0.293153	0.316918	0.394784	0.210024	0.441322	0.154376	0.200269	0.0548893	0.0848498	0.178071	0.0644965	0.145392	0.117776	0.873789
TARS	5.46777	5.83597	5.2006	16.5579	5.46165	13.6622	4.61545	3.89786	19.6211	23.4414	20.2253	13.9389	46.7996	18.4263	11.4112
TARS2	2.38982	2.77468	2.51934	3.79678	3.62198	7.0232	2.87073	1.92475	3.14297	2.89531	3.07251	2.13747	3.5924	2.58479	2.47872
TARSL2	2.22016	1.44546	1.70299	2.44723	1.51698	2.72199	1.12306	1.68587	0.43639	1.7019	1.49108	0.930025	2.11239	2.00858	1.14017
TAS1R1	0.0993619	0.0957482	0.0890491	0.0682636	0.0514478	0.119858	0.340345	0.0956633	0.0605058	0.114317	0.00934727	0.207364	0.0373962	0.0259654	0.0475654
TAS1R2	0.119341	0.0796161	0.121511	0	0	0.00781674	0.314446	0.0979022	0.0223607	0.0345659	0	0.0394117	0	0.00479793	0
TAS1R3	0.345621	0.555085	0.526994	0.181578	1.46323	0.334685	0.7815	0.554091	0.156816	0.297699	0.0153005	0.693413	0.227365	0.520658	0.739667
TAS2R1	0	0	0.0282591	0	0	0	0	0	0	0	0	0	0	0	0
TAS2R10	0.100186	0.193085	0.331525	0.0258112	0.038906	0.0853074	0	0.0890373	0	0.031436	0.0848234	0.0179215	0	0.104724	0.683431
TAS2R13	0.395849	0.544932	0.736818	0.276813	0.263525	0.264833	0.338976	0.452312	0.0516536	0.070976	0.159595	0.151736	0	0.265999	0.324851
TAS2R14	0.895122	0.958651	0.996371	0.404971	0.226095	0.521338	0.439122	1.16894	0	0.277385	0.351258	0.336288	0.0939106	0.40312	0.430188
TAS2R16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAS2R19	0.716003	1.69152	1.45216	0.714059	0.574038	0.649	0.922994	1.0058	0.112517	0.144945	0.860425	0.380108	0.014902	0.7605	1.29363
TAS2R20	0.375346	0.694835	0.759939	0.295193	0.230148	0.311192	0.31578	0.395025	0.0481189	0.198357	0.278762	0.247367	0.0318647	0.345883	0.638342
TAS2R3	1.51344	1.88377	1.30419	0.433235	1.2734	0.644338	1.128	1.43843	0.0512001	0.34297	0.118645	0.345929	0.108496	0.769019	1.17731
TAS2R30	1.90448	1.30091	1.87467	0.720456	0.599153	0.718448	0.924043	1.45687	0.0587201	0.514372	0.435427	0.431236	0.0466618	0.718174	1.83492
TAS2R31	1.2071	1.3257	1.50014	0.993244	0.563356	0.405315	1.41899	1.34434	0.0828177	0.341394	0.383824	0.528639	0.0731233	0.582541	1.26956
TAS2R38	0.0202476	0	0.0167503	0.0208658	0	0.0172406	0	0	0	0	0	0	0	0.0211646	0
TAS2R39	0.0227562	0.0657857	0.0376511	0.0938037	0.0353482	0	0	0.0404476	0	0	0	0	0.0440465	0.0237868	0
TAS2R4	1.28573	1.23896	1.23383	0.58299	1.03853	0.59118	0.99824	1.50829	0.0939521	0.387292	0.174171	0.441586	0.0497726	0.416625	0.0738585
TAS2R40	0.0443779	0.0534548	0.0183562	0.137198	0.137868	0.245617	0.0253346	0.0197197	0.189165	0.0556988	0.125243	0.0476303	0	0.0463876	0.414259
TAS2R41	0.250466	0.16895	0.248644	0.0774337	0.116718	0.0426537	0.285974	0.133556	0	0.0628721	0	0.071686	0.0807997	0.235628	0
TAS2R42	0.09796	0.0943972	0	0	0	0	0.0838857	0.0870587	0.0298261	0	0	0	0	0.0895968	0.246195
TAS2R43	0.399912	0.231233	0.652478	0.313023	0.17502	0.115128	0.133058	0.485963	0.0548893	0.0848498	0	0.361277	0	0.221738	0.0647251
TAS2R46	0.622125	0.615289	0.411733	0.256447	0.115965	0.127136	0.694097	0.331736	0	0.124933	0.421381	0.124641	0	0.286132	0.643284

TAS2R5	0.885473	1.45444	1.24862	0.559947	0.937804	0.428391	1.03398	0.643856	0.171565	0.454647	0.181743	0.475185	0.0779049	0.473305	0.260111
TAS2R50	0.324003	0.624438	0.51693	0.262345	0.143797	0.236472	0.449208	0.493623	0	0.145235	0.0261256	0.165595	0	0.0967646	0.199418
TAS2R60	0.314378	0.302944	0.140041	0.0996848	0.187822	0.123549	0.497003	0.214918	0	0.0910561	0.054599	0.103821	0.0156027	0.189586	0.104189
TAS2R7	0	0.0305219	0.0698743	0	0	0	0	0.0562982	0	0.106011	0	0	0	0	0
TAS2R8	0	0.0359699	0.0205866	0	0	0	0	0	0	0	0	0	0	0	0
TAS2R9	0.0215284	0.0311182	0.0534295	0.0443713	0	0.0366623	0	0	0	0	0.0243029	0	0	0	0
TASP1	2.83594	2.13242	2.19679	2.03691	1.30821	3.18311	1.75637	1.90936	0.826835	1.7797	2.54175	1.46348	1.62459	1.92685	2.6905
TAT	0	0	0.00694435	0	0.0260785	0	0.00958433	0	0	0	0.0094761	0	0	0	0
TAT-AS1	0	0.0275325	0	0	0	0	0	0	0	0	0	0	0	0	0
TATDN1	4.42375	3.31862	3.95292	5.29891	0.692996	4.65636	2.038	3.68146	2.88374	3.66131	5.70776	1.55619	3.19994	2.40974	2.65399
TATDN2	6.91886	7.33531	7.8853	8.08271	11.2822	11.5055	8.47054	5.83455	5.72673	4.84214	4.30192	4.66716	7.2118	6.00711	5.38474
TATDN3	2.3578	1.40457	1.55078	2.08182	0.932543	2.40003	1.28301	1.67809	0.90311	1.52372	2.50871	0.944558	1.51092	1.19811	1.3897
TAX1BP1	13.8366	11.9503	12.4123	12.5295	4.94938	12.55	6.01528	9.42026	21.5234	18.5145	17.3507	10.1578	20.8631	10.3016	10.1667
TAX1BP3	18.3606	19.7023	18.622	94.366	53.5858	78.55	23.1181	14.8158	36.3097	48.603	69.4439	46.8365	86.3369	39.5208	30.7159
TAZ	2.32984	3.49022	3.93133	3.55893	8.28932	5.37666	3.58521	2.09028	2.06731	1.96338	3.66301	2.86576	2.37649	3.23553	3.02728
TBATA	0.0225786	0.0598329	0.0560358	0.0116339	0.0175362	0	0.0386692	0.020066	0	0	0	0.0323112	0	0.0295014	0.0162129
TBC1D1	3.18822	1.18686	1.42148	2.74601	1.74116	6.44669	2.14579	1.28548	0.911455	3.13384	4.7849	1.18865	4.26336	3.35543	6.24626
TBC1D10A	6.67459	8.68617	7.37169	12.6102	19.3995	13.4562	6.8613	5.29991	15.9644	8.39163	10.111	7.08992	9.36745	7.72609	4.90805
TBC1D10B	4.49769	5.77882	6.36439	8.72599	14.4759	12.9276	6.77476	3.39666	9.93526	6.78468	5.34749	6.51702	12.4068	7.35004	6.28741
TBC1D10C	0.846838	1.12345	0.86371	0.56187	2.88314	1.23471	1.351	0.886624	0.211922	0.393116	0.772638	0.564433	0.523922	0.497161	1.68264
TBC1D12	2.2825	1.90467	2.24791	1.65109	2.50125	1.64874	2.44981	2.13225	4.0006	2.13721	2.79479	1.4402	2.07783	1.82622	1.98875
TBC1D13	3.4747	3.12549	3.27186	4.36294	6.44744	7.321	4.15011	2.33447	2.19535	2.11359	3.71502	2.17653	4.22743	3.04328	4.01085
TBC1D14	11.345	11.2387	10.7661	17.5563	15.9856	16.7095	10.5922	9.13288	23.581	15.337	13.3165	13.6149	21.7206	9.73308	8.04904
TBC1D15	4.51649	3.5116	3.65885	2.64733	0.875436	3.84945	2.31027	3.87174	2.28143	3.24291	4.54801	1.7873	2.61861	2.35511	3.05152
TBC1D16	3.48894	2.99404	3.18442	3.64615	5.70269	8.60221	4.42773	2.81684	1.89765	2.25889	2.02938	2.1419	3.76105	3.33888	4.47839
TBC1D17	5.71744	9.19019	9.29838	6.76677	18.8687	10.8916	9.41332	6.01767	11.2292	4.43296	7.68788	6.70202	4.51351	4.12026	4.96023

TBC1D19	1.27706	1.33436	1.51714	1.18598	0.53053	1.11269	1.25465	1.40549	0.415957	1.07167	1.45841	0.823457	0.517367	1.04774	1.21557
TBC1D2	3.80167	5.61016	5.58822	11.5007	12.9624	10.8348	5.39529	3.5294	14.1959	9.96891	5.96569	7.80986	18.2608	7.9641	4.93626
TBC1D20	6.76321	6.73678	7.68564	6.49472	8.26134	8.41325	9.00507	6.19466	13.7744	8.07906	12.2824	6.11392	7.88848	7.21014	7.30323
TBC1D21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TBC1D22A	4.07107	3.97396	3.98056	4.67888	6.55243	6.05163	5.65662	3.43815	4.20181	3.56808	4.31533	3.29479	3.81083	3.71206	3.11818
TBC1D22A-AS1	1.53022	1.88607	1.73694	0.586766	2.06371	2.0706	2.09929	1.07529	0.0866806	0.550864	0.174082	1.18828	0.206642	1.09734	1.46506
TBC1D22B	2.59993	3.62045	3.25484	3.48031	2.57343	3.66599	3.88647	2.79396	6.04151	3.84798	3.46376	3.70831	4.22504	3.21261	2.35933
TBC1D23	4.61553	4.94119	4.86276	6.21714	1.71142	5.04564	2.93071	4.94341	10.6984	11.0178	10.4074	4.96443	9.88641	6.79804	4.46458
TBC1D24	0.961517	1.2307	1.2396	0.679867	1.42354	1.84127	1.19526	1.02564	0.175297	0.576973	0.89476	0.379997	0.969042	0.917733	1.09864
TBC1D25	2.46404	2.63827	2.84733	2.17076	3.48034	4.02491	2.92819	1.94652	3.65419	2.47551	2.8636	2.27883	2.73617	2.34201	2.0542
TBC1D26	0.0188369	0.0178984	0.0307312	0	0.0577033	0.052718	0.0282761	0	0	0.0155414	0	0.00886007	0.0159784	0.00647168	0.0355659
TBC1D27P	0.006765	0.00325948	0.00559648	0.00697152	0	0	0	0.00601217	0	0	0	0	0	0	0.0582923
TBC1D28	0.0173019	7.43E-28	0.00967925	0	0	0.00996259	0	0.0103982	0	0	0	0	0	0	0
TBC1D29	0	0.0500779	0.028661	0	0	0	0	0.0307898	0	0	0	0	0	0.0181071	0
TBC1D2B	6.9921	5.96047	6.28612	7.38243	11.3412	15.8448	6.67667	5.61402	3.75374	6.5065	7.65209	4.34794	6.23651	5.96506	12.2275
TBC1D3	0.47985	0.600766	0.826653	0.15077	0.290341	0.35126	0.755597	1.09435	0.299651	2.22945	0.00214318	0.908632	0.0785899	1.54011	1.2529
TBC1D30	0.297065	0.162035	0.173882	0.161731	0.365673	0.326922	0.175989	0.201741	0.112633	0.179389	0.281567	0.142374	0.267608	0.209453	0.382351
TBC1D31	0.687941	0.733746	0.671262	0.842249	0.255736	0.851123	0.402805	0.569581	0.486947	0.75274	0.935902	0.450169	0.90668	0.676073	0.616426
TBC1D32	1.44454	1.55685	1.61643	0.685558	0.436964	0.60853	0.802963	1.75001	0.398155	0.553456	0.892597	0.546724	0.19376	0.542393	0.529554
TBC1D3B	0.132884	0.145375	0.14113	0.0276412	4.59983	0.0230057	0.0623739	0.201518	0.0655564	0.440738	7.56E-13	0.108935	2.07E-13	2.40442	4.83E-13
TBC1D3C	0.30129	1.79006	1.2942	2.18366	2.65871	1.76987	1.51727	0.450355	0.433624	1.18142	0.671215	1.63034	0.684111	2.46011	0.067896
TBC1D3D	0.297703	0.1714	0.188556	0.443338	0.141088	0.265011	0.146034	0.126378	0.524824	0.459765	0.195201	0.669023	0.270169	0.306454	0.177192
TBC1D3E	0.312483	0.179904	0.197917	0.465356	0.148097	0.278171	0.153288	0.132652	0.550879	0.482588	0.204891	0.702211	0.283589	0.321669	0.185991
TBC1D3F	0.139019	0.114316	0.0884733	0.191046	0.0549472	0.507695	0.0599205	0.0646196	0.187233	0.448814	0.0696184	0.265585	0.0963571	0.10931	0.0631965
TBC1D3G	0.178012	0.113038	0.114963	0.221669	0.072987	0.277467	0.0730187	0.0811143	0.262427	0.385117	0.0976007	0.345767	0.135085	0.153232	0.0885961
TBC1D3H	0.0336172	0.0392425	0.0468497	0.0896603	0.165462	0.129297	0.0494063	0.0413621	0.1346	0.352721	0.0184313	0.178079	0.0255096	0.0596795	0.0919998

TBC1D3I	0.297703	0.1714	0.188556	0.443338	0.141088	0.265011	0.146034	0.126378	0.524824	0.459765	0.195201	0.669023	0.270169	0.306454	0.177192
TBC1D3J	0.0284037	0.0874615	0.0165825	0.0218654	0.439978	0.515752	0.0017569	0.00835426	0.0271563	0.00245061	0.00502901	0.0138054	0.0185278	0.433551	0.0112807
TBC1D3K	0.297703	0.1714	0.188556	0.443338	0.141088	0.265011	0.146034	0.126378	0.524824	0.459765	0.195201	0.669023	0.270169	0.306454	0.177192
TBC1D3L	0.212358	0.129031	0.134496	0.382092	0.100643	0.189041	0.119827	0.0901459	0.374361	0.32796	0.139237	0.477215	0.192714	0.2186	0.126393
TBC1D3P1-DHX40P1	0.211646	0.0346936	0.0378384	0.0532713	9.22E-09	0.18843	0.16164	0.194136	0.0936789	0.382876	0.453528	0.0192451	0.0312702	0.0945104	1.03E-13
TBC1D3P2	0.0124143	0.0239084	0.0408042	0	1.12E-41	0.0324012	0	0.0109959	0.0151057	0.0473277	0	0.00912514	0	0.0131967	0
TBC1D3P5	0	0	0	0	0.0116604	0	0	0	0	0	0	0	0	0	0
TBC1D4	7.73949	8.52556	8.98577	5.45207	6.93134	6.33247	5.3785	6.21258	3.65368	3.05567	3.87043	3.29332	3.59473	3.8192	3.21709
TBC1D5	4.52786	4.13153	4.20665	6.07904	2.31152	6.87915	4.09226	4.21843	2.38237	2.54775	3.84505	2.10953	3.04282	2.29601	4.13536
TBC1D7	1.12603	1.02899	0.984805	2.03776	0.950469	2.16856	1.2804	0.713723	1.56762	1.33733	2.33615	1.01376	1.18519	1.26985	0.898639
TBC1D7-LOC100130357	0.687142	0.561701	0.687499	0.15778	0.192704	0.109715	0.59216	0.703622	3.15E-19	0.223827	0.104019	0.063673	1.07E-19	0.24348	0.508935
TBC1D8	11.1172	7.5629	6.64584	5.308	8.05158	11.907	6.76279	6.73345	3.08684	3.38597	2.95947	4.76745	2.95128	3.61872	2.92917
TBC1D8-AS1	0.186788	0.211494	0.154524	0.125119	0.130566	0.421476	0.191942	0.116201	0	0.0586096	0.158145	0.0735086	0.0482059	0.0488118	0.0536503
TBC1D8B	0.642965	0.419544	0.492393	0.810257	0.365256	0.872833	0.44047	0.382031	0.183459	0.936105	1.52631	0.273406	0.651887	0.643279	1.58821
TBC1D9	3.01627	1.47971	1.50763	4.3517	3.79412	4.41463	2.33606	2.05451	3.64266	3.20861	4.69556	1.80506	4.59984	3.1639	5.57372
TBC1D9B	14.5896	13.7393	13.1448	16.4427	26.6431	30.146	16.4276	10.3577	16.3494	13.6659	10.9711	13.4651	20.2694	13.9066	12.9471
TBCA	4.32218	3.78677	3.48955	10.2337	2.4828	7.57806	2.76442	3.54701	7.84408	8.67727	15.1181	5.82659	8.128	5.71414	4.14266
TBCB	6.24023	4.47092	4.11597	11.3704	8.63015	12.0728	5.31223	3.25296	8.36966	11.5831	20.733	7.3067	12.1231	6.24226	7.46314
TBCC	4.31742	3.9848	4.33703	5.86489	5.96612	7.7344	4.27329	3.06459	6.45316	4.6095	7.29492	2.98893	6.48461	3.68508	3.96581
TBCCD1	2.11154	2.41466	2.32891	2.17481	1.74229	2.73471	1.88426	1.77319	1.48741	1.7684	2.79325	1.55773	1.39085	2.3855	2.00916
TBCD	4.99466	4.99191	4.94903	6.98066	8.55772	12.2062	6.2138	4.42287	3.63199	4.36923	4.59451	3.78993	6.03395	6.18139	6.69554
TBCE	2.12622	1.78963	1.75195	3.07786	1.51745	2.40018	1.53249	1.8291	2.42123	2.43156	2.88254	1.92763	2.66545	2.25663	1.93429
TBCEL	2.41473	1.5653	1.63279	2.66846	1.03778	3.5545	1.88458	2.03348	1.10084	2.395	3.9977	1.20603	2.07919	1.9216	3.26093
TBCK	1.73034	2.31739	2.32016	3.70309	1.44478	1.83294	1.53718	1.77789	1.59698	1.58696	2.34136	1.65937	1.38395	1.76507	1.88349
TBILA	1.52933	6.15964	8.61896	1.1697	1.61465	0.325551	5.70223	4.21546	1.04768	1.34962	0.107901	1.64141	0.508775	0.880473	0.480443
TBK1	3.47858	3.11005	2.84672	4.41144	0.8734	3.63862	1.74619	3.4246	6.38217	5.64566	7.30366	3.27756	5.90596	3.7184	3.92979

TBKBP1	1.46114	1.14636	1.02814	1.20575	3.03489	3.71335	1.27198	0.850765	0.934067	1.15935	1.08699	0.684971	1.60732	1.48342	1.9617
TBL1X	2.99576	3.48342	3.26728	5.0331	4.15165	6.38531	3.77172	2.25909	5.51253	4.46467	3.36012	4.54295	7.33442	3.59169	4.57289
TBL1XR1	6.90461	7.05213	8.10787	8.77465	2.37953	7.45247	5.60144	9.40306	5.43015	7.78542	10.1643	4.11633	8.982	6.55095	5.49989
TBL1Y	0.278832	0.379873	0.373844	0.346795	0.567539	0.368413	0.0439119	0.179443	0.644042	0.144812	0.27135	0.48846	0.0558313	0.130654	0.0414246
TBL2	2.51724	2.43933	3.11197	4.04416	3.54768	4.43729	2.56731	1.94805	2.91071	3.11502	4.3503	2.35262	5.4837	3.61796	3.98065
TBL3	3.74714	5.18416	5.72743	7.34611	10.8928	9.853	6.89631	3.82967	7.07357	4.9046	5.2775	5.7773	7.96093	5.59548	3.53633
TBP	2.71056	2.57683	2.72503	2.90604	1.98249	3.59137	1.7764	2.12806	1.92444	2.07478	2.53846	1.93077	2.56444	2.40767	2.19947
TBPL1	1.6662	1.31636	1.41894	2.3736	0.628016	1.74214	1.06311	1.31746	1.31304	1.87598	3.3193	1.47273	1.96825	1.29984	1.07328
TBPL2	0	0.0172211	0.0147842	0	0	0.045651	0.0612139	0	0	0	0	0	0	0	0
TBR1	0	0.011134	0.00955844	0.00595347	0	0.00491912	0.0131922	0.025671	0	0.00725085	0.0260865	0.00826733	0	0.00301936	0
TBRG1	3.46675	3.03434	3.19154	3.1171	2.38872	3.65645	2.47037	2.66442	2.16448	2.38606	2.79571	2.34968	3.53165	3.3306	3.59855
TBRG4	4.69776	5.1491	5.08083	9.01177	10.6615	9.37683	5.71206	3.37071	6.55105	6.70017	8.79269	6.64995	9.44723	8.97609	4.17644
TBX1	3.40047	4.07614	3.43445	4.61002	10.513	4.19561	4.12757	1.98781	5.39789	2.71409	3.29831	3.3308	3.7862	3.7486	2.54844
TBX10	0	0.0288131	0.0247359	0.0154067	0	0.01273	0	0.0132866	0	0.0187642	0	0	0	0	0
TBX15	2.40791	0.961368	1.16157	1.09157	1.53057	3.1777	1.86332	1.15481	0.322507	1.46858	2.97545	0.308452	1.07677	0.762813	3.26351
TBX18	2.72024	1.68014	2.24406	0.522914	0.912656	1.6178	2.04736	1.35287	0.204446	0.972061	0.8743	0.177442	0.334771	0.570282	1.62182
TBX18-AS1	0.30653	0.147691	0.190188	0	0	0.0652517	0.0874966	0.102157	0	0.0480909	0.0865087	0	0	0.0400516	0
TBX19	0.451052	0.683581	0.773421	0.371857	0.624206	0.474843	0.589905	0.546623	0.279659	0.329377	0.286993	0.492911	0.444461	0.480051	0.38866
TBX2	3.26605	0.590524	0.708046	2.28617	4.66914	6.31408	1.65736	1.02838	0.39193	2.93907	4.37488	0.627104	2.91126	3.53205	9.9119
TBX2-AS1	0.851021	0.307526	0.46935	0.267973	2.01962	1.04669	0.99866	0.273114	0.0575805	0.47472	0.800581	0.169147	0.122017	0.580686	1.86721
TBX20	0	0.0121999	0	0.32617	0.0786633	0	0	0	0.0154188	0	0.0428757	0.0543528	0.0490102	0.00661683	0
TBX21	0.0899808	0.0693666	0.0818823	0.0927278	0.321474	0.329455	0.0513686	0.0559772	0.0109586	0.022587	0.0711039	0.0193151	0.0754717	0.0329195	0.103379
TBX22	0.0568393	0.013693	0.0470214	0	0.0588607	0.0241989	0.0432648	0.016838	0	0	0	0	0	0	0
TBX3	10.8094	6.579	5.13163	5.4351	13.9046	9.16702	5.73451	5.88692	3.53573	2.16197	4.0147	3.23711	5.79726	4.95405	4.39169
TBX4	0.831895	0.440244	0.552818	0.730806	0.847357	2.1831	0.46713	0.23634	0.116264	0.231074	0.184742	0.209799	0.602727	0.384892	0.822584
TBX5	0.228141	0.115034	0.118508	0.0492082	0.362623	0.347859	0.145386	0.0895884	0.0710779	0.086568	0.137755	0.0189815	0.0787325	0.0360482	0.342878

TBX5-AS1	0.108145	0.0766264	0.0999906	0.0131114	0.158105	0.189585	0.138003	0.0621891	0.0464854	0.0239529	0.0502692	0.0136554	0.0697747	0.0897692	0.0913588
TBX6	0.398132	0.445532	0.446234	0.476462	1.17703	0.831108	0.366592	0.502206	0.344109	0.241789	0.362453	0.395148	0.455742	0.234931	0.350439
TBXA2R	0.462683	0.137186	0.117774	0.339267	0.870741	2.19713	0.741619	0.134429	0.15171	0.480206	1.45645	0.171898	0.625745	0.571993	1.34172
TBXAS1	0.996139	0.23584	0.24154	1.9469	1.0538	1.9962	1.09814	0.824231	0.146419	1.88616	4.23633	0.264214	1.57352	0.982905	2.2322
TBXT	0	0	0	0	0	0	0	0	0	0.0116936	0	0	0	0.0146082	0
TC2N	5.2089	4.43717	5.00587	4.6302	1.07926	5.71537	2.93279	8.82809	3.00011	3.64144	3.49864	2.71773	6.19435	2.9909	1.7356
TCAF1	4.73731	4.41155	5.01766	5.59821	4.59016	9.6016	4.18526	3.69943	1.43766	3.04604	3.59445	1.73929	4.32422	3.80926	5.00218
TCAF2	2.62947	2.04826	2.00564	5.28029	2.67533	5.02307	2.28861	2.26917	2.95371	3.78262	3.25181	3.39039	6.28298	2.95877	1.98738
TCAF2P1	0.720008	0.552378	0.410857	0.605326	0.956598	1.07871	0.306718	0.578601	0.595856	0.760192	0.43993	0.643659	1.10976	0.741133	0.625533
TCAIM	1.2775	1.34721	1.38229	2.16656	0.630802	1.79014	1.46827	1.30451	1.5507	1.70958	2.06293	1.4014	2.09607	1.21376	1.23323
TCAM1P	0.0418626	0.0268934	0.0346317	0.0287604	0.0108379	0.0891137	0.0318649	0.018602	0.0424866	0.017514	0.0393814	0.0199692	0.00450159	0.0291723	0.04008
TCAP	0.264355	0.115791	0.278336	0	0.335973	0.204631	0.219514	0.0854314	0.0292686	0.0603259	0	0.137566	0.0155055	0.0502412	0.172567
TCEA1	12.3873	10.8406	11.331	11.4461	6.18283	12.2484	7.69403	13.493	11.8785	11.0752	15.4211	7.84265	13.9075	9.43388	7.64968
TCEA2	2.33045	1.76766	1.74658	1.55748	4.31891	4.38129	2.35787	0.933028	0.660381	1.20184	2.26613	0.668652	0.647589	0.98887	1.24264
TCEA3	6.99581	9.73613	9.48526	3.84319	11.8324	6.09197	8.25938	6.73443	4.36475	1.70962	3.88152	1.98714	0.571674	1.45147	1.27248
TCEAL1	4.24891	1.9775	2.12396	1.60239	1.23575	4.41846	2.25017	2.41027	1.6515	3.01815	6.81714	1.07378	1.86647	1.71984	2.31097
TCEAL2	0.12612	0.0708944	0.0521677	0.0216617	0.130605	0.769626	0.0959999	0.0373617	0	0.0263823	0	0	0	0	0
TCEAL3	5.53375	3.01317	3.72605	2.41676	4.02555	11.332	2.79418	2.88861	0.977102	2.63359	5.36445	1.04509	2.46872	2.0213	4.13608
TCEAL4	7.05874	5.08045	5.44174	4.90956	3.75107	11.6301	2.4328	4.02031	4.60445	3.648	6.77195	2.51755	2.33353	3.88909	3.87601
TCEAL5	0.079393	0.0191264	0.0328397	0	0.0616624	0	0	0.0176395	0	0.0996463	0.0672186	0	0	0.0311207	0.0570092
TCEAL6	0	0	0.0131961	0	0.024018	0.0136958	0.0179015	0	0	0	2.00E-26	0	0	0	0
TCEAL7	0.526421	0.178486	0.209682	0.140646	0.181714	0.531249	0.178089	0.138619	0.0474905	1.51719	3.87372	0.0837042	0.0503177	0.213991	0.560006
TCEAL8	8.51634	5.74096	5.41827	8.3631	4.38982	9.62542	5.58129	8.80741	12.4416	11.312	25.4791	4.85033	5.9875	5.88813	9.10435
TCEAL9	5.01539	3.40971	2.79536	6.02261	2.31078	8.84869	1.96542	3.58847	18.8939	18.111	21.6154	8.86514	11.2982	6.64199	5.95142
TCEANC	0.387189	0.379653	0.533851	0.364009	0.263789	0.543694	0.286964	0.295807	0.297823	0.477437	0.628794	0.208998	0.175307	0.287567	0.0585319
TCEANC2	0.734504	0.918938	0.870601	0.900045	0.814956	1.26661	0.609594	0.710363	1.22906	0.511294	0.707227	0.700007	0.597351	0.554858	0.602766

TCL6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCN1	0.398763	0.270406	0	1.44589	0.206472	0.930596	0.134902	0.380639	21.1167	1.59415	4.51822	3.60356	0.161991	0.710142	0
TCN2	3.14977	1.2862	1.10882	2.93516	4.0599	12.7156	2.12973	1.82647	1.00663	1.87852	4.40049	0.767234	1.60704	1.36017	4.95658
TCOF1	2.44403	2.80348	2.88749	7.01879	4.60611	7.80485	2.96245	2.03137	1.44361	1.91417	1.34682	2.60244	7.25415	4.41931	3.08853
TCP1	20.4558	15.9819	16.1417	35.8167	10.8984	34.0855	12.291	13.604	28.2907	29.5868	33.1881	21.7187	49.7333	27.319	15.5448
TCP10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCP10L	1.58E-35	0.00533042	1.50E-30	4.82E-40	0.0132801	2.53E-18	5.38E-24	2.96E-26	1.54E-13	0	0	1.37E-28	9.46E-24	4.29E-25	2.08E-17
TCP10L2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCP11	0.0541992	0.052228	0.0896748	0.0111708	0	0.11076	0.0495063	0.0578013	0.0396051	0	0.0856578	0.0232686	0	0.045323	0.0155674
TCP11L1	2.21509	3.23144	2.48147	2.64731	3.02264	3.44479	2.82769	2.0301	3.57825	3.29179	3.55115	2.06924	3.28013	2.78974	4.49559
TCP11L2	7.89825	7.53043	7.91683	5.36594	4.44009	6.02067	9.11339	6.99699	18.9023	8.89553	11.7938	7.10462	6.01264	4.08864	5.34133
TCP11X2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCTA	4.11767	3.72901	3.60261	4.58774	5.81013	6.37898	3.67991	2.75895	4.14842	4.07225	5.91386	2.75348	4.08242	3.08164	3.21992
TCTE1	0.178764	0.125884	0.170638	0	0	0.128797	0.141305	0.244416	0.0167473	0.017259	0	0.00983926	0	0.00718691	0
TCTE3	0.388514	0.421182	0.372539	0.345778	0.192021	0.225555	0.312531	0.400209	0.129045	0.0997414	0.199356	0.214812	0.159515	0.184595	0.202893
TCTEX1D1	0.153333	0.0689529	0.118391	0.410837	0.079393	0.896519	0.105042	0.181693	0.0373485	0.230938	0.496202	0.058514	0.389123	0.272471	0.601895
TCTEX1D2	1.38922	2.11256	1.71928	3.69042	2.97765	2.42926	1.2064	1.14722	4.43779	2.94463	5.86937	3.1236	1.45621	1.4385	1.8111
TCTEX1D4	0.5658	0.747482	1.11733	1.22257	0.878883	0.777051	1.41706	0.811026	0.955822	1.8097	0.350265	4.20517	0.306172	1.46902	1.25816
TCTN1	1.5876	1.27007	1.48684	1.46938	0.893378	1.96397	1.12181	1.24588	0.795298	0.797042	2.03567	0.72445	0.649376	0.80157	1.54868
TCTN2	2.54319	2.35115	3.01121	1.43327	1.67894	3.26854	2.02354	1.78695	0.745293	1.16706	2.39545	0.949667	1.83058	1.41641	1.94031
TCTN3	4.96828	4.22575	4.62041	7.90631	4.04247	8.78453	4.92977	4.10002	3.24149	3.6481	8.52726	3.13172	5.31528	4.66775	5.14501
TDG	3.51944	3.40172	3.07622	6.03013	2.0211	4.11679	2.56527	3.99346	7.13515	6.71065	9.08574	5.14332	12.0739	7.70708	3.82908
TDGF1	0.0316739	0.0406959	0.0524057	0.0435211	0.0328003	0.0719197	0.0120547	0.121979	0.0257168	0.0265027	0.0238372	0.0075545	0	0.0110361	0.181951
TDGF1P3	0	0.00411464	0	1.78E-41	5.05E-22	0	0	0	0	1.28E-26	0	0	0	0	0
TDH	0	0	0	0	0.0264916	0	0	0.0151567	0.0415411	0.0428105	0.0962624	0.073218	0.022007	0.0802212	0.122463
TDO2	0	0.00654767	0.0112423	3.23503	0.0844372	0.219856	0	0	0.0496517	3.32598	7.96195	0	0.832953	0.11364	0.448876

TEDC1	1.20913	2.10164	2.89801	1.77009	2.43991	1.64538	2.96754	1.15492	0.192675	1.30484	0.829182	3.19384	1.53109	1.87221	1.46058
TEDC2	0.113725	0.130137	0.129362	0.981525	0.37539	1.00467	0.243464	0.101069	0.0692522	0.392526	0.962861	0.345837	1.41247	0.416064	0.183739
TEDDM1	0.222173	0.33006	0.413544	0.162177	0.086278	0.0472944	0.25367	0.320855	0.090194	0.0464751	0.0940522	0.0529903	0.0119454	0.0967646	0.0132945
TEF	5.81682	9.15629	12.2232	1.41165	3.06066	9.66907	11.6905	4.11531	7.88814	4.29816	3.97233	4.89003	6.77908	1.60047	4.64728
TEFM	1.59011	1.99863	1.84449	2.76078	1.12761	2.14868	1.49979	1.61285	2.21023	2.473	4.85831	1.58298	2.26374	2.24025	1.34038
TEK	3.11906	1.23636	1.18782	1.96956	1.82345	2.87061	1.59508	1.39675	0.608493	2.4779	3.49912	0.898953	3.48334	2.1955	6.24876
TEKT1	0.0163787	0	0.0270992	0	0	0	0	0	0	0	0	0	0	0	0
TEKT2	0.04601	0.0517261	0.114188	0.0316098	0.166762	0.026118	0.0525328	0.0272599	0	0.0577473	0	0.0329214	0.385911	0.0801562	0.0660762
TEKT3	0.0518903	0.137508	0.289759	0.0133686	0.0604526	0.0441839	0.325856	0.0807025	0.110594	0.0162819	0.0439332	0.0371289	0	0.00678003	0.167672
TEKT4	0.0428772	0.0301641	0.0172638	0.0215055	0.0488456	0.00893423	0	0.0556383	0.0259695	0.0263384	0	0.151027	0.03383	0.0384456	0.119918
TEKT4P2	2.09004	1.72374	2.03228	1.09785	2.12393	1.8548	1.58853	1.93594	1.77147	2.39469	6.13875	2.44479	2.51329	1.68262	1.46141
TEKT5	0.0719175	0.0762321	0.0832933	0.0296452	0.0223425	0.110226	0.0164226	0.115046	0	0.0361055	0	0.0205836	0.00928016	0.0300698	0.0206565
TELO2	2.6634	3.49131	3.4805	6.13437	10.9965	7.07601	3.69206	2.13833	2.98118	2.90644	1.89191	4.2792	3.89444	4.89571	3.48542
TEMN3-AS1	0	0	0	0	0	0	0	0	0	0	0.125907	0	0	0	0
TEN1	3.37649	3.27131	3.30571	5.41175	7.03696	8.32936	5.20594	2.03832	11.045	5.94277	10.4998	3.923	5.26973	3.00452	1.99926
TEN1-CDK3	1.16153	1.84989	1.99293	0.688599	2.6039	0.672314	1.12918	1.39545	0.380826	0.764096	0.137163	1.24136	0.0391619	1.04424	0.827802
TENM1	0.825705	0.606273	0.721687	0.0943403	0.170084	0.139087	1.00835	0.445077	0.0349779	0.0202763	0.00405268	0.0269719	0.0382183	0.0300208	0.340278
TENM2	3.21894	3.37132	1.93209	13.5011	6.03559	9.64141	3.02057	2.83581	3.47739	14.2681	4.65464	9.83994	30.5306	11.4391	7.17348
TENM3	0.505604	0.254867	0.117749	0.656772	0.808476	1.17939	0.293492	0.258653	0.230266	2.26637	2.65957	1.24188	3.89262	1.68987	4.17971
TENM4	1.92517	3.66092	3.12027	5.07341	4.54804	4.40432	2.51211	2.33336	1.22329	1.30355	1.47906	1.82609	1.19031	1.64095	2.0141
TENT2	5.30843	4.59556	4.96521	4.19995	1.54942	4.38885	3.73924	5.11716	3.03962	4.08893	4.87618	2.72622	3.91385	3.30917	4.01467
TENT4A	4.8502	4.82213	5.11538	3.67646	3.50638	5.48044	4.30953	3.39931	4.63038	3.58901	3.63288	3.41453	4.04588	4.4163	3.14935
TENT4B	1.28668	1.2495	1.27213	1.09076	0.611561	1.21948	0.990251	1.47055	1.25432	1.48242	1.66828	1.09009	1.91986	1.34793	1.19638
TENT5A	4.66408	5.26339	6.47169	3.25106	3.13882	5.58313	4.63785	5.41311	4.59548	2.98129	4.61342	3.0422	2.09928	1.99581	3.40536
TENT5B	17.0697	28.957	29.4926	27.4762	56.9372	33.1781	36.397	12.7703	117.112	52.9549	48.9498	61.3482	65.2055	32.3126	9.6181
TENT5C	1.43633	0.43667	0.62926	0.287696	0.389659	0.740698	0.43886	1.02119	0.0591307	0.284375	0.443039	0.118696	1.08595	0.334108	0.74375

TENT5D	0	0.00345972	0.0118806	0	0	0	0	0.00638151	0	0	0	0	0	0	0
TEP1	2.48441	2.77667	3.06498	4.311	5.01215	4.68414	3.40744	2.31563	0.993642	2.07516	1.86157	2.22207	2.5873	2.92149	4.22685
TEPP	0.228432	0.103183	0.0354329	0.720931	0.243949	0.10941	0.0978062	0.0761294	0.243429	0.340463	0.580211	0.245174	0.736917	0.186545	0.123022
TEPSIN	2.12392	3.08189	3.17025	3.76465	7.91688	4.12867	2.63678	2.11239	2.56991	2.67273	1.98564	3.92039	2.6303	3.34808	3.28984
TERB1	0.0283848	0.0227937	0.0469638	0.0195009	0.0146971	0.0241693	0	0.0756781	0	0	0	0	0.00610457	0.0148351	0
TERB2	0.0181514	0	0	0	0	0	0	0	0	0	0	0.0129878	0	0	0
TERC	35.0481	31.3752	33.8762	63.405	38.1013	64.5361	33.3376	21.1605	10.6868	22.9928	66.3857	16.0087	21.6858	35.804	8.62229
TERF1	2.83033	2.39966	2.52902	2.56222	1.48169	3.58171	1.57116	2.65433	1.77112	2.51216	4.25425	1.35385	2.81483	2.25158	2.35798
TERF2	3.63837	3.89232	4.08566	4.53428	4.40256	5.71372	3.63481	3.37212	3.43944	2.86908	2.68	2.80066	4.61519	3.47049	3.09337
TERF2IP	8.76381	8.19879	7.82254	10.5814	9.95296	14.378	5.48398	7.33414	11.8213	10.5338	10.5726	6.11297	13.3922	7.97635	7.50264
TERT	0	0.0111146	0.00477089	0.0118862	0	0.0245527	0.0790152	0	0	0	0	0.00412646	0	0.0030141	0
TES	5.27156	5.08377	5.73425	9.07913	4.40244	9.07396	4.38241	4.49782	10.8678	14.8688	18.2462	7.34113	21.7031	12.8657	9.02432
TESC	1.94365	1.23049	1.25269	0.885043	2.59789	3.6179	1.83213	0.682909	0.16515	0.482224	1.40323	0.177885	0.88949	0.401611	1.68778
TESC-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TESK1	4.6084	4.74218	5.86689	5.43155	7.7156	10.2524	6.17539	2.93473	3.87607	4.80266	7.29982	2.93541	6.77751	5.60068	5.82559
TESK2	2.64836	3.77372	3.32992	2.73696	4.219	2.41521	3.10113	2.20654	2.66646	1.43535	2.38664	1.69578	1.73297	1.54144	1.29661
TESMIN	0.0861685	0.128922	0.0787883	0.271071	0.169073	0.37458	0.0932063	0.124945	0.0331401	0.0683055	0.204786	0.0486757	0.172639	0.154069	0.0716441
TESPA1	0.318186	0.258705	0.341371	0.14858	0.208513	0.122766	0.261118	0.353471	0.0968787	0.0935991	0.21327	0.0747044	0.256615	0.119527	0.307017
TET1	1.33536	0.729494	0.721155	0.281198	0.281322	0.795725	0.818857	0.770427	0.0823453	0.369754	0.667861	0.155504	0.171379	0.29406	0.967544
TET2	4.35035	5.37098	4.98966	3.61456	2.34639	3.11518	3.81674	4.67302	5.74346	4.69616	4.3159	3.89531	4.46165	3.8194	2.92208
TET2-AS1	0.0920811	0.22183	0.25392	0.158154	0	0.0522706	0.14018	0.354614	0	0.0385237	0.0346494	0.131773	0	0.160419	0.0881601
TET3	5.40215	10.2694	11.7644	5.58801	10.636	6.04142	12.2339	8.31411	8.34406	5.11197	2.69585	7.0589	10.438	5.32282	3.46461
TEX10	2.8487	3.01414	3.18704	4.30514	1.73487	4.2313	2.74408	3.12222	3.59853	3.07859	3.89411	2.48341	4.55156	4.15987	2.73078
TEX101	0.106466	0.218012	0.264229	0.836587	0.496135	0.203972	0.0455848	0.0591363	0.243119	0.0835161	0.18028	0.685614	0.137383	0.159976	0.057337
TEX11	0	0.00355117	0	0.0455725	0	0.0251032	0	0.0065502	0	0.00925061	0.0166405	0.0105474	0.0285321	0.0192605	0
TEX12	0.303449	0.126712	0.133885	0	0	0.0516766	0.207881	0.107872	0.0246378	0	0.0228371	0.0868504	0	0.0634383	0.0290528

TEX45	0.0275677	0.026565	0.0228059	0.0284093	0.0214111	0.0117368	0.0629517	0.0244998	0	0	0.0155602	0.0197254	0	0.0144081	0
TEX46	0	0.0655922	0.0375403	0.0935278	0.140977	0	0	0	0	0	0	0	0	0	0
TEX47	0	0	0	0	0.0705577	0	0	0	0	0	0	0	0	0	0
TEX48	0.0316594	0	0.0261909	0	0	0.10783	0	0.0562726	0	0	0.0714791	0	0.0204265	0.0165466	0
TEX49	0	0.0337899	0	0	0	0.0298576	0	0	0	0	0	0	0	0	0.100716
TEX50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TEX51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TEX53	0	0.13738	0.196566	0	0.442905	0.0809281	0.217035	0.2534	0	0	0.053646	0	0	0.0248369	0
TEX9	1.70131	1.83342	1.18182	1.09746	0.181561	0.873611	0.756242	1.69666	0.711759	0.847609	1.0116	0.35312	0.377065	0.37332	0.298418
TF	1.71386	0.236757	0.297445	0.611369	0.195477	0.78579	0.424207	0.687007	0.0218946	0.0601697	0.0135296	0.192951	0.0193317	0.341382	0.240968
TFAM	2.03025	1.70717	1.63321	2.92289	0.57583	2.984	1.15657	2.43256	1.23368	1.69878	2.53032	1.10726	2.88124	1.85636	1.60331
TFAMP1	0	0.00501605	0.017225	0	0	0	0	0.00925219	0	0	0	0	0	0	0
TFAP2A	8.56147	16.7699	16.7366	20.2277	13.9775	20.5351	14.9994	15.444	12.9024	13.4785	11.9127	14.78	22.0736	12.8871	4.32618
TFAP2A-AS1	0.542942	1.9631	1.6456	1.21024	2.20102	0.962688	1.38013	1.23596	0.397173	1.08769	0.263537	1.09551	0.483236	0.818317	0.662688
TFAP2A-AS2	1.01633	2.40336	2.32922	1.57	1.37383	0.599945	1.69125	2.17822	0.396456	1.18814	0.358335	0.960245	0.471691	1.62972	0.597038
TFAP2B	1.05487	2.12578	1.5197	0.93001	1.83172	1.66664	1.34181	1.16205	0.830426	0.0906143	0.194697	0.353001	0.0621079	0.113199	0.0518418
TFAP2C	12.5449	24.6638	17.8425	23.3251	26.1745	18.2753	15.3471	15.9085	22.2239	17.2963	16.2316	19.3107	25.1834	14.4682	6.40365
TFAP2D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TFAP2E	0.994717	1.82021	1.39193	1.94112	2.67934	1.07225	1.08741	0.987471	0.979473	1.27504	0.597294	1.34778	2.36915	1.47669	0.942228
TFAP4	3.07132	2.19887	2.26347	4.90365	4.48524	5.29484	2.96344	2.57576	0.790251	1.05872	1.80682	1.40059	3.26545	2.02346	1.33567
TFB1M	0.829478	1.0625	0.92271	0.992721	0.478438	1.40906	0.742856	0.981282	0.44493	0.589303	1.15081	0.532327	0.66424	0.688588	0.682397
TFB2M	2.91556	2.20391	2.1118	4.08621	1.73103	4.65618	2.29324	2.0844	3.1405	3.69185	7.03607	2.30868	5.60151	3.095	2.08425
TFCP2	3.78139	4.07906	4.20534	5.41829	3.71588	5.67571	2.64595	3.54328	4.54459	3.29954	2.7286	2.9553	5.10053	3.50006	3.61439
TFCP2L1	24.0752	12.5808	6.41003	5.28307	5.79925	8.34842	11.1091	12.924	6.4439	2.56499	3.96977	4.95037	2.8172	2.38368	1.08091
TFDP1	9.48393	8.49327	8.20118	22.07	10.3151	25.4628	10.1322	7.68046	17.5557	15.8174	20.0256	13.6029	26.4775	15.6789	10.869
TFDP2	4.17591	3.48275	4.12133	1.80382	1.59168	3.59449	3.49612	3.3144	0.75599	1.35482	2.41909	0.749198	1.3399	1.33228	2.08772

TFDP3	0.0551025	0.00663731	0	0.0141962	0.0213983	0.0469191	0	0	0	0	0	0	0	0	0
TFE3	5.11827	6.03756	6.85918	10.9156	12.4832	17.6497	7.30681	4.41753	9.46868	10.8778	9.8066	7.78055	16.1998	10.4619	7.22529
TFEB	2.53008	1.69197	1.93205	2.02307	2.47109	4.04208	2.23179	1.30099	1.93744	1.70989	1.58569	1.32597	2.32576	1.81323	1.48257
TFEC	0.172836	0.0914392	0.112143	0.286377	0.0263209	0.337619	0.127689	0.207815	0.012382	0.421093	0.772789	0.0484975	0.345471	0.210773	0.5889
TFF1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TFF2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0171083	0
TFF3	2.45922	0.729978	0.762916	0.995618	1.46662	0.46741	1.95548	0.468333	0.0802248	0.826762	1.71031	0.361355	1.38834	1.3771	1.73434
TFG	9.65574	10.4333	10.4784	23.9063	5.45868	21.6637	9.16215	10.5367	23.079	25.2818	25.4089	16.0423	38.9537	18.2066	13.7725
TFIP11	4.44218	4.28086	4.30854	6.71677	5.48722	8.01327	4.02009	3.2904	6.03626	4.32981	3.51823	3.96604	7.9443	4.65754	4.24364
TFPI	4.00315	1.43688	2.16038	2.58596	0.425681	6.61593	1.53992	2.80316	0.359928	3.67553	5.84748	0.6267	4.48266	2.70724	4.90018
TFPI2	0.160979	0.068437	0.0940044	0.243961	0.0735457	0.459592	0.108118	0.0504933	0	0.52294	1.55001	0.0474289	1.01419	0.252404	0.217587
TFPT	2.31165	2.29202	2.43335	3.51664	5.6586	5.95939	1.87396	1.65622	3.16677	2.72907	5.47065	2.60106	3.50117	2.9809	2.69837
TFR2	0.124175	0.175748	0.218293	0.231938	0.482215	0.231291	0.398752	0.137945	0.812866	0.214296	0.359205	0.310976	0.0350511	0.133854	0.222913
TFRC	5.64255	6.19968	7.21351	27.7285	2.81075	7.3726	4.87057	5.04969	3.40142	7.93227	11.8469	3.28688	12.2723	8.45896	5.84385
TG	2.08077	0.587016	0.520937	0.237	0.263675	0.277418	0.965931	0.756717	0.016672	0.17525	0.040179	0.0568112	0.083023	0.0558059	0.106161
TGDS	1.19426	1.06144	0.949605	1.66087	0.324191	1.37231	0.582493	1.18501	0.720174	1.14965	2.12042	0.862818	1.34655	1.39984	1.06569
TGFA	1.98646	2.24885	2.51926	11.697	2.4293	2.81632	2.21818	2.58984	14.3916	14.8798	10.1431	5.83487	36.6298	7.54662	2.75516
TGFA-IT1	0.188155	0.158648	0.116741	0.484748	0.146135	0.240317	0.161122	0.167216	0	0.295192	0	0.201945	0.182095	0.540859	0
TGFB1	6.26492	5.93536	7.49478	16.8539	18.4402	26.8594	10.9224	6.36313	9.1827	16.8813	34.0653	10.1012	29.3351	23.4057	21.4987
TGFB111	5.66794	2.79066	3.6116	4.00049	8.13001	13.845	9.89838	3.08625	2.64335	7.0049	21.0294	2.48481	7.11378	7.31829	14.9795
TGFB2	0.562773	0.637024	0.84822	0.754734	0.496965	0.863204	0.70417	0.726238	0.469447	1.21432	1.99292	0.648147	1.02214	1.6862	2.18106
TGFB2-AS1	0.124648	0.0400383	0.0687453	0	0	0.106136	0.0948797	0.0369257	0.101205	0.156447	0	0	0.053615	0	0
TGFB2-OT1	2.86E-14	8.82E-23	4.93E-12	8.09E-20	4.96E-31	3.39E-08	2.56E-32	1.70E-15	5.50E-18	5.75E-08	1.65E-12	2.46E-11	2.89E-14	7.58E-19	9.70E-14
TGFB3	2.61876	1.49219	1.70804	2.25392	4.01347	12.083	2.55716	1.20254	1.00156	5.93675	9.83002	0.993235	4.31994	3.7311	12.0532
TGFB1	23.8279	34.7201	47.3827	53.6509	25.7604	87.7532	57.8031	23.8379	17.2832	83.2471	187.49	21.4181	92.2896	89.9341	190.721
TGFB1	5.75471	3.57216	3.73698	9.5151	2.76489	8.46863	4.36417	4.45262	5.5533	11.6509	13.0329	5.18822	14.3465	7.57578	11.6864

TGFBR2	26.4549	11.8333	14.2728	19.6104	13.178	43.3663	19.9513	14.9786	3.23028	17.4908	29.8697	7.76031	16.6049	13.0293	27.328
TGFBR3	13.2696	7.39802	9.29111	2.9137	4.76718	11.0613	17.3844	9.11663	1.12295	2.31452	4.06366	1.93299	1.61348	2.00051	6.11278
TGFBR3L	0.128982	0.248582	0.335352	0.0949426	1.1735	0.188274	0.336611	0.147379	0.381493	0.161886	0.520016	0.342792	0.14266	0.192605	0.0793862
TGFBRAP1	4.56758	3.09927	3.30833	3.48596	3.17405	5.5312	4.2806	3.55381	3.26502	2.10766	2.94417	2.27356	3.73491	2.43253	2.63978
TGIF1	3.10367	3.11226	3.04957	6.53543	3.73328	7.14584	2.45626	2.70848	2.63366	4.53527	7.17177	4.93457	5.17244	5.4988	4.4814
TGIF2	1.84568	1.74798	2.05576	2.28968	2.35252	4.4083	1.51964	1.65109	0.947843	1.23133	2.90524	0.534563	1.58596	1.70222	1.18308
TGIF2-RAB5IF	0.224726	0.36657	0.172638	0.0131524	0.295305	0.152718	0.0874053	0.0141621	0.0204913	0.0540723	8.84E-05	0.00203187	0.00820443	0.328263	0.00015042
															9
TGIF2LX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TGIF2LY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TGM1	10.634	14.359	13.1889	81.9491	42.4089	36.8787	12.3984	10.8726	177.284	95.3726	69.0066	97.878	155.571	71.7371	21.7586
TGM2	2.85297	0.147718	0.0915887	8.34185	2.45393	28.0607	0.709826	0.276253	0.0933471	4.54276	6.4797	0.179762	8.77508	4.74252	6.23754
TGM3	18.8896	16.9447	16.8856	32.5537	20.5731	10.3352	28.0823	15.735	141.507	10.4491	18.1816	41.5935	9.47669	11.3184	2.70658
TGM4	0.162055	0.17847	0.178752	0.0636201	0.131858	0.0394251	0.0881093	0.281184	0.0939834	0.532704	0.0435572	0.0773033	0.672154	0.108896	0.22165
TGM5	4.53325	6.71785	5.02336	5.36979	15.1227	2.56385	6.69433	3.88756	59.9365	9.41645	13.7094	14.4829	6.08177	4.7473	1.59756
TGM6	0.30292	0.0535155	0.0167064	1.20705	0.266639	0.26653	0	0.0538419	0.0491896	0.0253463	0.0455945	0.252872	0.0195442	0	0
TGM7	0.01001	0	0	0	0.0310979	0.0255701	0	0.00889603	0.256011	0.0251271	0.0113	0.0143248	0	0	0
TGOLN2	13.3906	13.2269	13.4087	15.864	14.2419	22.3412	16.26	13.9946	7.4895	11.815	12.3429	8.51944	18.1446	13.5552	16.9802
TGS1	2.86049	2.91902	2.83652	4.27067	1.76088	4.0092	1.92746	2.86306	2.43343	2.59447	2.94125	2.16038	6.48344	3.09004	2.89073
TH	0.0363503	0.0291902	0.0300716	0.0374601	0.0564646	0.0412691	0.179849	0.0215368	0.0885413	0.197701	0.24621	0.121378	0.359614	0.493955	0.226216
TH2LCRR	0.124559	0.397897	0.249417	0.154034	0.193483	0.128721	0.287441	0.405591	0.0303398	0.0312669	0.0281223	0.232439	0	0.172548	0.192038
THADA	3.92209	4.22002	4.34302	4.88302	2.73052	3.15504	3.93671	4.20805	2.24396	2.3933	2.76054	2.50101	2.78399	3.54386	3.11788
THAP1	0.779623	0.751268	0.742145	1.69489	0.696753	1.57321	0.695047	0.654899	0.689358	1.80957	2.70057	0.8253	2.5426	1.42892	0.782212
THAP10	0.40701	0.24513	0.430237	0.34953	0.263428	0.452458	0.232356	0.281335	0.192769	0.24123	0.306309	0.0889859	0.233423	0.147723	0.113656
THAP11	5.89007	5.02549	5.33964	6.39867	13.3618	6.80202	6.26274	3.84961	10.6705	5.02083	8.22832	4.77643	5.45493	5.83614	3.31306
THAP12	6.71873	4.20313	5.04269	6.22589	2.03049	6.85129	3.13191	5.82057	4.00887	4.96441	7.53101	2.21957	4.82427	4.03189	5.86523

THAP2	0.0908508	0.214259	0.150316	0.364642	0.163405	0.268718	0.098271	0.182729	0.273703	0.366087	0.561377	0.390037	0.527548	0.384859	0.267814
THAP3	0.784395	0.916494	0.937148	1.00337	2.20112	1.32504	0.709214	0.674775	0.587991	0.795427	1.58608	0.604325	0.768921	0.927214	0.65982
THAP4	7.35826	5.96018	5.80644	10.1551	10.9026	14.7328	7.95683	4.8979	10.5787	7.59381	8.38543	6.75809	11.0216	7.3053	5.99343
THAP5	1.98509	1.53914	1.71294	1.47289	0.322584	2.17396	0.906603	2.04102	1.5324	2.3305	3.28898	1.07512	1.81672	1.25457	1.91225
THAP6	1.37082	1.30596	1.30587	1.19328	0.290368	1.2424	0.865583	1.65205	0.524884	1.00364	1.20751	0.616754	0.780594	0.740877	1.17077
THAP7	3.46593	3.63628	3.94627	3.64848	6.1046	6.49223	4.11001	2.45089	3.17713	2.45566	6.77331	2.17337	3.41436	2.79595	2.63145
THAP7-AS1	0.600745	0.384239	0.377156	0.660039	0.423112	1.01638	0.742039	0.484342	0.322555	0.175983	0.483645	0.225129	0.311602	0.153508	0.326472
THAP8	0.519926	0.928714	0.818276	0.810232	1.98951	1.64127	1.04248	0.586036	1.0502	0.795806	2.74856	0.789411	0.760907	0.715792	0.655621
THAP9	0.822721	0.559493	0.566025	0.483685	0.10097	0.481439	0.415898	0.621506	0.492467	0.566979	0.621631	0.288043	0.398081	0.326404	0.55171
THAP9-AS1	5.30744	3.91968	4.61242	3.317	0.491727	2.99913	1.73487	3.63465	1.61012	3.14597	4.51299	3.2696	3.58422	2.18893	2.25753
THBD	14.4414	13.6231	13.5994	13.7821	13.0975	24.9697	22.7278	9.19217	28.0528	18.0174	23.6958	24.7078	36.6406	22.2592	18.4646
THBS1	15.4553	5.71158	7.44359	38.0184	14.5822	136.546	11.521	9.22604	8.37047	43.5804	74.1314	12.1881	172.801	67.4449	153.439
THBS2	10.5503	17.9708	24.6669	10.402	32.1226	82.1748	29.4209	18.3748	6.57074	33.8477	58.0174	15.8809	59.8439	42.0579	130.538
THBS3	3.88743	4.42862	4.68824	3.3516	5.90842	5.40788	7.28328	3.10747	2.02297	3.29362	4.95568	3.34086	2.63872	4.55592	9.44166
THBS4	12.0023	3.16427	4.83872	4.20433	4.10063	1.53359	6.14774	1.49782	0.139533	0.0319548	0.0646674	0.346128	0.234079	0.146371	5.12688
THCAT155	0	0.00559492	0	0	0.00601257	0	0.00441947	0.00687995	0	0.00485815	0	0	0	0.00202301	0.00555885
THCAT158	0.119294	0.186803	0.0986885	0.030734	0	0.126972	0.272412	0.185533	0.0363217	0	0.033667	0.0426791	0.0769679	0.358503	0
THEG	0	0.0504555	0.129947	0.107917	0.027111	0.23778	0.0597828	0.139599	0.0212561	0.109528	0.0788103	0	0.0788254	0.0364874	0
THEG5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THEGL	0.0473596	0.251004	0.195896	0.0488054	0.0735658	0.20163	0.180245	0.0420893	0.0192262	0.0792549	0	0.0225914	0.112039	0.0330029	0
THEM4	1.66043	0.808645	1.13666	0.977782	0.514453	1.51292	0.730735	1.09779	0.272536	0.836973	1.65211	0.44513	1.58529	1.08535	1.42689
THEM5	12.5632	22.7823	19.6508	5.63335	41.3511	13.2199	31.5289	19.8662	103.545	5.19168	15.0744	25.5988	3.39872	3.48805	1.34652
THEM6	2.82455	2.19502	1.89811	2.8937	6.4719	4.26	2.4873	1.50172	2.49171	1.93369	3.45037	2.04475	3.34547	1.88749	0.797006
THEMIS	0.273059	0.220928	0.289826	0.175208	0.19207	0.11406	0.147061	0.238093	0.050197	0.0323318	0.0523443	0.0442372	0.206093	0.07001	0.347754
THEMIS2	1.64822	0.765483	0.632563	4.87673	2.37549	7.80574	1.18345	1.17788	0.269026	3.97742	7.33705	0.620069	4.25369	1.86496	5.55158
THG1L	1.34045	1.35949	1.38461	2.07587	1.16188	2.23861	0.997769	0.901684	1.28076	1.34778	2.12349	1.00682	1.14198	1.3818	1.05293

THNSL1	0.411296	0.61521	0.599251	0.803421	0.276532	0.538387	0.196252	0.501915	0.149526	0.531628	0.457372	0.267938	0.372304	0.548632	0.731729
THNSL2	0.219744	0.899946	0.165262	2.81007	5.21318	2.88319	2.54318	0.346196	0.0243294	1.45423	0.112756	2.96599	1.80445	1.67052	1.93652
THOC1	3.42779	3.29786	3.67559	4.47742	1.40744	3.67164	1.40845	2.75528	2.51278	2.61696	3.36429	2.36675	3.89494	3.00107	3.32363
THOC2	5.67644	5.77013	5.85629	5.78172	1.99931	5.43759	3.12754	4.84311	4.42128	4.63404	4.90379	3.59822	5.02517	4.92447	4.35449
THOC3	5.62121	4.49501	3.91889	12.1965	9.56287	16.5798	6.74241	3.84908	6.08881	8.11977	10.8945	10.2201	14.4697	12.0028	3.11264
THOC5	4.25214	3.41728	3.35778	4.84092	4.90809	7.16973	4.43278	2.82301	4.12448	3.18524	3.87047	2.87416	6.10507	4.03185	5.12906
THOC6	3.37358	4.38758	4.85113	8.57108	8.62953	9.6342	4.62807	2.44418	3.37712	4.04659	8.02939	3.44703	5.89368	4.35719	3.47098
THOC7	8.29381	7.12841	6.93615	13.0259	2.86918	12.1967	3.9698	6.67886	10.4317	10.6823	17.0901	7.91694	10.3986	8.07317	6.42363
THOC7-AS1	0.481431	0.59647	0.512066	0.141751	0.213665	0.234247	0.314104	0.5501	0	0.0431603	0	0.0984218	0.0221869	0.215671	0.148156
THOP1	2.67822	2.61083	2.73087	7.77564	6.37161	9.22796	3.97223	1.73967	3.57603	4.43353	3.02338	3.70535	10.1153	5.38046	2.824
THORLNC	0.151758	0.109679	0.0627723	0	0	0.19383	0.086636	0.0337174	0.046206	0	0.0428289	0	0.0979133	0	0.0544858
THPO	0.0423478	0.0612114	0.0963409	0.0763711	0.115116	0.225366	0.0604391	0.0658615	0	0.0265754	0.0956107	0.0681771	0.0409838	0.027666	0.28888
THRA	5.97543	4.77421	5.7522	3.48798	8.43416	8.92342	7.04361	3.94701	2.02488	2.44937	3.19034	1.91716	2.81614	2.14024	3.81722
THRA1/BTR	0.190739	0.0919012	0.105195	0	0	0	0.0362967	0.282522	0	0	0.0358868	0	0	0.0664592	0
THRAP3	16.9207	13.9656	14.6682	27.9596	14.4598	28.3616	13.4059	13.6414	14.9908	18.54	14.4671	13.2779	29.1863	15.8519	16.9056
THRB	1.77737	2.51661	2.21029	1.75186	2.31557	1.97231	2.33702	2.03817	4.29784	0.975068	1.42392	1.91583	0.434655	0.792585	0.732821
THRB-AS1	0.523007	0.718179	0.584102	0.323384	3.69647	0.445333	0.418007	0.325363	0.254785	0.22975	0.059041	0.654894	0.0168721	0.0956712	0.0751104
THRIL	1.79687	2.18526	2.3157	3.85469	1.37702	2.15402	2.01591	1.76379	1.91079	2.11555	2.20915	2.0808	4.80761	2.93683	1.13599
THRSP	0.254966	0.103947	0.227151	0.424442	0.0913961	0.2171	0.403078	0.139441	0.0477723	0	0	0	0	0.0717534	0.140832
THSD1	3.08613	1.74799	1.73133	2.74259	3.30356	2.72659	1.8665	1.43391	2.69249	3.22172	3.41499	2.19529	3.97155	3.01159	3.23093
THSD4	3.53836	6.13434	3.24411	3.86909	6.15617	3.75722	2.76155	3.6749	2.00066	0.983125	0.867622	1.8044	1.47497	1.66449	1.19545
THSD4-AS1	0.194014	0.213666	0.160502	0.0856871	0	0	0.0949365	0.123159	0.0337553	0	0	0.0793268	0	0.115886	0.119412
THSD4-AS2	0.843926	1.45965	0.662352	0.412545	0.924359	0.221105	0.667085	0.682703	0.039531	0.081478	0.0122139	0.247734	0.0209422	0.271429	0.388457
THSD7A	0.8199	0.487743	0.560711	0.975614	0.896606	1.50983	0.51425	0.608187	0.159767	0.664086	1.07119	0.248744	0.660186	0.686768	1.67987
THSD7B	0.0418088	0.0183128	0.0125771	0.00783366	0.318813	0.0388359	0.034717	0.0135113	0.0138868	0.00954078	0	0.0163174	0.00490451	0.00198646	0.0545842
THTPA	1.64381	1.92167	1.74636	2.02387	4.04512	2.40892	2.05465	1.4455	1.33816	1.14016	1.61149	1.65285	1.37875	1.45147	2.00039

THUMPD1	5.21658	4.0933	4.26871	4.51251	1.64458	5.29081	2.85777	5.26642	3.83695	4.03162	4.18891	2.23956	4.7783	3.47317	3.42475
THUMPD2	2.44636	1.58655	1.68066	2.05871	0.499659	1.41272	1.14046	2.24182	1.52578	1.2218	1.90161	1.65353	1.52376	1.44669	1.03332
THUMPD3	3.93667	4.15765	4.50257	5.32121	2.32134	5.61968	2.61585	3.74659	3.9162	3.86516	4.92235	2.87501	4.80815	4.30035	2.9896
THUMPD3-AS1	1.36588	1.70283	1.92797	0.888532	0.636503	0.559706	1.02343	1.45665	1.08133	0.968577	1.68762	0.977321	0.387789	0.959257	0.821407
THY1	4.02837	1.64233	2.06504	9.29018	16.5708	20.459	4.02944	2.93239	2.43908	14.34	41.8086	2.77154	10.352	9.8042	44.7977
THYN1	3.85426	3.31735	4.02912	5.65095	2.99349	7.84663	2.76042	2.63129	1.62158	3.23232	6.72423	1.90541	2.41893	2.48138	3.09468
TIA1	3.72653	4.08732	3.97919	3.88681	1.29414	3.60642	2.52103	3.78599	2.02433	3.52848	5.12412	2.40214	2.66913	3.6572	4.61501
TIAF1	0.532304	1.11037	1.43863	1.1892	1.89858	0.841569	1.26575	0.83448	0.31663	1.12848	0.0811406	1.46199	0.33243	0.602702	1.12917
TIAL1	7.14354	7.23975	7.41127	8.71789	4.14213	8.7614	6.50264	7.37911	8.28882	7.97096	10.2901	6.52583	10.9258	8.70716	8.07367
TIAM1	7.19408	9.32121	8.49034	14.1397	13.1259	7.76797	9.46804	6.72045	22.9826	10.7377	5.31528	12.6524	15.5825	7.42368	3.66401
TIAM2	0.460893	0.222958	0.184162	0.0685978	0.296257	0.226511	0.338456	0.248916	0.0211565	0.15795	0.148388	0.0347651	0.174222	0.103898	0.994535
TICAM1	1.69194	2.85526	3.39725	7.21095	5.78462	6.45766	2.88315	2.47083	7.414	4.98343	6.58419	4.93986	16.6268	5.72784	3.65087
TICAM2	0.428585	0.197728	0.125966	0.216392	0.294678	0.70046	0.282443	0.586769	0.0835639	0.658971	1.24874	0.113871	0.287695	0.427373	0.628662
TICRR	0.433781	0.232411	0.229666	1.17299	0.269524	1.49517	0.48339	0.209716	0.109886	0.692526	0.611126	0.474262	1.17994	1.05921	0.608012
TIE1	2.77229	1.83137	1.75493	4.76151	7.95355	8.86804	2.54817	1.43591	0.990957	3.91717	5.57678	1.87136	6.38214	5.83523	11.8022
TIFA	2.23673	2.41664	1.96253	2.59218	2.05892	2.15464	2.33026	1.84727	11.0248	2.64664	4.76093	2.17703	1.71524	1.13359	1.42766
TIFAB	0.12726	0.262781	0.375993	0.693193	0.254157	0.10836	0.166058	0.129254	0.287834	0.0912707	0.0615686	0.117074	0.398806	0.0285049	0.208869
TIGAR	0.574004	0.454161	0.363126	2.36031	0.54634	1.33461	0.382304	0.492623	2.38507	2.39791	2.00111	1.43348	3.53098	1.83382	1.30521
TIGD1	1.87193	1.99955	2.0307	1.01914	0.603496	0.977406	2.00625	1.71855	0.408643	0.454377	0.608036	0.688662	0.290546	0.775298	0.64672
TIGD2	1.92026	0.973344	0.697872	1.69292	0.275869	1.52166	0.93783	0.956863	1.20313	0.794088	1.17785	0.595664	1.33921	0.788968	0.446339
TIGD3	0	0.0170153	0.00973833	0.0363931	0.109713	0.170398	0.0403214	0	0.0860192	0.0147746	0.159465	0.0421146	0	0.00615238	0
TIGD4	0.0468104	0.022554	0.0774497	0.00964789	0.0436276	0.0558018	0.0213786	0.00832023	0.011402	0.0705022	0.0211372	0.0602893	0.0483229	0.0146791	0
TIGD5	1.81345	2.05261	2.30191	3.08502	6.37904	4.46081	1.91716	1.12559	2.65263	1.86661	1.81969	1.97725	3.0396	1.97581	1.66733
TIGD6	0.771621	0.613798	0.734205	0.702765	0.528618	1.01268	0.674113	0.770366	0.347039	0.402237	1.02514	0.354813	0.589728	0.4905	0.405502
TIGD7	0.870395	0.650185	0.747961	0.45196	0.251539	0.867524	0.377486	0.821505	0.197217	0.431893	0.563643	0.11104	0.339556	0.412589	0.494185
TIGIT	0.561422	0.349398	0.445096	0.216961	0.145347	0.192545	0.169156	0.457366	0.0474825	0.0685069	0.237666	0.050214	0.301855	0.158938	0.470326

TIMD4	0.0507152	0	0.0279701	0.313581	0.0525188	0.187128	0.270223	0.0150238	0	0	0.0381675	0	0.0109071	0.0353413	0
TIMELESS	1.12436	0.874942	0.712376	3.83471	1.91286	4.14866	1.16659	0.634436	0.825954	1.37759	1.08794	1.23869	2.97367	2.13836	1.12774
TIMM10	7.27942	3.88785	3.60755	9.62476	5.81374	13.7708	4.46934	3.8755	7.36005	9.05022	23.6061	5.97025	8.13051	6.10162	3.84634
TIMM10B	6.75074	5.75974	6.17751	5.83232	2.4666	7.91152	7.1778	6.72319	2.92567	4.34375	6.65551	2.81429	5.27498	4.63479	4.37382
TIMM13	6.66396	7.08463	5.98246	13.6864	16.0156	18.5662	9.09467	4.59436	8.75936	11.8369	22.8383	8.73031	12.6862	10.5895	5.6709
TIMM17A	5.31495	3.58247	3.38134	9.48808	2.16692	9.22939	2.96254	3.57051	8.56272	9.48971	18.9604	5.22038	12.5917	7.50232	4.86825
TIMM17B	4.43926	4.22711	4.56013	7.08984	5.13092	11.2504	4.70828	3.4591	6.99516	6.62797	11.1865	4.10976	5.85053	4.49735	3.50493
TIMM21	2.82122	2.20251	2.38383	4.18223	1.14831	4.75308	1.67088	1.72961	2.00276	2.93499	5.04119	2.25615	3.73781	3.65075	3.01164
TIMM22	2.72201	2.62301	2.65856	4.4857	5.01053	5.84033	3.45018	2.2699	4.00148	3.31105	4.91378	2.56543	5.09073	2.76381	2.89311
TIMM23	8.03818	6.79231	6.83483	16.1725	5.01245	17.3809	7.25418	5.87272	13.2334	13.5143	23.5771	9.03518	21.0681	12.9406	9.14505
TIMM23B	5.16246	4.68315	4.59869	2.73105	3.36446	2.2882	4.70898	4.39664	1.60632	1.8576	2.66199	3.49449	1.54172	3.94921	3.86516
TIMM29	2.57145	3.30162	3.20439	3.82646	7.47056	4.17124	2.72987	2.04854	4.07787	2.98764	4.14725	2.43466	5.1403	2.71539	2.45416
TIMM44	4.08475	3.90274	3.77168	6.34399	6.81236	8.5327	4.13535	2.56067	4.83384	4.56036	5.05531	3.80868	7.89891	5.41882	3.25716
TIMM50	2.04003	1.76192	1.47409	3.45879	2.45886	4.51212	2.38242	1.4444	2.03608	2.00799	3.83663	1.82614	3.5855	2.33593	1.58645
TIMM8A	2.08877	1.88314	1.79158	2.93168	1.63224	2.13864	1.49238	1.67411	3.58953	1.2706	2.43029	1.81549	1.88508	1.76812	1.08579
TIMM8B	7.65	6.04921	6.52871	15.7854	5.4084	12.0381	5.65011	4.63563	16.0402	19.325	44.4166	10.6221	13.5869	11.4059	4.0352
TIMM9	4.83952	2.76859	2.93775	6.12306	1.21086	5.56075	2.68647	2.81598	3.41772	3.34822	5.33855	2.56573	3.72152	3.48562	3.25895
TIMMDC1	7.68529	8.09176	8.26877	17.6514	10.7193	16.4526	7.26535	5.71968	16.2249	13.9308	26.2568	10.4055	15.3723	10.5466	8.97152
TIMP1	18.3426	9.21513	13.4186	139.713	27.0404	202.223	24.6932	12.5292	4.27708	59.5525	174.009	7.21313	92.8998	40.2085	68.5772
TIMP2	47.8184	28.5219	38.8883	33.4351	58.1186	144.218	91.2007	43.0204	9.54687	64.38	162.837	11.3447	65.4343	59.3725	186.633
TIMP3	56.4782	21.6895	30.5226	6.15151	15.0979	28.0755	48.3733	26.6262	10.0237	9.6523	11.6722	6.89123	10.0108	6.88782	30.5161
TIMP4	2.49429	0.143395	0.164138	0.350514	0.198128	1.38775	0.550163	0.667534	0.01726	0.0533624	0.479956	0	0.128013	0.0962905	0.407059
TINAG	0	0	0	0	0	0	0	0	0	0.0161014	0	0	0	0	0
TINAGL1	10.2576	3.29485	4.5241	4.42279	14.3417	11.8702	5.68792	3.85925	1.58166	7.25857	13.5726	1.92383	7.68521	8.01239	20.1516
TINCR	2.26285	9.46598	10.4421	5.2708	12.7599	4.46592	8.11902	5.15155	10.0345	3.64934	4.45108	4.05891	3.70395	2.86755	0.658851
TINF2	6.86229	8.13046	8.07237	22.4283	11.5821	18.8297	9.03406	5.86299	18.2264	20.3011	18.3071	12.7043	23.8005	13.0767	11.8048

TIPARP	6.02085	8.43468	10.8117	8.46871	2.18586	5.47007	6.65177	7.22401	12.0233	8.63666	8.58235	12.1345	12.4749	9.82225	4.179
TIPARP-AS1	0.686872	0.791001	1.22634	0.44512	1.49219	0.368503	0.900466	0.549196	1.52539	0.811803	0.502112	1.27963	0.865376	0.796073	0.17538
TIPIN	1.12099	0.914704	0.807704	1.63966	0.140426	1.6627	0.9909	0.819491	0.41838	1.15734	2.53092	0.517483	2.15811	1.30405	0.778977
TIPRL	3.13519	2.91327	3.25365	5.06993	0.750073	4.40956	2.50896	3.88092	3.69899	4.55862	7.23652	2.36849	4.64164	4.15866	2.91459
TIRAP	1.82537	2.19872	2.30363	1.84271	2.69076	2.63276	2.17985	1.53119	1.40644	1.34422	1.76624	1.17949	1.64039	1.25093	1.63172
TJAP1	2.89896	2.26431	2.23144	2.47881	3.5312	5.7715	2.31776	1.71139	0.702736	1.30009	2.28374	1.01476	2.15746	1.92933	3.29469
TJP1	11.9341	10.4296	10.4242	17.0836	9.39511	16.9731	10.6128	9.84796	27.1631	17.4079	12.5152	15.0967	26.2689	13.7496	12.43
TJP2	6.09424	7.40527	7.78651	13.387	14.1689	11.1624	6.58584	6.07792	26.598	13.9983	8.97375	14.337	27.209	13.3506	7.62566
TJP3	1.0548	1.30397	1.81409	0.393321	3.029	0.839056	2.3532	0.844906	4.86804	0.513874	0.282016	0.536259	0.0940232	0.0797909	0
TK1	1.77603	1.68511	1.84222	9.39061	2.80123	9.81812	2.54257	1.59053	2.29612	5.62419	10.8729	3.56801	9.10536	5.75501	3.59046
TK2	3.28837	2.28209	2.50199	2.5338	2.636	5.46516	3.01398	2.18177	0.85425	1.96896	3.50783	1.20074	2.0973	2.3119	2.81077
TKFC	2.06976	2.31536	2.2717	3.13203	3.83193	4.50635	2.23039	1.65717	1.51806	0.944417	1.2664	1.4915	1.25035	1.42142	1.0239
TKT	13.1818	9.79361	9.13282	42.281	17.87	41.908	11.228	6.84925	12.6242	27.881	24.714	16.7741	37.8588	27.1745	13.4881
TKTL1	0.071848	0.00769277	0.0132084	0.00822683	0.0372016	0.0475826	0.127608	0.0141895	0.11667	0	0.0180239	0.0171364	0.00515067	0.0166893	0
TKTL2	0.0247873	0.00796192	0	0	0	0.00703535	0	0.0220289	0	0	0	0	0	0.00863661	0.0118659
TLCD1	1.85609	2.04941	2.11129	1.65373	2.67291	2.28833	4.12806	1.44334	7.29954	1.28612	3.25206	2.2688	2.03332	1.15196	0.971823
TLCD2	1.10316	1.28091	1.06534	2.68252	2.36767	3.11003	0.797664	0.813469	1.44926	1.66327	0.95542	1.32324	2.43423	1.77586	1.13639
TLDC1	3.43631	4.46716	2.45456	8.04941	9.27081	6.22398	2.19543	2.19944	9.82099	9.12226	6.56386	7.47497	10.7084	8.81109	3.78794
TLDC2	0.429535	0.360261	0.646332	0.184999	0.444911	0.341272	0.423017	0.387281	2.77E-16	0.0699845	0.206413	0.0613545	0.0129603	0.316313	0.660361
TLE1	5.1324	3.71063	4.0338	3.11832	6.22379	6.41528	4.32021	2.83282	3.44771	2.87461	3.57316	3.30951	4.06286	3.34936	3.62534
TLE2	3.19647	2.19314	2.21658	1.67932	3.57788	11.5007	3.30971	1.61533	0.524783	1.05214	1.94571	0.392404	1.27886	1.87125	3.26288
TLE3	8.21948	10.5489	9.1646	27.9205	26.7339	20.7997	10.7663	9.66785	14.7081	13.403	9.54838	10.8827	24.6859	8.24791	9.97093
TLE4	2.3767	3.77557	4.19043	3.47296	2.85017	3.67696	3.56663	2.40041	3.2145	2.96239	3.74878	2.3027	3.62038	2.79112	2.06916
TLE6	0.154493	0.0744371	0.0596435	0.0636838	0.111991	0.368337	0.035279	0.0274601	0.0250873	0	0.116269	0.0147392	0.0531616	0.0915108	0.0443743
TLK1	5.7742	5.41827	5.96721	5.94649	3.64141	6.45224	3.39938	5.75218	7.65861	6.93911	6.8735	5.92156	9.59949	5.42414	4.36941
TLK2	4.54961	4.28612	3.85758	4.71267	2.935	4.98648	3.05063	3.86947	2.72994	3.93775	4.48233	2.68994	4.39671	3.84785	3.82588

TLL1	0.901677	0.362752	0.403738	0.478403	0.508475	1.14025	0.465486	0.449594	0.0181211	0.332413	0.423277	0.0894301	0.268799	0.251959	0.542756
TLL2	0.00341797	0.0329366	0.00848275	0.0246562	0.0690207	0.0291035	0.0507328	0.00607521	0.333016	0.0557687	0.0655938	0.00489129	0.0507209	0.0125047	0.0539949
TLN1	20.635	14.37	16.0538	30.017	27.7227	51.2253	25.7222	13.7199	7.536	18.9215	17.889	10.3865	34.1321	19.3954	34.8521
TLN2	2.539	1.14484	1.01571	0.722715	1.32082	2.4106	1.83963	0.971087	0.203244	1.03979	0.735617	0.30563	0.594759	0.498401	1.47793
TLNRD1	3.47411	2.36463	2.44104	6.63661	7.47026	11.0059	2.66751	1.3887	3.1225	5.32193	6.87606	2.86032	11.9024	7.38183	6.83028
TLR1	1.26781	0.754385	1.15014	2.48818	0.351316	1.89382	0.692008	1.42317	0.263649	2.44938	4.80615	0.194849	2.2248	0.498284	2.74124
TLR10	0.0464021	0.0419198	0.0815726	0.107592	0.0630687	0.00493885	0.0397353	0.0773219	0.0282563	0.0436796	0.23572	0.0249015	0.0711037	0.0212203	0.249897
TLR2	1.34429	0.522152	0.690769	8.08616	0.772704	2.85404	0.547682	0.894702	0.245218	3.56026	4.47906	0.224578	2.91911	0.99971	2.50888
TLR3	1.05784	1.18437	1.26546	0.956807	0.106393	1.34138	0.964506	1.16331	0.101954	0.238794	0.644335	0.185144	0.373172	0.14319	0.5574
TLR4	2.40197	0.812043	1.2055	3.20551	0.41664	4.70749	2.00203	1.90698	0.30716	3.12526	4.81749	0.257802	2.71977	1.29931	4.90985
TLR5	0.818983	1.02178	0.933273	1.73269	0.471796	0.748154	0.606879	0.891729	0.819081	0.912183	1.76946	0.586004	0.608889	0.581109	0.537452
TLR6	0.659731	0.384732	0.431664	0.72744	0.226787	0.632682	0.347126	0.533586	0.130858	0.905845	0.925384	0.16161	0.84261	0.445364	1.15657
TLR7	0.278162	0.0897697	0.0966399	0.21987	0.180628	0.292116	0.393711	0.290967	0.0282308	0.320028	0.601852	0.0364892	0.302105	0.086486	0.532634
TLR8	0.281778	0.0666018	0.0879649	1.41355	0.0908432	0.792223	0.157828	0.30712	0.01295	0.947544	1.83053	0.0304332	1.19372	0.247302	1.19874
TLR8-AS1	0.0145645	0.00701742	0	0	0	0.0124015	0.0166293	0.0129437	0	0.01828	0	0	0.0469848	0.0456724	0.0627495
TLR9	0.0956819	0.0893207	0.138521	0.0431388	0.23223	0.0560119	0.0887627	0.106293	0.00728311	0.0525396	0.0270032	0.0599051	0.0463001	0.0812622	0.128823
TLX1	0	0.00523506	0	0	0	0	0	0	0	0	0	0.0077744	0	0	0
TLX1NB	0	0.00735775	0	0	0.0118605	0.0195045	0	0	0.0185982	0.00958327	0	0	0	0.00399062	0
TLX2	0.0322626	0.0932677	0.0266899	0.0554126	0.46774	0.0183141	0.0859516	0.0669021	0.0785845	0.0134976	0.0971213	0.0384746	0	0.073068	0
TLX3	0	0	0	0.0319485	0.0240785	0	0	0	0	0	0	0	0	0.0405076	0
TM2D1	2.94399	2.766	2.92257	3.47209	1.52435	2.7853	3.24931	3.43036	1.8724	3.03812	5.77902	1.49796	2.52204	2.2909	2.34886
TM2D2	1.92594	1.71195	1.89825	4.51313	2.01418	3.63703	2.19171	1.82459	2.07464	3.2629	6.50809	1.96022	5.26568	2.62774	3.30447
TM2D3	3.53737	3.5895	4.44277	4.48491	2.098	5.55857	3.19437	3.09609	3.3029	3.04057	6.24402	2.45439	3.10531	3.17097	2.60164
TM4SF1	24.6622	9.16584	11.039	54.7793	10.4382	36.3471	8.87571	9.98582	13.0844	157.791	75.8895	34.0688	195.782	31.6159	31.1529
TM4SF1-AS1	0.14915	0.0958168	0.0822581	0.0512343	0.11584	0.126999	0.198677	0.0883679	0	0.249597	0.224495	0.124507	0.336807	0.025984	0
TM4SF18	0.619113	0.670461	0.614609	0.917526	0.366361	0.994086	0.397201	0.534496	0.617571	1.63551	3.70085	0.485182	1.17933	1.03852	2.15931

TM4SF19	0.0712672	0.843577	0.309784	0.398672	0.826328	0.307701	0.399354	0.214246	5.01375	6.39578	10.2942	7.25904	7.69308	10.664	1.58748
TM4SF19-AS1	0.29962	0.505536	0.187051	0.141105	0.611954	0.221182	0.242123	0.272331	0.155498	0.699884	0.331158	2.18879	0.284145	1.75511	0.329251
TM4SF19-TCTEX1D2	0.190506	0.16377	0.0143345	0.42677	1.61673	0.26641	0.0815275	0.0776694	1.23993	2.43002	1.68616	1.49951	0.932471	1.89027	5.50E-05
TM4SF20	0.0766961	0.0877642	0.0237932	0.0296391	0.0148919	0.00816322	0.0328384	0.0852014	0.0116759	0	0.0108225	0.00685976	0.024742	0.0400847	0
TM4SF4	0	0	0	0.0148411	0	0	0	0	0	0	0.0162574	0	0	0.0075268	0
TM4SF5	0	0.0157495	0	0	0	0	0	0	0	0	0	0	0	0	0
TM6SF1	1.25535	0.521926	0.770513	0.907661	0.267338	0.784447	0.48548	0.683788	0.184945	0.927569	1.90856	0.253535	1.05163	0.624356	1.30852
TM6SF2	0.0156056	0.022557	0.0387301	0.112574	0.242408	0.45179	0.0534538	0.0138689	0.0950291	0	0.193784	0.0334986	0.0906177	0.21206	0.201704
TM7SF2	6.66391	9.54874	7.78502	8.34215	26.8105	8.17289	14.7222	6.4234	115.238	14.6596	40.7299	23.8414	5.95964	5.90802	2.69877
TM7SF3	4.77462	5.65621	5.41348	12.4877	4.84233	7.35969	5.3785	4.33327	6.37308	6.50094	6.4908	5.10167	7.51574	4.85438	3.81112
TM9SF1	5.76337	5.78127	6.04067	9.9828	7.85243	9.69002	7.63069	4.00068	8.94244	8.11234	10.4485	6.02265	11.67	6.84973	7.51707
TM9SF2	16.8223	13.9106	14.9461	24.372	8.25348	23.4958	15.1102	16.9807	23.5348	26.2455	35.4833	16.9646	34.5746	17.8285	19.9891
TM9SF3	14.1346	10.8746	12.6005	15.8013	3.89352	15.5273	7.75505	15.5396	14.6574	15.2094	18.8156	9.09692	20.3403	12.4758	12.9264
TM9SF4	7.37407	9.13088	8.76868	12.9263	11.8339	13.0849	10.6514	7.48966	15.3756	8.19884	10.7274	10.2496	12.0557	7.86411	7.28361
TMA16	2.8597	2.52315	3.17429	3.82986	0.899666	4.3871	2.45228	3.53875	1.82222	2.27166	3.74585	1.83898	2.74813	2.96398	2.85923
TMA7	44.4502	30.0297	29.6425	83.2686	28.5115	68.5986	24.6927	31.1707	57.2463	68.1603	132.745	46.11	52.3391	40.9578	29.2249
TMBIM1	25.9859	30.7385	30.9972	48.5984	41.479	57.3378	35.1887	24.7571	32.0336	57.4416	53.1338	37.9826	112.228	36.7797	23.0095
TMBIM4	7.94933	5.34432	6.01228	8.9778	1.63324	6.61127	5.11858	6.09942	7.10624	8.81702	18.4431	5.09268	7.8423	6.29842	5.50896
TMBIM6	47.4	42.3439	45.8353	86.9038	36.7412	88.968	48.5328	41.4803	74.5048	76.1531	93.5218	56.4884	112.823	54.7465	46.872
TMBIM7P	0.0269419	0.0064905	0.0557205	0	0	0	0	0.0119718	0.0164061	0	0	0	0	0.00704049	0
TMC1	0.0289198	0.0034835	0.0119622	0.275675	0.0898448	0.0554058	0.00825492	0.0449776	0.00880526	0.027223	0.0734554	0.0517322	0.00932945	0.0113361	0.093448
TMC2	0.0730295	0.0703735	0.102706	0.0225777	0.05672	0.0870571	0.0416914	0.0389415	0	0.00916595	0	0.0313527	0.0376946	0.00763368	0
TMC3	0.059139	0.0241663	0.0394601	0.0050787	0.0640246	0.109105	0.053886	0.0131394	0.0900308	0	0.0667605	0.0282103	0	0.00601312	0.0212328
TMC3-AS1	0.193396	0.112051	0.0768184	0.0664334	0.288279	0.0548914	0.133065	0.190971	5.76E-29	0.0809106	0.0970311	0	0.0554569	0.0299352	0.0925803
TMC4	1.48317	0.79102	0.956894	0.547935	0.796938	3.02619	1.0118	1.03626	0.0795242	0.280986	0.284317	0.106792	0.0962952	0.199887	1.39322
TMC5	0.2133	0.381722	0.545125	0.804669	0.201164	0.421623	0.226143	0.382512	0.6448	0.0191224	0.0859961	0.149896	0.0663526	0.0179164	0.0711113

TMC6	2.84647	4.18895	3.85855	8.5211	13.4449	9.96505	2.80843	2.53659	3.21234	7.22292	4.83742	6.99573	7.55576	5.09776	4.37671
TMC7	0.253879	0.203871	0.169495	0.564569	0.456629	0.322365	0.127136	0.219297	0.303771	1.48141	0.591916	0.407931	1.87069	1.07519	0.937561
TMC8	1.08933	1.24906	1.43841	0.798764	3.0344	1.93091	0.962721	1.03327	0.771772	1.50526	2.11062	1.1317	0.80758	0.684293	1.47416
TMCC1	2.68876	2.70103	2.5742	3.0635	2.47429	3.08326	2.60116	2.47185	5.36497	3.49865	3.03876	2.54456	4.16863	2.99768	2.48707
TMCC1-AS1	0.0727977	0.0860933	0.0656982	0.10912	0.01028	0.135243	0.0604495	0.047052	0.00805995	0.0664499	0.0747087	0.042618	0.00853977	0.0484238	0.104547
TMCC2	0.454734	0.559398	0.604302	0.219352	1.27746	0.519012	0.430826	0.408429	1.0605	0.789318	0.961144	1.15958	0.380785	0.510725	0.298738
TMCC3	2.23623	2.52924	2.18862	3.32396	1.92521	2.61089	2.26763	2.17936	4.25141	3.91033	3.89364	2.3269	6.29217	2.83869	2.1283
TMCO1	4.26187	3.28314	3.54211	6.6237	1.77052	6.35913	3.16863	4.03867	4.67142	6.15765	9.77898	3.97496	7.78865	4.33062	4.49791
TMCO2	0	0	0.0258375	0	0	0	0	0	0	0	0	0.0223475	0	0	0
TMCO3	4.51196	3.71796	3.64386	6.99183	7.90424	9.36778	3.49053	2.67522	4.80102	8.3304	12.3817	3.4107	9.63734	5.99519	7.97211
TMCO4	1.50242	1.07897	1.19576	1.34269	1.6191	2.49272	1.32492	0.911865	0.342155	0.87386	0.965232	0.58267	0.916817	0.934192	1.38582
TMCO5A	0	0.0190203	0.0571509	0	0	0	0.0225364	0.0438542	0	0	0	0	0	0	0
TMCO5B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMCO6	1.58647	2.17062	1.94361	2.22147	3.04749	2.24799	1.65928	1.17314	0.899698	0.94239	1.98232	1.61175	1.44552	1.5697	0.834822
TMED1	2.33167	2.10942	2.51375	4.98466	5.60623	7.76205	2.60559	1.80766	2.79439	4.46756	8.1765	2.15646	5.33737	3.68831	3.8651
TMED10	21.032	16.5107	18.0367	32.7126	9.26489	30.3531	16.0686	22.4934	22.4111	27.8974	38.7282	20.052	34.4685	20.5631	19.0323
TMED10P1	0.413166	0.434083	0.351295	0.325249	0.258499	0.395781	0.327597	0.438585	0.118809	0.288092	0.34981	0.332585	0.329514	0.263925	0.436778
TMED11P	0.217102	0.313809	0.287363	0.0447459	0	0.0369719	0	0.308707	0	0	0	0.0310684	0	0.181547	0
TMED2	30.3881	23.7342	24.3368	48.8319	14.5469	45.9185	22.8844	29.6185	40.0099	49.1748	77.73	27.9208	68.0738	36.9257	35.9422
TMED3	4.72114	4.46134	4.0897	6.61765	8.25311	9.74148	6.4636	3.4242	13.6101	8.40215	16.0532	6.73068	8.61028	5.34564	3.71984
TMED4	6.55986	6.90214	7.34544	6.56461	6.89135	7.48751	7.25228	5.41108	7.60905	6.70489	10.4585	6.02921	6.79858	6.09579	5.90555
TMED5	1.99813	1.4477	1.69014	2.72236	0.621917	3.0459	1.35004	2.4475	2.13272	3.5739	4.38874	1.63855	5.08666	2.73787	2.7621
TMED6	0.443165	0.462634	0.244411	0.177603	0.229463	0.335421	0.281106	0.328207	0.209893	0.216307	0.111173	0.105699	0.127079	0.321691	0.353578
TMED7	5.93815	3.93411	4.40357	7.4192	1.48157	6.48695	4.67205	8.27584	6.07612	8.52573	13.8349	4.43953	12.7361	6.5397	7.01422
TMED7-TICAM2	0.504066	0.558055	0.673625	1.27059	2.19591	1.39466	0.38563	0.355732	0.303484	1.46713	2.52733	0.535562	2.55418	1.11276	1.49198
TMED8	2.12385	1.73654	1.82384	1.9032	1.06682	2.54064	1.97356	1.9824	1.1703	1.73847	1.66462	1.13149	2.28632	1.82187	1.67839

TMED9	10.5527	8.61701	8.43553	22.2908	21.6441	25.1913	10.2912	6.18373	19.0397	26.4002	38.7716	13.1852	29.0139	16.5041	12.2927
TMEFF1	6.09E-08	0.0677914	2.17E-06	2.65E-06	0.170774	1.41E-08	0.0841158	7.60E-07	2.58E-06	0.170242	0.303857	0.0433351	1.71E-07	0.0190627	0.232887
TMEFF2	0.0440363	0.0077154	0.016559	0.00412551	0	0.013635	0.0137125	0.0249046	0	0.00502455	0.00903844	0.00286446	0.00774872	0	0.00574924
TMEM100	1.83167	0.312854	0.481044	0.269656	0.255919	2.19505	0.674985	0.465097	0.0472121	0.218947	0.426675	0.0901479	0.343906	0.516645	0.389706
TMEM101	2.66599	3.62944	3.51939	5.54153	7.59512	6.11464	3.2771	1.90553	3.38505	3.9014	7.38943	2.4271	5.18224	3.05948	2.06912
TMEM102	0.978335	2.02169	2.6079	2.99099	4.12005	3.31365	1.53902	0.956409	3.5083	2.59225	2.50335	2.09229	3.35946	2.48274	1.18646
TMEM104	0.984396	1.30314	1.43521	2.10423	2.57375	4.83832	2.54836	1.21699	1.00896	2.05512	2.70664	1.64583	3.41774	2.14455	2.5055
TMEM105	0.0139458	0.0369561	0.0403793	0.0574862	0	0.676856	0.0477686	0.0743632	0.00849221	0.0262551	0.0944584	0.0449037	0.0179955	0.0291547	0.010014
TMEM106A	0.826289	0.819655	0.890358	1.24507	1.5208	1.72051	1.96614	1.09225	0.101478	0.714625	1.16009	0.2981	0.685437	1.27379	2.24368
TMEM106B	4.08575	3.43045	3.30949	2.96197	0.789181	3.70584	4.02807	5.38025	4.65142	3.65649	5.25	2.08456	3.45447	1.97014	2.78587
TMEM106C	3.65801	3.99543	4.15945	8.29027	3.78055	6.34119	4.4761	2.62923	7.95162	10.8652	14.7409	5.18264	13.0136	5.53747	4.03943
TMEM107	1.47338	1.98964	1.69151	2.33435	1.21439	1.96292	1.68225	1.56774	3.45453	2.95627	5.67999	4.4393	2.12756	1.67107	1.09396
TMEM108	0.116856	0.174271	0.179533	0.0573445	0.121012	0.236908	0.330379	0.0840706	0.013554	0.0349205	0.0502537	0.0716688	0.122068	0.0668906	0.319657
TMEM108-AS1	0.0494933	0.0381546	0.131022	0.0306025	0.0307521	0	0.0904157	0.0527826	0	0.0124238	0	0.0212483	0	0.0258673	0.127941
TMEM109	15.9327	10.5577	12.6354	15.7599	19.3445	29.3279	17.4389	9.16413	7.67197	10.0472	21.2353	6.85124	16.0886	9.04635	11.1066
TMEM11	4.09939	3.85782	4.67297	6.92316	5.11125	6.66595	4.47705	2.87557	8.66608	6.1088	10.4163	4.71868	7.91703	5.0016	3.54416
TMEM110-MUSTN1	0.119037	0.0486384	0.245844	0.462084	2.85409	1.28873	1.23196	0.238998	0.515614	0.031691	1.48937	0.253864	0.335544	0.3872	1.06445
TMEM114	0	0	0	0	0	0	0	0	0	0.0774584	0.0464455	0.0147195	0	0	0
TMEM115	7.64439	8.39361	8.87367	10.6896	16.9879	14.2974	9.5984	5.64505	15.3777	8.58236	14.3909	6.18905	12.1094	7.43632	8.53516
TMEM116	1.57678	2.54873	3.9869	0.576584	0.513559	1.39674	2.62788	2.12457	0.588491	0.398996	0.889993	0.345747	0.28715	0.265837	0.42002
TMEM117	3.64239	4.11594	3.25583	5.51108	3.09265	3.02916	2.92523	3.11361	6.01496	5.94691	5.54049	5.19587	5.57637	4.16223	2.03917
TMEM119	8.96247	1.88253	2.21865	1.87194	12.7639	5.04141	5.66438	3.31244	0.678292	11.2703	30.6814	1.20165	6.00367	6.77997	26.9361
TMEM120A	3.30825	3.04625	2.91927	5.71238	4.77343	7.83732	4.85167	2.49582	5.04978	7.19715	11.984	4.25033	8.11097	4.86434	4.18094
TMEM120B	1.19726	1.48206	1.36935	1.40434	2.60814	2.12469	1.69047	1.13903	0.868678	0.863228	0.873188	1.42908	1.49544	1.59664	2.00873
TMEM121	0.44649	0.16732	0.225725	0.268404	0.982533	0.517467	0.283215	0.165335	0.0453145	0.326895	0.924058	0.0709945	0.288073	0.27873	0.427477
TMEM121B	0.182624	0.0879911	0.139749	0.216429	0.226943	0.664771	0.198089	0.105496	0.0389228	0.120336	0.298932	0.0294013	0.114883	0.0524961	0.196703

TMEM123	33.5929	19.5587	20.1055	34.6184	9.70327	27.8464	16.6052	33.1259	34.2153	26.6277	43.0018	15.8583	27.289	16.479	13.0353
TMEM125	1.40261	1.18561	1.09927	1.16649	5.23663	0.911442	2.2898	1.07157	10.9836	2.53253	3.38898	3.5038	3.23879	1.09317	0.494746
TMEM126A	4.66822	2.78086	2.90226	6.06444	0.791057	6.81758	2.19662	2.69039	4.30709	6.67582	12.0408	2.38877	5.45796	5.05708	3.2505
TMEM126B	2.43421	1.51166	1.62592	2.34129	0.658204	2.52562	1.67788	1.73066	1.83366	2.81756	5.37371	1.12891	2.29183	1.72929	1.92918
TMEM127	10.6621	9.15253	9.70397	13.8227	16.0061	18.5129	14.4172	9.36794	27.1178	11.3393	18.6571	8.7899	18.0267	9.42794	11.5636
TMEM128	2.82903	2.43586	2.73044	2.79393	1.34275	2.97765	2.58707	2.53749	2.31291	2.87675	6.75686	1.62127	1.69007	1.93036	1.58
TMEM129	4.503	4.52001	4.69023	6.03595	12.0127	7.60589	4.13544	2.79117	3.17921	3.32754	4.53077	2.70834	4.54218	3.86702	2.99912
TMEM130	0.0681393	0.0363807	0.0567469	0.0156682	0	0.0774257	0.0172424	0.013421	0	0.0189539	0.0340954	0.0216769	0	0.00394635	0.0216877
TMEM131	7.9269	9.16968	8.51202	9.84217	6.69514	10.8499	7.18882	9.08542	13.9613	9.45052	10.4786	10.3914	10.3434	8.1147	7.09562
TMEM131L	3.38456	3.11264	2.61682	4.67583	1.84079	4.60161	2.37443	2.39729	2.51026	4.88456	4.15388	4.27598	7.22054	4.56445	3.21172
TMEM132A	1.51876	1.26712	0.984473	6.41638	7.94557	3.54371	0.960871	0.490818	1.19308	2.65713	3.39931	1.15258	8.47554	3.25068	5.41035
TMEM132B	0.237921	0.39619	0.588748	0.167758	0.233415	0.142166	0.657679	0.365391	0.12963	0.120494	0.193192	0.0671996	0.0807924	0.118894	0.122887
TMEM132C	0.566062	0.211879	0.394754	0.0482102	0.196205	0.270873	0.347192	0.274401	0.0569752	0	0	0.0133895	0.00905505	0.0146702	0.0403109
TMEM132D	0.00801213	0.00193018	0	0.0165135	0.031114	0.0477556	0.036592	0.014241	0.00487894	0.0603363	0.0090447	0.00859934	0.0180929	0.0188437	0.0287661
TMEM132D-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMEM132D-AS2	0	0	0	0.0152296	0	0	0	0	0	0	0	0	0	0	0
TMEM132E	0.0598656	0.0240368	0.0536522	0.0102822	0.0852427	0.195403	0.0968329	0.0443363	0	0	0	0.0142785	0.00321875	0.0677915	0.121797
TMEM134	16.9689	20.3147	18.8714	26.7106	42.2892	28.5799	20.439	12.6867	40.9029	18.4111	36.37	19.5986	14.7981	12.9186	5.65345
TMEM135	1.45536	1.09418	0.891913	1.08479	0.340488	1.38897	1.17569	1.35682	0.85364	0.719776	1.09912	0.510645	0.608455	0.69669	0.827248
TMEM136	0.425309	0.38735	0.42908	0.277942	0.257816	0.494638	0.302022	0.28118	0.0758018	0.214825	0.644065	0.111337	0.0903537	0.561135	0.908749
TMEM138	3.28686	3.5939	3.47965	4.52872	3.34269	4.25289	2.88623	2.42605	1.82723	3.31801	6.21703	2.65764	3.41981	3.24116	3.71852
TMEM139	0.804898	0.533849	0.493442	0.690333	0.513152	0.828246	0.389823	0.424075	0.24587	0.138209	0.207182	0.124754	0.272348	0.172657	0.171321
TMEM140	4.70139	3.498	3.48066	5.6896	5.67512	12.4123	5.05107	2.76316	1.49939	4.39145	5.36499	2.14129	5.41833	3.30828	4.04297
TMEM141	9.6834	7.87565	7.51988	17.4563	17.3042	14.2168	9.60872	6.06481	19.8088	21.362	36.722	11.2519	12.5128	11.4189	6.50782
TMEM143	0.831703	0.910348	0.934842	0.568291	1.02511	1.54723	0.980578	0.650772	0.473431	0.374433	0.78581	0.452798	0.279971	0.477208	0.882841
TMEM144	0.955575	0.981313	1.07326	0.740358	0.357541	0.979955	0.740636	1.22116	0.620118	0.385191	0.755895	0.519043	0.39152	0.466616	0.350594

TMEM145	0.0390271	0.0689474	0.10762	0.0402185	0.0202075	0	0.0445598	0	0	0	0	0.0093083	0.0251801	0.0135982	0.168143
TMEM147	14.0631	14.1981	15.3403	24.9606	21.2495	32.7004	21.8286	9.53863	34.0211	23.5442	50.7637	19.2681	28.3493	18.1057	9.90897
TMEM147-AS1	1.12373	1.85045	1.76511	0.542369	1.98858	1.44131	1.39672	1.20094	0.32915	0.321355	0.192691	0.661565	0.22026	0.854942	0.592412
TMEM14A	2.30518	1.91343	1.3028	3.95141	2.16262	5.14999	2.05867	1.27787	1.13966	4.78386	10.4348	2.48229	4.57967	3.04179	2.49109
TMEM14B	6.15015	4.17073	4.48494	5.82406	2.56212	7.62112	5.02201	4.27756	4.42249	5.42422	11.4895	3.29361	3.82782	3.47496	3.61744
TMEM14C	12.8095	9.37514	10.1292	15.451	9.78227	23.2586	11.4645	9.24527	17.0729	16.3955	39.0013	9.29113	9.74898	11.107	11.5361
TMEM14EP	4.59997	4.25157	5.10845	2.63766	1.52916	1.35641	3.06543	4.40621	0.305181	2.26894	1.41438	3.13772	0.404186	4.78958	5.11526
TMEM150A	2.07007	1.93737	2.18067	2.86993	3.3312	5.19915	1.88743	1.37647	1.77747	1.70094	3.44643	1.86481	2.47902	2.12489	2.26709
TMEM150B	0.212105	0.102196	0.0584895	0.534308	0.402689	0.541815	0.215267	0.0837785	0	0.147897	0.399068	0.016863	0.197671	0.209394	0.30461
TMEM150C	1.44123	0.61108	0.551104	0.613897	0.507447	2.75982	0.680164	0.853901	0.226234	0.651204	1.10634	0.256665	0.516599	0.502168	0.791123
TMEM151A	0	0.0176295	0.0151348	0.00942671	0	0.0467336	0.0522213	0	0	0.034443	0.030979	0.00654525	0.0590189	0.033466	0.0131369
TMEM151B	0.0400832	0.0241409	0.0207248	0	0.00778289	0.072527	0.0228829	0.0222641	0.0122042	0	0	0.00358508	0	0	0.0215867
TMEM154	11.2621	24.6938	26.4978	21.1502	9.36735	7.98412	13.9022	21.463	49.5089	26.4096	20.0166	24.556	30.3604	18.1434	5.98378
TMEM155	0.00842178	0.00405774	0	0	0	0.0143421	0	0	0.0307703	0	0.0285214	0.00602601	0	0	0.0967579
TMEM156	0.0358993	0.057656	0.0593968	0.0246635	0	0.0305677	0.0409886	0.116982	0.0291475	0.0450573	0.0135086	0.0256869	0.046324	0.0312709	0.103112
TMEM158	0.398374	0.473859	0.638529	2.28361	0.580137	1.04943	0.440637	0.221276	0.62163	2.79688	5.04524	0.39194	4.48194	2.44644	2.02028
TMEM159	8.32715	11.9645	14.2296	7.79287	8.38145	11.0249	10.733	8.53966	6.86185	9.30397	10.4211	6.2427	11.7134	4.52871	2.9683
TMEM160	6.07726	4.86884	6.22596	9.61266	19.8132	16.9381	8.06839	4.05072	9.55299	7.40585	24.929	4.85407	6.58822	5.68769	3.24752
TMEM161A	1.97609	2.42911	2.54645	4.36002	7.00485	5.7597	2.51657	1.91379	1.8667	2.11453	5.01921	2.28407	3.42442	3.05864	2.92887
TMEM161B	1.45136	1.31561	1.43266	1.32836	0.47382	0.749867	1.0055	1.73583	0.850842	1.14854	1.41625	0.785026	1.23797	1.18796	0.897325
TMEM161B-AS1	0.399305	0.352717	0.399153	0.222893	0.155065	0.623339	0.246953	0.266152	0.202629	0.250584	0.525893	0.166666	0.161018	0.173912	0.119469
TMEM163	0.0489024	0.0647953	0.101139	0.163785	0.227887	0.0312298	0.0558352	0.130381	0.193562	0.322232	0.841872	0.0612342	0.591592	0.146961	0.386265
TMEM164	3.23427	4.58601	4.74436	4.56064	7.48173	5.40205	6.60693	3.29457	7.02523	3.67129	3.01806	2.86076	4.64869	2.97994	2.60318
TMEM165	12.0839	10.6246	8.7896	37.427	23.4588	24.3148	6.89214	9.70969	42.6715	26.8248	51.6239	16.4318	26.2567	23.3421	15.3386
TMEM167A	5.82234	4.72087	5.16726	7.26874	1.37151	7.55246	4.70643	6.92761	7.74229	7.87122	9.84766	4.66784	9.55412	6.77426	7.14433
TMEM167B	6.33243	5.37063	5.96103	5.73947	1.68626	6.85893	4.14951	5.7886	3.93755	5.41049	8.28523	2.22331	6.03467	3.66731	4.54147

TMEM168	2.52345	3.33831	3.42143	2.51982	0.962924	2.35928	2.13408	3.46965	1.998	2.03155	2.83805	1.5883	2.4038	2.20736	2.1672
TMEM169	0.0267472	0.0451053	0.0387226	0.0620186	0.114256	0.0512436	0.0458087	0.0475414	0.0407189	0.117497	0.332137	0.0287076	0.0517716	0.174741	0.192062
TMEM17	1.14212	0.712485	0.606691	0.867258	0.205424	1.07487	0.370622	0.769282	0.497824	1.25241	1.69647	0.645174	0.98511	0.590641	0.345313
TMEM170A	1.1082	1.28511	1.42798	1.63415	1.43714	1.67958	1.0752	1.46192	1.55629	1.78438	2.57065	1.34072	2.25552	1.73012	0.981215
TMEM170B	0.613444	0.433409	0.525689	0.209779	0.162376	0.580897	0.452283	0.52073	1.33005	0.466104	0.689396	0.330678	0.195233	0.149523	0.39901
TMEM171	0.786059	0.237811	0.0756144	1.09264	0.596313	1.21411	0.480057	0.113723	0.75696	0.665371	0.866727	0.771729	1.33277	0.4586	0
TMEM173	8.01147	5.64864	5.37843	16.5877	11.2718	33.6624	5.66314	4.96719	3.10336	8.9233	19.1891	6.80536	14.9045	10.6214	16.1138
TMEM174	0.0526577	0.0507425	0.0435621	0	0	0.0112093	0	0	0	0	0	0	0	0	0
TMEM175	2.86832	3.40294	3.77873	3.09761	6.92738	6.06403	3.8021	2.3658	2.6439	1.51646	3.18254	2.5514	1.86964	2.07925	3.44213
TMEM176A	4.32539	1.70805	2.72981	8.63916	8.58901	8.48611	6.9242	3.82423	0.325845	5.31687	21.1925	0.462644	5.16427	1.79453	12.0714
TMEM176B	4.61528	1.86381	2.72562	9.07243	12.4942	9.23402	9.13797	3.5208	0.552341	4.41982	13.1758	0.687195	6.74729	1.83351	16.7236
TMEM177	0.548946	0.537997	0.588301	1.13784	0.746114	1.16855	0.733604	0.471226	0.334277	0.391468	0.929538	0.348151	0.804948	0.459697	0.223965
TMEM178A	0.758789	0.335129	0.3034	0.130326	0.333954	0.484574	0.360983	0.292218	0.046206	0.0317453	0.142763	0.0542933	0.0489567	0.125582	0.671992
TMEM178B	0.381443	0.0823863	0.063474	0.0677738	0.0783206	0.158663	0.180215	0.167549	0.0160191	0.0275144	0.0148483	0.00784289	0.0381887	0.026352	0.0787069
TMEM179	0.0190165	0	0	0	0.0295392	0.0539743	0	0	0	0	0	0	0	0	0
TMEM179B	7.88079	8.98539	9.77036	13.0435	10.8927	18.948	11.7	8.02641	10.1796	6.70313	17.9645	7.39428	7.83007	7.31863	7.82583
TMEM18	1.80152	1.42065	1.56849	1.49147	1.3625	2.2837	1.65246	1.54107	1.02717	0.931532	1.85469	1.3711	1.10573	1.24659	1.31783
TMEM181	5.62174	4.92762	5.30698	6.43855	2.89085	6.82426	4.92053	5.25528	3.7654	4.27335	6.14293	4.08694	6.3274	5.51999	5.46241
TMEM182	0.112517	0.0884521	0.0832842	0.17698	0.064392	0.352973	0.0878997	0.0947331	0.0576983	0.230413	0.240666	0.0847465	0.0802373	0.148564	0.119066
TMEM183A	2.9797	2.20218	2.43586	1.6839	1.13669	2.0173	1.78551	2.44867	1.22434	1.01313	1.89718	0.951156	2.19145	1.49106	1.17321
TMEM183B	8.44091	7.27292	7.72392	13.6552	9.95063	11.2012	8.64756	5.53118	13.4476	14.9107	23.6965	9.17159	15.2193	10.4867	7.134
TMEM184A	2.32689	6.54189	4.89252	7.96529	19.117	7.03825	6.40791	3.29888	14.9873	11.93	4.88078	14.2341	16.1758	8.85926	3.59905
TMEM184B	4.88761	4.05424	4.83824	8.34551	7.87956	13.1152	5.38973	3.29887	6.38866	9.81215	12.9282	6.10199	19.9913	11.7871	13.3444
TMEM184C	3.51855	3.22181	2.96875	4.74104	2.64812	4.58017	2.40864	2.98172	3.5078	3.80062	5.6856	2.57332	5.59	3.49889	3.86807
TMEM185A	4.0581	4.2316	4.08803	5.97976	6.78045	6.21584	4.12046	3.09412	12.1186	6.66264	9.02686	6.13942	8.33296	4.13622	3.03224
TMEM185B	3.70647	3.62988	3.41447	6.14514	4.16521	6.65053	3.59558	3.10004	3.1233	4.08946	5.08609	3.22935	8.6025	4.02303	3.72775

TMEM186	1.93392	1.89438	1.81142	2.8659	2.60681	3.22536	1.3139	1.09372	2.6278	1.44432	2.16511	1.22366	2.09334	1.71243	0.504972
TMEM187	1.04123	1.42477	1.52751	1.8742	3.32104	2.95531	1.41076	0.703272	1.87679	1.35912	2.74264	1.69866	1.00321	0.769124	1.01683
TMEM189	7.00527	7.80081	7.63095	10.3156	12.8091	10.8637	6.99381	6.96343	7.51139	7.41655	9.63913	6.16509	9.04134	6.45015	4.08048
TMEM189-UBE2V1	2.65853	2.761	2.59115	5.38986	4.17166	5.47947	3.08837	1.98378	2.83523	3.83077	8.42068	2.20165	3.89265	2.81612	1.38879
TMEM19	4.46167	7.02842	6.93811	5.87791	4.75412	4.31518	3.35264	7.23267	5.6819	4.01593	6.92682	3.37731	2.94276	2.45131	1.7981
TMEM190	0.153012	0.20274	0.28481	0	0.23768	0.0651438	0.349408	0.407953	0.0931756	0.192046	0	0.218968	0.0493613	0.239912	0.274681
TMEM191A	0.251934	0.2362	0.388157	0.198376	0.474884	0.304499	0.40219	0.0926373	0.40438	0.445554	0.745639	0.119523	0.573897	0.317053	0.0848732
TMEM191B	0.391743	0.326256	0.255327	0.357731	0.241944	0.197878	0.0116927	0.433089	0.278536	0.409065	0.735551	0.196923	0.141741	0.350683	0.0249148
TMEM191C	0.125803	0.140712	0.110057	0.0128557	0.196854	0.0957331	0.0325033	0.0486461	0.10191	0.115108	0.131121	4.74E-05	0.11518	4.14E-09	0
TMEM192	2.02856	1.65462	1.52483	1.53868	0.919722	2.83205	1.46375	1.68842	1.50491	1.32472	2.08656	1.10151	1.76059	1.10058	0.931653
TMEM196	0.0170924	0.00823536	0	0	0	0.00485131	0.00650517	0.0151903	0	0	0	0	0	0.00297774	0
TMEM198	0.215451	0.263845	0.200516	0.471811	1.01795	1.49056	0.297244	0.21559	0.459192	0.360551	0.486435	0.41752	0.220096	0.384731	0.515692
TMEM198B	3.29199	5.02389	4.68573	1.69506	4.26361	3.50017	4.71667	3.72135	1.2335	1.12967	2.07054	1.59824	0.71331	1.75006	2.75572
TMEM199	2.8745	2.44054	2.56045	3.9017	2.70646	3.82477	2.7448	2.24754	3.95745	2.89731	3.40264	1.95158	4.40174	2.36686	1.94266
TMEM200A	0.405583	0.344969	0.465628	0.507529	0.623582	2.11791	0.311871	0.367805	0.312502	0.971348	1.83141	0.174715	1.18557	0.469374	1.81872
TMEM200B	1.19243	0.796834	1.12357	0.569338	2.09632	2.97015	1.40429	0.611883	0.23316	1.09864	1.99443	0.256889	1.3915	1.1467	1.83142
TMEM200C	0.098272	0.0777875	0.162595	0.130207	0.338011	0.376548	0.0961747	0.0187148	0.0256466	0.0352404	0.0950887	0.0301355	0.244561	0.102722	0.151212
TMEM201	1.3549	1.43687	1.60961	1.74625	2.11563	3.09958	2.24576	1.19784	0.517009	0.69265	1.08624	1.10616	1.90356	1.29978	1.22439
TMEM202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMEM202-AS1	0.338529	0.177936	0.178217	0.222004	0.478047	0.419277	0.491936	0.109402	0.262366	0.115879	0.277932	0.176165	0.0397122	0.0965072	0.397775
TMEM203	6.51456	5.83332	6.17678	8.56807	11.7597	8.39658	6.57203	3.87295	13.5132	6.36568	10.3092	5.02318	8.4735	4.8118	3.52442
TMEM204	4.33782	1.94991	2.46587	3.9333	7.07692	8.99666	2.90525	1.98138	1.04774	4.50151	12.0232	1.45654	4.52645	4.67358	7.09968
TMEM205	6.63018	6.9229	7.53996	8.02965	10.0491	16.5865	8.87602	5.92411	4.6577	3.8804	12.4072	3.46535	4.46223	4.51132	4.05509
TMEM206	0.798409	0.748576	0.758682	1.53438	0.837976	1.35967	0.702176	0.565729	1.27459	2.22084	2.44814	0.864645	3.23696	1.99619	1.41003
TMEM207	0	0.00770606	0.0529248	0.0329642	0	0	0	0.0284279	0	0	0	0.022888	0	0	0
TMEM208	6.07598	4.52215	4.69955	9.92675	7.63487	11.8825	6.48616	3.44623	7.27954	9.11397	23.3372	4.02941	7.99976	6.35114	5.63989

TMEM209	3.04415	1.7348	1.91041	2.9412	0.723264	3.32343	2.08039	2.67939	1.13652	2.2198	2.7842	1.10845	3.59582	2.10843	1.72101
TMEM210	0	0.0218641	0.0750806	0	0	0	0	0	0	0	0	0	0	0	0
TMEM211	0.131794	0.139701	0.109029	0.0271635	0.327555	0.0897768	0.391244	0.163979	0	0	0	0	0	0	0
TMEM212	2.74928	2.43775	2.70692	1.80591	0.384679	0.631145	1.79398	2.93741	0.407852	1.0236	0.332327	1.79324	0.225985	1.75108	1.4578
TMEM212-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMEM213	0.618948	0.397163	0.691096	0	0.582624	0.4256	0.543632	0.72199	0.00831435	0	0	0.0097696	0	0.00713603	0.0490212
TMEM214	6.62314	6.80423	7.60148	13.0387	11.1039	18.0011	10.6045	5.87256	10.4583	10.1759	12.9683	7.86034	15.8012	10.0025	13.3274
TMEM215	0.00859857	0.00828584	0.0284534	0	0.00667827	0.0146431	0.00981757	0.0191042	0	0	0	0	0	0.011235	0
TMEM216	1.7182	1.63881	1.69699	2.927	1.17107	2.65732	1.50136	1.29327	0.491113	1.56237	4.2751	0.765249	1.6063	0.97131	1.30931
TMEM217	0.092519	0.165726	0.181819	0.576042	0.160539	0.278566	0.217373	0.136221	0.849124	0.754817	0.459037	0.364892	0.504665	0.460195	0.0583829
TMEM218	0.968374	1.08781	1.07114	1.68192	0.870419	1.61206	1.16777	0.908959	2.18647	1.01739	1.74416	1.37801	1.03547	0.909869	0.789109
TMEM219	14.8727	14.1979	17.0183	22.632	33.3582	31.5414	17.616	10.047	18.0286	14.916	35.5664	13.0951	11.0008	10.8606	12.7422
TMEM220	1.43833	1.30645	1.54786	0.888112	0.443701	1.58143	1.14393	1.4139	0.189345	0.430003	0.873881	0.349694	0.395942	0.563485	0.904083
TMEM220-AS1	0.137226	0.0930006	0.158494	0.0180254	0.112642	0.180099	0.213723	0.0302465	0.0498899	0	0.0768401	0.0365282	0.0655838	0.106726	0.0733155
TMEM221	0.131903	0.132884	0.13888	0.0370719	0.242145	0.0612622	0.177985	0.149195	0.014604	0.0451506	0.0270732	0.0858004	0	0.0313357	0.0861045
TMEM222	5.19002	4.17176	4.11809	9.56555	8.1976	12.0998	5.92582	3.48153	6.57918	6.98381	12.6192	5.84713	11.7603	5.87499	4.42555
TMEM223	2.49461	2.67759	2.84016	3.6907	3.83662	4.90021	3.29947	1.93164	1.20323	2.01499	5.66009	1.6259	3.39431	2.50431	1.45431
TMEM225	0.0209061	0	0.017295	0	0	0	0	0.0185796	0	0	0	0	0	0	0
TMEM225B	0.778421	0.620284	0.643965	0.2314	0.186024	1.79725	0.700765	0.412417	0.200545	0.0751537	0.456269	0.257068	0.086925	0.234713	0.300976
TMEM229A	0	0	0	0	0.0422269	0	0	0.0080531	0	0	0	0	0	0	0
TMEM229B	0.327591	0.199119	0.283514	0.358367	0.696749	1.21875	0.35677	0.349363	0.0675178	0.0948832	0.193439	0.0721231	0.198353	0.113264	0.390846
TMEM230	4.51693	4.1152	3.46496	9.14043	1.88803	8.40555	3.82576	4.04345	3.79076	6.5763	12.0986	3.70796	7.503	5.73868	8.72778
TMEM231	1.6663	1.44156	1.64192	1.30505	1.04684	2.74939	1.50511	1.19128	1.74976	0.910911	1.53828	0.964423	0.907851	0.735411	1.75488
TMEM232	0.130506	0.174666	0.125958	0.104603	0.0563113	0.0432149	0.0662255	0.109539	0.0264903	0.136499	0.106401	0.0311268	0.0140336	0.0303147	0.0624743
TMEM233	0.0450692	0.00723835	0	0.131595	0.035004	0.166295	0.111494	0.0200269	0.0274446	0.037711	0.152633	0.0214988	0.0775425	0.0981465	0.204963
TMEM234	1.33986	2.37443	2.52087	1.69864	3.36463	1.75491	2.63479	1.63565	0.733191	2.01386	1.5132	1.5151	1.43144	1.84323	1.90212

TMEM235	0	0.00447639	0	0	0	0.00791088	0	0	0	0	0	0	0.00485571	0	
TMEM236	0.0572795	0.0327089	0.0438756	0.0896354	0.0263629	0.0614176	0.0605555	0.115008	0.0361719	0.13047	0.134113	0.0121437	0.0424315	0.0665262	0.0731206
TMEM237	5.58592	5.78526	5.4982	3.42659	2.07099	3.10137	3.80104	4.22563	2.26932	2.28826	3.36829	2.0861	2.236	2.17649	1.98968
TMEM238	2.27235	1.86968	1.50388	2.70199	8.30849	1.72651	1.79619	0.745654	4.47053	1.44796	1.77591	1.45083	1.30822	0.913563	0.602472
TMEM238L	0.105883	0.218641	0.262782	0.249407	0.0234962	0.270475	0.431764	0.120986	2.06326	0.208834	0.939156	0.649391	0.800265	0.403186	0.0434462
TMEM239	0.0178389	0.00573005	0.00491921	0.0245114	0.00923668	0.0860745	0	0.0105692	0	0.0223897	0.0268506	0.017019	0.0268557	0.0217546	0.145174
TMEM240	0.145033	0.199654	0.222822	0.128109	0.514939	0.352838	0.354843	0.165719	0.0504667	0.23404	0.584727	0.163074	0.133678	0.357344	0.41657
TMEM241	1.54535	1.2672	1.28457	2.50363	1.76572	2.84677	1.52691	1.50543	2.32543	1.85565	3.41353	2.83876	1.97971	1.99586	1.03497
TMEM242	1.82768	1.20203	1.07729	1.4079	0.830415	2.01923	0.996443	1.20198	0.840282	1.37062	2.17155	1.00043	1.25291	1.12478	1.3977
TMEM243	2.56817	2.18746	2.32886	2.15033	3.2565	3.52221	1.74885	2.60716	0.697077	1.64063	4.9367	0.8688	1.72892	1.74444	2.94079
TMEM244	0	0.02046	0	0.0875214	0	0	0	0	0	0.0532971	0	0	0	0.0221937	0
TMEM245	5.9934	5.45333	5.64767	5.13555	3.71764	6.41918	4.81097	5.15927	3.89813	4.2497	5.72039	3.4995	3.86878	3.82968	3.79868
TMEM246	2.56634	3.47128	3.40073	3.42806	3.66375	2.63729	4.01334	2.55286	7.59396	1.83311	3.05338	3.0436	2.38948	1.04102	0.746226
TMEM246-AS1	0.0864226	0.280556	0.200539	0	0.0832156	0	0.0611668	0.0980814	0.130489	0.0436244	0.0315682	0.0383321	0	0.055998	0
TMEM247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMEM248	12.3415	8.48272	10.1646	13.0559	8.65223	16.3442	11.1295	9.83247	10.1024	10.0821	15.2759	6.54486	14.7697	9.56686	12.493
TMEM249	0.0795682	0.0662605	0.022874	0.118046	0.348098	0.296081	0.0911864	0.0702976	1.86E-40	0.0173518	0.0156067	0.123329	0.0751074	0.116237	0.124808
TMEM25	1.22251	1.27436	1.39298	0.863656	1.3257	2.14082	1.61529	0.908802	0.318376	0.328105	0.954757	0.335591	0.367094	0.482216	0.507931
TMEM250	3.2422	6.31468	6.85183	12.0254	17.2734	13.5761	5.4662	3.27927	9.26038	7.97544	7.70314	6.84597	13.0496	8.30267	3.99252
TMEM251	1.59373	1.76451	1.72521	3.11005	0.658409	2.85845	1.50994	1.61226	2.56045	3.19197	4.49782	1.46791	4.30998	2.3305	1.75313
TMEM252	0.651655	0.170445	0.154027	0.0767485	0.0867638	0.174389	0.382648	0.148921	0.0226755	0.0233684	0.0210182	0.0133222	0.13214	0.0973095	0.347605
TMEM253	0.151658	0.358049	0.40148	0.234432	0.400482	0.387405	0.259738	0.188694	0.166232	0.133243	0.119842	0.260437	0.107634	0.134747	0.1089
TMEM254	3.93105	7.30011	6.13111	6.26832	4.21455	4.72828	7.35077	5.11083	15.1599	4.06555	6.89352	4.86069	3.20514	2.05985	1.94569
TMEM254-AS1	0.345223	0.858037	1.01986	0.288836	0.409759	0.431376	0.555126	0.361332	0.355446	0.100508	0.103576	0.176147	0.0369903	0.113887	0.0515877
TMEM255A	0.403696	0.430466	0.542011	0.10912	0.0514	0.152148	0.710281	0.405823	0.225679	0.141206	0.26148	0.0236767	0.0683181	0.044965	0
TMEM255B	1.09878	0.843745	0.980003	2.01695	2.98687	4.37099	0.99972	0.656089	0.188183	1.68076	2.82963	0.651077	1.96063	2.23427	2.66285

TMEM256	3.79394	3.35177	3.43735	8.8977	5.26774	6.01679	4.93944	2.99242	5.31368	10.0934	23.008	6.27767	4.89567	4.61089	2.65618
TMEM256-PLSCR3	0.678863	1.51788	2.15689	7.85924	5.05717	7.79842	3.14317	2.30217	5.602	7.49693	6.96607	7.1099	17.6977	6.7647	5.03454
TMEM258	24.1566	13.5382	12.95	38.5887	7.60967	39.5079	17.8732	10.8593	21.465	30.4604	69.9226	18.4128	19.1461	21.8956	16.2543
TMEM259	16.3571	24.993	24.6737	25.4532	64.6651	42.0386	21.467	15.1902	29.8503	23.8659	21.7356	27.9532	30.6397	25.5356	19.8218
TMEM26	0.0044144	0.00807084	0	0.0304831	0.0394772	0.124756	0.00382513	0.0208415	0.0204007	0.125366	0.32594	0.00958858	0.0412369	0.0472757	0.0625467
TMEM26-AS1	0.00927272	3.34E-14	0.0112423	0.00238933	0.0931777	0.153509	0	0	0	0.0372729	0.119917	0	0.0168541	0	0
TMEM260	1.92723	1.7002	1.69315	2.1539	1.0541	1.58554	1.29548	1.51495	1.36862	1.79882	2.61685	1.02161	1.324	1.19452	1.52811
TMEM262	0.0452013	0.152451	0.0747874	0.0465812	0.0702132	0.153953	0.309656	0.0401711	0	0	0.161714	0	0.0236242	0.259659	
TMEM263	1.62418	1.27412	1.35333	2.18737	1.05652	3.15036	0.789975	1.92805	0.614128	3.49564	6.77794	0.709033	2.02394	2.74886	5.08609
TMEM265	1.88451	2.60182	2.99035	3.97493	3.80034	3.07789	2.6424	1.9882	4.40233	5.35293	6.75534	3.5248	5.85895	3.71507	2.38985
TMEM266	0.500171	1.18191	1.37618	0.159064	1.39361	0.38607	1.01158	0.793488	0.129238	0.0847555	0.0871217	0.110442	0.0124483	0.151258	0.346356
TMEM267	1.39143	0.932925	1.01241	0.958821	0.169264	1.12769	0.803917	1.25149	1.0821	1.25193	2.24258	0.629752	1.00591	1.09084	0.866721
TMEM268	2.04173	1.23342	1.29466	1.66082	1.6421	3.6579	1.42593	1.55202	0.334491	0.910562	1.76082	0.574724	1.60818	1.11314	1.59261
TMEM269	0.158703	0.0764656	0.114166	0.00711079	0.0321549	0.0646291	0.0472701	0.122645	0.00840359	0.00866038	0.0155788	0.0197489	0.00890386	0.0432757	0.0495473
TMEM270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMEM271	0.67871	0.907345	0.782904	0.157618	1.98975	0.42326	1.03688	0.373802	0.570465	0.0839853	0.129495	0.0547194	0	0.0299766	0
TMEM272	0.0560636	0.0864393	0.0510177	0.0462201	0.148046	0.0238687	0.0512093	0.0597896	0	0.0281462	0.0253155	0.0361035	0.0144688	0.0263712	0.0644115
TMEM273	4.17112	0.929222	0.955423	1.35194	1.37596	3.0361	1.6643	1.66414	0.16387	2.42058	4.21503	0.521495	1.91712	1.51195	3.10785
TMEM30A	12.3099	9.78856	10.3269	12.9954	3.37022	17.6767	8.80406	12.8954	17.3371	18.4672	24.8962	9.85746	23.7475	13.2003	15.587
TMEM30B	3.38132	2.93954	3.21535	8.73554	3.73897	5.40784	2.77803	2.94948	7.11938	5.22478	5.46391	5.49124	12.5182	3.85577	3.92072
TMEM30CP	0	0.0645792	0	0	0	0	0	0	0	0	0	0	0	0.046701	0
TMEM31	0.0316162	0.091399	0.183086	0	0.0491109	0.0538415	0.0360983	0.0842935	0.038505	0	0	0	0	0.049572	0
TMEM33	4.12058	3.69763	4.14568	8.36605	2.50624	5.42126	3.18786	4.96533	4.47129	5.25833	5.73498	4.47837	8.89676	5.86989	3.69532
TMEM35A	0.156523	0.0700284	0.10174	0.0806508	0.069467	0.390312	0.497843	0.119233	0.0272325	0.0701616	0.2398	0.0239992	0.0144268	0.0409029	0.0321124
TMEM35B	3.12744	1.85644	2.11119	3.94485	2.13752	5.6029	2.11392	2.09011	0.853187	2.35515	5.5923	0.787694	2.17923	2.35373	3.52126
TMEM37	2.23611	1.36161	1.52075	1.80957	3.21774	4.40377	2.78807	1.1948	1.01916	1.34301	3.80966	0.853986	1.40732	1.16152	2.02925

TMEM38A	0.213628	0.198997	0.282765	0.102737	0.154858	0.848874	0.308957	0.189855	0.03469	0.0715001	0.450165	0.101904	0.266475	0.126538	0.245438
TMEM38B	1.07779	0.45635	0.5728	0.996257	0.23337	1.37936	0.656311	0.702422	0.906904	0.803443	1.73286	0.542167	1.12104	0.436984	0.600374
TMEM39A	3.10849	2.27771	2.42658	2.54751	1.36833	3.17698	2.23798	2.72977	1.46039	2.99266	5.88326	1.62361	2.70785	2.92141	3.90118
TMEM39B	1.86505	1.89651	1.79863	2.70777	2.737	3.93068	2.03533	1.69413	1.55611	2.22443	3.90837	1.59991	3.16454	2.19185	2.81162
TMEM40	4.28349	6.16217	5.92839	22.8455	9.69679	8.44413	6.62917	6.05302	43.4765	38.7668	50.863	23.147	46.7026	19.7029	5.4665
TMEM41A	3.90493	4.09818	4.64586	4.23505	3.12822	4.59365	4.39309	3.53586	4.21738	3.9969	5.44322	3.19826	6.14279	3.34158	2.83338
TMEM41B	3.46721	3.66595	3.57024	4.47914	2.6491	3.48241	2.67585	3.27726	4.00089	5.3807	6.2347	3.7905	7.08173	4.72005	3.09669
TMEM42	0.988818	2.03049	1.96714	2.47473	1.97483	3.32777	1.39781	0.899702	0.716827	1.9207	4.75736	0.960214	1.16963	1.0459	1.25101
TMEM43	19.2997	23.0788	26.53	23.3429	20.2443	24.6472	24.5185	16.7889	14.9109	16.0271	19.8014	15.1969	22.4647	17.0901	16.2104
TMEM44	0.955111	0.659306	0.828122	0.709809	1.58347	1.74382	0.734	0.522352	0.212511	0.979757	1.53436	0.4337	1.21469	1.30076	2.12343
TMEM44-AS1	0.435748	0.466555	0.520695	0.166315	0.30083	0.508453	0.184268	0.358571	0.078621	0.303838	0.801623	0.10393	0.031238	0.354264	0.417193
TMEM45A	61.4198	82.1246	95.2107	31.5644	48.4751	34.2395	80.2702	108.147	306.15	40.5673	92.1366	84.9452	13.3709	19.7518	10.0172
TMEM45B	4.22592	4.84507	4.60335	13.4867	6.28938	7.36621	5.25447	5.68266	38.3843	21.4104	19.3196	18.2454	38.5699	11.8353	3.17747
TMEM47	2.34627	0.863668	1.03898	0.623595	0.957698	2.05615	2.0271	1.5068	0.271149	1.94888	4.39508	0.359456	2.04419	1.74243	4.88625
TMEM50A	11.8225	11.9207	12.3829	21.1243	6.19975	21.8029	11.0884	12.9908	26.1254	20.4664	28.179	13.9473	24.9006	13.4664	14.062
TMEM50B	5.63958	5.24905	6.77167	3.86688	1.95438	3.24547	3.59982	5.30141	4.36261	3.44625	5.26354	2.69019	2.75047	2.60323	2.92293
TMEM51	1.24821	2.10986	2.06522	4.68134	3.46459	2.94458	1.23826	1.4912	4.41103	5.44469	6.06365	3.39682	8.74653	3.3474	1.83667
TMEM51-AS1	0.236722	0.547998	0.600207	0.275228	0.257175	0.220604	0.260727	0.192692	0.111515	0.220545	0.187496	0.223961	0.542342	0.148	0.0530783
TMEM52	0.700573	0.465581	0.639518	0.273847	0.262676	0.493679	1.32396	0.515264	1.00033	0.0303204	0.463607	0.207426	0.0623456	0.101007	0
TMEM52B	0.0149987	0	0	0.0386416	0	0	0	0	0	0	0.00846585	0	0.043547	0.0039195	0
TMEM53	0.714957	0.410541	0.388907	0.645947	0.973655	1.50109	0.972868	0.470018	1.14508	0.786712	0.917659	0.609681	1.09319	0.516992	0.576678
TMEM54	13.0269	17.6333	15.8282	73.2704	82.111	48.6149	19.8238	12.5902	88.6461	67.6474	97.702	66.6034	98.741	40.0522	12.7158
TMEM56	0.164567	0.0967973	0.0744008	0.0447608	0.0200134	0.120244	0.167768	0.104448	0.0162705	0.0215403	0.0729134	0.0345487	0.0334826	0.0238175	0.0718119
TMEM56-RWDD3	0.633694	0.544929	0.373411	0.244652	0.156686	0.274386	0.37173	0.499798	0.0985356	0.390683	0.579965	0.131814	0.280855	0.315525	0.355717
TMEM59	9.95139	8.21044	8.39306	10.1129	6.22914	13.339	7.99287	8.97534	18.0372	12.3495	21.5656	7.68067	9.83994	6.35812	6.62832
TMEM59L	0.0571786	0.0206622	0	0.0294621	2.04282	0.328636	0.130569	0.101631	0	0.0538238	0.193643	0.0102282	0.184457	0.0971232	0.739042

TMEM60	2.83655	2.52902	2.43432	4.78084	1.15301	5.03372	2.23983	2.23817	3.71288	3.79307	7.0626	1.65026	3.66025	2.52164	2.62693
TMEM61	0.170031	0.345898	0.125032	0.62301	0.381501	0.36999	0.172565	0.0839495	0.575217	0.545371	0.57583	0.554235	0.828866	0.503571	0.16279
TMEM62	2.39825	1.54188	1.829	2.06985	1.12923	2.09313	2.10502	1.5519	1.86201	2.09762	3.46876	1.28164	1.29106	1.25343	1.61446
TMEM63A	4.76582	4.77528	5.86018	4.0276	7.28994	8.47451	6.00518	4.47102	0.898801	1.60466	1.97717	1.60649	3.03464	2.80591	4.60517
TMEM63B	5.05477	8.80905	9.09731	9.33072	14.5448	11.7731	10.0922	5.69894	17.0357	11.1698	9.11326	11.673	17.3779	9.53459	5.74375
TMEM63C	1.45233	0.526365	0.467829	0.229578	0.206298	0.178748	0.371755	0.468311	0.104353	0.553838	0.145089	0.31574	0.223894	0.0895636	0.110747
TMEM64	3.89003	2.96175	2.32814	2.64282	3.37187	4.20785	2.60456	3.54247	1.5324	2.67623	5.14492	1.41231	2.86921	2.60785	2.13116
TMEM65	2.27293	3.09122	2.58712	2.27033	2.55408	2.85501	2.21478	3.40486	3.49457	3.17648	4.2279	2.56831	4.24344	2.80273	2.84751
TMEM67	0.693884	0.742942	0.855415	0.658984	0.183162	0.424781	0.507457	0.677123	0.160177	0.466754	0.578521	0.318015	0.351129	0.675533	0.722954
TMEM68	1.21958	1.53197	1.71548	1.53545	0.518739	1.05772	1.01616	1.57897	1.26586	1.31097	1.7102	1.19067	1.32184	1.22987	0.691198
TMEM69	2.84431	4.76465	3.83727	8.71864	2.00396	7.28611	3.46468	3.34712	5.37965	6.31733	9.5196	4.53506	8.41214	5.15188	3.36539
TMEM70	2.14327	1.8771	1.91281	3.64489	1.45961	4.22526	1.53095	2.26132	3.62607	2.67677	6.87705	1.6771	3.95775	2.99078	2.07727
TMEM71	0.324739	0.16168	0.214917	0.970493	0.134515	0.543804	0.259543	0.307841	0.0659159	0.815161	1.3686	0.0387265	0.460944	0.32813	0.839459
TMEM72	0.247306	0.119156	0.17819	0.115096	0.0743519	0.081514	0.282366	0.163066	0	0.0300382	0	0	0	0.00416945	0.114569
TMEM72-AS1	0.196365	0.0574429	0.0754219	0	0.0762558	0.0597152	0.0960872	0.0623261	0	0.00880209	0.0158337	0	0	0.00366532	0.0201432
TMEM74	0.0280032	0.0464736	0.0283142	0.121845	0.0483317	0.071533	0.0852616	0.0442433	0.0682094	0.0741989	0.0702491	0.060111	0.142532	0.0374023	0.089369
TMEM74B	0.966025	1.40134	1.15148	0.535224	4.77601	1.93699	1.11484	0.683126	2.61869	1.00387	2.07551	1.22635	0.335094	1.87297	2.22272
TMEM75	0.58793	0.803467	0.654398	0.649943	1.47782	0.300369	0.610254	0.883505	0.221319	0.281748	0.0362018	1.68272	0.0413814	1.07268	0.73688
TMEM79	19.2105	29.5154	21.0973	44.0305	84.0578	36.0393	23.034	17.2999	113.899	61.7245	55.6235	68.1313	77.9532	38.3934	13.9355
TMEM80	2.12948	4.01047	3.82205	2.06931	5.83175	2.98944	3.9138	1.78674	6.30355	4.21938	4.20201	4.82755	4.77893	2.27889	2.18277
TMEM81	0.555989	0.644596	0.589315	0.537153	0.539777	0.591772	0.476108	0.416911	0.232764	0.915893	0.706098	0.522146	0.739863	0.644734	0.573901
TMEM82	0	0.0176295	0.0454045	0	0.0568366	0.0155779	0.0417771	0	0	0	0	0	0	0.0286851	0.0788214
TMEM86A	3.07589	3.85936	4.20046	11.9776	13.4041	6.12947	8.46752	3.61374	42.9288	6.03385	11.9116	9.53126	4.86114	3.99358	1.43615
TMEM86B	1.0045	1.51563	1.4761	0.844474	2.42262	1.81192	1.4789	1.03367	0.386325	0.696728	0.164124	1.13486	0.520182	1.38847	1.36666
TMEM87A	7.32891	6.31234	6.60375	7.45182	4.89777	8.17161	5.31631	6.53713	8.01596	10.0303	11.6221	6.24635	11.684	6.91952	6.43144
TMEM87B	3.6878	3.38906	3.68131	6.19253	1.92537	6.06781	2.89044	4.37507	4.13932	4.6561	6.11108	3.35012	7.20893	3.95778	4.38415

TMEM88	0.741425	0.701702	0.788604	0.573045	1.43961	1.53319	0.483734	0.611851	0.419237	0.531751	0.807085	1.38311	0.546701	0.691966	0.570418
TMEM88B	0.0470387	0.521271	0.895016	0.0484748	1.46135	0.28037	0.107415	0.418041	0.0572879	0	0.212403	0.100972	0	1.05713	0.607982
TMEM89	0.104878	0.0842196	0.115683	0	0	0.0893021	0.0798308	0.0621378	0	0.0438775	0	0	0.0225556	0.255798	0
TMEM8A	1.82942	1.12544	1.44011	4.14889	3.80534	9.84222	1.86471	1.25453	0.817198	3.86127	7.80339	1.43582	5.64843	4.58216	3.78182
TMEM8B	1.59267	1.36862	1.78619	0.609141	2.08503	2.34529	1.8419	1.23668	0.289955	0.412159	1.12602	0.358328	0.346943	0.506306	1.32049
TMEM9	6.26576	3.33934	3.23871	6.38948	5.0483	9.79322	5.14363	3.39603	3.10259	5.10174	12.9836	2.2182	4.5623	3.69084	4.90945
TMEM91	1.49851	2.42862	2.40833	3.53638	5.58311	3.42051	2.39543	2.20167	3.26857	1.97829	4.35155	2.14688	1.09129	1.93773	1.75174
TMEM92	0.271208	0.114833	0.169971	0.296426	0.561705	0.384883	0.131369	0.1899	0.0400364	0.268189	0.38038	0.147012	0.0848396	0.558388	0.92061
TMEM92-AS1	0.0310229	0.0448419	0.0769929	0.0959099	0.0481892	0.132078	0.106263	0.220564	0	0.0389369	0.140084	0.28857	0.120095	0.389134	0.579186
TMEM94	3.15158	3.86319	4.31914	4.34881	6.50383	9.06102	4.90411	3.36771	1.47396	1.71804	2.14337	1.94883	2.30504	3.01353	4.68108
TMEM95	0.0573321	0.0920782	0.126478	0.295412	0.26717	0.211543	0.0436399	0.101904	0.605142	0.335802	0.151015	0.984543	0.147961	0.589297	0.0823361
TMEM97	1.87113	1.61851	1.59174	4.26335	0.785122	4.26201	1.98375	1.63858	1.14953	1.4985	3.24458	0.950852	2.68172	1.65009	0.7908
TMEM98	4.99554	3.1953	3.58916	5.19914	4.52493	9.12998	4.69884	2.98545	0.875611	4.04509	10.5649	0.922435	3.1911	3.15508	7.88628
TMEM99	0.662451	1.75034	2.16559	1.39838	0.979224	1.67401	3.52563	1.28192	0.832817	0.925317	1.80926	0.733938	0.889288	0.93816	0.797918
TMEM9B	8.01652	6.61699	6.82865	10.7417	6.97707	8.97578	6.74375	7.4174	12.3612	10.6177	16.428	8.47845	12.4171	7.47172	5.01873
TMEM9B-AS1	0.725281	1.95188	2.22497	2.08372	2.35564	2.56954	2.44714	0.708272	0.673782	0.468943	0.917994	1.43782	0.340325	0.740666	1.79912
TMF1	4.68712	3.95159	4.0025	3.66676	1.75361	4.71197	2.45903	3.50255	4.02244	5.85327	6.6376	2.77914	6.17822	4.26005	5.35607
TMIE	0.223845	0.20372	0.205756	0.0640773	0.154537	0.508269	0.11359	0.110519	0.0908725	0.109258	0.0561539	0.151269	0.0401176	0.012999	0
TMIGD1	0.0381584	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMIGD2	0.0731218	0.0088078	0.0302458	0	0.0283959	0.0622623	0	0.0162461	0	0	0.0412727	0	0.0117945	0.0286625	0.236277
TMIGD3	0.170467	0.0525653	0.0165906	0.372004	0.0162359	1.15685	0.0229905	0.0983875	0.0366364	0.076594	0.373559	0.0215244	0.207027	0.132837	0.144005
TMLHE	1.63785	1.88908	2.05098	2.57802	0.627324	2.33071	1.76758	1.60015	1.20913	1.57695	2.23518	1.20403	1.37882	1.34558	2.24744
TMLHE-AS1	0.108781	0.117927	0.064681	0.0385349	0.0264021	0.0549962	0.0582197	0.0966751	0.00414008	0.0255995	0.0422124	0.0121618	0	0.0870568	0.0244098
TMOD1	2.55548	0.820982	0.849584	0.280013	0.595217	2.58025	1.6811	0.782164	0.110841	0.258504	0.167146	0.133872	0.280847	0.251295	0.829452
TMOD2	1.34061	1.51645	1.75864	1.73989	0.87681	1.98475	1.25732	1.12647	1.79844	1.9546	2.87598	1.34689	1.26979	1.35784	1.8387
TMOD3	12.4346	11.5522	11.6859	22.3213	7.42713	17.2269	9.59894	12.2586	23.3773	23.5376	17.8557	17.507	38.9327	17.9178	13.0709

TMOD4	0.0875304	0.160259	0.218289	0.0362301	0.108772	0.0447186	0.0199879	0.140022	0.0644414	0.110742	0	0.0250522	0.0112948	0.0921148	0
TMPO	2.87309	2.67608	3.13437	5.51166	2.44447	5.14029	2.55677	2.70704	1.72773	3.08615	5.83893	1.56642	5.54024	3.85873	2.72114
TMPO-AS1	0.211255	0.150717	0.170525	0.361462	0.210288	0.691254	0.170212	0.121023	0.0476204	0.211464	0.414194	0.10742	0.398265	0.283526	0.120552
TMPPE	2.1622	2.5244	2.76264	2.48046	2.0188	3.04696	3.60661	2.13911	0.96531	1.33129	1.57898	1.36362	2.7788	1.61436	2.47745
TMPRSS11A	0.0476587	0.0183701	0.023656	0	0.0296122	0.0324646	0.010883	0.025413	0.16252	0.0478532	0.0322804	0.0409213	0.116847	0.17436	0.136888
TMPRSS11B	0	0	0	0.0811517	0	0	0	0	0	0.0219636	0	0	0.0282264	0.013719	0.0125657
TMPRSS11BNL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMPRSS11D	0.523899	0.244409	0.0412768	15.3913	0.723375	3.77409	0.0664635	0.229104	5.41837	11.7002	6.47743	4.61142	26.4619	6.43243	3.03343
TMPRSS11E	0.362965	0.281899	0.183747	2.29452	0.143056	0.0876438	0.197932	0.255169	0.329888	1.73384	0.128427	0.170556	0.290107	0.45868	0.0855805
TMPRSS11F	0.256278	1.11668	1.62235	1.5272	0.155774	0.161291	0.483443	1.25763	1.72344	0.475491	0.490563	0.350802	0.122215	0.582358	0.0320042
TMPRSS11GP	0.0678682	0.1308	0.0561453	0.13988	0	0	0	0	0.165312	0	0	0.145685	0	0	0
TMPRSS12	0.0475217	0.0228967	0.0524177	0.0163242	0.0984234	0.0404641	0.0361725	0	0.135044	0	0.0715281	0.0906747	0.0204405	0.0331159	0.022749
TMPRSS13	3.37122	6.26103	6.33956	13.621	12.4419	8.69179	7.43257	3.91995	35.8783	17.1673	17.2906	11.9298	14.1683	8.24821	2.83664
TMPRSS15	0	0.00282725	0.0097087	0	0	0	0	0.00521491	0	0	0	0	0	0	0
TMPRSS2	1.55449	0.544099	0.680475	0.0646525	0.768792	1.68569	0.549173	0.861114	0	0	0.0236075	0	0.094448	0.00728649	0.130142
TMPRSS3	0.192361	0.0479393	0.0768237	0.0546852	0.185464	0.141201	0.0530146	0.0648449	0	0	0.014976	0	0.0213984	0.0242674	0.0190521
TMPRSS4	0.228622	0.755338	0.940257	10.73	1.83652	4.11029	0.320698	1.4687	0.198883	3.36955	3.25926	2.54725	7.12657	4.36642	1.13508
TMPRSS5	0.81065	0.371531	0.507059	0.122253	0.721747	0.370382	0.756261	0.492006	0.1204	0.124079	0.1116	0.120252	0.0127568	0.0568352	0.127778
TMPRSS6	0.0204685	0.095333	0.135464	0.0351556	0.0529911	0.0290478	0.0934811	0.0970171	0.00830944	0.0428168	0	0.0341734	0.0264123	0.0677523	0.176372
TMPRSS7	0	0.0212637	0.0949246	0	0.0137106	0.0225469	0.0100778	0.0156885	0.0107497	0	0	0	0	0.00461311	0
TMPRSS9	0.292619	0.442276	0.418854	0.121486	0.611222	0.154532	0.544625	0.399494	0.0251764	0.0432861	0.046774	0.148704	0.0267362	0.163227	0.223282
TMSB10	240.649	107.343	106.214	789.016	416.921	982.97	148.895	126.307	273.319	976.868	1528.4	428.416	847.704	507.311	417.247
TMSB15A	0.0347493	0.0334855	0	0.107431	0	0.0295886	0	0	0.126962	0.21807	1.37297	0.0248641	0	0.199777	0
TMSB15B	0.260985	0.152935	0.245082	0.239877	0.0867683	0.508318	0.249663	0.188061	0.0859056	0.309857	0.58924	0.060565	0.159284	0.23086	0.536887
TMSB15B-AS1	0.0724126	0.0209337	0.0958476	0.0149246	0.091804	0.140167	0.198428	0.0386125	0	0.018177	0.016349	0.0414505	0.0373762	0.0634131	0.0623961
TMSB4X	316.534	151.926	189.325	515.591	169.115	709.072	165.139	167.124	163.916	713.612	1401.4	177.81	548.749	375.29	490.091

TMSB4Y	0.749685	0.615394	0.459402	0.343365	0.280347	0.661989	0.0792561	0.567553	0.405792	0.26137	0.376134	0.298011	0.152274	0.116094	0.518383
TMTC1	3.0109	1.04192	1.10796	1.0507	0.915054	4.16502	1.36244	1.43634	0.441502	1.58616	2.02627	0.500767	2.48672	1.60913	4.53372
TMTC2	1.4298	1.86535	2.27076	1.57055	1.73732	2.08955	1.21618	1.75129	1.35215	1.23407	0.929589	1.13152	1.6309	0.914285	0.93549
TMTC3	3.9616	5.07144	4.84287	5.46988	0.8734	3.59758	3.18423	5.83649	6.46043	7.4684	8.6759	4.96117	7.61411	5.26274	3.81136
TMTC4	1.53168	1.45323	1.76181	1.72439	1.23035	2.67094	1.56316	1.49176	1.00937	0.85587	1.49814	0.874514	0.869779	1.27206	1.09984
TMUB1	3.02395	3.713	3.98446	5.21476	11.6485	8.8044	5.17901	2.24315	7.18747	4.94318	7.59822	4.60666	6.8365	4.17419	3.905
TMUB2	3.88783	4.30032	4.45853	4.28834	6.03372	6.61003	3.72182	3.44446	3.50625	4.17534	5.44521	3.09236	3.66474	3.66524	4.31922
TMX1	4.22475	3.33189	3.28036	5.49883	2.50584	7.00252	2.9818	3.99021	3.68206	5.85469	9.70398	3.33369	6.93638	4.534	4.19606
TMX2	11.0573	9.54578	9.82536	17.0752	7.9656	18.2294	11.8721	8.91508	10.9434	12.3933	15.7425	9.88473	21.4407	12.6418	8.53034
TMX2-CTNND1	0.422312	0.778995	0.959489	0.367039	1.54128	0.801385	1.04719	0.517447	0.215245	0.510713	0.70015	0.514816	0.304969	0.665397	1.0829
TMX3	2.62174	2.4976	2.45501	4.22867	0.603574	4.06843	2.11587	3.06236	2.84457	4.60355	5.86627	2.27005	5.42454	3.87414	5.37179
TMX4	6.07111	3.47134	4.26129	3.904	2.11123	7.5448	3.78882	4.03411	1.71931	3.84999	5.61167	1.57159	5.30752	3.2924	5.12241
TNC	21.7491	6.64373	6.43825	160.502	31.1545	186.483	16.0818	8.06442	8.74738	43.0671	56.0152	25.8809	211.964	146.912	141.1
TNF	0.0656616	0.0863598	0.123321	0.166422	0.044106	0.122398	0.0486294	0.135635	0.0151292	0.0890941	0.108181	0.0279356	0.127094	0.0435927	0.0688123
TNFAIP1	8.20841	8.99406	8.83156	22.4468	10.7214	22.2072	7.99645	7.30926	24.8147	20.7502	20.4341	16.2335	32.9869	19.9526	15.1457
TNFAIP2	12.6109	12.1976	15.2018	10.9165	12.8211	23.2838	12.5886	8.43888	3.46329	6.33118	4.16758	3.64903	7.98627	5.63204	15.2449
TNFAIP3	3.99558	7.0414	10.1505	7.56558	3.76336	4.15085	4.31105	6.10341	3.31352	6.4433	8.35382	15.4375	11.4181	8.41669	7.74437
TNFAIP6	0.585077	0.258408	0.726026	11.1544	0.454413	8.49683	0.835028	0.722178	0.158346	8.26123	20.6767	0.383752	7.46589	2.95594	13.2339
TNFAIP8	2.18492	2.67476	2.70856	5.89097	1.46627	3.2656	1.65056	3.17372	2.27511	4.88811	5.42481	2.40883	5.52382	2.62888	3.28951
TNFAIP8L1	1.4369	1.45938	1.64753	3.38878	3.31509	3.94618	1.79237	1.04148	0.788737	2.31126	2.80689	1.4719	3.44259	3.09889	2.93037
TNFAIP8L2	0.903718	0.80459	0.975156	1.70065	1.37327	1.57247	0.874818	0.680931	0.334974	0.986313	2.90531	0.393604	1.40698	0.87277	1.29785
TNFAIP8L2-SCNM1	0.174255	0.310457	0.488503	0.675638	0.649058	1.07384	0.631547	0.91407	1.3188	1.02734	0.307196	0.394432	1.58685	1.50401	1.01257
TNFAIP8L3	4.108	5.26184	5.40889	5.59567	3.86974	4.81394	5.15478	4.02135	17.8329	11.7922	9.40115	10.5351	12.7075	6.32943	2.75996
TNFRSF10A	2.77717	2.6443	2.89919	4.59275	4.53986	4.18893	2.4914	1.69242	3.68829	3.23666	3.22465	2.41295	9.21504	4.16088	3.1527
TNFRSF10B	3.66767	2.32036	2.6883	6.79523	3.45465	8.09698	2.61568	2.2341	1.56813	5.16295	7.34311	1.77082	7.39049	6.48473	7.41251
TNFRSF10C	0.308881	0.138794	0.0980269	3.18561	0.240624	1.37278	0.0842162	0.101971	0.0565977	3.61423	9.1395	0.0775879	2.30992	0.460747	2.42705

TNFRSF10D	1.06623	0.579911	0.541141	2.79751	0.772226	2.35603	0.776737	0.616215	0.732922	3.39072	6.35049	0.800359	7.04807	3.30936	2.62096
TNFRSF11A	1.39574	1.40081	1.41726	1.402	2.37156	0.853799	1.54758	1.19563	6.52939	0.815818	1.49029	1.31236	0.653448	0.742642	0.448651
TNFRSF11B	0.207163	0.0903081	0.0571266	0.254152	0.076618	0.890382	0.180215	0.113972	0.0600717	1.04004	0.924308	0.225875	3.18876	2.35106	3.01762
TNFRSF12A	1.79403	2.2042	3.28369	12.7799	4.31947	13.7484	2.38123	1.39509	17.6706	26.2323	47.8463	9.11413	49.9607	31.5282	11.9805
TNFRSF13B	0	0.0082111	0.0281967	0.0351246	0	0	0	0.030291	0	0	0.0192383	0	0.0549771	0.0089069	0.048949
TNFRSF13C	0.520347	0.787949	0.614954	0.153209	2.65577	0.99163	1.07507	0.638609	3.53075	0.186597	0.895096	0.744644	0.0959215	0.155403	0.28468
TNFRSF14	2.71697	2.88638	3.68668	2.83278	7.35175	5.69264	3.09214	3.01278	0.689995	1.71008	3.40372	1.23289	1.8609	1.82192	3.83626
TNFRSF14-AS1	0.270485	0.400145	0.405584	0.238357	0.88747	0.561631	0.447994	0.356963	0.0750205	0.125052	0.129406	0.194821	0.0830262	0.161452	0.55335
TNFRSF17	0.116414	0.011218	0.0770445	0.0479871	0	0	0.0797505	0.35176	0	0	0	0.0499783	0.0150219	0.0121686	0.033437
TNFRSF18	0.462861	2.17438	2.72824	0.973858	1.61771	1.85565	1.60746	1.1655	0.540225	0.484115	1.32805	0.275991	0.460396	1.05836	0.720121
TNFRSF19	6.61705	13.8631	17.0815	3.15144	4.34266	4.31005	12.0872	13.8302	5.206	2.83823	4.98709	3.52627	1.31126	2.81756	3.39831
TNFRSF1A	16.9031	16.9929	18.1569	39.6702	30.4583	49.7609	19.649	16.8387	24.3974	36.5678	45.4744	23.2923	54.0792	25.523	30.7129
TNFRSF1B	4.6538	1.73253	1.95363	9.44249	7.18983	13.9685	3.28592	2.8319	0.674921	5.89632	7.86257	0.842618	10.1414	4.11743	10.084
TNFRSF21	5.52205	2.07583	1.85042	18.506	6.9095	16.8762	2.51035	2.63166	7.10445	12.9204	14.7127	9.49828	21.0037	18.3161	11.9092
TNFRSF25	2.35907	7.74664	7.64993	3.50326	10.2746	3.66013	5.85665	3.66626	1.07556	5.4055	0.955982	5.09855	1.37375	5.14292	4.88208
TNFRSF4	0.230592	0.272707	0.312156	0.734498	1.40019	1.85636	0.311152	0.149041	0.0510609	0.473591	2.01148	0.209993	1.46072	0.580675	1.32464
TNFRSF6B	1.1235	1.22299	1.74049	17.3331	4.13741	15.7324	2.20026	1.56589	0.122064	4.68842	17.6109	0.634835	4.22542	4.22148	6.45839
TNFRSF8	0.125573	0.0968046	0.171406	0.148817	0.399868	0.29404	0.2294	0.117178	0.16058	0.110325	0.155932	0.0134776	0.360534	0.111571	0.324609
TNFRSF9	0.0424785	0.0502366	0.0670877	0.0955098	0.0299926	0.0361699	0.00881828	0.058343	0.0188124	0.12117	0.170015	0.0193419	0.204306	0.078713	0.316114
TNFSF10	7.95357	8.9636	7.47944	19.8331	5.57305	11.4865	2.98391	7.60542	13.1545	14.4192	16.7295	8.62561	15.4335	6.15434	7.49553
TNFSF11	0.0339465	0.012267	0.00702074	0	0	0.0216788	0.00968976	0.0226266	0	0.223684	0.431116	0.00607241	0.120462	0.106452	0.0487515
TNFSF12	4.49649	2.64203	3.59409	3.94511	6.87948	10.4272	6.16154	3.24013	0.767589	3.28245	10.3952	0.896657	3.44576	2.66514	6.0002
TNFSF12-TNFSF13	0.257775	0.152974	0.1704	0.77422	0.309534	1.72973	0.155697	0.00029257	0.226643	0.647039	1.02388	0.00060838	0.461565	0.352511	1.97086
								5				1			
TNFSF13	2.0999	1.27088	1.50034	2.65834	2.49527	4.66267	2.65981	1.5993	0.752408	1.88684	6.39791	0.778073	3.04662	1.29471	1.15516
TNFSF13B	0.433228	0.30058	0.408572	1.10721	0.336477	2.26497	0.247323	0.377317	0.0949722	1.10924	2.23011	0.0929959	1.35286	0.226424	1.64253

TNFSF14	0.0774987	0.0886827	0.120211	0.144755	0.210669	0.115481	0.0497731	0.116226	0.0117981	0.413393	0.191376	0.076247	0.171881	0.0961975	0.271289
TNFSF15	0.222913	0.302648	0.212791	0.356427	0.204952	0.279675	0.161303	0.191623	0.13757	0.588966	0.293584	0.0811944	0.216307	0.125322	0.157396
TNFSF18	0.0928197	0.0596293	0.153574	0	0	0.0263449	0.247283	0.137484	0	0	0.0698546	0.0221383	0	0.0970233	0
TNFSF4	0.391728	0.155786	0.138885	0.0768928	0.0579513	0.153539	0.220082	0.165779	0.0454363	0.148278	0.470289	0.0489399	0.148435	0.0747442	0.214313
TNFSF8	0.457333	0.184029	0.286872	0.378072	0.187357	0.676124	0.33281	0.39304	0.0428446	0.643384	1.15736	0.0611316	0.327494	0.336207	1.22697
TNFSF9	0.750585	0.830441	0.0344965	0.487019	1.92161	1.90551	0.698292	0.172941	7.2961	1.34331	3.37358	1.60125	0.816091	0.37776	0.538968
TNIK	0.615845	0.433589	0.473752	0.435588	0.314167	0.787542	0.295791	0.379685	0.0359793	0.308039	0.348889	0.104066	0.326963	0.264858	0.642926
TNIP1	11.9542	9.31786	9.8463	27.7236	18.7074	27.2091	10.841	8.80809	14.9027	18.5378	11.6915	10.2439	38.2752	12.3479	15.0017
TNIP2	4.41524	3.44527	4.07512	8.55029	7.86331	12.7667	3.18799	2.57221	3.37288	6.69546	6.76524	3.15921	10.1426	6.00332	5.36281
TNIP3	0.0674233	0.0162428	0.0348608	5.76699	0.248738	0.315755	0	0.0749003	0	0.380804	0.656471	0.0422128	1.04946	0.158573	0.823042
TNK1	1.45733	2.00347	2.02463	3.0363	4.1707	3.97894	1.75437	1.28108	0.839202	1.91857	0.768927	1.37146	2.07471	1.6351	1.34219
TNK2	4.94929	9.63957	8.71642	6.4287	26.8986	10.7342	7.21901	4.39739	8.10416	6.41083	4.13716	10.0742	7.70496	8.42974	6.55368
TNK2-AS1	0.2898	0.761785	0.854723	0.384217	1.05366	0.600186	0.670314	0.414413	1.55519	0.422501	0.201541	0.796162	0.16922	0.473306	0.261458
TNKS	5.03655	4.47584	4.6732	3.87348	2.91743	5.82619	4.50906	4.98817	3.28867	3.16221	4.05806	2.86198	2.71911	3.05571	4.10996
TNKS1BP1	20.948	31.5993	33.0475	41.8966	66.8889	47.6635	30.719	20.2319	27.2461	26.9557	10.1136	39.0115	67.6933	32.2839	25.2299
TNKS2	8.83449	9.06059	9.67654	10.3472	6.13668	9.80275	6.95767	9.31017	12.5744	11.7549	11.2473	8.56215	10.6693	9.10156	7.36349
TNKS2-AS1	0.121645	0.205137	0.0754753	0.188039	0.188957	0.129474	0.0347227	0.135135	0.0740753	0.0381694	0.102992	0.0217601	0	0.0476829	0.0436746
TNMD	1.15029	0.16544	0.184638	0	0	0.131568	0.392047	0.0305158	0	0.0215482	0.0581431	0	0	0.0179459	0.0739681
TNN	0.0739395	0.0601175	0.019115	0.0285738	0.251242	0.0314792	0.0369345	0.229989	0.0506531	0.0812014	0.198238	0.284368	0.271324	0.156991	0.13937
TNNC1	0.365767	0.272358	0.357604	0.1028	0.154953	0.226506	0.797275	0.0886535	0	0.0417341	0.150147	0	0	0	0
TNNC2	0.271871	0.720455	0.787189	0.0700428	0.686254	0.144684	0.737233	0.332223	0.57944	0.0853066	0.306909	0.0486328	0.0438525	0.12433	0.146416
TNNI1	0.097952	0.321288	0.330365	0.322239	0.251638	0.384946	0.176361	0.187496	0.165177	0.12294	0.0722995	0.191392	0.2771	0.114202	0.0541044
TNNI2	0.372812	0.525063	0.37959	0.265981	0.93548	6.81288	6.09029	0.560703	0.209559	1.87167	1.16545	1.82626	0.333051	2.72798	0.24711
TNNI3	0.0825555	0.397765	0.227652	0.39702	0.128237	0.0937265	0.502716	0.0489123	0.234601	0.172693	0.18639	0.118141	0.319586	0.287647	0.11856
TNNI3K	3.64E-05	3.93E-06	0.0626259	6.22E-10	5.22E-40	0.0168692	1.63E-07	0.00966616	0.00011231	6.25E-13	2.41E-06	2.04E-17	5.48E-25	0.0109447	1.62E-06

TNNT1	0.957172	2.71767	2.72902	3.59329	9.50503	0.247417	2.8883	1.26079	10.5748	4.80539	5.557	4.13376	8.1607	3.92168	0.785497
TNNT2	2.1275	3.18353	2.69011	0.623868	4.19138	0.839493	1.7774	1.92149	1.36926	3.19125	1.01535	3.09407	0.546829	1.65433	0.571327
TNNT3	0.631995	0.877264	0.933626	0.0930413	0.350609	0.243442	0.704411	0.58841	0.0916308	0.0755446	0.067947	0.236872	0.0970857	0.133696	0.259321
TNP1	0.230853	0.19465	0.143234	0	0.0896488	0.0982843	0.329476	0.307745	0	0	0	0	0	0	0
TNP2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0202606	0
TNPO1	5.80483	4.27479	4.15486	7.46856	1.50938	6.93548	3.95556	5.89731	4.07028	7.05099	8.15527	3.64314	9.48466	6.21848	5.80069
TNPO2	6.56681	9.38345	9.86778	7.78655	11.1039	15.134	9.32983	6.46594	7.34632	6.75558	5.89406	7.25913	8.27647	7.76732	6.68133
TNPO3	5.73897	6.02269	5.6394	8.8659	5.77798	8.94148	5.38538	4.96092	6.95248	6.33914	5.22741	5.54034	10.8015	6.44857	4.57879
TNR	0.00891832	0	0	0.0229765	0	0.0151877	0.00509133	0.00396293	0	0.0391769	0.0453045	0	0	0.00466111	0.0320196
TNRC17	1.16213	1.39983	1.51993	0.5874	1.74502	0.636134	1.39007	1.25412	0.080877	0.430633	0.137438	1.05724	0.0571278	1.53292	1.88355
TNRC18	9.46303	11.3005	11.9003	11.5074	28.1199	22.991	12.5595	7.9916	4.94915	5.38069	4.08321	6.82902	12.567	9.86527	14.6309
TNRC18P1	0.355105	0.289092	0.212728	0.694036	0.79887	0.291941	0.391466	0.217647	0.283348	0.199794	0.152054	0.490651	0.0553029	0.29439	0.615488
TNRC6A	8.30753	6.7673	6.73457	4.42562	3.65525	6.15957	5.75732	6.36656	3.18322	3.96733	2.88584	4.31651	5.01028	4.90572	5.72594
TNRC6B	7.51296	7.41059	7.31597	4.79417	5.00921	7.64592	7.0431	7.10063	3.66667	3.3529	3.54258	3.42352	4.72524	3.70718	5.52901
TNRC6C	2.87298	1.8373	1.89489	1.06144	1.87931	3.7471	2.11107	1.59745	0.519664	0.69552	0.634728	0.679204	1.39764	1.05446	1.9659
TNRC6C-AS1	0.776081	1.0872	0.889121	1.42692	2.2715	1.52885	0.552466	0.634851	0.165187	0.545043	0.412961	0.65897	0.34461	0.646563	1.12097
TNS1	25.8799	12.7152	15.357	8.2252	16.3556	57.2865	36.429	13.4902	2.97872	7.22489	9.64854	3.03759	11.2999	7.74754	31.5899
TNS2	11.0372	5.12574	6.1159	3.8335	11.2594	20.7062	9.96367	5.93608	0.953854	3.42969	5.31146	2.16554	3.85405	4.70531	15.6643
TNS3	6.03943	3.31095	3.20936	7.24128	7.91844	11.0533	4.65489	3.18045	0.947168	4.30099	7.51395	1.17381	5.93508	3.33112	9.1533
TNS4	23.5977	38.9781	47.3843	48.5777	19.034	42.5963	33.0819	32.0132	32.048	23.2047	13.7172	36.7301	38.0848	30.5597	16.6508
TNXA	0.037025	0.0255846	0.0584084	5.39E-05	0.036926	9.58E-06	0.0153729	0.0321927	5.87E-09	3.64E-08	0.0212784	5.85E-06	0.00875451	8.11E-06	0.0440865
TNXB	1.89808	1.93271	3.11271	0.258736	1.39986	1.64278	10.8501	1.6985	0.0402842	0.233126	0.146665	0.504567	0.702061	0.587763	1.8275
TOB1	17.4725	16.6911	19.0164	19.0295	14.0659	19.9603	18.3224	17.0146	61.845	20.8704	31.5834	22.5384	27.9894	12.2018	6.23016
TOB1-AS1	0.1472	0.259667	0.230017	0.11648	0.40067	0.271468	0.298787	0.15989	0.457558	0.0982492	0.240023	0.244633	0.136911	0.0586367	0.0234886
TOB2	7.422	10.9675	11.1057	9.1271	19.144	14.0165	11.5826	6.42935	23.6043	9.6017	11.6235	9.71441	10.6959	9.99441	7.13508
TOB2P1	0.10953	0.0248345	0.0319803	0.0265586	0.0500406	0.137152	0.0735634	0.0629855	0	0.0485193	0.145466	0.0276606	0.0997669	0.0336736	0.101782

TOE1	1.72995	1.38377	1.45602	2.78179	1.42775	2.36439	1.5244	1.22959	1.57896	1.14148	1.85675	1.0641	2.58435	1.33496	1.47285
TOGARAM1	3.04625	2.91316	3.24896	2.0328	2.14985	2.43895	2.41514	2.54876	1.48139	1.77738	2.17445	1.61818	1.107	1.88109	1.9825
TOGARAM2	0.0587056	0.0534277	0.0971308	0.0604978	0.0810578	0.138853	0.320246	0.0753605	0.0238323	0.0163737	0.00736348	0.107347	0.00841701	0.0477277	0.0936763
TOLLIP	9.07296	13.4492	14.8974	20.118	31.1795	24.7874	14.2198	10.4354	32.4068	17.2765	18.2818	18.7819	28.9258	14.6198	7.27982
TOLLIP-AS1	0.694292	0.32337	0.287183	0.286195	0.575186	0.610886	0.634176	0.43192	0.253671	0.319516	0.287382	0.182154	0.0895907	0.084669	0.199418
TOM1	10.7329	10.7796	10.8201	17.0582	31.0519	20.2366	14.1173	8.60176	38.9679	20.4305	21.1072	16.7103	27.9057	12.4261	12.1494
TOM1L1	3.95114	3.95864	3.45124	5.16485	2.30762	3.48927	3.53959	3.06125	8.19586	6.15686	5.80453	5.57136	8.38145	4.6372	1.17705
TOM1L2	9.82262	14.606	14.8394	12.4728	21.4654	15.0829	16.1591	9.90155	18.6278	10.7368	7.91962	15.1098	15.2024	10.5076	6.54015
TOMM20	26.4453	20.1305	22.098	23.4903	7.43409	29.6085	14.8461	22.6943	22.2487	17.1021	24.6129	14.4559	20.1722	16.3049	10.1231
TOMM20L	0.213377	0.0783325	0.0941585	0.0390977	0	0.0969148	0.137396	0.137692	0.046206	0	0	0.0542933	0.0250244	0.0594864	0
TOMM22	10.3212	7.31788	6.70581	18.1077	9.56732	17.834	10.0407	5.86155	10.9554	11.0795	21.9576	8.71804	13.8923	10.6922	5.71212
TOMM34	1.70552	1.54553	1.85008	3.73632	1.87729	4.96257	2.78554	1.88712	2.65487	2.89193	4.3734	2.32754	4.62018	3.08735	2.46556
TOMM40	9.00292	6.05181	5.93914	19.8528	12.7478	23.5992	8.57824	4.64541	8.97815	11.1868	19.2533	8.16947	25.2893	14.8541	7.54365
TOMM40L	1.70726	1.4546	1.61126	3.08053	3.0005	3.49894	1.3732	1.03769	2.05268	2.00553	2.61167	1.29657	2.72662	2.22592	1.30785
TOMM5	9.66637	7.405	7.25629	19.4486	4.56812	14.5454	7.15345	6.97708	20.0881	19.6749	42.1759	9.62464	18.1492	15.8378	7.63885
TOMM6	20.3789	15.6031	14.0565	35.523	12.5864	28.1284	15.842	12.2587	24.3241	27.6524	55.2799	23.2492	20.7891	20.622	11.1307
TOMM7	62.0317	38.1041	37.9716	63.6805	50.7165	63.1149	43.2824	35.0098	53.0787	64.9174	169.766	44.2578	29.5377	38.3829	25.3859
TOMM70	7.09432	6.33443	6.78245	8.88956	2.7618	7.95532	4.41506	7.19215	6.23409	5.20398	5.99286	4.16882	8.21322	5.76993	5.24786
TONSL	0.436285	0.752868	0.690564	2.31199	1.80673	1.76206	1.00393	0.549168	0.387041	0.556669	0.237243	1.02598	1.42985	1.1277	0.945138
TONSL-AS1	0.0836264	0.163486	0.163139	0.081809	0.230836	0.232594	0.048239	0.051591	0.164966	0.0728601	0.152909	0.306692	0.237211	0.275043	0.18008
TOP1	7.48227	8.0275	7.8759	21.0373	5.74287	16.3913	5.33537	6.56289	17.467	17.8489	15.9708	13.5846	27.2568	16.5007	9.57775
TOP1MT	1.90925	3.10532	3.49926	5.68519	5.29242	5.29922	2.96276	1.46242	2.23532	1.94617	1.54801	2.28693	3.64788	4.53724	2.04508
TOP1P1	0.172575	0.221708	0.205737	0.138166	0.0890258	0.122778	0.16448	0.231217	0.0232848	0.0603968	0.196478	0.0897448	0.0680027	0.0501131	0.0561685
TOP1P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP2A	1.38786	1.5816	1.29789	8.25387	0.481155	8.43662	1.38252	1.18694	1.3718	5.22572	7.03889	2.62799	6.24991	7.17787	2.71529
TOP2B	12.8775	11.8664	12.5031	12.5357	5.30228	14.5792	5.99305	11.3731	8.0214	10.2152	10.86	6.56324	11.5915	9.16925	10.4588

TOP3A	2.19226	2.06755	2.13968	2.9184	2.70169	3.75397	2.2622	1.96057	1.35601	1.70992	1.79166	1.6651	2.81096	2.44152	2.67161
TOP3B	1.67077	2.07726	1.87488	2.21604	3.60228	2.90361	2.46126	1.52231	2.25305	1.38256	1.4458	2.32308	1.9111	1.91447	1.97556
TOPAZ1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOPBP1	5.21942	3.78467	3.85123	5.41436	1.51182	5.3647	2.96004	3.80428	3.37767	3.74032	4.34619	2.49594	5.12359	3.55395	3.84687
TOPORS	4.09285	3.81579	3.87221	4.03492	1.47311	3.72116	2.43153	2.61223	5.23455	4.71238	4.63285	2.67855	5.05956	3.53327	3.40886
TOR1A	3.9341	4.17224	4.1273	7.5988	4.64301	8.00966	4.20325	3.21308	9.19446	6.42728	11.5494	4.24602	9.12498	5.11736	5.66565
TOR1AIP1	7.43852	5.127	5.99775	7.18904	3.21006	7.78718	5.58366	5.47933	8.60031	10.9481	11.3163	5.4531	17.3739	8.46139	7.92791
TOR1AIP2	3.0713	3.36072	3.39646	5.90206	2.23412	4.35611	3.09986	2.98729	7.21153	5.88821	5.06732	4.52162	8.50938	4.69416	3.95402
TOR1B	2.39492	2.54393	2.72667	4.02381	2.57832	3.98426	2.88787	1.96685	4.30294	4.03761	5.12162	2.63548	7.25679	3.51137	2.73565
TOR2A	1.1969	1.25462	1.22447	2.42921	2.98039	2.96407	1.42917	0.844466	1.84714	1.59397	2.60947	1.34672	1.963	1.50419	1.08907
TOR3A	4.29706	3.19492	3.96084	6.27147	5.96329	7.83783	3.15046	2.49099	3.12141	4.38031	7.33783	2.69228	5.18601	3.95016	3.75906
TOR4A	0.563077	0.386546	0.592858	1.3774	3.13638	4.6105	0.649398	0.414486	0.263223	4.82248	2.22154	2.16506	11.0016	4.50054	2.5158
TOX	0.380956	0.137663	0.250269	0.15588	0.156641	0.228973	0.27505	0.209112	0.0409377	0.0984403	0.240323	0.0881889	0.173499	0.076128	0.297687
TOX2	0.532684	0.355369	0.359318	0.430711	0.496465	0.949014	0.486561	0.247627	0.159692	0.617144	0.943631	0.42806	0.676794	0.663886	1.31816
TOX3	0.158195	0.065012	0.0808317	0.0191794	0.0144548	0.130739	0.0849987	0.219156	0.0169998	0	0	0	0	0	0
TOX4	8.63757	8.62296	9.54289	11.8874	7.69831	13.6082	9.70049	7.52146	19.3082	12.0617	12.1	8.77729	15.23	7.81652	6.76001
TP53	9.13618	11.8274	11.637	16.0817	13.4143	22.3139	15.5234	10.3434	10.2353	6.03815	13.1136	8.27441	5.591	6.93015	8.5612
TP53AIP1	2.64473	5.243	2.80029	4.20264	8.37315	4.19447	2.63548	1.78823	1.74572	3.1167	3.81363	2.99024	1.8757	2.99312	0.792492
TP53BP1	3.81462	3.63873	3.62776	3.52503	3.32771	4.70792	3.29696	2.7819	2.0158	2.28397	2.57143	1.83702	2.36694	2.78509	4.55441
TP53BP2	4.96789	4.27501	4.94527	7.47011	3.58816	5.79366	4.30377	3.82234	5.29692	6.73262	7.17382	4.90663	13.3141	6.38753	4.40697
TP53I11	3.32266	3.74474	4.71268	8.47099	4.62268	20.1771	5.68508	4.62618	1.02632	5.77795	6.67008	3.16994	9.02232	5.8213	6.64591
TP53I13	3.44361	3.39157	3.51911	4.51419	11.4455	7.30891	2.93439	2.08152	3.20712	8.89842	9.00393	4.76491	9.54878	5.40594	4.67272
TP53I3	2.53732	1.86393	1.27072	7.0001	7.33476	5.28013	2.20849	1.54712	6.11105	14.1237	17.006	6.00831	10.3436	5.90508	5.62109
TP53INP1	4.82766	3.95955	3.55681	3.82303	2.35336	4.65801	4.17026	5.20377	8.90136	4.50198	7.61764	3.2521	2.6577	2.43322	3.61648
TP53INP2	4.91715	3.22078	2.51904	5.73116	5.7991	13.986	5.11758	2.79912	20.1452	7.62973	8.85767	7.19429	9.54951	4.35126	8.21613
TP53RK	2.31225	2.08931	2.43506	2.75759	2.33408	3.6339	2.25618	2.24396	4.18648	2.70404	4.98811	2.2927	3.69642	2.59626	2.51268

TP53TG1	4.56986	3.99474	3.21343	6.25673	3.44787	6.14249	3.57786	2.1757	7.15573	4.58851	10.8335	3.73698	2.37982	2.59313	1.96887
TP53TG3	3.15E-13	0.00255727	0	1.83E-18	1.64E-13	0.00122929	0.00233593	0.00363642	0.017868	0	0	5.15E-11	0.00056884 9	0.00471555	0
TP53TG3B	3.15E-13	0.00255727	0	1.83E-18	1.64E-13	0.00122929	0.00233593	0.00363642	0.017868	0	0	5.15E-11	0.00056884 9	0.00471555	0
TP53TG3C	0.0198891	0.00200478	0	0	0.0103481	0	0	0	2.04E-13	0	0	0.0209407	0.0182766	3.63E-08	0
TP53TG3D	0.027105	0.0634106	0.0111311	0.0277321	1.75E-13	0.011457	0	0	0.324936	0	0	0.131002	0.0132509	0.0555514	0
TP53TG3E	7.05E-13	5.74E-21	0	4.09E-18	3.67E-13	0.00274586	0	0	7.67E-26	0	0	2.79E-26	0.00127064 5	0.00089908	0
TP53TG3F	8.42E-13	6.85E-21	0	4.89E-18	4.38E-13	0.00327712	0	0	9.16E-26	0	0	3.33E-26	0.00151648	0.00107304	0
TP53TG3HP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TP53TG5	0.0591307	0.0717555	0.21708	0.171977	0.141886	0.0930215	0.137137	6.57E-20	1.81E-17	0.0549559	0.262231	0.160064	0.187757	0.182495	0.267345
TP63	18.7695	30.9367	35.3301	55.0827	14.1963	31.5057	20.0975	34.1721	33.1066	28.5879	23.4899	41.431	51.5384	33.7096	10.5766
TP73	1.31784	2.88495	2.27688	2.36375	5.06633	3.93977	1.59448	1.42789	0.856255	0.68548	0.923078	1.10421	0.956332	0.681252	0.209551
TP73-AS1	1.55085	1.62265	1.8932	1.31795	2.53835	3.3306	1.85352	1.30524	0.45519	0.700573	0.96689	0.676703	0.653097	1.01372	1.89576
TPBG	5.59776	5.36846	3.95904	8.12833	14.1852	12.6384	3.11587	5.11084	12.0217	12.0965	17.1389	9.86815	17.6853	10.2763	7.55156
TPBGL	0.0909191	0.0119472	0.0478639	0.22146	0.0770339	0.563029	0.0849342	0.102838	0.0100663	0.134861	0.354562	0.0118282	0.154651	0.0302389	0.154312
TPCN1	4.70895	3.83627	4.02739	3.78999	7.63272	8.66825	5.92633	4.12767	4.04961	2.90754	4.86646	3.13611	3.57146	4.12172	6.55578
TPCN2	1.98001	2.59132	2.73889	1.73201	3.74798	3.66596	3.15448	1.82105	1.12159	1.72802	1.72057	1.67703	1.71718	2.44992	2.71789
TPD52	3.42565	4.21577	4.35002	4.19368	1.82483	3.72115	2.7041	5.45404	4.93319	4.68288	5.76094	4.71066	5.89695	2.80469	1.47792
TPD52L1	6.61825	4.70494	3.10599	8.18435	4.18976	11.0581	4.96162	3.23311	11.5582	6.57212	11.2019	7.06458	6.19297	5.09924	1.55422
TPD52L2	13.4111	11.5228	11.6546	34.4971	21.4243	41.5465	12.9181	10.0382	32.0287	30.3032	46.8933	18.5036	46.4137	22.0843	15.5231
TPD52L3	0.00662176	0	0	0	0	0.00563834	0	0	0	0	0	0	0	0	0
TPGS1	2.70072	2.06197	2.16548	3.18994	6.64769	5.58985	2.49059	1.2924	3.947	3.93724	9.82642	1.93243	4.2892	2.73616	3.69956
TPGS2	2.43649	2.87534	2.65431	4.72295	2.72162	5.15725	3.66819	2.42972	5.10979	6.05152	8.42837	3.82986	5.92004	3.89427	2.9549
TPH1	0.357028	0.393192	0.253164	0.223385	0.0396134	0.0760011	0.174704	0.396621	0.0465878	0.0480114	0.0143943	0.027371	0.0740419	0.113292	0.18312

TPH2	0.00980638	0.00472486	0	0	0	0.02505	0	0	0	0	0	0	0	0	0
TPI1	57.706	39.0804	38.5691	165.639	87.0626	172.217	54.5424	37.966	147.329	168.569	258.905	106.332	223.72	123.929	61.5645
TPI1P2	0.137688	0.182435	0.189842	0.390201	0.196054	0.381028	0.104805	0.183548	0.209611	0.172813	0.155433	0.229879	0.333133	0.143923	0.197737
TPI1P3	0.383021	0.184432	0.332574	0.315639	0.356861	0.326533	0.393162	0.187158	0.256629	0.288343	0.281127	0.192125	0.284673	0.290048	0.219306
TPK1	0.449313	0.236469	0.263051	0.612624	0.12885	0.612134	0.276236	0.301019	0.0336746	0.216897	0.561841	0.0741912	0.731425	0.249281	0.416943
TPM1	13.0541	5.56469	6.24302	3.04184	7.3396	8.87366	7.17409	6.03018	2.58377	13.043	27.7415	2.11581	7.6759	7.38404	19.9443
TPM1-AS	3.31478	1.42727	1.69714	0.211985	2.01482	0.896649	3.18372	1.74033	0.116711	0.52494	0.621188	0.462518	0.27835	1.27961	4.06327
TPM2	24.8337	5.02278	6.37372	9.80353	29.2575	54.8371	24.6442	4.82176	2.90093	26.408	65.8471	5.08146	11.602	19.7498	36.4881
TPM3	7.04932	4.5939	5.10121	14.9173	5.48563	16.6367	5.11388	5.53125	6.18971	14.561	16.0852	7.76487	24.715	12.1766	9.06673
TPM3P9	1.27082	1.67336	1.37127	1.32588	2.69741	1.68697	1.34283	1.15044	0.394137	0.584505	0.463347	0.598671	1.08984	1.415	1.55299
TPM4	52.4597	50.03	59.6028	174.4	56.7306	178.272	41.8138	40.9976	173.623	189.784	219.304	113.621	309.936	168.058	129.669
TPMT	2.3764	1.82589	2.14942	3.89874	1.19109	3.11887	1.41092	2.37103	4.76964	7.85823	7.5901	3.59119	9.80857	3.82877	2.53003
TPO	0.941612	0.173675	0.194742	0.379046	0.205685	0.63891	0.965912	0.804137	0.0089592	0.101563	0.274045	0.015791	0.0569553	0.0384475	2.03898
TPP1	7.39556	7.3633	7.52708	18.6719	11.8542	22.3554	10.2241	9.45424	7.67466	13.5163	22.6575	8.46488	18.744	8.96982	16.3783
TPP2	5.48674	4.45499	4.84001	5.48625	2.05275	4.36214	3.65276	4.48589	3.52957	4.36176	4.73979	3.05816	4.73803	4.15056	5.03287
TPPP	1.19904	3.96625	5.9357	1.12476	1.68344	0.562842	4.69067	2.47959	0.449323	3.46325	0.143166	5.07618	4.33175	2.17728	1.31908
TPPP2	0.0290377	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TPPP3	15.8243	26.4963	38.5579	9.96673	15.3042	2.07161	43.9413	15.4392	6.07303	47.2919	18.7031	88.6451	63.6179	33.8178	18.423
TPR	10.9751	9.13259	8.98699	8.37449	3.83323	12.55	3.51242	5.54942	7.60235	8.77089	7.88342	6.93663	11.331	8.52916	9.32762
TPRA1	2.15682	2.3632	2.48345	3.77902	5.75359	3.86178	2.77898	1.79366	7.01971	2.45198	5.20325	2.22732	3.44465	2.47415	2.20205
TPRG1	2.43012	4.37065	5.7664	3.519	2.83111	2.27073	5.20097	5.00314	10.3236	2.88325	5.66519	2.83915	1.15959	1.24032	0.590747
TPRG1-AS1	0.69728	0.655922	0.247217	1.19761	0.670501	0.678542	0.454932	0.383614	0.242631	0.458416	0.262381	0.451406	0.36419	0.190891	0.429164
TPRG1-AS2	6.97E-22	0.130136	0.222155	0.0702572	1.58E-25	0.271632	0.0662698	0.232863	0.0905711	1.07E-25	2.59E-27	2.80E-28	1.40E-44	1.16E-21	5.05E-13
TPRG1L	12.3487	10.0159	9.82127	14.8581	14.2937	19.9983	11.3557	7.59315	28.6386	21.112	20.4096	15.2836	22.6099	10.4609	6.65549
TPRKB	3.01207	1.77492	1.82851	4.17592	0.370263	2.63854	0.890696	2.7539	2.42797	2.96453	5.13706	1.27142	4.05451	2.41232	1.55601
TPRN	2.19907	3.2295	3.58752	2.03959	6.87283	4.43404	3.21386	1.79019	5.27075	1.98725	2.47255	2.33507	2.38364	1.99524	1.30116

TPRX1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00657725	0
TPRXL	0.655378	0.843702	0.304974	1.78344	0.811242	1.30792	0.350761	0.482338	0.586161	1.37523	1.47968	1.48742	2.43137	0.995476	0.308833
TPSAB1	45.501	12.3108	17.4136	22.343	26.4254	2.1076	19.216	28.26	13.7691	13.8097	37.5065	8.17656	15.5747	9.02595	22.3683
TPSB2	2.77209	26.5735	39.1746	11.5743	65.9525	4.18281	38.2086	5.816	16.7592	16.8629	58.1248	17.5166	33.5872	22.7346	13.2497
TPSD1	0	0.670211	0.857263	0.196545	0.926678	0.0233895	0.437345	0.0968363	0	0.0342764	0.0307626	0.369912	0.123253	0.471189	0
TPSG1	0.31736	0.211913	0.253297	0.0450031	0.520531	0.0370407	0.937159	0.417859	0.0255074	0.0525736	0.189145	0.149859	0	0.171817	0.554877
TPST1	5.11156	3.24027	3.0898	4.96527	3.61069	4.65988	4.23866	3.34938	3.22946	3.69636	9.286	1.50981	3.56004	2.74819	5.39625
TPST2	2.11627	2.07858	1.81819	2.82513	3.67331	2.62859	2.21678	1.88766	2.88476	3.54802	6.80752	2.8618	4.9982	2.73773	2.91097
TPT1	184.607	122.041	126.498	274.349	60.3324	183.947	107.139	149.149	299.98	308.809	493.684	203.227	308.705	193.054	103.453
TPT1-AS1	2.92478	3.39419	3.87758	2.56852	2.97508	1.77175	3.10619	1.82442	0.741071	2.0431	2.1071	1.71781	0.690369	2.16858	4.01952
TPTE	0	0	0	0	0	0	0	0	0	0	0	0	0.0162204	0.0394713	0
TPTE2	0.0320985	0.019332	0.0265542	0	0.012465	0.0341644	0.0183245	0.0142633	0	0	0.00905881	0	0	0	0.0230488
TPTE2P1	0.0571698	0.0430395	0.0295593	0.0441864	0.011549	0.0243397	0.0603201	0.023048	0	0.0241854	0.0040336	0.0164396	0	0.028012	0.0410515
TPTE2P3	0.00885689	0.00426738	0	0.0273818	0	0	0	0.0236138	0	0.0222326	0.0199966	0	0	0.00925799	0
TPTE2P5	0.33152	0.44183	0.448204	0.168869	0.203394	0.183448	0.213453	0.369249	0.109174	0.0611739	0.0452095	0.131208	0.021425	0.195907	0.20761
TPTE2P6	0.0426364	0.0369772	0.0282175	0.0351505	0.131388	0.0145217	0.0220814	0.0662491	0	0.027902	0.00962624	0.0217816	0	0.00891346	0
TPTEP1	2.60562	2.29252	2.7982	3.90063	4.77646	3.41408	1.7924	2.18383	6.01162	4.69219	3.92798	5.28861	4.95982	3.41498	0.488086
TPTEP2	0.517307	0.551424	0.939131	0.43333	0.313736	0.959081	0.517201	0.568343	0.391817	0.432625	0.628544	0.214112	0.200887	0.842652	0.612045
TPTEP2-CSNK1E	1.70148	1.08303	0.892089	0.648632	0.16281	1.26242	2.02778	1.13394	0.652851	0.480111	0.135362	0.158434	0.398342	1.00685	1.17758
TPX2	2.37624	1.26062	0.852192	6.3499	1.38417	7.0171	2.77084	1.2581	3.52513	4.27534	5.63606	1.78166	7.2824	6.22615	2.41422
TRA2A	7.63492	8.9956	9.1823	11.3155	4.98306	9.55252	4.36389	7.30659	6.36272	9.75518	14.7235	7.69276	10.8455	9.71943	7.87141
TRA2B	8.09577	7.01603	7.28236	12.3919	3.95708	12.4543	5.07773	7.34837	6.30361	10.4657	14.324	6.30629	14.1582	10.4007	7.30926
TRABD	5.43094	6.05399	5.83916	10.2477	17.0486	14.3888	4.65608	4.17911	7.91642	7.16077	7.30578	9.07181	11.0187	8.32247	5.63903
TRABD2A	0.226206	0.101205	0.147034	0.216461	0.0669288	0.2293	0.0676434	0.124449	0.0196781	0.128436	0.170239	0.084782	0.180696	0.098521	0.262983
TRABD2B	0.951535	0.559993	0.408569	0.681998	1.52921	1.10459	0.823283	0.517921	0.116287	0.173562	0.23416	0.327467	0.520456	0.631537	0.789653
TRADD	3.04962	4.63925	5.08413	9.63558	19.5015	8.66012	3.99453	2.03612	9.40776	7.22774	10.0658	6.23608	10.1276	5.81724	3.71269

TRAF1	1.31017	1.44288	2.00034	1.10516	2.1373	1.79616	1.07429	1.19584	0.351165	0.761887	0.759499	0.550173	1.01503	1.07076	1.38757
TRAF2	1.56523	2.68361	2.90925	3.30982	6.17309	4.37046	1.7059	2.04141	1.91865	1.84972	1.89316	1.99266	3.16079	2.47011	2.16029
TRAF3	2.48812	2.95114	3.24261	3.66513	4.03133	4.93665	2.28697	2.10544	1.72535	2.25995	2.38881	1.86977	4.80642	2.64277	2.96204
TRAF3IP1	1.91196	1.6208	1.90722	1.89038	1.17937	3.26071	0.91117	1.41845	1.1474	1.11291	0.938419	1.34823	1.963	1.74655	1.58382
TRAF3IP2	3.68394	3.5168	3.6906	8.85532	3.76243	7.94566	3.51212	3.89336	6.33396	4.95608	5.87906	3.73021	10.566	5.62829	4.16479
TRAF3IP2-AS1	0.787831	0.759101	0.737714	0.714634	0.626873	0.593037	0.873677	0.809863	0.16251	0.428902	0.459247	0.419168	0.251978	0.656645	1.12642
TRAF3IP3	0.522311	0.199763	0.356742	0.383991	0.817254	0.367797	0.287353	0.343494	0.0632261	0.715427	0.552105	1.04303	0.442938	0.402551	0.657325
TRAF4	3.30159	2.43609	2.41464	7.15816	4.85598	6.09107	2.45847	2.11913	2.67093	3.75348	5.59963	2.92729	9.67839	5.1725	2.59981
TRAF5	2.15155	1.02053	1.45252	1.14308	0.658028	1.78455	1.44467	1.26319	0.386941	1.06337	2.17084	0.538422	0.852322	1.67217	3.11391
TRAF6	2.4525	2.0422	2.2055	1.92377	0.99946	1.95562	2.04908	2.47192	1.92566	1.97363	2.17904	1.31509	2.47777	1.82918	1.80665
TRAF7	10.6547	12.9819	12.5732	25.0494	23.2461	31.4312	13.9982	9.1311	22.5656	16.5719	16.7142	16.9917	26.5411	17.5398	11.1221
TRAFD1	6.63934	7.5377	8.75688	7.50978	7.83666	11.7838	6.54985	5.0141	10.6661	6.68839	7.16619	5.36525	10.3382	5.49416	4.09833
TRAIIP	0.537413	0.49583	0.444586	0.930888	0.266422	1.1586	0.874707	0.32518	0.264588	0.473591	0.735751	0.237265	0.95168	0.729081	0.344844
TRAK1	5.45622	7.60813	6.99328	6.38075	7.54285	6.44549	6.72549	5.01637	6.62888	6.03624	4.12129	6.40223	6.89061	5.16492	4.93758
TRAK2	4.51727	2.76418	3.00369	3.42744	2.15904	7.57203	4.14962	3.31502	1.03208	4.12985	6.53641	1.129	4.06752	3.10034	7.21555
TRAM1	10.9152	7.09943	7.43514	12.3818	3.17793	13.8252	8.08786	13.2054	9.60654	16.5052	23.1015	6.94696	20.04	9.82428	13.5104
TRAM1L1	0.901974	0.649127	0.510045	0.341213	0.159616	0.729132	0.78216	0.892921	0.444963	0.2866	0.721773	0.138881	0.272558	0.0895084	0.491904
TRAM2	4.24688	2.92948	3.47805	3.19369	3.20929	9.45788	5.71765	3.38082	0.794805	3.35046	5.94925	1.8256	4.20426	5.17451	8.10539
TRAM2-AS1	0.832354	0.592843	0.553859	0.419559	0.210804	1.34814	0.454517	0.47439	0.0991676	0.760806	1.01112	0.0712096	0.227654	0.293169	0.740607
TRANK1	1.43009	1.29091	1.53114	2.7296	1.71686	4.32885	1.14248	1.09852	0.377012	0.834526	1.0976	0.413362	1.25322	0.830595	3.51276
TRAP1	10.2612	10.2815	11.3907	17.1084	12.338	20.4018	12.0152	8.00844	7.15688	8.64071	11.2082	8.89287	14.639	10.4518	5.15338
TRAPPC1	12.9697	12.6263	10.7295	31.2872	25.1519	36.7592	16.7544	11.7394	26.9531	22.0611	45.6975	20.2753	24.5028	16.0069	16.752
TRAPPC10	4.90877	4.37698	4.88116	5.0249	4.20899	6.08018	5.10767	3.84479	5.71528	5.0356	3.92324	4.27576	6.60675	4.44176	4.72317
TRAPPC11	5.35124	4.93382	4.64969	6.08028	2.3682	6.39557	4.39237	4.86412	4.77805	6.37825	6.20156	4.17083	6.42987	4.54704	4.48116
TRAPPC12	6.46428	9.11868	10.445	8.32466	15.4534	10.2591	9.29662	6.43754	7.19162	4.96007	5.97246	6.13429	7.64918	6.40718	6.47871
TRAPPC13	1.80421	1.29153	1.13225	1.80753	0.455472	1.26455	1.0348	1.61699	1.40246	2.00069	2.29305	0.880223	1.4065	1.47045	1.23678

TREX1	5.14812	4.66941	6.51703	3.61538	6.77501	7.38629	6.39685	3.62141	2.66809	3.21155	6.01512	2.27961	2.37381	1.48953	2.50279
TREX2	2.02847	3.1364	3.46298	24.5717	11.9735	9.15426	5.68484	2.27801	76.8985	11.9196	37.9498	25.0965	12.3381	9.05963	2.06569
TRG-AS1	0.197466	0.0729424	0.119796	0.169579	0.09202	0.179349	0.105215	0.157942	0.00801639	0.12392	0.178332	0.0141292	0.0637021	0.116965	0.226869
TRH	0.012245	0.0176995	0.0405197	0.0252377	0.0190207	0.0104265	0.0838857	0.032647	0	0.0307375	0	0	0	0.0191993	0.0351707
TRHDE	0.329674	0.0564631	0.0297873	0.0651906	0.0712678	0.443782	0.101533	0.181549	0.052469	0.024722	0.0313927	0.0117909	0.0107578	0.0152502	0.0419046
TRHDE-AS1	0.172369	0.033076	0.0138496	0.0269905	0.244391	0.166564	0.0686526	0.0613713	0.0171295	0.00614015	0.0144219	0.0166055	0	0.00802359	0.0165355
TRHR	0.0654683	0.0236577	0.02708	0.0337335	0	0.0278727	0.093437	0.0727285	0	0	0	0.0117111	0.0211199	0.0427708	0.0940208
TRIAP1	4.77741	3.915	3.90362	8.05075	2.55476	5.98516	3.93454	4.08916	8.9183	6.16817	11.7808	4.45509	4.85093	3.85789	2.2495
TRIB1	2.62835	4.88722	6.7782	10.0777	3.81439	7.28135	4.34647	4.21661	7.33389	13.6679	10.8446	9.42547	20.3608	10.0154	9.12649
TRIB2	4.74839	2.84967	2.57244	5.63489	3.76952	9.69656	3.10659	2.96423	1.36898	2.70954	4.77923	1.60483	2.76538	3.25861	5.61984
TRIB3	0.601222	0.869034	1.37938	0.908713	1.02107	2.42315	2.91972	0.755167	1.34729	2.57569	4.29846	0.739928	2.56018	2.01522	0.897968
TRIL	1.57492	1.02794	0.704466	2.53829	2.24727	1.37221	0.930459	0.874785	0.239759	0.321786	0.677044	0.19	0.16837	0.160317	0.401072
TRIM10	0.00244822	0.0224122	0.0303801	0	0.00126765	0.00416926	0.0139765	0.036263	0.00099388	0.00204851	0	0	0.00631832	0	0.00117199
TRIM11	2.84666	2.87572	2.95259	4.73269	8.24252	5.88031	3.16184	2.37701	4.69237	3.2814	2.99993	3.02144	5.12153	3.97342	2.53194
TRIM13	2.3829	2.94825	2.70376	3.55646	1.88281	2.44545	1.74542	2.55646	3.97923	3.21589	4.54359	3.09985	2.71163	3.12313	3.27146
TRIM14	4.42182	5.17511	5.31475	13.2205	5.42629	14.8768	3.82807	5.79426	4.93295	3.16864	4.37977	3.40455	4.51093	3.05078	1.89572
TRIM15	0.00390227	0.029456	0.0527278	0.00268093	0.00606157	0.00110758	0.0118813	0.013872	0	0	0	0.00558435	0	0.00067983	0
TRIM16	5.71114	8.3919	8.65652	18.244	14.348	11.2694	8.27796	5.17312	33.1783	25.5984	16.8381	17.2903	40.9495	15.9543	7.32348
TRIM16L	1.14898	0.821018	0.859139	1.52032	1.28506	1.08348	0.502501	0.822286	1.53831	2.22248	2.15508	2.47109	1.98704	1.48951	0.65556
TRIM17	0.465496	0.753252	0.726587	1.30336	2.08737	0.957256	0.611713	0.522972	0.117663	0.672433	0.148723	0.471332	0.578004	0.858395	0.769418
TRIM2	3.6633	2.09725	2.59159	1.91229	1.90922	3.35154	2.34461	3.00257	1.4823	2.12961	2.18616	0.840845	1.93417	1.2879	2.25163
TRIM21	1.99157	2.32378	2.1736	6.14476	3.5036	9.17366	2.19173	1.71663	1.92872	1.9726	3.76512	1.02155	5.27915	2.00025	2.37772
TRIM22	5.91489	4.66081	3.91461	14.1895	5.67559	20.8661	3.45367	4.57135	1.23101	3.30784	7.18436	1.22683	3.40085	1.9605	11.8064
TRIM23	1.94046	1.65831	1.65437	1.53493	0.820378	1.71796	1.38218	1.78252	2.48611	2.18225	3.24896	1.12944	1.84925	1.59103	2.02827

TRIM24	3.18477	2.57325	2.74943	2.6387	1.61609	3.19901	2.24379	2.21908	2.59752	2.2779	3.3603	1.39374	3.02067	2.02096	2.19971
TRIM25	8.01385	9.47536	9.8461	17.227	9.96362	17.5961	9.60078	9.36715	13.1556	5.11254	7.36375	5.24114	7.06296	4.70851	7.59737
TRIM26	0.923618	0.953006	0.920904	1.21867	1.4961	1.58185	0.876808	0.663128	1.02859	0.642898	0.410689	0.775161	1.21317	0.794707	0.703184
TRIM27	0.766416	0.743894	0.684062	1.07725	1.0103	1.50695	0.635517	0.545121	0.533591	0.830266	1.67883	0.514834	0.933236	1.02688	0.918112
TRIM28	18.9352	20.745	23.1313	37.2212	40.092	47.6434	25.013	15.0695	28.3857	19.0047	18.5678	23.5437	38.2403	23.8519	17.2416
TRIM29	144.458	192.091	167.772	251.349	300.33	241.786	214.328	138.626	474.56	236.248	151.768	317.447	289.073	141.136	51.4884
TRIM3	2.11442	1.89666	2.17666	1.41528	2.58741	2.6977	2.15801	1.31116	1.1675	1.16051	1.06682	1.25023	1.51774	1.62743	2.11877
TRIM31	0.00152538	0.0110243	0.0227142	0	0.00710832	0.00519536	0.00348326	0.00271126	0.00185774	0.00382901	0.00688785	0.00327435	0.00393667	0.00876953	0
TRIM31-AS1	0	0.00541164	0.0278751	0.017362	0	0.0095637	0.0128241	0.00499093	0.00683951	0	0.00633963	0.00401831	0.0181167	0.0176106	0
TRIM32	2.78165	2.45261	2.5174	3.71947	2.51325	4.25488	2.39444	1.99095	2.0387	3.03825	3.32278	1.95027	3.45691	2.70272	2.94024
TRIM33	5.33687	5.08115	5.45956	3.93537	2.25895	4.13547	3.95143	6.00076	5.84395	4.04753	4.19189	4.14033	4.64839	4.02501	3.28817
TRIM34	0.723005	1.42887	1.37869	1.75445	0.754958	1.45069	0.654274	1.001	1.12209	0.76813	1.4181	0.470316	0.748233	0.55795	1.08892
TRIM35	7.8018	6.98315	8.69909	5.30553	6.56942	8.11524	6.52169	6.53489	5.59053	3.6944	3.24873	4.02833	5.23489	4.17196	2.78148
TRIM36	0.154346	0.142358	0.244427	0.186325	0	0.120159	0.0956661	0.22731	0.0590781	0.116232	0.104542	0.0599524	0.281678	0.0645343	0.164662
TRIM37	1.98792	2.05191	2.29363	2.41711	1.51192	3.36196	1.73012	1.49713	1.81765	2.32119	2.38589	1.82361	2.60828	2.38633	2.22966
TRIM38	4.33341	4.23325	3.65633	5.02498	4.42579	7.8908	2.72267	3.82925	3.20963	4.10238	4.24211	1.97396	3.62618	3.42948	5.75687
TRIM39	0.268481	0.218343	0.220685	0.231345	0.253167	0.355001	0.220555	0.176266	0.182657	0.263781	0.163483	0.257138	0.325553	0.311316	0.284791
TRIM39-RPP21	0.0192356	0.0724297	0.100141	0.0456889	0.306698	0.217087	0.159517	0.0558924	0.100296	0.143919	0.103396	0.0630847	0.0966949	0.0803476	0.0116676
TRIM4	4.53756	5.95573	5.68059	6.31061	7.4851	7.51077	5.40246	4.0921	9.0229	3.97315	4.94862	4.06088	2.80673	3.67277	3.80612
TRIM40	0	0	0	0.00143086	0	0	0	0	0	0.00348535	0	0	0.00179167	0.00072567	0
														6	
TRIM41	4.25205	4.6697	4.60477	5.50176	10.668	8.30632	3.49867	2.81309	3.51646	2.79923	2.56049	4.71964	3.8114	4.31584	3.20296
TRIM42	0.054369	0	0	0	0	0.00771574	0.0103461	0.0241593	0	0	0	0	0	0	0
TRIM43	0	0	0	0	0	0	0	0	0	0.00778419	0	0.0197725	0	0.00648291	0
TRIM43B	0	0	0	0	0	0	0	0	0	0.00959736	0	0	0	0.00799297	0
TRIM44	7.51968	6.34869	6.43554	9.10242	5.28891	13.0593	4.98146	6.09599	3.28205	4.69982	5.23978	4.02311	6.33178	6.14654	7.15379

TRIM45	1.18914	1.25447	1.21685	0.599403	0.863342	0.731889	0.639167	0.574354	0.495866	0.689469	0.342894	0.735257	0.662987	2.334	0.436221
TRIM46	0.0667646	0.0643364	0.115486	0.0562933	0.235701	0.201556	0.0762297	0.124064	0.014784	0.121886	0.116479	0.0738293	0.0430762	0.218881	0.305081
TRIM47	5.63492	5.89808	5.86296	14.7123	17.0929	21.9526	10.2286	3.78997	7.48545	7.93239	10.0323	7.11991	11.5799	9.7438	7.62248
TRIM48	0	0	0.0132495	0	0.0664915	0.0409121	0	0	0	0	0.01808	0	0	0	0
TRIM49	0.0138923	0.0103104	0	0	2.14E-12	0	0	0.00475442	0.130307	0.0470015	0.17832	0.183739	0.0621293	0	0
TRIM49B	0	0	0	0	0.0264527	0	0	0	0	0	7.94E-27	5.04E-34	0	0	0
TRIM49C	0.0138923	4.58E-18	0	0	2.14E-12	0	0	0.00475442	9.16E-07	0.0470015	0.00285594	0.0306232	1.08E-07	0	0
TRIM49D1	0	0	0	0	0.01612	0	0	0	0.0476096	0.0196258	0.0353039	0.00559426	0	0.00817246	0
TRIM49D2	0	0	0	0	5.90E-05	0	0	0	0.00017439 6	7.19E-05	0.00012932	2.05E-05	0	2.99E-05	0
TRIM5	1.56859	1.90467	1.7738	3.58493	1.80777	3.92076	1.41544	1.30972	1.11695	1.86554	2.956	1.06806	2.76273	2.17846	2.87037
TRIM50	2.56E-42	0.0184689	0.0310094	0	0.14354	0.116691	0.0744597	0	0	0	0.0416085	0.0181972	9.33E-11	9.42E-37	0
TRIM51	0.0568975	0.0274141	0.0353022	0	0.0441907	0.0605593	0	0.0252829	0.121266	0.0357061	0.0321151	0.0305338	0	0	0
TRIM51EP	0.0341544	0.00658245	0.00565099	0	0.0106107	0.0232656	0.00779929	0.0182122	0.033277	0.0257204	0.0771122	0.0146631	0.00881451	0	0
TRIM51HP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRIM52	2.25642	2.22127	2.34786	1.56745	1.5673	1.26886	1.49295	1.8719	0.301111	0.853179	0.683618	0.661694	0.576552	1.4709	1.52459
TRIM52-AS1	2.01306	1.16941	1.13385	1.16232	1.46369	1.36155	1.14107	1.2942	0.452083	0.519655	1.46665	0.326899	0.672437	0.552173	0.984173
TRIM53AP	0.00939107	0	0	0	2.50E-36	0	0.00764141	0	0	9.33E-40	0.0453307	0	0	0	0
TRIM54	0.044938	0.00541295	0	0	0.017451	0.0286981	0.0384815	0	0	0	0	0.00803858	0	0.0117433	0
TRIM55	0	0	0.0134308	0.00836534	0.0252186	0	0	0.00721418	0.00988623	0.0101883	0.00916367	0	0	0	0
TRIM56	3.22915	4.5684	4.4023	4.03469	7.90836	8.55749	3.48553	2.71303	0.584838	1.50062	1.17823	1.60581	3.26583	2.82478	3.93375
TRIM58	0.189683	0.0614413	0.0855258	0.0740096	0.364859	0.168162	0.147869	0.119672	0.0273328	0.467973	0.0810725	0.0548995	0.300781	0.40819	0.0966922
TRIM59	0.700989	0.457274	0.283202	1.09187	0.148397	0.837416	0.369785	0.859611	0.49764	1.14497	2.00259	0.625748	1.00453	0.968837	0.64455
TRIM59-IFT80	0.548061	0.584866	0.701613	0.530627	0.11373	0.277473	0.4246	0.576508	0.385162	0.486506	0.460103	0.344708	0.202184	0.572614	0.71939
TRIM6	0.674842	0.447731	0.242278	0.781449	0.359939	1.27489	0.248469	0.198769	0.201996	0.485397	0.806437	0.285904	1.40436	0.441861	0.331129

TRIM6-TRIM34	0.528921	0.107533	0.140212	0.322142	0.489143	0.678425	0.228374	0.0197995	0.0670301	0.335658	0.171788	0.130215	0.2982	0.154318	0.00076421
															5
TRIM60	0	0.0221559	0.0577957	0.0240146	0.0547803	3.68E-29	0.0765287	0.0306066	0.0279619	0	0	0.0294519	0	0.0300576	0
TRIM61	0.629843	0.409329	0.52105	0.392462	0.318537	0.411581	0.200689	0.338454	0.107034	0.238994	0.38031	0.188652	0.226812	0.505258	0.63107
TRIM62	3.346	3.95199	3.87813	3.83724	5.90128	4.422	4.95451	4.18167	13.9161	2.23101	3.80999	5.63209	2.21129	2.27094	1.40153
TRIM63	0.366105	0.220494	0.421851	0.040423	0.446826	0.478733	0.238861	0.348604	0.0636963	0.0656427	0.0295205	0.205824	0.0927964	0.0341683	0.131443
TRIM64	0.0452897	0.0570138	0	0	1.45E-19	0	0	0.00017778	0.0487014	0.00012553	0.0511265	0.0283852	0	0	0.00014364
								2		8					4
TRIM64B	0	0.0254735	0	0	0.0519496	0	0	0.0295251	0.251536	0.0208486	5.75E-24	0.0762433	0	0	0.0238556
TRIM64C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRIM65	3.09561	3.18405	3.6298	4.80601	4.92353	4.75603	2.89672	2.63748	1.47526	3.16736	4.05674	2.43169	4.69789	3.42218	2.75439
TRIM66	2.19732	3.2287	2.63244	1.64573	2.42536	1.89928	2.98025	2.39355	0.843864	1.40871	0.640216	1.8439	0.560344	1.41506	1.49603
TRIM67	0.0271568	0.151781	0.0561651	0.0251873	0.839461	0.0763082	0.0527116	0.0579233	0.598639	0.0647608	0.09197	0.122418	0.0543165	0.0156127	0.0429007
TRIM68	1.23586	1.26043	1.30227	1.54396	1.71595	3.25102	1.2534	0.993227	0.327935	0.883886	1.09896	0.700495	1.15819	0.757777	0.92213
TRIM69	0.145325	0.22173	0.180335	0.361925	0.150494	0.567153	0.138273	0.139916	0.117993	0.106399	0.136712	0.199303	0.117204	0.158236	0.469587
TRIM7	2.9474	4.70364	5.06293	3.45224	8.37495	3.14627	3.96168	2.24459	7.32513	3.87372	4.29566	3.77552	3.80019	2.57992	1.06681
TRIM71	0.00266472	0.0102712	0.00881776	0	0.0248353	0.0113449	0	0	0	0	0	0	0.00515778	0.0013927	0.0229612
TRIM72	0.0752794	0.0569969	0.0800697	0.0886602	0.517855	0.137356	0.135067	0.086017	0.563189	0.0269953	0.0242803	0.107729	0	0.0168619	0
TRIM73	0.852101	0.808142	0.838851	0.105374	0.989301	0.713993	1.10737	0.560384	0.103776	0.106947	0.260839	0.190535	0.0109954	0.151417	0.171321
TRIM74	0.0157329	0.0379017	0.0520614	0	0.0488772	0	0	0.0699103	0	0	0	0	0	0.00822269	0
TRIM77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRIM8	11.1329	9.92235	11.215	12.7989	17.5916	27.698	13.2739	8.51235	4.48895	8.52839	12.8883	4.87994	15.1259	9.79335	17.1402
TRIM9	0.576148	0.171077	0.232773	0.196762	0.348617	0.69309	0.271545	0.256016	0.0530342	0.07988	0.215539	0.0743007	0.298247	0.215336	0.457006
TRIML1	0	0	0	0	0	0	0	0	0.0148894	0.0613775	0.0276023	0.00874774	0.0157758	0	0
TRIML2	0	0	0	0	0	0	0	0	0.0164925	0	0	0.0387583	0.0873714	0.226482	0.116687
TRIO	7.37251	6.84626	7.64289	6.93142	7.43903	8.95986	8.98635	5.52535	3.32386	8.47614	5.35698	6.42687	9.56518	9.63829	12.612

TRIOBP	3.94236	3.13023	3.22966	4.03197	5.74685	6.2334	3.53879	3.12145	2.10251	3.8633	4.0443	2.15676	3.68766	3.14184	2.67188
TRIP10	6.44478	8.23057	8.7486	14.0103	9.94646	18.778	10.2141	4.69459	20.0837	20.6194	12.36	13.1288	25.2505	14.3195	9.18097
TRIP11	2.93573	3.43812	3.3863	3.44526	1.3882	3.30606	1.39309	2.39712	4.20141	3.6352	3.5728	2.88747	3.5044	3.0397	3.58434
TRIP12	9.88561	8.28861	8.37984	14.8915	5.26388	13.0082	7.32157	8.83856	10.2543	11.0391	9.49957	8.37684	16.6258	11.7631	9.67383
TRIP13	0.355923	0.300106	0.267677	2.28409	0.26387	2.15588	0.461796	0.222858	0.285699	1.24878	1.50672	0.769804	2.92268	1.77988	0.638937
TRIP4	4.75036	4.13765	4.28054	7.50547	3.17447	6.46069	3.64897	3.3909	6.83126	7.8586	8.1727	4.10681	10.1345	5.3121	3.7467
TRIP6	12.9717	15.9559	16.4136	23.3595	36.4826	38.3322	16.0324	9.60292	19.1765	21.0889	31.3597	18.516	30.1448	21.5055	16.4474
TRIQK	1.67679	1.01665	1.14045	1.17711	0.262211	1.56671	1.02792	1.36017	0.561931	1.65962	2.70594	0.797174	1.31783	1.12927	2.04445
TRIR	24.8797	24.0554	24.9271	52.6373	54.4768	53.4701	25.3488	16.7182	38.0731	37.1095	67.2736	23.9562	42.3236	30.6989	18.7818
TRIT1	4.26182	4.34279	3.98256	4.70334	2.52502	4.39193	3.37884	3.02819	3.23608	3.32189	5.65799	3.20602	4.25566	4.06815	2.57391
TRMO	3.95414	3.41528	3.79629	2.71204	2.21857	3.88489	3.03498	3.38483	3.76883	2.8549	3.15001	2.17638	2.7901	2.14264	2.03217
TRMT1	3.1635	4.24446	3.88314	7.75113	8.248	7.91418	3.62264	2.70365	3.30727	3.59573	3.28677	4.54049	4.90099	5.12601	3.43085
TRMT10A	0.358807	0.495585	0.425457	0.733359	0.102181	0.463371	0.320912	0.387968	0.517101	0.450339	0.681831	0.308083	0.783244	0.553208	0.274823
TRMT10B	2.2595	3.03899	2.93507	1.83306	2.1208	2.74263	2.10777	2.21313	1.12415	1.21884	1.38931	1.50666	1.19107	1.84423	1.42225
TRMT10C	2.98539	2.6532	2.7084	4.8087	0.720931	4.03733	1.67567	2.92071	4.03307	4.17205	6.32962	2.62977	6.93579	3.80896	2.73817
TRMT11	1.1045	1.00757	1.09647	1.00164	0.383168	1.01884	0.71882	1.191	0.309387	0.864106	1.20944	0.542674	0.612854	0.971724	0.877702
TRMT112	12.7985	10.5432	10.7475	29.8157	22.0912	30.562	11.9908	9.52604	22.5959	18.9364	39.5694	16.5006	23.1111	17.6194	11.6615
TRMT12	2.30492	1.80401	1.88091	2.32155	2.6569	2.38	1.86957	1.68693	1.15588	1.79334	2.41359	1.37312	1.66208	1.95143	1.54274
TRMT13	1.35541	1.67572	1.51666	1.99063	0.640519	1.23733	0.786262	1.7495	0.817019	0.977121	1.30164	1.11117	1.27628	1.38459	1.07005
TRMT1L	0.895828	1.2332	1.09258	1.77249	1.12117	2.56731	0.759814	0.900771	0.773064	1.55482	2.15546	0.897383	1.11964	1.47682	1.52177
TRMT2A	3.011	3.59338	3.40146	4.27281	8.10517	7.50825	3.50842	2.20424	3.49765	2.75215	2.94982	3.44926	3.86871	3.84444	2.94894
TRMT2B	3.10722	3.71483	3.41847	2.69055	5.16706	2.8269	3.24595	2.87603	3.8549	1.55348	2.28508	2.05264	1.89663	1.99796	1.72199
TRMT44	3.0652	2.71539	2.52232	2.17271	4.43381	3.14855	2.58314	2.03226	2.38008	1.29256	1.52872	1.72905	1.34459	1.63168	1.53721
TRMT5	1.48673	1.52247	1.24672	1.98655	0.68898	2.26318	0.891945	1.21774	1.26699	1.23389	1.73725	0.962393	1.99859	1.40398	1.05905
TRMT6	2.35471	2.25483	2.02133	4.6095	1.45388	4.18617	1.49612	2.35534	3.80368	2.96775	2.89172	2.53784	7.25301	3.88765	1.85354
TRMT61A	2.1922	2.45996	2.73508	3.46595	5.74565	5.79445	2.91879	1.85305	1.55669	1.46982	1.81372	1.80872	3.25265	2.74679	1.78436

TRMT61B	2.15706	2.26122	2.3253	2.75635	1.83332	2.53409	2.15062	1.60448	2.39471	1.7944	3.25866	1.62	2.73842	2.37053	1.43677
TRMT9B	0.379533	0.612941	0.581711	0.717491	0.3383	0.406088	0.549294	0.378281	0.140816	0.185752	0.195786	0.351265	0.267065	0.294896	0.405461
TRMU	2.36851	2.70818	2.99271	3.01155	4.72245	4.10374	2.48902	1.80124	2.62626	2.33677	3.95076	2.97632	2.51651	2.70365	3.06302
TRNAU1AP	2.18222	2.83332	2.76494	4.46219	2.15873	5.79932	2.71452	1.93938	3.1193	4.19485	6.11977	2.84346	4.24613	4.10591	2.12778
TRNP1	2.06613	2.70042	2.58352	2.20263	3.94721	3.07369	2.0201	1.49851	3.9914	6.22966	5.32164	3.22863	3.66974	2.51965	1.6712
TRNT1	2.36008	2.03409	2.23014	2.82002	0.742686	3.27423	1.69578	2.39579	1.74689	2.23437	2.6183	1.91435	2.20532	2.7009	2.16219
TRO	0.524712	0.317696	0.357251	0.181839	0.86555	1.09917	0.54078	0.259984	0.107449	0.629428	1.11652	0.109643	0.131821	0.402862	1.18034
TROAP	0.273737	0.26594	0.292016	1.70339	0.302517	1.71483	0.839952	0.230773	0.266835	1.03884	1.30079	0.876609	1.28271	1.80961	0.734183
TROVE2	4.68817	4.50138	4.49646	5.20416	1.58188	5.14944	3.68295	5.0514	4.93472	6.45831	7.58666	3.70333	7.35887	4.285	5.44002
TRPA1	0.0608396	0.0110038	0.0162708	0.106812	0.0422729	0.117007	0.0105378	0.0363959	0	0.262723	0.396854	0.0244442	0.241602	0.20335	1.62719
TRPC1	1.02118	0.604329	0.899887	0.434669	0.353457	0.689946	0.716045	0.700383	0.0878689	0.619946	1.25929	0.131046	0.239911	0.562718	1.25135
TRPC2	0.0572376	0.0551559	0.110486	0.0393233	0	0.276176	0.10892	0.08478	0	0.0957853	0.021538	0.0136517	0	0.0698013	0.301401
TRPC3	0.0127897	0.00924344	0.0105806	0.0856714	0.0298003	0.152464	0.0365073	0.0227329	0.0155765	0.072236	0.22379	0.0228785	0.0618891	0.096925	0.348986
TRPC4	0.0749399	0.0348177	0.0265695	0.082744	0.0665186	0.161805	0.042782	0.028543	0.0619321	0.154523	0.250772	0.0746871	0.217579	0.184644	0.507366
TRPC4AP	9.87038	10.3381	10.6176	15.2502	15.5251	20.2343	11.428	8.53193	18.1207	17.2727	16.2438	13.002	20.7676	12.3322	13.0641
TRPC5	0.162477	0.103106	0.137691	0.0571737	0.0123114	0.0539891	0.0950178	0.130309	0	0.0397903	0.0536828	0.0198487	0.0102272	0.0310674	0.0626027
TRPC5OS	0	0.00369963	0	0	0	0	0	0.00682403	0	0	0	0	0	0	0
TRPC6	0.762737	0.749503	0.946485	0.765338	0.756086	0.482823	0.538563	0.557448	0.776144	1.31631	2.44149	0.843772	1.3177	1.68635	2.7745
TRPC7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRPC7-AS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRPM1	0.204173	0.903401	0.976845	0.140271	0.248436	0.356395	1.03349	0.619962	0.037299	0.0170839	0.00768288	0.153396	0.00658658	0.003557	0.00977396
TRPM2	0.2063	0.195182	0.19549	0.637793	1.11868	1.10826	0.325482	0.293347	0.0456817	0.310713	0.448836	0.0697806	0.300088	0.301899	0.770308
TRPM2-AS	0	0.0127728	0	0	0.123537	0.0225727	0.0908041	0	0	0	0	0.0189685	0	0.0831311	0.152286
TRPM3	0.145119	0.0632615	0.0914688	0	0.0590386	0.138277	0.102571	0.073697	0	0.01301	0.0117015	0.0074169	0	0.023476	0.0595456
TRPM4	7.81932	8.6165	9.57284	8.3537	21.854	9.03383	11.7282	6.23927	3.58314	5.53546	2.48301	9.01225	7.73817	6.11243	6.56807
TRPM5	0.0176754	0.0709692	0.0292448	0	0.018304	0.0200672	0.0269083	0.0104723	0	0.00739483	0	0.0590205	0.0152055	0.0523484	0.0338456

TRPM6	0.225321	0.178266	0.128643	0.425491	0.399805	0.650628	0.165303	0.221593	0.355912	0.286027	0.248181	0.61148	0.396128	0.316682	0.296478
TRPM7	5.46809	5.30468	5.67794	5.13042	1.89789	4.0458	3.53962	5.40747	2.97874	4.11725	4.70562	2.57333	3.36576	3.76043	4.69509
TRPM8	0.00411725	0.0178538	0	0	0	0.0280463	0	0.0182953	0.00501435	0.0155027	0	0	0	0.00215185	0
TRPS1	14.1627	10.1162	6.99021	14.8691	8.54486	11.733	7.12107	10.0877	15.769	17.4661	11.3391	22.5698	14.5155	13.482	8.54474
TRPT1	4.31075	3.62948	3.58416	5.63146	9.40156	9.84372	3.90269	2.47663	12.8068	6.96798	14.304	5.88851	6.2087	5.2911	3.25172
TRPV1	0.859094	1.05486	0.953866	0.704819	1.74619	1.01642	1.08032	0.695021	0.68926	0.897708	0.6817	1.5488	0.814964	1.19599	0.698157
TRPV2	1.02199	0.933194	1.09773	1.97048	2.30443	2.82116	1.91028	0.673868	0.46173	2.25507	4.22401	0.57793	2.1483	1.74025	3.57456
TRPV3	2.60008	4.02127	3.65686	7.13578	5.7808	3.1098	4.7332	2.99967	14.3303	13.1524	9.5009	18.15	12.0321	15.5694	3.70257
TRPV4	1.38615	1.62148	2.33482	1.10449	1.909	1.61834	2.01504	1.7399	0.957215	1.89222	2.46818	0.961156	1.00959	1.31822	1.19031
TRPV5	0.0645778	0.0272593	0.0200337	0	0	0.0137468	0.0368664	0.0215217	0	0	0.0182251	0	0	0	0
TRPV6	1.7411	3.08737	2.1704	0.262173	2.49458	0.453556	1.70653	1.33538	1.433	0.0798266	0.044874	0.40389	0.0102589	0.0540166	0.022835
TRRAP	6.32029	7.6355	8.40476	5.70217	7.16028	7.22207	9.3383	6.52541	4.27999	3.16662	3.08095	4.56392	4.93531	4.47373	6.04596
TRUB1	1.56005	1.34972	1.36353	2.51637	1.09575	2.81267	1.05324	1.76018	2.6517	2.40922	3.91272	1.79087	3.10276	2.4177	1.41245
TRUB2	3.00388	2.93476	2.68981	5.9834	4.4521	6.57902	3.44553	2.27028	4.27316	3.71461	6.15272	2.90344	4.15541	3.05792	2.39868
TRY2P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TSACC	0.115812	0.241799	0.159679	0.139239	0.0299826	0.0493061	0.110192	0.205848	0.117538	0.12113	0	0.248599	0.0871747	0.272377	0.0831602
TSC1	4.52332	4.49079	4.3109	3.34659	3.96373	4.87612	4.84871	3.45419	3.22881	3.08808	1.8739	2.91368	2.3621	2.89898	3.15929
TSC2	5.33731	6.84291	6.32141	7.61996	13.3184	10.6404	9.16144	5.42709	9.3887	5.77334	3.96428	7.60382	9.84215	5.92896	7.84823
TSC22D1	5.75095	3.75826	4.42325	5.34751	3.85532	11.1628	4.4495	4.54777	2.45232	6.96857	7.60415	4.47931	10.0696	8.38558	12.0614
TSC22D1-AS1	0.148158	0.0739247	0.0982866	0.0486837	0.251595	0.113183	0.10531	0.187051	0.0108969	0.0452131	0.0422339	0.0525777	0.0242818	0.16391	0.146916
TSC22D2	4.96388	4.7142	4.94156	9.74403	11.5011	7.86189	5.21288	3.5761	14.8655	14.657	12.0852	13.3395	26.5688	17.8609	7.62752
TSC22D3	27.4048	10.1905	14.9768	5.57386	4.06339	12.6108	16.84	14.749	2.38004	5.62012	10.0578	3.69947	4.23931	4.19003	6.91691
TSC22D4	6.61366	8.51614	9.15903	14.8122	22.93	21.4754	12.4857	5.35982	17.5408	9.21505	15.3595	9.02667	14.5872	9.22775	7.54546
TSEN15	1.50045	1.17864	1.12053	2.22612	0.544134	3.06726	1.21321	1.44762	1.12344	1.76597	2.42539	1.30337	2.67069	1.83081	1.72722
TSEN2	2.04715	1.8356	1.89625	1.99561	1.43649	1.93157	1.58833	1.48919	0.433181	0.962278	1.19564	1.24988	1.14742	1.75154	0.987556
TSEN34	3.34822	3.51828	3.79291	7.09159	6.97817	7.5071	3.54434	2.44479	5.82973	4.98369	9.88607	3.19633	6.60019	3.86038	2.41631

TSEN54	1.8958	3.95243	4.3006	4.95177	8.68632	5.16762	3.11751	1.92855	6.31672	3.65144	4.33408	3.79648	4.58493	3.60187	2.22603
TSFM	2.44852	2.27336	2.49739	4.95976	2.36271	4.98949	2.26429	2.05506	2.29629	3.04183	5.40077	1.91794	2.89329	2.45931	2.70502
TSG1	0	0.0216995	0.0298063	0.00309413	0.00466388	0	0.0102844	0.00266835	0	0	0	0	0	0	0.0215596
TSG101	9.98679	10.3223	10.859	17.918	7.40813	18.9422	9.32009	8.13138	23.6519	21.7477	24.978	13.9921	33.4229	13.838	11.7229
TSGA10	0.56206	0.555871	0.485369	0.157507	0.291024	0.570945	0.16325	0.38997	0.576443	0.179455	0.211498	0.321029	0.15269	0.11338	0.198257
TSGA10IP	0.0134085	0.0193812	0.0443698	0	0.020828	0.0342515	0	0	0.01633	0	0.0151365	0.00959413	0	0.00700786	0
TSGA13	0.113333	0.0744004	0.0339611	0.0951868	0.0478259	0.043694	0.0362379	0.0184719	0.0374975	0.0644056	0	0.0369119	0.0198649	0.0430105	0.132651
TSHB	0.0410338	0.0988535	0.0678921	0	0	0.0349397	0.046851	0.0364674	0	0	0	0	0	0	0
TSHR	0.0915698	0.25543	0.287064	0.0893987	0.20213	0.14363	0.104551	0.227006	0.0117391	0.00604892	0.0272029	0.0275876	0.018657	0.0755658	0.124584
TSHZ1	4.11243	3.08195	3.54801	2.90362	3.84214	5.32207	3.50683	3.14632	1.33594	2.89389	2.02498	1.92373	2.7782	2.1763	3.26186
TSHZ2	2.44657	1.996	1.64809	1.272	2.45168	2.91491	2.02261	1.53999	0.918541	0.671857	0.799488	0.663379	1.10141	1.28925	2.91391
TSHZ3	1.1369	0.59981	0.754407	1.26126	1.12763	2.74837	1.09943	0.842432	0.219201	1.31022	2.44155	0.407816	1.7593	1.82178	3.25255
TSIX	0.0474365	0.0379716	0.0367276	0.0180282	0.0274476	0.0165345	0.109635	0.0559105	0.0068515	0.0133521	0.00705583	0.0201238	0.00201941	0.0249493	0.024273
TSKS	0.166037	0.449227	0.390941	0.710749	1.74587	0.250131	0.174993	0.136209	0.27999	0.144273	0.475798	0	0.387303	0.320412	0
TSKU	8.05206	8.2994	9.81061	12.4027	7.47798	15.4955	8.7192	6.49337	2.37017	5.09945	11.3701	3.52198	10.4157	6.45079	5.49992
TSL	0.687941	0.671421	0.685855	0.163602	0.411004	0.300396	0.82575	0.642738	0.0644489	0.0442788	0.0796513	0.201945	0.0455237	0.387206	0.607982
TSLP	0.0651305	0.235357	0.179602	0.335595	0.151755	0.120159	0.0805609	0.125412	0.198304	0.102182	0.355367	0.128157	0.0420219	0.11914	0
TSN	7.15693	5.93851	6.09505	10.7407	2.88411	10.6742	5.37501	7.05093	5.7815	8.01574	10.5617	5.09268	10.7517	6.40052	4.56703
TSNARE1	2.72433	4.25078	4.01579	1.73555	7.32662	2.78368	4.58099	2.86626	2.67445	1.20194	1.26745	2.66999	0.791864	1.44399	1.34368
TSNAX	7.00616	5.87999	6.90627	6.14419	2.33178	8.24528	3.66254	6.74086	6.22078	6.1915	11.7033	3.9172	6.39154	4.46357	4.22236
TSNAX-DISC1	0.25902	0.295516	0.422277	0.218077	0.183527	0.200557	0.44861	0.276219	0.0102992	0.125653	0.127604	0.18752	0.0249119	0.203691	0.40068
TSNAXIP1	0.153319	0.0816472	0.100134	0.133052	0.313364	0.199259	0.0184268	0.0645427	0.137587	0.101279	0.14575	0.196312	0.00520634	0.139175	0.115887
TSPAN1	2.01738	0.561299	0.622907	0.366016	0.353092	0.895178	0.583956	0.643922	0.0865121	0.873725	0.320757	0.121985	1.3016	0.638563	0.387655
TSPAN10	0.215585	0.311616	0.214017	1.0664	1.84183	0.871946	0.258455	0.0862173	0.170663	1.88054	0.839621	0.694156	1.64827	0.478865	0.216725
TSPAN11	1.76007	1.06655	1.24952	2.72714	3.28338	2.92649	2.02859	0.795045	0.238174	3.15954	5.57553	0.919971	7.5518	5.69984	15.4948
TSPAN12	1.12827	0.334868	0.470425	0.604611	0.743099	1.80613	0.443148	0.593605	0.252835	1.35945	2.10921	0.180837	0.768719	0.773664	1.90552

TSPY10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TSPY2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TSPY26P	0.533338	0.376278	0.425457	0.372956	0.976397	0.664976	0.674192	0.609411	0.231981	0.406418	0.258031	0.149921	0.208922	0.139373	0.5471
TSPY3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TSPY4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TSPY8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TSPYL1	9.23181	10.1054	10.6777	12.5529	11.942	13.7668	8.02919	7.53246	15.1674	11.4111	8.81783	9.83051	19.8977	8.871	7.38164
TSPYL2	7.27517	4.92869	6.60752	2.04088	3.2161	8.89139	3.59732	4.35644	0.85713	1.04766	1.48735	1.15354	1.38863	1.74505	4.44248
TSPYL4	3.13728	3.21753	3.70769	2.1419	2.85435	4.42204	3.90827	2.81305	4.24388	2.93211	3.66176	1.47115	3.18082	2.12573	3.21019
TSPYL5	2.5824	0.874465	1.04243	0.951205	1.17602	3.92089	1.97751	1.39637	0.543124	0.995782	2.13079	0.230044	1.30482	1.15725	1.67559
TSPYL6	0.67298	0.414322	0.581481	0.154117	0.371688	0.0700375	0.426882	0.498408	0.0273205	0.103236	0.0253237	0.26752	0.0144735	0.203221	0.257729
TSR1	6.10262	6.63508	7.07994	10.2211	5.81523	10.5578	5.59689	4.87649	7.39806	5.49694	4.76408	6.48841	11.3391	8.2416	4.75947
TSR2	3.927	3.53025	3.69281	3.708	5.41897	6.92404	3.68093	2.87976	3.18346	2.36577	3.01477	2.05678	3.23739	2.7387	2.53946
TSR3	6.70639	7.28328	7.45939	15.1328	25.5469	17.1959	6.18084	4.29904	10.088	11.2655	20.6355	6.9008	12.8969	9.11859	5.04791
TSSC2	0.517076	0.143441	0.362949	0.435978	0.70584	0.987302	0.644051	0.194954	0.019083	0.0983308	0.194571	0.0336347	0.0404381	0.0245678	0.540062
TSSC4	3.48113	3.24803	3.06268	6.01695	10.6432	6.34386	4.04824	2.01338	8.42317	5.01646	6.07135	4.57313	7.37974	4.90947	3.0816
TSSK1B	0.3082	0.517485	0.301322	0.365732	0.507756	0.111333	0.181278	0.290503	0.034123	0.24616	0.0632582	0.287352	0.0723089	0.244059	0.201189
TSSK2	6.67E-41	2.41E-38	1.05E-41	0	1.09E-35	0	0	1.54E-44	0	1.37E-42	0	4.95E-34	0	1.15E-33	1.88E-32
TSSK3	2.4111	2.9509	2.88275	0.707326	1.77695	0.959076	3.37584	2.92482	0.535849	0.728934	0.099337	1.02001	0.124905	1.41652	1.59231
TSSK4	1.47969	1.73028	2.0631	0.5654	1.39458	0.721987	1.89828	1.72875	0.161986	0.479942	0.3566	1.03497	0.107269	0.825488	1.00282
TSSK6	0.385183	0.494898	0.491252	0.396942	0.947342	0.505633	0.568061	0.527741	0.0781848	0.241722	0.108706	0.206706	0.279583	0.30197	0.18439
TST	4.63261	3.85799	3.76634	16.6885	7.97147	12.3099	5.22096	2.36022	17.6069	9.14765	16.9061	5.88654	9.04407	4.11186	2.32282
TSTA3	15.2309	16.9561	16.7184	36.1479	20.6118	37.2496	15.7715	16.5539	28.8278	23.9163	35.5226	25.9597	31.8739	21.1756	9.77682
TSTD1	6.47454	9.79001	7.54996	8.9081	17.1186	10.0289	8.76868	5.72343	29.9473	14.3506	29.5857	14.7607	8.42133	9.08965	1.73106
TSTD2	2.48981	2.6356	2.56302	2.50434	1.53173	1.94859	2.09454	1.91199	1.49402	1.66492	1.92002	1.85626	1.75947	1.7451	2.74168
TSTD3	1.17758	0.7758	0.825068	0.619148	0.559956	0.501347	0.699701	0.619378	0.146343	0.573096	0.664671	0.378306	0.558197	0.753618	0.603983

TTBK1	0	0.00321716	0	0.00344051	0.0207439	0.011371	0.00381188	0.00296705	0	0	0	0.00238884	0.00861614	0.00697956	0.0431516
TTBK2	2.10242	2.08146	2.29747	1.58573	2.04511	2.46281	1.94011	1.48818	1.11239	1.60597	1.21223	1.20406	1.41752	1.67295	2.61755
TTC1	8.21406	7.20053	6.74357	14.8054	6.695	15.9297	6.79321	6.2591	12.6855	9.97632	16.3594	7.39698	11.1031	8.62686	6.23462
TTC12	1.84237	2.01979	2.29725	2.22193	2.36412	2.52364	2.23312	1.82718	2.22753	1.24834	1.31872	1.42812	0.736468	1.16874	1.04493
TTC13	2.61054	2.39693	2.68351	2.16814	1.3772	2.67819	2.34594	2.07614	1.98816	2.15489	2.82783	2.06931	2.86921	2.2654	2.40507
TTC14	3.18896	3.86157	3.84577	2.31659	1.17436	2.28049	2.10749	3.49881	0.940338	2.17032	2.71016	1.29196	1.35696	2.77641	3.48822
TTC16	0.0239493	0.0423103	0.0594378	0	0.0372016	0	0	0.0212842	0	0.0100196	0	0.0171364	0.00515067	0.012517	0.0343943
TTC17	7.6911	8.16974	8.34643	5.81413	3.82654	6.48204	5.77963	6.80033	5.40031	6.38069	6.01461	5.19433	6.58823	6.51037	7.11313
TTC19	7.26603	5.74918	6.35385	5.49674	4.34747	5.5668	5.2816	6.49803	3.88926	4.36185	4.44902	3.26275	3.62913	4.22593	3.44324
TTC21A	0.376342	0.322886	0.364784	0.347779	0.439465	0.580471	0.360342	0.241517	0.185845	0.198073	0.301194	0.171411	0.172268	0.332516	0.796174
TTC21B	3.40998	3.6626	4.09688	1.85502	0.813893	1.48596	2.06973	3.09434	0.416841	0.922798	1.13527	0.701442	0.766082	1.46861	2.16033
TTC21B-AS1	0.372274	0.0896837	0.282307	0.12788	0.0963784	0.105662	0.495893	0.110282	0	0.155747	0.0700419	0.0221977	0.0200158	0.129711	0.222764
TTC22	1.92796	4.73167	3.68209	4.71094	21.1739	3.71933	3.87805	2.12169	9.5939	7.61858	3.63872	7.93209	10.9718	3.39291	1.53582
TTC23	1.91084	1.93867	1.78854	2.26175	1.95053	2.65907	1.64565	1.56719	1.63568	1.69937	1.9229	1.20319	1.68374	1.73487	2.09344
TTC23L	0.333473	0.220351	0.252227	0.0589121	0.0739999	0.0892409	0.184935	0.203221	0.0232076	0.0478335	0.0430228	0.0409044	0.0122946	0.0248982	0.095782
TTC24	0.00791215	0.0114366	0	0.0081537	0.0245806	0.0269484	0.00903384	0.021095	0.00963611	0	0	0.0226454	0.00510488	0.016541	0.0227257
TTC25	0.2189	0.200028	0.193579	0.0544511	0.117251	0.218527	0.21546	0.221374	0.0183859	0.132634	0.0937318	0.048609	0.0243506	0.165693	0.303528
TTC26	0.626771	0.480436	0.443875	0.841635	0.199144	0.873307	0.493349	0.582341	0.260228	0.625754	0.916594	0.339751	0.735254	0.558507	0.770559
TTC27	3.25176	3.25958	3.25436	5.13281	2.19292	4.97713	2.75287	3.05202	1.73866	2.33929	4.07372	1.82165	4.0374	2.98865	2.47165
TTC28	3.00033	2.10247	2.36186	1.34743	2.58619	4.48654	3.04851	2.05762	0.444377	1.12323	1.95335	0.737614	1.21628	1.43737	4.11253
TTC28-AS1	0.89184	0.954707	0.923383	0.504859	1.08981	0.52081	0.755069	0.698774	0.119881	0.251111	0.306731	0.316763	0.140081	0.395192	0.392582
TTC29	0.00950824	0.00458121	0.0235977	0.00979852	0	0.00809614	0.0108562	0.00845013	0	0	0	0	0.0122693	0.00496942	0.013655
TTC3	10.1542	11.405	11.6505	7.93965	5.41999	8.63339	6.31559	9.29386	9.87949	9.50884	10.0939	8.24613	6.74091	7.29298	13.3024
TTC3-AS1	0.120641	0.416576	0.499016	0.0207208	0.0624659	0	0.252532	0.428864	0.024488	0.277599	0.0453964	0.215805	0.0389186	0.199666	0.317637
TTC30A	0.758859	0.661523	0.871171	0.837804	0.317383	0.780588	0.543665	0.713549	0.78896	0.708178	1.23014	0.643706	0.799644	0.597139	0.610255
TTC30B	0.979499	0.860372	1.11187	1.22661	0.472872	1.2078	0.918812	0.715814	0.536288	0.781843	1.72086	0.748464	0.615344	0.670191	0.581663

TTC31	3.09733	3.52527	3.33364	4.22599	4.90941	4.31934	3.41013	2.24705	2.95425	2.86602	3.30027	2.69679	2.79874	3.03112	4.14177
TTC32	1.88773	1.38202	1.56166	1.08637	0.22849	1.02288	0.951711	1.45978	2.11989	0.738481	1.41145	0.613963	0.490344	0.820039	0.492912
TTC33	0.991965	0.828301	0.911031	0.658398	0.424391	1.00928	0.753463	0.971228	0.557979	1.19226	1.87425	0.538348	0.827133	0.878719	0.959786
TTC34	0.0521534	0.0691028	0.0862899	0.0134364	0.486073	0.0444079	0.0446603	0.0231748	0	0.0327289	0	0.0186586	0	0.0477008	0.187247
TTC36	0.441968	0.116153	0.166194	0.267668	0.510069	0.349595	0.252312	0.357077	0.195734	0.075643	0.090714	0.100622	0.0129616	0.178494	0
TTC37	9.7295	10.9708	10.9557	9.2321	4.08398	7.85269	7.77803	8.81984	13.6135	11.8958	12.7743	8.40167	9.14388	7.78451	7.93617
TTC38	1.21479	1.70464	1.8412	3.81045	2.60321	7.96545	1.86284	0.961398	0.809932	3.08276	3.18312	1.48464	3.2438	4.18942	3.55285
TTC39A	1.23918	1.98458	1.82889	3.05765	3.05451	3.46763	1.70049	2.04228	8.55201	6.67395	6.9747	6.26497	8.74213	4.36327	1.4872
TTC39A-AS1	0.0356047	0.343098	0.147274	0.146767	0.387145	0.272852	0.162609	0.158212	0.0433625	0.312813	0.281353	0.433094	0	0.427997	0.306797
TTC39B	5.58292	6.76539	5.96657	10.3893	4.72936	6.55577	6.00378	6.59431	30.501	11.0077	12.4876	10.9809	8.06684	7.02654	3.58002
TTC39C	3.45778	4.34407	4.69003	3.61669	2.7229	3.67482	3.54684	4.52567	5.09395	2.3115	3.72386	2.94249	2.09255	2.03333	2.1191
TTC39C-AS1	0.123627	0.119131	0.204547	0.076441	0.153629	0.0421068	0	0.153818	0.0602257	0.031033	0.055824	0.0530752	0	0.0258452	0.106527
TTC3P1	1.40206	0.776424	0.610067	0.609844	0.551541	0.790721	0.966731	0.881932	0.232847	0.399938	0.421381	0.19543	0.187969	0.247431	0.849867
TTC4	2.37576	2.62082	2.1117	5.89167	3.37041	4.23781	2.15506	1.97735	3.63286	3.45644	4.37575	3.09895	6.36217	4.03892	2.2275
TTC41P	0.0666208	0.0345681	0.0296765	0.0686547	0.0318416	0.043636	0.029256	0.0683158	0.0249651	0	0.0983471	0.0256679	0.0132257	0.0374973	0.0367984
TTC5	3.69792	3.21068	3.28503	2.95402	3.06483	3.53968	3.21622	2.74603	1.93446	1.86897	4.32859	1.81133	1.48917	1.8873	2.01378
TTC6	0.264971	0.135747	0.180357	0.00691292	0.0260501	0.10567	0.111057	0.283177	0	0	0.00378632	0.0167995	0.00216403	0.00175298	0.00481686
TTC7A	3.33538	3.8685	4.41998	5.31942	6.75028	5.05275	4.7025	2.87893	1.86248	4.59605	2.17942	3.50101	8.80175	3.45473	3.4186
TTC7B	1.5141	1.77258	1.98322	3.50389	4.0127	3.4945	1.65292	1.52265	2.25647	3.69235	4.16812	2.60391	5.22288	2.91198	3.54776
TTC8	2.212	1.47432	1.67743	2.21304	0.744466	2.80168	1.06285	1.41704	0.718392	1.55009	2.92365	1.1409	1.558	1.62816	1.60159
TTC9	1.35301	1.18197	1.12297	5.76011	3.62455	1.34848	1.17507	1.13936	6.41295	8.21242	5.25818	3.31697	18.4064	4.08286	1.29327
TTC9B	0.109813	0.0396821	0.0908449	0.0282913	0	0	0	0	0	0.10337	0.0619825	0	0	0.0286965	0
TTC9C	2.57332	3.57373	3.64545	3.51851	3.00447	4.55415	3.14937	2.34674	2.17128	2.4065	4.5568	2.00976	1.81221	2.43493	2.58451
TTF1	2.39208	1.73235	1.76644	2.69196	1.34496	2.85531	1.01373	1.4216	1.72474	1.62088	1.5407	1.30733	2.53755	1.99804	1.54906
TTF2	2.05494	3.06908	3.2422	3.22318	1.8219	3.24374	2.32448	2.10591	1.6549	1.54989	1.62545	1.59659	2.18409	2.29502	1.54747
TTI1	2.32889	2.66603	2.65575	3.75335	2.30293	3.78214	2.34584	2.06973	1.43594	1.75819	2.32594	1.82509	2.76416	2.67231	2.9171

TTY14	1.14517	1.09069	1.20073	1.16641	1.53063	1.08848	0.045611	0.733712	2.80559	1.63786	2.2548	1.34343	1.54644	1.35014	0.325097
TTY15	1.42602	1.338	1.38424	1.30577	1.08355	0.85711	0.131061	1.36542	0.32799	0.969708	1.31077	0.748683	0.683637	1.0568	1.33148
TTY16	0	0	0	0	0	0	0	0	0.2936	0.453858	0.136071	0	0	0.125996	0
TTY17A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY17B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY17C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY19	0	0	0	0	0	0	0	0	0	0	0	0.0615594	0	0	0
TTY1B	0.00615507	0	0.00632419	0	0	0	0	0.00925579	0	0	0	0	0	0	0
TTY2	0.0744036	0.0136567	0.019808	0	0.0165106	0.00603368	0	0.00411835	0	0	0	0.00253513	0	0	0
TTY20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY21B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY22	0.108398	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY23	0	0	0	0	0	0	0	0.0100428	0	0	0	0	0	0	0
TTY23B	0	0	0	0	0	0	0	0.0100428	0	0	0	0	0	0	0
TTY2B	0.0744036	0.0136567	0.019808	0	0.0165106	0.00603368	0	0.00411835	0	0	0	0.00253513	0	0	0
TTY3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY4	0	0.00644335	0.014224	0.00590629	0	0.00162671	0.00436255	0.00169784	0.0302471	0	0	0.0177706	0	0.00299544	0
TTY4B	0	0.00644335	0.014224	0.00590629	0	0.00162671	0.00436255	0.00169784	0.0302471	0	0	0.0177706	0	0.00299544	0
TTY4C	0	0.00644335	0.014224	0.00590629	0	0.00162671	0.00436255	0.00169784	0.0302471	0	0	0.0177706	0	0.00299544	0
TTY5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY6B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY7	0	0	0	0	0	0	0	0	0	0	0	0	0	1.71E-07	0

TTY7B	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00544334	0
TTY8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY8B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTY9A	0	0	0	0	0.0054901	0	0	0	0	0	0	0	0	0	0
TTY9B	0	0	0	0	0.0054901	0	0	0	0	0	0	0	0	0	0
TTYH1	0.922324	0.608113	0.913605	0.0875444	1.47039	0.919683	1.69047	0.776544	0	0.167549	0.0821991	0.0607846	0.01566	0.13954	0.278858
TTYH2	1.03362	0.825582	0.781919	0.723406	0.755559	1.89671	1.38841	0.889119	0.242341	0.575804	1.56616	0.300578	0.574162	0.381327	1.07957
TTYH3	3.69079	2.99463	2.88653	16.2822	15.6411	28.8438	5.42508	3.55305	5.51204	18.8365	25.1016	7.16707	28.6218	19.3223	27.991
TUB	1.56826	1.72063	1.9231	1.02594	2.0828	1.63441	1.72103	1.37699	0.209194	0.492768	0.779573	0.459011	0.558643	0.470037	2.07916
TUB-AS1	0.0458051	0.0441392	0.0284199	0.0118009	0	0.00975062	0	0.0203539	0	0	0	0	0	0	0.0822275
TUBA1A	20.8179	19.3351	24.0539	19.5738	22.7738	29.0641	30.08	13.375	23.2632	34.892	66.2518	13.1682	21.326	14.8791	36.1575
TUBA1B	80.9901	56.5087	73.0621	189.145	59.4431	220.416	94.4015	58.2793	44.3184	157.218	292.153	56.3068	252.12	133.478	100.99
TUBA1C	57.6944	59.6187	48.1911	240.916	84.4606	187.399	65.6726	39.2751	244.442	278.52	329.024	177.761	469.975	194.708	80.4523
TUBA3C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TUBA3D	0.0894661	0.26861	0.208815	0.129804	0.264332	0.241495	0.376848	0.205392	0.0518118	0.0425661	0.0236645	0.101467	0.0274481	0.236923	0.0814613
TUBA3E	0.115581	0.055656	0.164109	0.0173089	0.0233436	1.56E-26	0.0639162	0.062805	0.0183024	0.0491991	0.0258158	0.0107529	0	0.00811436	3.78E-07
TUBA3FP	0.198892	0.105833	0.0339261	0.0428878	0.275564	0.0803315	0.14003	0.105321	0.0143804	0.0296397	0.0399882	0.0642193	0.00761825	0.0752864	0.143843
TUBA4A	23.0781	41.5951	44.1956	68.5184	67.8245	46.9234	43.0664	27.5245	148.867	166.382	141.638	111.412	249.839	101.346	33.2836
TUBA4B	0.0514744	0.0653965	0.112232	0.0524376	0.391806	0.0433065	0.0389171	0.0151141	0.206672	0.383522	0.0383573	0.352648	0.12048	0.302715	0.0244494
TUBA8	0.370463	0.414738	0.432668	0.258258	0.287729	0.482445	0.460305	0.203352	0.238861	0.164107	0.0984016	0.17152	0.0984204	0.244873	0.281664
TUBAL3	0.0514862	0.105429	0.0532413	0.0928516	0.139958	0.164399	0.0881779	0.0343175	0.0470283	0.145396	0.116243	0.0644696	0.307272	0.134545	0.388189
TUBB	8.25623	6.69224	7.80006	15.1952	5.48534	17.4018	10.1732	5.94939	4.54369	10.2326	19.0415	4.9997	16.6313	9.49331	9.65369
TUBB1	0.463391	0.28706	0.421684	0.0886855	0.69924	0.0958244	0.173842	0.305926	0.120934	0.174481	0.336285	0.0947338	0.256266	0.439399	0.380279
TUBB2A	20.9693	28.6392	25.1816	92.3168	106.897	100.786	38.994	19.1645	278.998	302.562	279.64	191.316	387.697	167.74	67.8131
TUBB2B	1.57571	1.45948	1.27327	0.781133	4.62143	2.2657	1.33167	1.02209	7.23082	6.16013	0.751454	9.82126	21.0365	0.0896067	2.58587
TUBB3	1.04835	1.3129	1.24364	24.2679	7.56902	29.4765	2.43598	1.37418	4.34188	48.8142	28.0717	26.8024	83.4772	35.8871	16.6847

TUBB4A	0.0935245	0.286755	0.365749	0.175236	0.343379	0.687755	0.854266	0.340023	0.0724869	0.0320142	0.00959795	0.00608397	0.0329135	0	0
TUBB4B	43.7766	64.7793	77.0592	128.932	91.8302	111.022	101.183	38.9487	147.642	129.685	134.124	103.785	284.349	114.742	47.9127
TUBB6	11.0403	9.41821	9.54613	55.7236	16.9718	38.1693	11.396	7.58382	19.8757	44.5609	44.6024	21.8359	91.9882	40.2908	23.202
TUBB8	0	0.014828	0.0127298	0.0158574	0	0.137694	0.0351383	0.0140591	0	0	0.018024	0.0111661	0	0.0582669	0
TUBB8P12	0.0153877	0.00741401	0.0127298	0.0475723	0	0.0786144	0.0175691	0.0136753	0	0	0.0521123	0.0110103	0	0.0321691	0
TUBBP5	0.904841	0.477917	0.230323	1.62296	0.121632	1.48529	0.456956	0.486911	0.264903	0.611514	0.461249	0.778083	0.089817	0.417229	0.162433
TUBD1	0.96856	1.406	1.15549	1.27455	0.40336	1.40717	0.511321	1.02913	1.14068	0.910962	1.49058	0.909191	1.34805	1.00073	0.691234
TUBE1	1.5919	1.5243	2.07542	1.17327	0.594718	1.49275	1.10435	1.22671	0.908027	1.32779	1.85393	0.663244	1.45612	1.15321	0.737942
TUBG1	4.81457	5.05285	5.8594	11.2641	5.20629	13.4242	7.4729	4.44799	16.739	13.4523	15.2198	9.62305	21.0879	10.5306	5.85942
TUBG2	2.62318	2.70711	2.9876	2.83809	3.43804	5.88445	2.75327	2.41987	1.97581	2.17962	3.98496	2.43444	1.62373	2.93331	3.80187
TUBGCP2	3.84812	4.62746	4.56422	6.74873	6.64404	7.48562	5.26406	3.47684	5.57689	6.33993	5.04173	5.69665	8.98015	7.05572	4.54593
TUBGCP3	4.24027	3.5635	3.7405	3.18761	2.09985	4.30986	3.46034	3.2924	1.56013	2.34861	3.0081	2.18451	3.13229	2.70952	2.7948
TUBGCP4	1.80418	1.67826	1.60952	2.35754	1.66716	3.03555	2.08635	1.14635	1.25457	1.03993	1.38148	1.57537	2.54783	2.24842	1.52424
TUBGCP5	3.79332	2.62216	2.72474	2.94794	1.28067	2.49603	1.46906	2.46826	1.15623	2.51378	2.6229	1.82339	2.8907	2.17841	2.24845
TUBGCP6	3.7681	5.91899	6.06589	4.40617	12.6201	4.42968	5.65883	4.18255	2.74879	2.60114	1.31084	5.02919	2.27487	4.63807	5.09672
TUFM	19.366	14.4297	14.2737	30.7707	19.9968	39.3835	19.6107	12.5134	22.6329	22.1604	36.0536	17.407	34.4347	24.0334	13.3684
TUFT1	7.19924	17.9549	20.9366	11.4038	15.4082	10.811	14.4317	10.5622	56.318	20.0025	15.2976	18.21	24.0248	20.2902	4.14175
TUG1	10.6508	11.5127	12.3348	14.6749	7.31079	10.3081	7.94864	11.3864	13.4236	11.2271	11.6075	8.7809	15.2706	11.5796	10.4703
TULP1	0.160567	0.273352	0.380786	0.0661876	0.532088	0.191409	0.464436	0.180752	0.378068	0.0403056	0.132924	0.122549	0.0345323	0.100703	0.0768648
TULP2	0.0394484	0.0380137	0.0435126	0.0542036	0.0408513	0.0223932	0.150136	0.0350584	0.0960874	0.264063	0.0296882	0.413987	0.0169679	0.16494	0.0755372
TULP3	2.23532	4.87169	5.45522	4.6225	2.74306	6.13508	3.64968	2.68848	4.94565	4.47955	6.08981	3.19887	4.84583	3.58271	4.32307
TULP4	5.94572	7.72165	8.34064	6.59345	7.05803	7.75909	8.5433	6.84404	9.84022	6.27758	4.38214	8.07188	9.86966	4.65689	5.23404
TUNAR	0	0.00320606	0	0	0	0	0	0	0	0	0	0	0	0.0139109	0
TUSC1	2.49233	1.9683	2.26336	6.48863	5.26866	7.42765	2.41774	1.29068	2.45341	3.56324	7.38287	2.06491	4.81202	3.52094	2.39517
TUSC2	3.98544	3.32401	2.88775	5.31092	4.31219	7.9924	3.23239	2.06409	5.13835	4.43293	9.33944	3.36303	6.3132	4.64717	2.96048
TUSC3	1.69261	1.0036	0.813142	2.06608	0.903966	2.90363	0.931849	1.01545	0.786536	2.24911	4.33827	1.03338	2.25739	2.17728	2.04351

TUSC7	0.02202	0.00530479	0.00910826	0.0113461	0.0171024	0.00937488	0.0251418	0.0587087	0	0	0	0.00787796	0	0	0
TUSC8	0.365304	0.103535	0.0888838	0	0.033379	0.182971	0.0981392	0.171874	0	0	0	0.0153756	0	0	0.308601
TUT1	2.60421	2.81726	2.81831	3.14788	6.18234	5.84346	2.61809	2.35079	2.47347	1.624	1.9229	2.53138	2.38296	2.10153	2.11696
TUT4	4.83824	5.63062	5.99896	5.31621	1.86199	3.99513	2.96761	4.88349	2.89565	2.67629	2.47858	2.9807	2.27678	2.94429	3.84633
TUT7	10.4249	11.5912	11.1178	13.0778	6.6447	10.7685	7.92762	10.3279	25.4554	11.6725	9.71603	13.0874	11.2441	9.78734	7.06477
TVP23A	0.250252	0.264441	0.305584	0.150908	0.235976	0.0603292	0.183268	0.289571	0.0577373	0.0533322	0.0805531	0.128437	0.0275092	0.148827	0.279043
TVP23B	2.65287	3.01973	3.04786	5.17964	1.40955	4.25653	2.02472	2.96869	5.56127	7.09339	7.86278	3.88727	7.95943	4.55922	2.84332
TVP23C	2.71953	4.25513	4.49389	1.31508	1.09656	1.02822	2.44313	2.95008	0.516225	1.00891	0.614432	1.46344	0.409053	1.39584	1.4628
TVP23C-CDRT4	1.35692	1.28958	2.47605	1.56959	2.20104	1.38029	1.17821	0.898835	0.807569	1.2121	1.30876	0.943472	0.974896	0.895011	0.915676
TWF1	8.24998	7.34673	6.57024	22.2005	2.1116	14.4601	5.58908	9.54591	17.3711	28.1478	26.2472	13.8378	53.1503	20.0988	11.1941
TWF2	7.46274	5.18078	5.2665	11.1983	15.2646	18.1417	6.3255	4.0629	6.62579	10.6714	23.2478	4.99332	10.9714	7.57741	10.2675
TWIST1	1.81966	1.772	2.04601	2.32421	4.12042	6.01221	1.66796	1.30968	0.624267	2.29995	6.88581	0.797715	2.76147	2.99376	4.50881
TWIST2	3.22366	1.97822	2.87913	8.36306	5.85451	11.0207	4.01029	2.08099	0.507849	4.6298	9.41466	2.94926	12.3345	14.6354	18.8408
TWISTNB	2.46772	1.81356	1.94309	2.29182	0.498781	3.03286	1.22208	2.48904	1.44839	2.09717	2.56423	1.10623	3.02702	1.94548	1.82749
TWNK	1.15557	1.18656	0.935076	2.17998	1.91271	2.29053	1.19683	0.987695	1.06898	0.673666	0.605915	1.07083	2.0493	1.70625	0.9522
TWSG1	3.4998	2.61251	2.89018	5.32742	2.04822	6.12271	2.25828	2.88582	2.95664	7.38546	13.348	3.88857	7.87934	5.15253	7.91089
TXK	0.246203	0.33674	0.374501	0.171874	0.135704	0.189351	0.317378	0.4729	0.27083	0.159489	0.134483	0.37506	0.107607	0.249051	0.319361
TXLNA	9.71854	10.7996	10.3752	17.2009	16.1007	21.3331	11.1073	8.65418	9.37366	11.0955	10.4481	8.88742	18.3129	10.5496	12.6542
TXLNB	0.237162	0.214253	0.228897	0.336053	0.145823	0.5932	0.135392	0.17125	0.0300871	0.0992209	0.156174	0.0247473	0.0988226	0.17818	0.368977
TXLNG	1.61622	1.69695	1.82484	1.96937	0.850481	2.21446	1.46666	1.5393	1.46186	1.0506	1.24804	1.38247	2.18406	1.78573	1.73138
TXLNGY	2.41682	2.14341	2.20276	1.50106	0.403518	1.29161	0.0794467	2.35812	0.807886	0.995595	1.45579	1.21815	0.532743	1.58074	1.71211
TXN	49.9657	31.7306	38.6661	93.0354	11.9278	61.0701	25.6021	33.4579	71.3088	565.371	308.659	167.848	308.152	199.227	85.2351
TXN2	10.1857	8.74694	9.90238	19.2261	17.4095	27.494	11.1155	7.97457	16.2869	12.1319	25.1479	10.424	13.0765	10.3754	7.36374
TXNDC11	4.00208	3.178	3.35241	5.10907	3.63845	6.2587	3.41272	3.03949	3.47397	3.90477	5.90485	3.22346	6.61986	4.06314	3.62184
TXNDC12	3.24175	2.20713	2.46304	5.26919	2.4081	6.14893	2.52875	2.83187	2.28077	4.37738	9.50732	2.09373	4.63764	3.12389	3.29307
TXNDC12-AS1	0.177568	0.0285184	0.195863	0	0	0.151197	0.0675805	0.420821	0.072086	0.0742888	0.0668174	0.169406	0.0381887	0.154675	0.595024

TXNDC15	4.1719	3.28567	3.70038	3.29719	4.16109	5.50737	3.61728	3.29507	2.41438	4.62985	10.3823	1.84493	4.37957	3.45591	7.48701
TXNDC16	1.41621	1.19651	1.18396	0.966112	0.371808	0.794015	1.01915	1.44474	0.923123	0.663429	0.973869	0.438875	0.405387	0.518643	0.515625
TXNDC17	4.22199	2.90031	2.52768	23.169	3.11492	12.74	2.74552	2.81352	9.52264	18.9988	32.0453	8.98936	14.4679	14.1809	5.15049
TXNDC2	0.0108704	0.0157126	0	0.044809	0.0168855	0.04628	0.0496458	0.0193214	0.0264778	0.0272869	0.0122713	0.00777805	0.0561081	0.0681761	0.109279
TXNDC5	15.3528	7.28016	8.24282	27.567	15.0366	37.6132	9.54978	10.5127	11.3058	39.6001	68.0438	13.9978	54.4031	28.6272	31.1194
TXNDC8	0	0.0153591	0.0703235	0	0.0165056	0	0.0363967	0.0188867	0	0.106692	0	0.0228092	0	0.0277676	0
TXNDC9	4.25046	3.61486	2.92814	9.55542	1.8562	5.38373	2.15882	3.81778	7.70039	12.7009	18.4075	5.02196	11.2525	6.61699	4.54013
TXNIP	176.172	88.8281	98.3133	77.7059	61.3255	115.802	79.2352	138.348	43.8027	30.5834	41.6812	14.0235	36.288	11.6624	29.0778
TXNL1	9.37711	9.02812	9.15076	17.6743	5.45904	16.8928	7.63688	8.76537	19.428	16.2816	25.4493	10.8002	18.4221	13.5176	8.32654
TXNL4A	6.56659	6.22295	5.73944	12.8217	5.46792	10.9539	6.18217	4.44797	11.4738	10.491	19.1463	6.74103	11.2979	9.78748	6.06638
TXNL4B	1.15483	1.34435	1.00024	2.22043	1.46879	1.94025	1.09731	1.10897	1.02888	1.58561	2.16109	1.14796	2.01024	1.36106	1.46926
TXNRD1	5.09043	2.93157	3.18956	5.95468	3.09584	8.44238	3.6684	3.72535	10.1861	5.53844	9.46981	2.27737	7.70235	4.06686	6.01281
TXNRD2	1.17119	0.965739	1.25715	1.30206	2.57854	2.47377	1.56378	0.756985	1.002	0.97289	1.3112	0.97653	1.36453	1.04246	1.52907
TXNRD3	2.50538	2.19442	2.04639	3.21916	2.96419	3.85463	2.14542	1.45704	1.63185	2.32853	2.86049	1.69412	2.14846	1.87297	1.94483
TXNRD3NB	2.02E-37	0.0250709	0	1.59E-28	0.041655	0.0698792	1.99E-30	0.0401584	4.96E-25	3.29E-28	0.0322298	0.0200196	6.52E-34	9.61E-42	0.0350011
TYK2	5.07208	6.71193	6.97677	7.95548	15.385	12.0286	6.86725	5.28716	4.85021	4.48559	3.77001	4.67782	6.49575	6.79664	8.70029
TYMP	9.95851	7.37737	7.72133	141.776	61.6155	113.735	4.76427	6.30975	26.981	128.877	72.7385	53.5335	126.135	44.1617	28.704
TYMS	1.78716	1.32107	1.16441	8.12752	1.89453	8.42475	2.19885	1.52748	1.81466	5.38041	11.5351	2.47792	8.39952	3.83727	3.35849
TYMSOS	0.30539	0.105694	0.0486907	0.343419	0.260445	1.17283	0.0626161	0.0487384	0.0667906	0.206495	0.808651	0.03953	0.0178685	0.258818	0.0804976
TYR	0.549157	1.71175	2.03045	1.51298	1.54938	6.50823	3.04548	1.98206	0.559618	0.0421989	0.177123	0.489166	0.231388	0.0351445	0.112666
TYRO3	3.31308	6.04761	6.27049	2.68696	11.1881	3.20637	7.20878	3.46621	17.8587	3.76608	3.49072	4.70646	4.00756	3.00985	1.11407
TYRO3P	1.50001	1.30349	0.930687	0.331244	2.24682	0.63862	1.43742	0.952205	0.2936	0.672382	0.090714	0.651646	0.0518465	0.741974	0.653956
TYROBP	9.59397	3.16974	5.15083	25.4638	9.85409	29.3091	10.0599	8.14353	2.7661	23.9354	82.9754	1.51305	18.0647	7.04042	18.4459
TYRP1	5.5524	11.899	13.7467	7.13995	4.94988	42.3446	24.026	17.471	7.56582	0.484788	1.07191	2.7983	0.269977	0.0841138	0.300468
TYSND1	2.61662	3.88423	3.77984	3.09774	8.45813	4.49018	2.90259	1.66902	3.06122	2.06965	2.44968	2.57693	2.88514	2.41492	1.33208
TYW1	3.90786	3.87344	4.15956	3.76432	2.98094	3.7326	2.74393	3.64615	2.8081	2.17666	2.37752	2.27036	2.74266	2.78556	2.27305

TYW1B	1.34127	1.25896	1.28044	1.20145	0.888806	0.766591	1.35321	1.56775	0.230786	0.514454	0.553325	0.743699	0.175486	0.729031	1.13631
TYW3	2.69507	1.90918	2.02504	2.85386	0.748848	2.42775	1.07508	1.78476	1.45092	1.94128	3.30273	1.39196	3.12018	2.08144	2.57954
TYW5	1.2935	1.10725	1.14501	0.906019	0.345565	0.670043	0.459848	1.1677	0.551116	0.741032	0.746598	0.596744	0.767939	0.849927	0.717954
U2AF1	14.494	11.8016	11.4368	20.894	10.0445	24.2301	10.1497	7.95946	16.3468	13.2793	22.0027	9.43751	18.046	14.1768	8.15367
U2AF1L4	1.38494	1.74723	1.74873	1.59623	3.84967	2.7154	1.37322	1.00409	0.90993	0.709019	1.31657	1.7081	0.775982	1.24765	2.72172
U2AF1L5	3.3074	2.69494	2.60376	4.77437	2.28415	5.56754	2.31656	1.82325	3.72266	3.04087	5.00288	2.14518	4.11461	3.23538	1.89042
U2AF2	9.66085	11.4641	11.1291	25.8604	24.5249	29.9322	12.1951	7.607	14.8807	14.0273	14.7025	13.4602	25.8962	15.0933	13.099
U2SURP	5.78188	4.97026	5.34512	6.52536	1.34171	5.29485	3.08146	5.95801	3.08099	4.44445	3.94537	2.94723	6.5763	4.91927	4.88677
UACA	7.08013	4.0179	3.80777	2.67584	1.83867	5.1491	1.83546	2.76804	14.5043	7.70019	9.08787	4.21456	5.44523	4.02202	7.26411
UAP1	5.37142	3.48694	4.16363	9.60424	1.3614	9.8936	3.31911	3.35468	4.30129	10.9783	10.2758	4.2594	15.4523	9.07507	6.23104
UAP1L1	3.29436	1.78278	1.4793	2.56569	5.87579	5.20613	2.44216	1.82755	0.820859	3.67726	3.71892	1.67442	3.63865	4.49315	3.34833
UBA1	19.0205	21.4839	21.7545	47.1141	35.4793	46.5104	29.5379	15.8179	41.0834	46.3436	27.3866	36.572	81.909	32.9823	28.0781
UBA2	12.6874	10.3808	10.539	17.3256	4.9506	16.8961	8.93359	10.6736	14.0981	14.9649	21.9396	8.58731	19.8455	13.2575	10.2016
UBA3	6.10525	6.77247	7.11973	9.85954	2.22243	9.31826	5.47434	7.04674	6.25163	11.0348	17.0513	4.98582	12.4936	8.06568	7.07391
UBA5	3.08939	2.65869	2.60413	3.23632	2.14345	3.56658	1.89608	2.35958	3.28767	2.92969	4.20221	2.01033	3.02556	2.79342	2.69865
UBA52	33.639	23.7558	23.6525	56.2587	24.6231	52.9367	29.6993	21.0951	52.2106	49.8819	89.998	37.8558	41.306	31.1749	18.646
UBA6	3.0441	3.3606	3.64083	9.00417	0.769503	4.02251	1.99604	3.54119	2.25153	5.4156	5.44638	2.60965	8.92618	5.52715	4.52637
UBA6-AS1	1.58666	1.25628	1.17047	2.05169	0.56514	2.21155	0.957725	1.34722	0.541558	1.54748	2.6582	0.846052	1.91701	1.30463	0.899849
UBA7	2.15853	3.1335	3.5367	3.72177	5.751	5.14509	2.45656	1.99282	0.646577	1.21869	2.27899	0.95968	1.40619	1.26323	5.54775
UBAC1	8.60272	10.2429	11.434	11.8418	9.95485	14.8085	9.65247	7.392	9.37508	9.72379	13.9794	6.53687	12.8764	8.58416	5.71444
UBAC2	5.13019	7.01768	7.3835	10.8889	9.56317	11.1058	6.56735	5.29834	12.9646	8.99195	16.1672	8.40711	10.3497	6.3088	5.23992
UBAC2-AS1	0.0641118	0.227931	0.274373	0.344385	0.241099	0.216432	0.233524	0.158886	0.403064	0.19173	0.244451	0.227543	0.131776	0.153196	0.0182517
UBALD1	3.53779	4.63228	4.87785	7.67979	11.4233	10.0692	6.07769	3.0422	10.5521	4.33751	10.8533	6.85588	6.76316	4.9906	3.92814
UBALD2	8.54938	6.78584	6.13285	23.5794	21.1306	22.6948	7.9987	8.0769	21.4629	16.3972	24.8432	11.7865	16.4541	10.1393	6.31679
UBAP1	6.8725	7.42229	7.51929	15.9125	10.2199	12.9344	7.41304	5.45494	27.6016	18.2147	16.9621	12.8434	25.2046	14.1714	8.43358
UBAP1L	1.33872	1.17715	1.12132	0.362141	1.94952	0.983163	1.31833	1.02615	0.203801	0.462062	0.188905	0.46697	0.06478	0.769639	0.648866

UBAP2	5.21814	6.84696	6.00152	8.51769	4.78755	8.01709	6.39565	4.99585	8.01059	7.29291	5.40722	6.97932	10.5759	5.81871	4.46203
UBAP2L	11.039	12.3424	12.922	16.7288	9.82153	26.311	12.7122	11.9324	12.6197	9.58985	10.6989	10.5822	14.8329	11.3947	11.2711
UBASH3A	0.0724352	0.087251	0.194751	0.0839774	0.239098	0.138775	0.0310141	0.104608	0.0110272	0.0454568	0.0511065	0.0453507	0.0642604	0.141967	0.364091
UBASH3B	0.91808	1.14461	1.56891	2.50685	1.46774	2.37373	1.94728	1.62289	2.62392	3.10781	2.42457	1.74537	5.30945	2.34133	1.75637
UBB	56.1065	45.8285	49.8424	116.036	97.2559	117.418	48.9155	41.1227	160.947	81.6734	152.773	77.9538	84.6238	51.7157	54.8014
UBBP4	0	0.00763222	0	0.0163242	0	0	0	0	0	0	0	0	0.0204405	0	0
UBC	213.391	130.249	131.901	268.361	196.851	283.24	176.064	142.414	418.925	394.195	515.751	321.683	381.231	211.338	145.957
UBD	0.103526	0.0482713	0.0524914	0.110128	0.0570621	0.403788	0.0190649	0.0504545	0	0.100595	0.237506	0.00955814	0.396457	0.0942512	0.350109
UBE2A	6.48201	5.82473	6.00466	13.8932	4.40272	14.8163	6.50045	6.51636	15.8789	15.2813	19.5039	10.5812	20.1397	11.3419	9.29129
UBE2B	4.20863	4.2249	4.46294	4.78984	0.477684	5.15468	3.13998	4.80223	8.34654	5.69028	8.71846	3.40117	6.026	3.64612	3.76022
UBE2C	0.643373	0.664258	0.593072	7.74781	0.742397	6.32345	1.28027	0.669795	0.91788	4.38357	10.3963	2.31491	6.55859	6.39843	1.53114
UBE2CP5	2.01485	2.2711	1.77387	0.819115	2.03865	1.03881	1.43517	2.08633	0.945524	1.34562	0.834684	1.79879	1.12108	2.14474	2.57502
UBE2D1	1.0896	1.02057	0.728324	2.45233	1.00197	2.5013	0.806155	1.69653	2.52662	2.91017	5.18576	1.63412	3.52627	1.53074	1.81517
UBE2D2	9.77091	8.50502	8.67767	15.12	8.51695	14.8518	7.81835	8.67626	19.9545	13.7432	19.9089	10.62	18.6569	11.7072	8.1757
UBE2D3	13.4841	12.8134	14.1574	26.3577	9.55319	20.0998	11.7452	16.9945	34.5351	26.3085	31.1335	18.6574	38.095	18.363	14.5439
UBE2D4	3.43408	2.37446	2.77069	1.54304	1.96039	3.04631	3.14979	2.48145	1.81685	1.6743	2.15595	1.49601	1.3961	1.2522	1.94061
UBE2DNL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.134742
UBE2E1	7.97002	7.70329	7.99138	16.6986	2.82976	15.8586	5.97996	9.7779	12.6696	20.202	28.4658	11.4055	18.7363	11.1685	10.3272
UBE2E1-AS1	0	0	0	0	0	0.0759872	0	0	0	0	0.0335805	0	0.038385	0.015547	0.128161
UBE2E2	6.27229	5.03048	4.732	8.3338	3.12513	8.66616	5.41992	6.00668	10.7938	10.5295	13.7308	8.64668	11.7757	6.13713	4.81549
UBE2E2-AS1	0	0.0177276	0	0.0379167	0	0	0	0.0326989	0	0	0	0	0.0949557	0	0
UBE2E3	9.83335	9.14591	7.80614	13.7253	8.67445	16.2668	8.74503	8.1702	11.5727	13.1591	21.3538	9.71305	14.4834	9.30961	7.87716
UBE2E4P	1.46E-41	1.82E-40	5.49E-43	0.0244966	2.38E-25	7.37E-40	2.84E-38	5.04E-44	2.58E-43	1.86E-42	1.78E-40	7.25E-39	3.65E-41	4.64E-42	4.80E-39
UBE2F	3.77346	3.72159	3.22365	9.54778	3.81346	6.74714	2.87776	3.52255	14.3882	11.3367	13.2199	8.77582	15.4228	7.31796	3.95199
UBE2F-SCLY	0.00492683	0.0476447	0.00916459	0.0207997	0.409955	0.426233	0.013688	0.0114453	0.0419609	0.249581	0.219555	0.205644	0.0130395	0.142564	0.00114686
UBE2G1	6.49398	6.3137	6.55569	11.0012	5.92888	8.99855	4.62066	6.49328	19.534	13.2042	14.533	9.86572	17.1292	10.1766	4.66942

UBE2G2	9.49405	7.8785	7.18642	10.9974	8.59165	10.4107	7.36522	6.19732	7.34055	6.43546	7.58827	6.13049	10.5225	8.82463	7.09766
UBE2H	8.10743	9.32506	10.2349	15.6423	8.58158	16.7617	7.1372	6.97811	19.6164	15.0438	11.8605	8.27161	18.501	9.86461	9.83386
UBE2I	6.8184	7.14705	7.1456	13.1368	8.56244	14.9075	7.48842	5.00819	8.93702	8.56645	12.3373	7.36467	12.1122	7.7134	6.43314
UBE2J1	6.56661	5.12078	4.793	8.51379	3.14617	9.79854	4.74682	5.31006	10.1201	10.6033	13.9473	5.8923	14.3678	7.01443	7.58573
UBE2J2	5.34652	6.09925	5.66429	9.18954	9.36713	10.221	6.86352	3.87384	11.8434	8.43877	11.0849	7.58321	17.3647	8.1844	6.3963
UBE2K	7.34506	6.9738	7.37993	10.5532	1.22048	9.20082	5.52369	9.2422	12.6494	10.4154	11.1119	7.20108	12.5569	8.00066	5.58481
UBE2L3	5.91034	5.96058	5.87904	15.3783	5.84731	14.9924	6.60099	5.35689	12.1326	13.1877	19.122	9.47746	19.4637	10.6704	9.19313
UBE2L5	0.0672031	0.0890435	0.0694939	0	0	0.0214584	0.0287739	0.06719	0	0.0105433	0	0.0180321	0	0.00439041	0.048256
UBE2L6	5.32435	4.54215	4.65734	16.2693	5.23872	19.9998	5.7002	4.23624	2.40945	3.89958	10.0876	1.96662	7.49583	3.19911	7.41764
UBE2M	8.09399	7.1338	7.12305	13.208	13.1625	17.2363	8.11445	5.12841	23.8764	12.2935	18.5485	11.4417	19.1742	10.6193	5.75748
UBE2MP1	0	0	0	0	0	0	0	0	0	0	0.0271859	0	0	0	0
UBE2N	7.9985	6.10403	7.05205	17.2891	2.40882	10.7487	6.23324	8.52686	18.9855	15.286	21.0274	10.1161	16.7514	11.6121	7.14998
UBE2NL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UBE2O	3.50063	4.45194	4.43691	4.96588	6.57893	6.90722	4.12027	3.39145	4.58444	2.9074	1.90759	4.05096	4.49766	3.83986	2.824
UBE2Q1	5.30646	5.73967	5.50665	8.02139	6.34659	12.2589	4.21406	3.95654	7.88813	6.29965	8.13842	4.93239	9.9468	6.18852	4.77457
UBE2Q1-AS1	0.208967	0.100683	0.129654	0	0.324597	0.0444831	0.477183	0.23214	0.0636245	0	0	0.149521	0.0674121	0.21843	0.0750256
UBE2Q2	4.57631	3.5153	3.47757	11.3993	3.5543	7.56518	2.49311	3.93922	5.93971	20.1605	16.3172	8.25162	23.6253	14.9114	8.9663
UBE2Q2L	1.4871	1.20911	1.34557	1.43672	2.30999	1.66195	1.27345	1.19771	0.169793	0.81658	0.734455	1.26357	0.839538	1.40872	1.46827
UBE2Q2P1	4.43793	3.75707	3.41058	2.3184	7.5902	2.28911	2.77483	2.82921	1.7698	2.31837	1.34881	3.91697	0.858835	3.7465	2.85987
UBE2Q2P2	1.32345	0.780087	0.554753	0.707992	0.458162	0.162829	0.739504	0.981157	0.341657	0.767555	0.427187	1.22095	0.345687	1.01811	0.420975
UBE2QL1	0.0490879	0.116437	0.184302	0.0739341	0.111443	0.0707346	0.0862261	0.0604042	0.0275924	0.0473926	0.157717	0.0432292	0.048725	0.043417	0.395864
UBE2R2	8.53131	8.68637	9.54916	13.4151	13.7199	15.4703	10.8791	8.16798	25.7889	12.2392	14.8477	9.74174	15.8631	9.44144	7.37508
UBE2S	2.89531	2.2938	2.15408	15.6394	6.88195	14.0804	2.83986	1.46788	6.65001	10.2676	22.4185	4.99148	18.7682	15.2946	5.69288
UBE2T	0.507523	0.427931	0.482838	2.95504	0.19709	2.26878	0.782289	0.338283	0.772633	2.03838	4.72668	0.853393	2.27579	2.05572	1.02041
UBE2U	0.2844	0.102771	0.0588189	0.0732706	0.0331329	0.0242163	0.0649437	0.145332	0	0.00892378	0.0321052	0.0101748	0	0	0.0102109
UBE2V1	8.15109	8.82801	8.93699	16.1358	5.98661	20.3566	8.73125	9.31536	17.0144	15.8439	14.1942	15.0407	21.4909	11.5529	9.70621

UBE2V2	4.252	4.35345	4.18338	8.34109	0.943547	6.95658	2.14998	5.39832	8.7664	10.0254	12.9257	5.4655	14.2851	7.59545	5.60482
UBE2W	1.32099	1.38767	1.48463	1.59349	0.290297	1.34497	0.996747	2.21831	1.27833	1.82507	2.46516	0.991002	1.82519	1.41427	2.02212
UBE2Z	11.7122	12.3813	13.7926	20.34	14.9846	28.0209	12.409	9.63901	17.0142	16.2704	23.3175	11.2409	24.0886	14.541	15.1509
UBE3A	8.99398	7.43868	8.34781	8.00575	4.81163	7.32976	5.80387	9.14266	10.7003	8.08414	8.30861	6.0728	10.5663	6.68134	5.95853
UBE3B	3.22539	5.01475	4.36598	6.76743	6.99493	5.25538	4.77019	3.47554	6.18226	4.53418	3.69353	5.10609	6.40046	4.4177	3.82577
UBE3C	10.3498	9.05871	9.11641	16.0102	9.34636	13.7535	10.1238	7.8523	19.1223	12.0819	13.7259	10.7967	20.9552	12.6279	11.3354
UBE3D	0.629548	0.620439	0.556316	0.641396	0.466728	0.700522	0.449249	0.425975	0.339796	0.332221	0.581467	0.527241	0.360024	0.594496	0.20548
UBE4A	7.73729	7.76409	8.34369	8.70762	4.02243	9.08052	8.5928	8.29109	12.2244	7.41306	8.57714	7.06534	11.0137	7.09894	7.08743
UBE4B	7.28258	10.0427	10.1379	8.6286	10.8355	9.76397	10.0769	8.03944	15.1352	8.1028	7.3947	8.90637	9.146	6.26896	5.67036
UBFD1	3.08824	3.0415	3.1178	4.37718	3.46296	7.3333	3.38673	2.63195	3.22383	3.19274	4.36575	2.30711	2.99181	3.35811	3.97003
UBIAD1	1.38631	1.0592	1.21423	1.37004	0.921001	2.10663	1.48343	0.97261	0.576763	0.657687	1.22918	0.546361	1.59453	0.896216	1.25657
UBL3	7.46052	6.92491	8.13664	7.89133	5.51728	6.017	8.64586	7.34017	28.7823	6.93757	13.2732	4.3742	6.81653	3.63201	5.38389
UBL4A	5.85863	5.28978	5.04761	10.2127	9.8098	10.9698	5.30255	3.50565	9.79752	6.78005	9.30081	5.53373	11.2647	6.30676	3.87897
UBL4B	0.337631	0.28838	0.266616	0.680061	1.09659	1.16302	0.367973	0.218224	0	0.154095	0.0866234	0.142754	0.366363	0.112293	0.617121
UBL5	30.378	21.2513	22.3544	65.574	38.5218	56.5947	26.1752	14.2153	89.0695	74.2858	142.534	51.3627	49.9968	38.9977	22.2828
UBL7	4.30796	5.15962	4.54594	7.50424	9.82848	8.48265	7.61556	3.1542	16.8577	4.42385	10.0302	4.95647	4.73772	3.97216	4.1831
UBL7-AS1	1.47698	1.60496	1.8836	0.970408	2.91072	1.81501	2.20088	1.34749	1.42013	0.776194	1.02323	0.957135	0.682748	1.00487	1.02441
UBLCP1	4.01108	3.38784	2.88059	6.21517	1.00108	4.99612	1.65836	4.1973	7.0757	7.18325	9.40349	4.79715	8.16717	5.10769	3.8679
UBN1	6.21598	6.04298	6.23813	7.0108	9.51305	10.5014	6.08338	5.31878	6.91335	6.04697	4.34532	5.9127	11.1462	7.13436	6.34473
UBN2	3.47021	5.03827	5.28829	2.67597	1.79696	2.36226	3.60658	4.02065	2.61874	1.93458	1.49765	2.49531	1.71399	2.15225	2.3046
UBOX5	2.01034	1.553	1.82721	1.37546	2.41143	2.27284	2.45394	1.65983	1.32904	0.949641	1.08563	1.05568	1.24403	1.01953	1.18754
UBOX5-AS1	0.278224	0.364101	0.41965	0.125156	0.591987	0.108262	0.316507	0.405323	0.0333101	0.112488	0.0647632	0.230786	0	0.166947	0.273314
UBP1	8.7715	7.03659	7.04998	11.1479	6.71786	10.259	5.67219	8.18961	7.20507	7.48792	8.07426	5.59388	10.2097	8.58343	7.65212
UBQLN1	12.7988	11.9155	12.7102	16.4683	7.99537	17.0392	10.0486	12.0554	19.354	19.1373	19.7823	13.0751	27.1679	15.6741	10.5419
UBQLN2	4.78705	4.92287	5.37174	12.9784	4.81706	12.9029	5.67443	5.64436	12.691	18.3986	15.4782	11.08	28.4525	7.14127	8.38202
UBQLN3	0.0853637	0.123389	0.0470793	0.00977442	0.0883996	0.0807623	0.162443	0.0758642	0	0.0238089	0	0	0	0	0

UBQLN4	3.95751	5.72964	6.071	11.8918	11.121	13.1083	6.93141	4.85448	9.12473	7.38636	7.14942	7.66127	10.6926	7.66112	3.95454
UBQLNL	0.198312	0.128992	0.262493	0.06131	0.0770119	0.101316	0.135856	0.114558	0.0362283	0.0124451	0.0559675	0.0567591	0	0.015547	0.0996806
UBR1	3.49013	2.37123	2.39289	3.12554	1.20217	3.03796	2.28587	2.62373	2.82402	3.40537	3.6161	2.15733	3.14059	3.18124	3.96948
UBR2	5.42027	5.72671	6.06417	5.4891	3.08042	3.96961	4.50466	4.70822	3.42761	4.76538	4.57145	3.39727	4.93312	4.30104	4.21021
UBR3	7.48737	6.55609	7.03184	5.41586	2.64884	5.11419	5.3858	6.77053	6.25166	5.55518	4.93079	4.62241	5.42223	4.84857	4.16656
UBR4	12.6207	13.1004	14.4851	11.8557	13.6648	17.4627	18.8189	11.4778	15.7415	13.3987	7.35472	14.4898	16.6814	12.912	14.2618
UBR5	11.4221	10.5737	11.3276	11.5494	6.52052	11.806	8.24311	9.3058	9.91146	11.0764	8.53654	9.23107	11.6087	10.1084	9.16486
UBR5-AS1	0.280333	0.435221	0.48959	0.32099	0.290303	0.265222	0.248947	0.387546	0.189675	0.351847	0.45711	0.133724	0.281352	0.162794	0.626257
UBR7	4.19757	3.42608	3.84054	4.75185	2.16045	6.86559	3.11166	3.13469	3.50985	4.12821	5.91961	2.9183	5.91363	3.41194	3.54497
UBTD1	3.51315	4.81462	6.19715	4.98686	11.0629	7.46104	6.27433	3.45021	13.6516	5.97066	13.7804	4.76342	7.63787	4.65104	3.73001
UBTD2	3.06271	2.51861	2.78135	4.09754	1.81236	4.61441	2.05958	2.62638	3.0476	4.54731	6.22162	2.20244	5.47746	3.18136	5.47876
UBTF	10.427	10.9185	10.3627	12.2733	18.0585	17.0709	11.2457	9.25525	9.40748	6.71396	6.35985	7.3374	13.347	8.23873	7.78133
UBTFL1	0	0	0	0	0	0	0	0	0	0	0	0.0280194	0	0	0
UBXN1	14.488	13.3594	15.3531	16.4637	25.1352	26.3915	12.2258	9.68336	21.7068	13.3534	25.199	9.92585	16.9736	12.1494	9.33468
UBXN10	0.261386	0.163922	0.226534	0.0940643	0.199789	0.0777218	0.288968	0.294982	0.035371	0.0572815	0.154562	0.020781	0.0401536	0.0824008	0.148962
UBXN10-AS1	0.136403	0.0657211	0.18807	0.0937115	0.070627	0	0.155741	0.121224	0	0.114133	0.205309	0.0325333	0	0.166344	0
UBXN11	1.44086	1.85665	1.96815	1.47333	2.6719	3.20508	1.46658	1.10184	0.462506	0.869164	1.10958	0.839162	0.944045	1.33098	1.97301
UBXN2A	4.16893	3.54018	3.37803	5.55608	2.48776	5.46522	3.37803	3.69413	6.83423	6.70549	7.78386	3.38538	9.07108	4.10853	2.38782
UBXN2B	2.0588	1.71969	1.7248	2.78553	0.452999	2.50541	1.11818	2.06179	1.78115	1.48048	1.91631	1.24889	1.71868	1.44227	1.16268
UBXN4	13.6414	13.6314	14.5571	15.5016	7.07519	16.3824	8.21553	12.6101	16.7541	14.8708	14.9243	9.68238	16.5871	12.4662	12.4781
UBXN6	19.0323	16.9752	16.8978	22.689	38.5829	43.5245	18.4824	12.26	28.4541	20.9435	31.081	16.7259	27.5257	19.0389	15.5258
UBXN7	5.4483	6.14317	6.62306	6.15896	3.44905	6.14251	5.47716	6.3285	6.09339	5.97263	5.57626	4.5703	5.43691	4.60869	4.69186
UBXN7-AS1	0.286038	0.175752	0.345256	0.0267973	0.161569	0.154991	0.449855	0.207987	0.0316693	0.0328153	0.117419	0.0930307	0	0.135905	0.336098
UBXN8	1.27951	1.08655	0.952647	2.63714	0.869537	2.43772	0.675665	1.30768	0.779147	1.82672	2.94297	1.1444	2.25989	2.03961	1.05658
UC.134	0.309896	0.226955	0.153821	0.140517	0	0.105549	0.212298	0.341508	0.0452903	0.124465	0.0979536	0.0709565	0.0239932	0.18788	0.338238
UCA1	0.120016	0.173476	0.157202	0.381346	0.124284	0.238448	0.205545	0.195543	1.23023	1.01677	0.293546	0.500935	0.780789	0.350217	0.0718158

UCHL1	1.6266	0.17857	0.340668	0.806303	1.1514	3.83952	1.03439	0.841735	0.5266	2.42919	8.6698	0.265187	0.464958	0.527298	1.53762
UCHL1-AS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UCHL3	8.53689	6.70189	7.06231	19.9532	2.3183	11.3186	6.02096	6.34892	35.6255	21.3292	27.384	16.1465	24.8823	15.8083	6.25861
UCHL5	2.63545	2.02999	2.33177	1.98982	0.505028	1.97396	1.43366	2.94024	1.80555	1.68438	1.63493	1.56072	2.45805	1.88518	1.41893
UCK1	3.91808	3.36965	3.31688	4.749	6.9691	10.4666	3.50002	2.44466	4.11659	3.88566	5.91265	2.22246	4.87248	3.6711	3.01751
UCK2	4.69771	4.50302	4.17578	8.98873	6.0566	8.65344	5.3534	3.6685	4.57925	5.01762	4.87256	5.30371	10.4559	5.36764	3.64069
UCKL1	3.46996	4.39487	4.44088	5.67113	5.7593	6.25952	4.3586	2.97335	4.78311	3.96648	5.7731	4.77591	4.82456	4.94353	4.45923
UCKL1-AS1	0.44417	0.985535	0.84455	0.663949	2.4973	1.22889	1.35686	0.85114	0.238884	0.276692	0.094207	1.14704	0.193784	0.801017	1.0478
UCMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UCN	0.320218	0.168312	0.38532	0.179997	0.587848	0.446174	0.232664	0.181099	0	0.182685	0.394349	0.104148	0	0.243433	0.0836134
UCN2	0.68572	2.14003	1.76629	1.46149	3.38915	2.37534	1.93954	0.706363	0.588387	2.09294	2.0232	3.21153	3.02658	6.14145	7.05013
UCN3	0.0192859	0.0185845	0.0159546	0	0	0.0164217	0.06606	0.0342794	0	0	0	0	0	0.0100796	0
UCP1	0	0.0111507	0.0574367	0.0238496	0	0	0.026424	0	0.0281856	0.0290469	0.0261256	0	0	0	0
UCP2	3.69783	2.08652	3.12889	6.67962	4.89223	9.49384	4.04547	3.74865	0.616454	3.72351	10.7613	0.734412	6.29566	2.71158	8.05668
UCP3	0.365242	0.33276	0.373572	0.198461	0.309462	0.254453	0.197137	0.342302	0.080877	0.125023	0.0599727	0.175811	0.0257075	0.267248	0.41009
UEVLD	2.70984	2.64411	2.2136	3.50951	0.914409	3.22703	1.69976	3.32489	4.28383	3.04086	3.72909	1.92503	3.49989	2.43589	1.76767
UFC1	14.583	15.5632	15.9376	29.7376	13.3608	21.9717	14.2718	11.897	39.6659	28.8916	44.8932	21.4004	27.2951	15.0063	14.9593
UFD1	7.61987	5.13553	4.93415	11.3463	5.03747	13.7007	5.95543	4.9076	9.70818	12.837	20.0452	6.93692	14.9246	7.75759	6.02522
UFL1	5.31657	4.7997	5.07665	4.90604	1.11139	6.49056	3.73266	5.21405	5.37571	5.35347	6.34968	3.55211	6.55152	3.93214	4.63175
UFM1	5.59776	4.48359	4.70118	5.72822	0.944693	6.43133	2.86714	4.98646	4.20514	6.02442	7.95803	2.69986	9.0292	5.44455	4.98686
UFSP1	0.441484	0.638141	0.365227	0.814142	1.51593	1.26625	0.344891	0.144552	0.764068	0.554108	1.65252	0.432275	0.629653	0.534342	0.133479
UFSP2	4.84881	3.93637	4.45652	5.72566	1.44016	5.41397	3.12809	4.38873	4.0895	5.69152	7.49207	3.45701	6.66594	5.30267	4.10418
UGCG	5.42235	7.4903	8.94287	21.5193	4.80278	11.5623	7.71248	8.53054	39.7353	18.9978	27.5322	14.9167	31.5607	16.4339	11.8465
UGDH	3.93198	4.2461	4.39101	14.3947	3.21698	11.826	3.23915	3.17909	8.28102	10.1882	12.9646	5.33159	13.8108	7.03944	8.06992
UGDH-AS1	111.997	105.343	104.903	55.6153	35.4259	30.3553	72.9142	118.291	20.4808	41.6124	20.1508	64.7282	11.5272	77.2792	83.0083
UGGT1	4.66235	3.79601	3.77495	6.49992	3.61788	5.98913	3.93226	3.91275	2.69767	5.03551	5.19656	3.55364	7.02029	4.59543	4.87019

UGGT2	2.63875	1.39355	1.44106	2.45802	0.40843	2.54671	1.59755	2.25747	0.749101	2.35133	3.62017	1.06835	2.11753	1.91654	2.85904
UGP2	13.827	9.49885	9.4353	19.5631	4.9122	18.6873	7.52493	9.94202	21.651	30.0117	34.4882	11.7144	28.1966	17.0689	14.361
UGT1A1	0.0572175	0.0506755	0.0939104	1.29E-11	9.91E-30	9.37E-12	0.105035	0.161032	1.73E-15	3.75E-10	2.78E-13	0.014459	5.43E-10	4.22E-09	2.42E-09
UGT1A10	4.76E-18	0.0082705	0.0131576	7.16E-12	5.49E-30	5.19E-12	7.95E-24	0.0143533	9.61E-16	2.08E-10	1.54E-13	3.83E-17	3.01E-10	2.34E-09	1.34E-09
UGT1A3	0.077052	0.110804	0.218559	0.090904	0.0431597	0.0232632	0.264692	0.227235	2.24E-15	4.84E-10	3.59E-13	0.0146121	7.01E-10	5.45E-09	3.12E-09
UGT1A4	0.0564269	0.216802	0.173979	9.02E-12	0.0212106	0.0674793	0.571258	0.355972	1.21E-15	2.62E-10	0.0839341	0.0142475	3.79E-10	2.95E-09	1.69E-09
UGT1A5	0.096315	0.187514	0.286859	1.67E-11	0.0215798	1.21E-11	0.476445	0.221481	0.0792645	4.84E-10	3.59E-13	0.0730605	7.01E-10	5.45E-09	3.12E-09
UGT1A6	0.114149	0.623359	0.650464	0.0731076	0.0188122	0.131236	0.767544	0.522863	0.087809	0.00392115	0.0472831	7.23E-10	0.00567748	0.0585276	0.0252748
UGT1A7	0.0778293	0.0172046	0.0272904	2.16E-11	1.65E-29	0.0471949	0.0355773	0.0744687	0.0267221	0.0453815	0.0292629	0.0886108	9.07E-10	0.0377128	4.04E-09
UGT1A8	3.79E-18	8.01E-20	4.35E-22	5.69E-12	4.36E-30	4.13E-12	6.32E-24	0.0142439	7.63E-16	1.65E-10	1.22E-13	3.04E-17	2.39E-10	1.86E-09	1.06E-09
UGT1A9	5.76E-18	1.22E-19	0.0132395	8.65E-12	6.64E-30	6.27E-12	9.61E-24	0.014444	1.16E-15	2.51E-10	1.86E-13	4.63E-17	3.64E-10	2.83E-09	1.62E-09
UGT2A1	0	0	0	0.0209337	0	0.00094280 8	0	7.63E-08	0	0	0	0	0	0	0
UGT2A2	0	0	0	7.18E-06	0	0.00641917	0	0.0320367	0	0	0	0	0	0	0
UGT2A3	0.00377414	0	0	0	0	0	0	0.00335415	0	0	0	0	0	0	0
UGT2B10	0	0	0.0023249	0	0	0	0	0.00499517	0	0	0	0	0	0	0
UGT2B11	0.025033	0.132674	0.269218	0	0.0194425	0	0.014291	0.0111236	0	0	0	0	0	0	0
UGT2B15	0	0	0	0	0	0	0	0	0	0	0	0	0.00010588 9	0	0
UGT2B17	0.0111587	0	0	0	0.00866662	0	0	0	0	0	0	0	0.00708417	0	0
UGT2B28	0	0.00608329	0	0	0	0	0	0	0	0	0	0	0	0	0
UGT2B4	0	0.00458687	0	0	0.0295756	0.0162123	0	0	0	0	0	0	0	0	0.0957032
UGT2B7	0.0981053	0.0614492	0.0973916	0	0	0.0751819	0.0672081	0.0697503	0	0	0	0	0	0.00512741	0
UGT3A1	0	0.00426738	0	0	0	0	0	0.00787127	0	0	0	0	0	0	0
UGT3A2	0	0.3413	0.521787	0.059999	0.015073	0.214824	0.044317	0.112109	0	0	0.0109541	0	0	0	0
UGT8	4.01497	3.47203	3.3926	1.6784	0.908733	0.823772	2.18406	3.91618	0.443853	0.906405	0.296633	1.40802	0.180259	1.78428	1.57883

UHMK1	4.92909	4.01576	4.36739	8.60544	2.59924	7.21501	3.45793	5.35209	3.35958	5.68656	7.60406	3.73921	9.50937	6.45173	4.40308
UHRF1	0.699145	0.585748	0.60417	4.54786	1.30045	4.9104	0.960964	0.360141	0.450146	1.90032	1.70417	1.23312	7.95856	3.1839	2.1808
UHRF1BP1	2.21749	1.86597	2.00538	2.0475	1.39572	3.61267	2.0573	2.00701	1.04749	1.82127	1.42927	1.5265	2.91102	2.15593	2.06671
UHRF1BP1L	4.4013	2.81178	3.1657	3.34694	0.958732	3.54108	2.47375	3.51432	4.12131	4.54642	3.91619	1.94315	5.47618	3.10565	4.40746
UHRF2	4.91479	4.3164	4.34378	6.15469	3.2277	4.43915	2.80577	3.64356	1.84874	4.41952	5.46395	3.06704	3.67277	5.70962	5.25347
UIMC1	4.4564	3.61378	3.66165	4.2344	3.43769	4.46343	2.73381	2.94686	2.24455	3.06206	3.12075	2.9887	2.70468	3.695	3.35184
ULBP1	0	0.0106881	0.00846026	0.0815006	0.0555997	0.134973	0	3.65E-34	0.685024	0.400992	0.252083	0.556129	0.559902	0.308982	0.136521
ULBP2	0.10607	0.142123	0.114872	1.12227	0.6735	1.42415	0.168152	0.182061	3.53794	9.49619	5.77362	3.66306	9.82651	3.27307	1.52856
ULBP3	0.220831	0.152506	0.0791642	0.773746	0.240118	0.513961	0.20171	0.111212	0.564788	1.33963	1.01378	0.584638	2.47438	0.965645	0.507425
ULK1	5.94309	9.23529	8.46922	8.20714	18.6217	12.3172	11.9267	7.18409	24.1429	10.0791	11.677	12.1136	14.7431	9.43649	7.30665
ULK2	1.67134	2.08763	1.94409	2.60704	1.95892	2.09372	1.41676	1.31206	1.38785	1.95786	2.34699	1.24662	1.43126	1.64115	2.12387
ULK3	10.9638	16.1244	14.3761	9.61434	28.3207	15.1745	14.7967	9.40071	41.1875	11.7095	17.1514	20.5201	8.73755	10.3228	5.07156
ULK4	2.39084	1.17364	1.17704	1.35024	0.811304	1.41086	1.32634	1.81267	0.44417	0.63858	0.757339	0.786091	0.456087	1.33663	1.48723
ULK4P1	0.0557007	0.144775	0.14314	0.0488437	0	0.0444722	0.0329012	0.00076730 3	0.00876628	9.16E-05	2.22E-06	0.0519846	0.0193337	1.28E-09	0.330719
ULK4P2	0.0557007	0.144775	0.14314	0.0488437	0	0.0444722	0.0329012	0.00076730 3	0.00876628	9.16E-05	2.22E-06	0.0519846	0.0193337	1.28E-09	0.330719
ULK4P3	0.28873	0.0590879	0.0763999	0.190601	0.203162	0.0407431	0.203107	0.200799	0.0924877	0.1484	0.144733	7.62E-08	0.105322	0.0924812	0.040435
UMAD1	0.90609	0.86404	0.969365	1.30336	0.498479	1.18458	0.635814	0.956243	0.655212	0.544926	1.09745	0.599281	1.13759	0.942193	0.867507
UMOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UMODL1	0.0083882	0.0101039	0.010409	0.0129664	0.0195447	0.0178561	0	0.00745474	0	0.00526403	0.0378769	0.0300099	0.0487082	0.0811048	0.0963722
UMODL1-AS1	0	0.0104163	0.0178847	0.0111395	0	0	0	0	0	0	0	0.00773446	0.00697421	0.022598	0
UMPS	3.00288	3.37656	3.03597	3.9249	2.4506	3.75323	2.99957	2.28662	3.40981	2.61746	3.60778	2.73487	3.59973	3.24325	1.84268
UNC119	4.56379	4.07255	4.27814	4.1048	5.15956	7.31216	4.67122	3.29995	3.40398	3.55884	7.49928	2.43465	3.98994	3.28146	3.18014
UNC119B	4.17773	4.27645	4.51251	5.86492	5.6242	8.5509	3.378	2.78812	2.6624	3.95734	5.08394	2.53055	5.76047	4.9382	3.75833
UNC13A	0.0329338	0.015868	0.00778433	0.0290908	0.0255788	0.126192	0.0107436	0.0104531	0.00859493	0.0354303	0.0451449	0.038714	0.0151777	0.0811453	0.131756

UNC13B	5.84577	7.44407	6.30756	8.1272	9.04171	7.41476	8.31646	4.71075	11.8193	8.17886	5.13363	9.42526	10.5885	6.81141	3.26542
UNC13C	0.230317	0.0182918	0.0397819	0.0182576	0.0117943	0.0948233	0.135819	0.0517339	0.0123297	0.0127064	0.0114285	0	0.00489888	0	0.00363477
UNC13D	1.0383	1.36876	1.19033	3.4001	4.29818	2.36059	1.23364	1.1148	2.91421	5.54345	3.71268	6.11694	8.40614	5.09882	3.33045
UNC45A	5.56871	6.76279	6.51963	10.0287	17.2323	13.5638	8.2111	4.04699	12.5789	8.81486	5.61852	8.6681	13.5131	7.03222	5.54976
UNC45B	0.0040752	0.00392699	0.00337129	0	0.0189906	0.0104099	0	0	0	0	0.0184016	0	0.0026293	0	0
UNC50	5.37881	5.53272	5.84027	7.6034	3.18815	8.30124	4.24238	5.23624	5.55956	6.39565	9.64731	4.00061	6.2216	5.38198	3.8115
UNC5A	0.0433971	0.0388317	0.0205149	0.287498	0.125191	0.83934	0.0424709	0.0440774	0.0604032	0.272339	0.440909	0.0576676	0.223997	0.17821	0.400652
UNC5B	4.02736	6.1483	2.00348	5.76685	22.8011	9.50409	3.73924	2.64183	17.684	8.81941	8.5731	12.4373	13.3687	7.98571	9.29072
UNC5B-AS1	0.393468	2.63687	0.295913	0.294894	5.00065	0.548235	0.449249	0.317892	52.5812	2.11005	5.45125	6.16821	0.323099	0.916048	1.18151
UNC5C	0.325661	0.205449	0.310112	0.0676036	0.203802	0.357094	0.181902	0.189477	0.0171202	0.199958	0.121662	0.08382	0.0196511	0.106531	0.346562
UNC5CL	0.406927	0.384998	0.446811	0.198238	0.563142	0.447291	0.616672	0.282739	0.0540645	0.269297	0.0501131	0.137643	0.147981	0.181743	0.170007
UNC5D	0.00496579	0.011963	0.0164322	0.0895543	0.0578519	0.0782236	0.0141744	0.0110329	0.0393105	0.021814	0	0.0319784	0.0720877	0.0493114	0.0178287
UNC79	0.00643995	0.0148353	0.00532758	0.0287584	0.00666898	0.0292455	0.00980391	0.00763106	0.0444445	0.0269427	0.024233	0.0122879	0.0152351	0.00448774	0.0154143
UNC80	0.00682585	0.0115108	0.0141171	0.00351712	0.00795218	0.00871819	0.0194838	0.0212319	0.00207828	0.00214179	0.0154111	0	0	0.00267562	0.00490139
UNC93A	2.56536	3.06895	3.3194	2.06749	5.02369	1.5496	4.11819	3.92644	15.0206	2.3942	4.20783	2.60433	0.495132	0.441193	0.25191
UNC93B1	4.53688	3.84821	4.59461	6.3092	6.98538	12.9562	5.64683	3.27877	2.81735	3.51667	8.34084	1.86927	4.93437	3.12161	4.32459
UNCX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNG	4.19625	5.05216	5.6482	8.85037	6.12321	7.17945	6.58926	4.10309	7.17146	4.68975	6.47068	5.05322	7.33963	3.93645	3.11855
UNK	3.80289	4.63267	4.84237	4.231	6.36325	7.57773	5.40002	4.14206	3.45826	3.41424	4.63995	4.16531	3.68485	2.85307	3.39281
UNKL	1.77348	2.21465	2.13067	1.51348	4.54622	3.93796	2.29557	1.66755	0.948687	0.86201	1.10034	1.19073	1.38272	1.45232	1.55557
UNQ6494	0	0	0	0	0	0	0	0.00937448	0	0	0	0	0	0.011026	0
UOX	0.052558	0.0168822	0.0144932	0	0	0.0149175	0	0.0311395	0	0	0	0	0	0.0366255	0
UPB1	0.100768	0.0971031	0.194512	0.0346148	0.0173919	0.133471	0.178972	0.0796037	0	0.224843	0.0126394	0.0160227	0.0144478	0.0175553	0.32159
UPF1	5.66961	8.55747	7.96083	11.8138	17.0789	17.1426	7.51453	5.74211	9.00065	6.06855	5.01146	7.89477	12.2539	7.80604	7.87047
UPF2	4.24947	4.14609	3.52947	4.39226	2.07513	5.19278	1.67056	2.85317	3.48125	3.47582	3.00181	2.62788	4.5203	4.13156	3.07573
UPF3A	4.98345	4.78041	4.5293	3.90118	4.52875	6.7114	2.14179	3.26391	2.69745	3.41812	2.50668	3.6992	5.32236	3.79462	3.19705

URAHF	0.327668	0.495869	0.62308	0.228684	0.658636	0.25585	0.32442	0.29566	0.130454	0.308204	0.211673	0.283094	0.0834226	0.355568	0.456545
URB1	2.9948	3.82496	4.23322	3.73542	3.9415	5.96917	4.02583	2.98183	2.03447	1.91325	1.4721	2.83665	4.3505	4.09515	2.99778
URB1-AS1	1.8795	1.2705	1.16034	1.24307	0.435747	1.7198	1.82566	1.1468	2.56233	1.09146	2.94507	0.8631	0.705866	0.703742	0.846016
URB2	1.41809	1.58311	1.46727	2.24893	1.40292	2.50543	1.6098	1.28934	1.90625	1.26179	1.34249	1.57904	2.95574	2.46907	1.3851
URGCP	2.93923	3.53393	3.55468	4.10711	5.84523	5.22865	2.61724	2.07733	2.32983	3.74603	2.01859	2.49373	4.53595	3.83935	2.96262
URGCP-MRPS24	0.31151	0.0917554	0.255571	0.344847	0.00284151	0.0693978	1.21216	0.0121765	0.171022	0.409483	0.00918231	0.281104	0.67725	0.614111	0.00149479
URI1	8.84631	8.94614	9.3128	9.71743	4.99321	9.87783	5.65331	7.95986	10.7817	6.5561	9.23286	6.32519	8.48406	6.12398	4.88634
URM1	3.23267	2.72826	2.70469	4.98082	5.78775	6.96195	3.44531	2.4392	1.96852	3.14182	6.83055	2.12532	3.69741	3.28032	2.83376
UROC1	0	0.00971031	0.011115	0	0.0417407	0.0343211	0	0	0	0	0.0227509	0.00480681	0	0.00351105	0
UROD	7.98415	5.30764	5.47579	9.11126	7.39694	16.3947	6.37945	4.00631	4.42697	8.94515	21.861	4.34998	9.42197	6.08094	8.22928
UROS	2.25488	1.65535	1.45577	3.59549	2.76896	6.33732	2.418	1.50297	2.30086	3.28905	7.07749	2.03859	2.36903	1.85136	2.3412
USB1	1.71952	1.43515	1.29425	9.02477	4.26195	6.77666	2.04376	1.51982	3.29576	4.54631	6.43857	4.1012	9.56669	5.27427	3.42754
USE1	2.94695	3.89492	3.53388	6.51963	7.6014	6.28474	3.61169	2.85928	6.02567	3.9702	7.96587	3.61755	3.05264	3.54671	2.71793
USF1	5.39795	5.73029	5.23763	7.81125	8.40446	10.6852	4.392	3.42981	7.61854	8.19962	10.9485	5.14383	7.1689	6.78934	6.35748
USF2	16.9627	17.2287	16.2129	23.9188	39.3775	38.1126	17.9012	12.5189	27.9578	18.4355	23.181	17.4209	26.2037	16.2065	13.0063
USF3	3.63853	3.04982	3.2475	2.65169	1.16447	2.91557	2.60057	3.4542	2.56214	2.42429	2.42635	1.97042	3.14823	1.83812	2.51206
USH1C	0	0.00335864	0.00576674	0	0	0	0	0	0	0	0	0	0	0.00364324	0
USH1G	0.888619	1.96263	1.30929	1.47723	8.4533	0.878155	3.46591	0.495744	7.90754	2.07594	1.25942	3.36017	1.18852	1.53567	0.791785
USH2A	0.0722325	0.0541375	0.0682923	0.0354465	0.0195908	0.025383	0.0497454	0.0672511	0.0111709	0.0187074	0.0116488	0.00656308	0.00665772	0.0173778	0.0510442
USHBP1	1.0388	0.30769	0.24654	0.368537	1.38876	0.877272	0.476371	0.363225	0.0933299	0.309919	0.365259	0.219331	0.412025	0.618574	1.24728
USO1	9.26747	9.84977	10.706	13.3423	2.40664	11.6209	5.24841	8.18048	18.0432	12.9828	11.9022	9.94069	17.8459	10.7142	9.05563
USP1	4.66943	4.23664	4.46947	5.16423	1.81544	4.77391	2.32264	3.75292	4.51185	5.31398	6.21093	2.67051	6.89686	4.02516	3.84775
USP10	6.548	7.24687	7.78077	11.7988	5.57886	11.5399	6.37383	6.5659	7.29816	4.98089	5.9882	6.70139	10.8522	8.08572	5.80378
USP11	4.97329	3.95188	4.41686	4.66118	4.4035	12.2549	4.73062	3.30707	1.54207	2.84289	4.49456	1.73145	2.87289	3.68382	7.708
USP12	5.0778	5.01941	6.47539	4.37481	1.18952	3.91232	4.27783	5.80077	5.0137	5.76681	5.87725	3.19201	6.79772	4.98543	4.82713
USP12-AS1	0.376923	0.472178	0.311817	0.466116	0.117098	0.192567	0.258215	0.267982	0.0918099	0.189231	0	0.377578	0	0.315194	0.324785

USP12-AS2	0	0.0426684	0.0244204	0	0	0.0251352	0.0674081	0.0524684	0	0.0370496	0.0333235	0	0	0	0
USP13	1.6512	0.9277	1.1343	0.919951	0.525665	1.17993	1.29572	1.24189	0.25226	0.842152	1.47868	0.490543	0.988174	1.18013	1.84763
USP14	6.25355	5.40896	5.81833	7.99386	2.57768	8.62975	4.6223	5.83469	5.52722	7.13596	7.46804	5.19971	9.30873	6.95305	4.43045
USP15	3.69275	3.49117	3.72198	3.75352	1.1141	2.90499	2.60499	3.92264	7.67257	5.52279	5.03738	3.81289	5.22159	3.62795	2.69198
USP16	7.44754	6.20701	5.3792	6.91295	1.40907	5.53663	3.16809	5.73133	9.03313	7.9123	8.62248	4.35258	9.69886	6.43423	6.27288
USP17L1	2.54E-08	0.124414	0.27626	1.17E-05	0.0444592	0.137831	0.177837	0.198429	1.12E-32	0.0151951	0.00546676	0.0552971	0.0187467	3.31E-12	4.85E-05
USP17L10	3.73E-17	3.47E-33	0	7.04E-26	1.58E-38	1.73E-11	1.49E-43	8.09E-36	0	0	1.13E-30	0	0	0.0107909	9.96E-33
USP17L11	0.0521805	0.0881443	0.0141027	0.0277657	0.0729164	0.00054904	0.0294783	0.0141116	0	0	0.00109333	0.00800239	0.00024011	0.0222712	2.81E-09
						7							5		
USP17L12	5.01E-15	8.48E-15	2.58E-13	4.30E-07	2.40E-11	3.39E-19	9.32E-15	2.60E-13	0	0	1.13E-30	8.33E-15	0.00024011	2.74E-12	4.51E-18
													5		
USP17L13	1.09E-12	7.65E-11	1.77E-14	4.38E-15	7.80E-17	3.48E-19	1.49E-13	1.82E-08	0	0	1.13E-30	1.83E-09	0.00024011	4.50E-34	0
													5		
USP17L15	0.0501048	0.137005	0.263514	9.40E-09	0.374832	0.0194288	5.63E-09	0.0362222	0	0	5.18E-08	0.0445144	1.68E-05	1.37E-06	0.133433
USP17L17	2.69E-05	1.80E-08	6.77E-09	3.29E-13	3.02E-14	6.96E-19	2.56E-07	1.63E-06	0	0	7.37E-07	2.75E-07	0.00024011	2.98E-17	7.02E-21
													5		
USP17L18	0.0782696	0.131789	0.0194753	0.0214547	0.106183	0.00054904	0.0442049	0.0211674	0	0	0.00081999	0.0119998	0.00024011	0.0333613	2.81E-09
						7					7		5		
USP17L19	2.34E-16	7.71E-18	6.96E-16	3.44E-08	1.29E-13	3.79E-09	1.91E-15	4.59E-19	0	0	8.15E-11	9.39E-11	2.19E-19	5.75E-16	4.55E-18
USP17L2	0.546243	0.527638	0.490205	0.269889	0.845277	0.199308	0.0889401	0.263147	0.0707737	0.0455852	0.0492008	0.00921618	0	0.0121487	0.390012
USP17L20	0.0590002	0.10149	0.0266412	0.0279544	0.0728948	0.00054904	0.0294787	0.0199309	0	0	0.00109357	0.0146304	0.00016007	0.0201966	1.87E-09
						7							7		
USP17L21	5.01E-15	8.48E-15	2.58E-13	4.30E-07	2.40E-11	3.39E-19	9.32E-15	2.60E-13	0	0	1.13E-30	8.33E-15	0.00024011	2.74E-12	4.51E-18
													5		
USP17L22	0.0102607	0.0204932	0.0204902	0.0205195	0.00319167	0.00054904	1.32E-05	0.00878032	0	0	0.00082035	0.00994586	0.00012005	4.55E-05	1.40E-09
						7					6		8		

USP17L24	0.00409066	0.00425583	0.00242619	9.13E-06	2.90E-05	0.00048041 7	6.48E-05	0.00299923	0	0	0.00163999	3.39E-05	0.00024011 5	4.93E-11	0.00171323
USP17L25	0.00409066	0.00425583	0.00242619	9.13E-06	2.90E-05	0.00048041 7	6.48E-05	0.00299923	0	0	0.00163999	3.39E-05	0.00024011 5	4.93E-11	0.00171323
USP17L26	0.00409066	0.00425583	0.00242619	9.13E-06	2.90E-05	0.00048041 7	6.48E-05	0.00299923	0	0	0.00163999	3.39E-05	0.00024011 5	4.93E-11	0.00171323
USP17L27	0.00409066	0.00425583	0.00242619	9.13E-06	2.90E-05	0.00048041 7	6.48E-05	0.00299923	0	0	0.00163999	3.39E-05	0.00024011 5	4.93E-11	0.00171323
USP17L28	0.00409066	0.00425583	0.00242619	9.13E-06	2.90E-05	0.00048041 7	6.48E-05	0.00299923	0	0	0.00163999	3.39E-05	0.00024011 5	4.93E-11	0.00171323
USP17L29	0.00409066	0.00425583	0.00242619	9.13E-06	2.90E-05	0.00048041 7	6.48E-05	0.00299923	0	0	0.00163999	3.39E-05	0.00024011 5	4.93E-11	0.00171323
USP17L3	1.24E-07	0.00811603	6.31E-05	0.0257232	9.88E-12	8.50E-06	0.00207811	0.0414022	2.46E-17	0.0151951	0.00546676	0.00921618	5.55E-18	0.0485949	0.173264
USP17L30	0.00409066	0.00425583	0.00242619	9.13E-06	2.90E-05	0.00048041 7	6.48E-05	0.00299923	0	0	0.00163999	3.39E-05	0.00024011 5	4.93E-11	0.00171323
USP17L4	0.0753437	0.245379	0.190711	0.0474914	0.277751	0.071075	0.12932	0.165027	1.12E-32	0.0151951	0.00546676	1.82E-20	5.55E-18	6.49E-16	2.21E-09
USP17L5	0.00409066	0.00425583	0.00242619	9.13E-06	2.90E-05	0.00048041 7	6.48E-05	0.00299923	0	0	0.00163999	3.39E-05	0.00024011 5	4.93E-11	0.00171323
USP17L6P	0.169675	0.128473	0.0801342	7.79E-31	0.42245	0.00608956	0.165738	0.0567783	0	0	1.78E-09	0.0612636	0	5.67E-18	1.46E-06
USP17L7	0.494188	0.381254	0.437238	0.179658	0.463143	0.0371111	0.0538322	0.400249	0.0353869	0.127639	0	0.0103951	0.0187467	0.0531507	0.333824
USP17L8	2.41E-14	4.41E-14	5.32E-10	0.00359425	4.40E-12	3.22E-18	0.0331015	1.14E-13	1.12E-32	2.05E-37	0	1.82E-20	0	2.01E-23	2.93E-06
USP17L9P	0.0815951	0.00025667 2	1.05E-05	0.00045527 5	2.38E-09	0.00054904 7	4.14E-05	0.00605062	0	0	1.11E-15	6.34E-07	2.08E-19	2.38E-21	2.85E-13
USP18	0.659605	0.30137	0.413958	3.58623	1.30724	4.73525	0.337604	0.525561	0.138504	0.328294	0.603393	0.162747	0.770436	0.261526	0.718624
USP19	6.01575	6.09657	6.3128	7.05388	11.5045	11.8258	6.51357	4.59021	5.91693	3.4852	4.2267	4.76484	5.25496	4.06496	4.76931
USP2	1.6673	2.07277	2.495	7.02522	4.87924	3.10587	5.77601	1.81553	31.0905	12.12	10.156	15.3383	23.8564	8.03578	4.15963

USP2-AS1	0.0400399	0.0868132	0.0828095	0.165049	0	0.136374	0.0457162	0.0355841	0.024382	0.125635	0.0678001	0.157573	0.322919	0.12556	0.143756
USP20	2.44006	3.06349	3.19161	3.06704	6.65439	4.32172	2.82031	1.97706	2.72765	2.15698	1.7138	2.77485	2.2661	2.51913	2.4321
USP21	2.44509	3.76713	4.24935	3.84795	5.53517	4.93052	3.84132	2.72887	3.12789	2.09347	2.99557	3.56686	2.55589	2.48151	2.54512
USP22	16.7011	16.5658	18.7715	24.8684	21.3835	44.1271	19.0536	14.1846	16.0151	16.6324	21.2008	13.0033	26.8257	19.5638	21.992
USP24	8.2164	6.2969	6.83973	6.73626	3.52769	6.63495	5.71435	6.0549	3.77304	5.08765	4.17449	4.69251	6.87564	5.49799	4.82146
USP25	5.05261	4.31206	4.16338	5.40804	2.11684	5.25903	2.90719	3.48106	4.16381	4.07597	4.34978	2.68009	4.68421	3.4217	3.63379
USP26	0.0248494	0	0	0	0	0.00705297	0.0283722	0	0	0	0	0	0	0	0
USP27X	0.668825	0.826282	0.688077	0.645061	0.399583	1.29232	0.411192	0.548673	0.532593	0.495057	0.445268	0.22701	0.343005	0.35852	0.123143
USP27X-AS1	0.141486	0.238595	0.217373	0.145805	0.156983	0.576551	0.10385	0.0987964	0.0615407	0.101474	0.365074	0.0506185	0.0586838	0.0845105	0.130623
USP28	1.753	1.67897	1.49608	3.04603	0.927549	2.43692	1.09572	1.43663	1.7142	1.24196	1.89225	1.10173	1.59885	1.46458	1.47622
USP29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USP3	4.34864	3.74336	4.05367	3.59948	1.79208	3.99465	3.95724	4.72877	5.04544	3.41952	4.58777	2.85565	3.95443	3.3157	3.16002
USP3-AS1	0.982023	0.807618	0.94616	0.641525	0.27407	0.2983	0.815813	1.51997	0.136328	0.360435	0.429824	0.623804	0.0614656	0.68476	0.876684
USP30	1.95823	2.07591	2.25816	1.49474	1.00598	2.50655	2.67661	1.8545	2.05982	1.10841	1.491	0.907629	1.17755	0.886747	0.891632
USP30-AS1	0.334362	0.387651	0.176186	0.292633	0.220547	0.120896	0.16211	0.297	0.144098	0.118801	0.21978	0.016932	0.045803	0.136044	0.033984
USP31	3.40504	4.67165	5.51567	3.79435	2.10023	3.25855	3.06032	3.20492	2.48449	2.25631	2.49339	1.85903	2.7301	3.159	2.21203
USP32	5.52691	5.37716	5.95254	7.47515	3.1254	7.14289	5.40332	4.77782	16.7312	9.13462	6.06494	7.39348	11.4483	7.20581	5.24226
USP32P1	3.36664	3.9394	6.12202	0.202525	0.192104	0.330435	0.97405	2.39381	6.86E-13	0.301687	0.628445	0.194429	0.0272946	2.05017	2.19581
USP32P2	0.262822	0.72562	0.460774	0.102122	1.49404	0.283011	0.473536	0.412918	0.212036	0.551393	0.254468	1.17159	0.148148	0.895577	0.746092
USP32P3	0.0882926	0.100096	0.249202	0.0267612	0.0161352	0.0132671	0.0592998	0.170781	0.0316266	0.032593	0.0469042	0.033446	0.0167547	0.0841478	0.111882
USP33	5.5043	5.18378	5.20335	6.35599	1.66709	5.75629	3.65651	5.28717	3.19336	5.12779	6.27018	2.782	5.58851	4.6414	4.77168
USP34	12.155	11.9437	13.0986	11.845	3.13456	10.2787	8.41451	11.6272	10.1313	10.8191	9.51986	8.76751	13.4708	10.4617	11.3184
USP35	0.919591	0.786916	0.780562	0.982216	2.54441	1.72917	1.21948	0.553351	1.55161	1.71925	0.778578	1.37082	1.44621	1.52947	1.41007
USP36	4.95615	5.45575	6.52521	4.49521	6.08361	7.50166	6.84587	5.04725	3.99864	2.41363	2.34297	4.51113	5.46986	4.72914	4.6422
USP37	1.51271	1.89639	2.08332	2.05774	0.72507	1.9971	1.37515	1.71824	1.27032	1.61291	2.04269	1.28237	1.72519	1.76193	1.35312
USP38	3.08793	2.4478	2.58149	5.00974	2.91565	2.97465	2.69413	2.65219	9.86144	4.97925	6.01921	4.33427	7.18409	3.47221	2.61911

USP39	5.60565	4.6079	4.34286	7.36393	5.58209	8.36892	5.43606	3.77502	4.87073	5.08192	7.54326	3.63183	6.99306	5.01131	3.49606
USP4	6.55619	7.89937	7.92669	8.30812	8.3027	9.70368	8.27051	6.17988	11.1057	6.50898	6.3664	6.42101	7.11737	6.34465	5.94345
USP40	3.79881	5.23091	5.532	5.28623	3.98084	5.07297	3.16599	3.26255	1.75125	1.94956	2.13489	2.33489	2.93213	3.4002	3.41417
USP42	2.09734	2.5481	2.8681	2.04026	1.98001	2.43631	2.42564	2.10898	3.09932	1.79274	1.98493	1.80472	2.62181	2.17106	2.01236
USP43	0.555789	0.471307	0.321851	2.7435	1.53673	1.17839	0.298253	0.316121	1.16425	4.22033	0.834464	1.65038	5.32517	2.02173	1.42077
USP44	0.158068	0.0918396	0.130765	0.062283	0.036108	0.122717	0.0424652	0.152873	0.0169861	0.0291753	0.073475	0.0232857	0.0659902	0.0461663	0.106826
USP45	1.14173	0.96386	1.04693	0.712835	0.274724	0.567236	0.664133	1.54908	0.258474	0.520412	0.596739	0.465415	0.35247	0.824723	1.03855
USP46	2.02354	1.90232	1.81712	1.64392	0.925492	1.4565	1.9405	1.99113	2.70188	1.74371	2.02397	1.37128	1.91852	1.3245	0.946342
USP46-AS1	1.47609	0.762005	0.828623	1.03221	0.736999	2.40153	0.632009	0.843319	0.706246	0.827076	1.42828	0.358348	0.680263	0.647485	0.908511
USP47	5.93764	5.78565	5.84309	6.30564	2.17277	6.30819	2.95754	5.35869	5.74159	6.88876	5.66957	4.5492	9.41275	5.91157	5.34853
USP48	5.31463	5.40285	5.69845	5.47199	3.1836	5.03082	3.49666	4.84879	3.58632	4.19264	4.41455	3.48249	4.5841	4.84119	4.79735
USP49	1.00391	1.02535	1.15007	0.619779	0.600051	0.837087	0.890044	0.949748	0.312704	0.357098	0.279405	0.493225	0.304456	0.596013	0.77402
USP5	10.7299	11.221	11.9256	16.2989	19.3383	20.398	13.6511	9.00068	18.9969	12.8116	10.1637	11.6226	15.9379	10.5601	7.89756
USP50	0.269208	0.108377	0.0864066	0.0528462	0	0.0727623	0.122526	0.173044	0.0845703	0.0435946	0.020246	0.0123359	0	0.0733357	0.0738064
USP51	0.431008	0.35202	0.321774	0.26	0.26127	0.617631	0.258058	0.308304	0.102423	0.250689	0.373817	0.0338486	0.128868	0.159333	0.437817
USP53	5.86384	3.44242	3.77686	3.75012	0.67592	2.90436	2.42404	4.09481	4.73963	4.93291	3.47417	2.85993	5.10103	3.87352	2.32327
USP54	3.65817	4.44638	5.36457	2.81301	2.45404	3.7603	4.43249	3.72252	4.98997	2.79611	1.80009	2.79534	1.95489	2.40976	2.47637
USP6	0.228788	0.0903691	0.0789645	0.032089	0.0561986	0.0924267	0.768326	0.0699399	0.0148742	0.0465602	0.0119275	0.0127038	0.00243492	0.0383874	0.0211191
USP6NL	3.48971	2.74545	3.035	3.50687	2.32397	3.09028	2.7914	3.14589	9.96037	5.30535	4.17784	4.84025	5.43377	3.08666	2.24111
USP7	12.7939	13.1971	13.8895	15.6347	6.9671	15.7101	11.1009	11.7842	20.3181	11.49	10.352	10.4773	19.5295	11.42	9.04607
USP8	6.36306	5.29329	5.00144	6.05938	2.27878	7.10676	3.05092	4.59489	7.81386	5.65082	5.27065	4.19573	6.54426	5.31943	5.46787
USP9X	8.78624	8.41856	8.75666	11.7002	4.35121	11.6351	7.81593	7.85154	11.4755	10.7444	8.98096	8.73293	13.6812	9.19524	9.44711
USP9Y	3.10956	3.13529	3.27992	2.47523	0.773408	2.1551	0.215813	3.02778	0.993796	2.18141	2.07652	1.52565	1.36974	2.14202	3.11508
USPL1	2.25187	1.78826	1.67768	1.50419	0.501616	1.55815	1.15528	1.59567	0.865233	1.54557	1.78384	1.06597	1.39456	1.43122	1.52114
UST	1.38616	2.54706	3.14369	1.1732	1.85845	1.59318	2.13631	1.56915	1.0848	1.03857	2.02889	0.610939	1.39422	0.931064	1.40787
UST-AS1	0.311391	0.385799	0.478409	0.0687638	0.0345499	0.0662864	0.419025	0.385458	0.0135443	0.0139581	0.0753262	0.0875321	0.00717529	0.0929981	0.255541

UTAT33	0.178109	0.092348	0.102196	0	2.13E-25	0	0.64104	0.0806964	0	3.32E-39	3.08E-34	0.0628272	0	0.101818	0.121518
UTF1	0	0	0	0	0.031071	0.017032	0	0	0	0.0251054	0.0677415	0	0	0.0104543	0
UTP11	7.35512	7.14619	6.50574	11.2916	5.38826	12.4308	5.04006	5.11811	9.2538	9.45136	12.0169	7.10337	10.0876	11.0103	8.49174
UTP14A	2.97072	2.40817	2.22314	7.21639	3.24343	4.73985	2.08813	2.02699	3.21826	3.65014	3.41884	3.06303	6.12932	3.98211	2.50735
UTP14C	2.72687	2.11602	2.31948	2.97062	1.8651	2.46894	1.55842	2.12008	1.82472	2.06904	2.39279	1.56438	2.85733	2.04884	3.13593
UTP15	1.95773	1.60421	1.61206	2.34986	0.416291	2.59524	1.07874	1.98612	1.72046	1.71602	2.59976	1.20905	3.27358	2.17221	1.32423
UTP18	5.2207	6.61701	7.2558	7.94986	6.90743	7.63555	5.39981	4.83623	9.39521	7.1538	9.38803	5.35282	9.28877	6.43299	4.18101
UTP20	3.16965	2.44919	2.71565	4.50257	1.25682	4.76356	2.45764	2.41972	1.42336	1.79569	2.48498	1.66514	3.44044	3.34004	2.49365
UTP23	2.12557	1.65553	1.73768	1.8997	0.525943	2.32244	1.02374	1.66614	1.13781	1.55032	2.80297	0.942154	2.26141	1.88322	1.76492
UTP25	1.89268	1.83041	1.88839	2.39451	1.37256	2.75178	1.79045	1.8299	1.78361	1.25279	1.79179	1.20596	1.97425	1.62348	1.99355
UTP3	4.61075	4.99172	4.5809	7.84632	6.84994	8.71703	2.38364	3.44282	10.2926	4.17558	4.66304	4.11391	9.6592	5.47889	3.59139
UTP4	6.8998	4.88275	4.93505	10.909	3.57259	14.5303	5.53333	4.77234	8.16554	5.88928	8.3685	5.40718	11.3545	8.382	5.42633
UTP6	5.34588	5.64284	5.76685	9.45899	3.9518	9.02754	4.2867	4.11352	6.61987	6.97688	6.90779	4.81949	9.69662	6.87661	4.52272
UTRN	19.4252	15.6231	17.0802	10.7804	12.4583	16.041	13.3555	13.5805	7.57074	7.56608	7.23178	8.31903	7.71153	8.68417	18.9911
UTS2	0	0.0147691	0	0	0	0	0.0349987	0	0	0.0384727	0.10381	0	0.435098	0.0640825	0
UTS2B	0.172996	0.125028	0.119262	0.0396173	0.0597162	0.0900191	0.0987607	0.145203	0.011705	0.0241253	0.0650971	0.0825223	0	0.0502308	0.0552099
UTS2R	0	0.00851197	0.0146149	0	0.0274421	0	0	0.0314009	0	0	0	0	0	0	0.0253713
UTY	4.22005	4.21161	4.08038	3.85027	2.28388	2.36655	0.405106	3.83881	2.97243	2.80685	2.91903	2.73875	1.44115	2.74643	2.86041
UVRAG	3.75862	2.83408	3.2947	2.36372	2.12939	3.55898	2.5626	2.55204	1.51131	1.91734	2.75619	1.68928	2.32388	1.97612	3.06243
UVRAG-DT	0.101653	0.0816301	0.252284	0.139675	0.157903	0	0.193441	0.0602273	0.0412674	0.0425284	0.0382513	0.0727356	0	0	0
UVSSA	4.13921	3.97707	3.66146	2.40859	5.47184	3.86223	4.26756	4.60031	1.34467	1.96165	1.09531	3.45756	2.05073	2.55301	2.98591
UXS1	2.63102	2.0386	2.55865	3.3743	1.22991	4.73337	2.29774	2.1843	2.36053	3.25043	4.1246	1.19799	3.68771	2.00443	2.32157
UXT	13.4406	9.30485	11.4146	16.0907	7.55701	20.6192	12.0839	8.97774	12.4031	14.3509	32.4417	8.47643	10.3662	10.817	8.01303
UXT-AS1	7.74E-33	0.0864148	6.27E-42	0.123402	1.53E-28	0.103827	0.137728	0.0534761	0.0737469	3.21E-30	0.0667651	3.99E-34	0.0384385	4.16E-33	4.17E-28
VAC14	4.41456	4.48671	4.40215	7.06149	9.24712	9.54282	6.3642	3.89029	4.01874	4.46806	6.87957	4.5786	6.56931	5.18545	5.12315
VAC14-AS1	0.384505	0.410577	0.361075	0.128511	0.225994	0.0884868	0.344093	0.424836	0.037969	0.0913015	0.0703878	0.208202	0.0938684	0.336742	0.402955

VAMP1	2.27986	3.21576	2.78067	1.03632	2.5357	1.4369	1.95821	1.86088	0.125829	0.596499	0.754221	1.31588	0.191091	1.41476	3.06644
VAMP2	13.3601	16.7516	18.5388	11.1875	17.3773	20.0484	22.4832	18.1279	18.536	10.6738	14.7487	11.5816	15.1569	7.47803	10.4795
VAMP3	16.6882	14.0635	15.5248	25.472	5.73882	27.5884	14.2126	16.3328	31.279	31.1678	42.0735	21.3358	39.9332	19.0128	14.8923
VAMP4	1.3199	1.49036	1.64157	1.3972	0.453287	1.72786	1.03031	1.70366	1.47626	2.03977	2.28567	1.4359	2.02181	1.46883	1.8375
VAMP5	6.19468	3.43743	3.2821	7.56731	8.43318	18.9948	4.64903	3.30938	1.73776	8.03704	22.1184	3.13758	6.15234	5.31114	8.54649
VAMP7	2.3587	1.71516	1.75328	2.81189	0.65571	3.23862	1.53038	2.35146	3.47682	3.44107	4.66702	1.9337	3.8102	2.25625	2.18118
VAMP8	25.4096	28.0204	25.9551	74.7144	46.2336	50.7887	27.071	20.4351	73.1882	56.4468	67.5697	40.0756	47.7009	26.3422	10.9217
VANGL1	2.58374	2.41225	2.50647	3.28546	1.40205	3.96867	2.29918	1.89046	2.0314	3.2992	3.40534	2.83453	5.71782	3.39048	2.2059
VANGL2	3.64097	9.81934	8.68562	6.09608	10.7606	6.54658	5.72717	5.22645	6.0142	4.40154	4.86194	5.72713	4.46391	3.82168	2.03691
VAPA	8.07391	6.83633	6.69585	13.2004	3.15597	10.3488	5.63307	8.21355	12.0053	10.2084	15.1587	6.49214	13.1806	8.15285	5.39368
VAPB	3.84846	3.85034	3.88075	5.33287	2.94368	5.41925	3.77154	3.66633	3.25248	3.6373	3.7915	2.98104	6.7416	3.76977	3.52965
VARS	0.984256	1.09257	1.13289	2.38075	2.45406	4.33107	1.58244	0.902543	1.84996	1.45469	1.20926	1.73639	3.05177	1.80545	1.37481
VARS2	0.430756	0.39966	0.360624	0.537582	0.888941	0.86902	0.483567	0.335082	0.43529	0.31894	0.278702	0.432392	0.515852	0.448645	0.375327
VASH1	2.11497	1.41438	1.72084	2.34166	5.60462	3.6418	1.76982	1.28175	0.721238	2.03248	2.48487	1.22858	3.60779	3.66251	6.21314
VASH1-AS1	1.40563	1.40451	1.30903	1.31929	1.92912	1.86711	1.07708	0.895203	0.928294	0.741806	0.74385	0.975984	0.648482	1.16907	3.2959
VASH2	0.319286	0.136468	0.191711	0.137982	0.12799	0.447266	0.158756	0.201374	0.0313592	0.187441	0.540651	0.0736959	0.0764199	0.10766	0.5177
VASN	6.21877	5.8694	8.3651	7.77704	10.9154	18.5613	12.4963	4.71311	14.1631	6.01435	14.1708	7.7132	9.62105	5.61672	7.94782
VASP	9.63115	9.67041	10.6346	28.7236	18.7752	34.2575	12.4735	6.99658	13.2928	27.4614	43.6606	12.0544	38.6857	21.1699	20.4643
VAT1	34.9076	36.5935	38.9506	34.9183	89.0647	54.7953	63.5402	27.2271	164.76	40.1264	60.5682	36.6614	37.7247	22.7527	27.5724
VAT1L	0.0183142	0.00882406	0.0202011	0.0943666	0.037931	0.550999	0.0139404	0.0162761	0.00743488	0.145579	0.330791	0.0087362	0.0275712	0.252057	0.0789045
VAV1	0.559468	0.394848	0.808324	2.00574	1.62793	2.50938	0.647779	0.630264	0.431853	0.860429	1.3432	0.202976	1.18458	0.498319	1.67483
VAV2	1.76041	1.57687	1.36162	6.42572	5.2319	6.13407	2.21154	1.06421	0.900593	3.62861	2.0573	2.57389	7.12866	5.6028	4.80283
VAV3	7.77458	11.1144	9.81864	11.0404	4.67553	9.91973	6.60731	7.99969	6.15602	7.46012	9.42068	9.0913	3.15386	3.49922	2.29452
VAV3-AS1	0.112163	0.036028	0.0618597	0	0	0.0955057	0	0.0332272	0	0	0.0422062	0	0	0	0
VAX1	0	0.00770606	0.0033078	0.00824105	0.00621098	0.00340463	0.00913061	0.00355349	0	0	0.00902751	0.002861	0.023218	0	0
VAX2	0.323114	0.126491	0.217184	0.0832446	0.439169	0.412691	0.253633	0.19742	0.0245948	0.101385	0.182378	0.0288996	0	0.116101	0.29002

VBPI	3.35143	2.30214	2.51028	7.30421	1.0025	4.48301	1.83572	3.36085	3.11641	7.20484	10.9666	2.92465	7.48783	4.3672	2.56915
VCAM1	2.46387	0.748483	1.10582	4.19956	1.35805	6.68143	0.915723	1.38059	0.167195	3.69094	7.34099	0.19646	3.80403	0.96674	10.7502
VCAN	11.4224	4.31993	5.6066	8.33846	9.29993	31.5972	9.50881	8.59112	0.992034	25.5342	46.9383	2.4807	7.3156	9.24347	70.7183
VCAN-AS1	0	0	0	0	0	0.139429	0.186962	0.0970171	0	0.205521	0.123234	0.0390554	0	0.0570546	0.31355
VCL	15.0182	17.2976	22.0524	29.5506	16.4607	28.6637	19.9882	10.4749	30.6505	26.6585	25.7157	20.4706	44.3837	30.4839	34.6794
VCP	25.1033	26.4098	26.7333	55.2018	44.7092	55.9619	29.5426	19.5816	63.9381	54.4679	43.1437	39.3173	87.7547	38.2611	29.4409
VCPPI1	3.81283	2.91041	3.29474	3.65211	1.91705	4.33841	2.60491	3.37092	2.90268	3.67705	3.16025	2.23196	4.13656	3.07123	3.30494
VCPKMT	1.76235	2.01078	2.06541	1.61436	1.08361	1.39641	1.28557	1.81639	1.81843	1.68967	2.3625	1.82146	1.73717	1.68865	1.28305
VCX	0.0277613	0.0485522	0.113166	0.049327	0.0743519	0.114401	0.0273257	0	0	0	0	3.93E-06	0	0	0
VCX2	0.04082	0	0.046983	0	1.07E-13	3.15E-10	5.58E-05	0	0	0	0	0.0203126	0	1.08E-07	0.0815616
VCX3A	8.19E-19	7.45E-05	8.37E-34	0	4.95E-18	0.0274536	0.0367151	0.020665	0	0	1.20E-15	9.43E-07	0	6.26E-16	0
VCX3B	0.145787	0.0316798	0.0535134	0	0.06119	3.84E-24	0.0588246	5.06E-06	0	0	2.93E-19	2.31E-10	0	0.0192498	9.28E-10
VCY	6.69E-06	0.00185736	0	0	0	0	7.44E-17	0	0	0	0.00978798	0	0	0.00512078	0
VCY1B	9.65E-06	0.00267725	0	0	0	0	1.07E-16	0	0	0	0.0141086	0	0	0.00738122	0
VDAC1	19.0536	15.619	15.0703	43.7292	10.812	44.1413	17.5569	16.6487	32.8643	36.6811	47.2264	27.3177	57.0989	32.4822	17.4117
VDAC2	22.5827	18.7147	19.0907	46.8858	12.5686	31.8956	16.1328	17.9335	41.1818	46.2563	48.5961	32.0827	56.8272	34.0315	13.8748
VDAC3	13.2546	11.397	11.7112	19.2503	7.98348	21.0494	9.57438	9.45571	15.3739	21.0496	32.047	11.5595	21.4577	16.0228	11.0932
VDR	4.30962	4.92341	4.92903	12.3678	7.93302	13.5305	4.2966	5.10808	6.43811	8.434	5.50732	5.73782	17.7504	7.51589	4.20762
VEGFA	4.23289	5.49863	5.37676	15.9459	8.0405	19.2315	4.805	5.53661	9.28082	16.2841	15.1166	16.4807	18.4254	24.9823	6.53639
VEGFB	8.61614	7.87652	8.75074	6.7519	14.1406	15.5792	10.4525	5.9481	11.0556	10.8624	26.5739	8.42194	10.018	6.71455	9.22516
VEGFC	0.985989	0.619185	0.568226	1.40426	1.66925	3.84876	0.98663	0.502129	0.984946	2.12742	3.43923	0.848187	4.14573	2.60556	3.65934
VEGFD	1.01261	0.191019	0.219891	0.0377878	0.0804689	0.451584	0.218025	0.27426	7.42E-10	1.33E-07	2.00E-07	0.00968329	0	1.24E-23	0.208313
VENTX	0.124735	0.161805	0.269879	0.355964	0.611076	1.47877	0.394388	0.21318	0	0.240853	0.389935	0.0892509	0.241434	0.3059	1.51575
VENTXP1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VENTXP7	0	0.0348459	0.0199433	0	0.0748941	0.0410542	0.05505	0	0	0	0.0272142	0	0	0.0629978	0
VEPH1	0.18155	0.216497	0.240305	0.0841915	0.0705024	0.139129	0.207288	0.137144	0.0939706	0.358885	0.876149	0.0357235	0.105421	0.0474429	0.202064

VEZF1	4.8173	3.76278	3.9379	4.75817	1.59872	6.71473	4.07483	4.13302	1.90921	3.74376	6.55153	1.87859	5.02947	3.99455	5.39915
VEZT	3.77426	3.96214	3.89646	4.20496	1.42111	4.20008	2.24403	3.77779	3.9315	5.46622	6.01994	3.55681	6.01041	4.93423	3.47201
VGF	0.0906504	0.170339	0.149985	0.112101	0.267542	0.632939	0.279455	0.120844	0.121442	0.0341327	0.0204666	0.246479	0.040941	0.118445	0.0130185
VGLL1	0.0190478	0.018355	0	0.0588879	0	0.0324379	0.0434963	0.0507842	0	0.167348	0.0645077	0	0.147474	0.099552	0.0820651
VGLL2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VGLL3	2.52658	1.2212	1.54778	1.12265	0.742084	3.69504	2.73188	1.81907	0.35299	1.88162	3.64877	0.296062	1.47667	1.28812	5.97668
VGLL4	6.48538	6.09646	6.22227	7.94023	11.0571	15.8022	6.26699	4.92792	6.99668	7.21484	12.943	5.7698	9.09041	7.98541	11.753
VHL	5.10021	4.31544	4.51717	6.66149	7.54197	7.01307	3.79443	4.42596	3.56194	4.30975	7.55199	2.65969	5.8097	3.99834	4.84166
VHLL	0.0684706	0.0109967	0	0	0	0.0583018	0	0	0	0	0	0.0163308	0.0589025	0.0357857	0
VIL1	0.0422627	0.0244354	0.0489478	0.00871059	0	0.0143945	0.00965083	0.0375596	0.0102942	0	0	0.00604802	0	0.013253	0
VILL	1.02138	1.59238	1.57314	1.10391	2.69586	2.50302	1.13774	0.981519	0.677588	1.28194	1.11552	1.15863	0.846509	1.35408	1.24025
VIM	294.289	109.913	146.045	140.571	217.756	320.936	222.363	132.521	41.7902	304.669	807.348	58.6824	246.219	226.533	444.077
VIM-AS1	0.324119	0.145034	0.189513	0.31504	0.183374	0.380056	0.127978	0.35768	0.0202921	0.461308	0.892756	0.0667013	0.463779	0.513735	0.225474
VIP	0.0583316	0.0562101	0.036192	0.0450843	0.0226523	0	0	0.0518402	0	0	0.0658491	0.09391	0.0282264	0.144811	0.0837715
VIPAS39	2.69703	2.70412	2.54071	3.56658	3.49926	4.16156	2.83908	2.20985	2.62016	3.27744	4.24133	2.50985	2.76608	2.30179	1.73514
VIPR1	4.74677	6.31842	6.21705	6.76059	6.4237	7.15361	5.64716	4.31008	3.91538	2.94003	4.07898	4.15832	5.75289	1.72691	1.13451
VIPR1-AS1	0	0	0	0	0	0	0	0	0	0	0	0.0914888	0	0	0
VIPR2	0.085063	0.0287883	0.0539564	0.0155041	0.183295	0.106156	0.132551	0.0450081	0.00606403	0.00625623	0.0112417	0.00714253	0.00963755	0	0.0500547
VIRMA	5.27562	4.63739	4.68991	5.9749	2.20693	5.63957	3.89639	4.22122	4.60568	4.6241	4.63471	3.08966	6.12238	4.45892	4.26083
VIT	3.74748	1.13578	1.73899	0.186866	0.177346	1.90999	2.53811	1.79056	0.0736131	0.244446	0.333583	0.100914	0.116993	0.0842408	0.192898
VKORC1	10.8191	10.4061	13.7115	40.6567	22.6815	26.1653	12.7476	10.0127	9.51082	28.3579	63.8898	14.8132	30.546	21.991	18.9839
VKORC1L1	3.46368	3.83751	4.06766	4.11185	1.86649	4.30044	3.22298	3.1867	5.32869	3.47108	4.21142	2.92048	4.33171	3.35129	3.50606
VLDLR	1.81704	1.3254	1.25265	4.43232	1.82711	6.49039	1.30792	1.18967	2.08992	4.91318	2.99754	3.60179	4.40883	3.46568	2.13045
VLDLR-AS1	0.183259	0.040828	0.0866315	0.189951	0.0813329	0.183796	0.0896742	0	0.0323642	0.232963	0.236431	0.170262	0.305123	0.193712	0.112793
VMA21	4.1265	3.32659	3.75992	6.03701	1.00954	5.63615	3.15623	5.21812	3.0956	3.87738	6.15076	3.30615	6.24383	3.99704	3.69505
VMAC	1.80155	2.17672	1.91456	1.38528	3.09981	1.8054	2.32594	1.63802	0.624472	0.678341	1.20459	0.942006	0.572236	0.898114	1.69167

VMO1	0.143924	0.41607	0.452445	1.27554	1.16253	3.2108	0.460119	0.179071	0.315511	1.44512	2.85952	0.432524	1.95005	0.676991	1.94292
VMP1	7.31439	5.6292	5.66286	23.5515	4.02448	13.8495	5.24993	8.40544	13.3454	28.0339	31.7344	15.1856	19.8722	26.5853	20.8443
VN1R1	0.339904	0.612361	0.562386	0.121837	0.11478	0.037751	0.185609	0.538488	0.071994	0.0741939	0.266928	0.232636	0.0381399	0.254887	0.488146
VN1R10P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VN1R2	0.123571	0.161604	0.204453	0.0363838	0.0274212	0.0450938	0.141928	0.156885	0.0859974	0.0221563	0.079712	0.0631559	0.0569481	0.0461311	0.202815
VN1R3	0	0	0	0	0	0.0310575	0	0.0162077	0	0	0	0	0	0.00953158	0
VN1R4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VN1R5	0.129291	0.083059	0.0713056	0	0	0.0733929	0.14762	0.0766019	0	0	0	0	0	0.0563108	0.0618926
VNN1	0.180617	0.087024	0.0846708	1.75584	0.0374081	0.261448	0.103111	0.112362	0.0146647	0.385378	0.720426	0.0947733	0.345715	0.0597856	0.16428
VNN2	0.132596	0.00491436	0.0506273	4.09932	0.0792181	0.677421	0.104811	0.0453231	0	2.89317	6.24069	0.00729814	1.52674	0.20257	0.395496
VNN3	0.367558	0.0569235	0	2.32679	0.367036	0.0447102	0.0149881	0.139995	1.45485	0.609606	0.755761	0.835957	0.406537	0.157798	0.339339
VOPP1	5.80606	2.64081	3.48712	6.61158	5.13173	11.3658	4.52773	3.50877	1.09603	5.09378	10.0544	1.31695	8.0615	4.93413	9.6724
VPREB1	0.0356047	0.0171549	0.0294547	0	0	0	0	0.063285	0	0	0	0	0	0	0
VPREB3	0.118682	0.0762439	0.0981824	0	0.122903	0.235798	0.135508	0.105475	0	0	0.133978	0.0283068	0	0	0
VPS11	4.46575	4.3033	4.84298	4.9873	4.27202	8.12224	5.87628	3.85013	3.22749	4.00475	5.38036	3.12848	5.08635	3.27246	3.73873
VPS13A	5.34316	5.59124	5.12421	4.44799	2.04118	3.26217	3.86242	5.85593	5.74106	4.52706	3.13174	6.92177	3.74153	4.1676	3.00301
VPS13A-AS1	0.163694	0.214118	0	0	1.37141	0	0.297469	3.74E-43	0.226964	0.462813	0.0716494	0.0927923	0	0.0614689	0
VPS13B	7.27658	5.91722	6.14153	4.73059	2.5008	3.86341	4.87873	5.91632	3.07924	4.43789	4.00573	4.31908	3.57752	5.01812	6.50491
VPS13C	6.81119	5.56209	6.44226	5.30096	1.9638	6.54108	4.13069	6.07462	1.74787	5.03945	5.46833	2.96232	3.86128	4.12753	8.35739
VPS13D	17.7658	21.961	22.3499	13.3161	14.8992	14.9944	20.89	16.9219	16.1913	11.2414	5.81497	15.1956	11.512	9.69961	9.1982
VPS16	3.76056	3.57684	3.48479	7.32974	7.53803	7.86711	4.3513	2.37617	4.3379	5.33144	4.53511	4.44011	7.15226	4.99822	5.95731
VPS18	3.67199	2.67387	2.81162	4.51887	6.1192	7.66991	3.6227	2.0594	2.80047	3.42299	3.09885	2.32981	5.8577	3.17373	3.4047
VPS25	9.55543	8.47937	7.1405	17.2704	9.55817	22.8711	11.7973	7.31625	16.5738	14.7607	37.0548	10.113	16.0293	12.5895	8.11305
VPS26A	6.17036	5.74922	5.83765	7.81866	1.52467	7.38638	3.83458	5.76194	10.5713	8.51038	8.5587	6.33229	12.4161	5.85369	4.51837
VPS26B	8.42355	9.43519	10.8582	8.80856	9.77979	13.0458	10.7297	6.85771	6.59503	5.80782	6.82025	4.83336	7.76805	5.4302	5.31817
VPS26C	4.60809	3.96226	4.33671	5.81921	2.60801	7.46163	3.97876	3.72494	4.68535	5.76848	8.195	3.5046	7.90637	4.63996	3.98976

VPS28	15.8437	15.0539	15.533	27.0237	29.4607	29.5136	19.8	11.4557	29.0338	21.4477	30.9361	21.7221	26.025	15.7782	14.3913
VPS29	10.9983	8.63717	8.38391	16.0082	2.76135	11.5576	6.75302	7.92881	20.9824	22.0615	33.7585	10.4967	17.4295	12.0262	7.8975
VPS33A	1.62415	1.48738	1.51603	2.17625	1.44163	3.15094	1.54458	1.20924	2.24623	1.63867	2.29959	1.49978	2.65145	1.51272	1.23683
VPS33B	2.02761	2.48238	2.63294	2.60333	3.20121	3.90583	2.66611	2.05307	3.01591	2.61787	2.27016	2.17027	3.43135	2.18458	1.49176
VPS33B-DT	0.0714292	0.0137663	0.0354547	0.014722	0.0221908	0.0364926	0.0489333	0.0126961	0.0173985	0	0.0322539	0.0306657	0	0.0223992	0
VPS35	9.58604	8.84356	8.33368	15.3685	4.72541	13.8334	7.1323	9.18382	11.6917	13.8968	14.911	8.36115	14.8089	9.42789	6.85004
VPS35L	4.9567	4.61611	4.14474	7.96821	5.52069	7.52015	5.10973	3.92443	6.54334	7.24312	7.91689	5.16263	7.42383	5.26199	6.56359
VPS36	6.48308	9.34071	9.35475	7.36857	5.27185	5.17449	5.76833	8.63598	8.50805	7.80935	9.52347	6.74564	5.75506	6.10712	4.86707
VPS37A	2.30683	1.87637	2.1202	2.06528	1.53087	2.24213	1.83393	2.23442	2.69274	2.30583	3.35839	1.48787	2.96213	2.08011	1.86106
VPS37B	6.15408	5.05816	7.26403	12.9442	8.74863	13.1612	7.54559	5.61139	10.7554	12.5634	12.3548	8.43937	28.12	13.2352	7.6411
VPS37C	4.89168	6.61916	7.5743	6.83948	10.4696	11.1633	8.3532	5.77605	6.82654	4.45631	4.76511	4.57661	9.45716	4.74477	5.14842
VPS37D	0.331645	0.416848	0.584506	0.237753	0.649549	0.847174	0.378661	0.320368	0.0878057	0.108587	0.911548	0.0309523	0.148853	0.188405	0.20708
VPS39	9.04023	9.26358	9.32404	8.50133	10.2764	12.4157	9.82451	7.2599	9.14721	5.7238	6.20662	5.8519	6.45304	6.36319	7.35185
VPS41	5.10251	4.82578	4.8862	5.17054	3.73155	6.48268	3.71471	4.78684	4.75133	4.6235	5.46647	3.39381	4.80231	3.97171	4.82175
VPS45	4.68096	4.16845	4.37347	5.3864	2.55536	5.1446	2.78327	3.42241	4.93589	3.82912	5.37707	3.23699	4.4144	3.31015	3.68338
VPS4A	13.4115	12.6624	14.0864	17.5693	20.9814	28.6353	14.4749	10.3122	16.0099	13.7225	13.8432	11.6738	22.3977	14.2134	11.6236
VPS4B	7.56363	9.04136	9.71447	15.9209	7.41757	13.5515	6.63338	8.53026	16.596	17.6792	14.3467	12.3828	28.2634	12.3068	7.53672
VPS50	1.46965	1.78167	1.67336	1.88093	0.441847	1.51041	1.21339	1.62912	2.01601	2.34537	3.05053	1.37101	1.94231	1.44949	1.1858
VPS51	14.3386	17.135	18.7507	14.8975	34.5565	19.1349	17.8071	9.87379	20.3628	10.2295	11.2928	11.4179	11.1825	10.2066	7.3457
VPS52	0.920149	1.16374	1.12776	1.35136	1.5786	1.33134	1.20414	0.905292	1.54806	0.887464	0.728785	1.05809	1.14433	0.794975	0.838852
VPS53	3.3185	3.82489	4.01281	3.66436	3.99639	4.47373	4.27664	3.17212	4.66284	4.00339	2.05866	4.7841	4.43745	3.23314	2.2904
VPS54	4.53126	4.14869	3.99307	4.29937	1.25111	3.69056	2.69268	3.83135	5.13749	4.31994	4.84706	2.61618	5.54423	3.98242	3.57828
VPS72	4.42442	5.33294	5.45969	9.14944	7.07949	12.8139	5.8457	3.84	9.55145	8.72894	13.2299	6.76566	12.6692	7.46311	4.46268
VPS8	3.70202	3.61244	3.75834	4.12618	1.91498	2.95329	2.70027	2.9291	4.36859	4.38479	3.58674	3.29699	3.48999	3.10514	3.18995
VPS9D1	2.2291	2.35915	2.20388	4.13862	5.80192	6.08925	2.13929	1.60581	2.87685	2.65887	2.0228	3.73295	2.99343	2.80287	3.12312
VPS9D1-AS1	0.636619	1.20472	1.34944	2.42122	2.89832	2.9626	1.12209	1.24806	0.424715	0.420293	0.822008	1.65597	1.42161	1.86285	0.923041

VRK1	3.2615	2.26549	2.29342	4.94357	0.992137	3.40198	1.70678	2.22222	1.72126	3.15542	3.98864	1.52662	5.3046	3.20323	1.13195
VRK2	2.82542	2.27316	2.26161	4.51862	0.758928	3.62001	1.67818	2.3822	2.96949	4.89286	5.13975	2.88845	8.15229	3.4058	3.33679
VRK3	1.91664	2.68841	2.3191	4.13492	3.645	4.11812	2.87351	1.67948	3.99224	3.19246	3.22526	3.12093	4.29924	3.2907	2.22519
VRTN	0	0	0	0	0	0.0173062	0.00773536	0	0	0	0	0	0	0	0
VSIG1	0.0650025	0.0965138	0.136078	0.228473	0.0555457	0.304562	0.0489938	0.0699146	0.0958102	0.323277	0.242203	0.143283	0.170728	0.340293	0.0821665
VSIG10	1.98448	1.10325	1.39679	0.839002	1.32214	2.15061	2.13906	1.14698	1.23942	1.80563	0.966068	0.433598	1.96384	0.918712	0.936703
VSIG10L	4.37824	4.62212	4.60035	9.87304	16.1815	4.83143	10.1272	3.8407	54.9233	16.5881	16.6028	18.8415	21.2755	8.03851	2.70119
VSIG2	0.615675	0.228186	0.339553	0.42298	0.318785	0.698985	0.39654	0.477012	0.134584	0.198137	0.0891051	0.124253	0.203708	0.387784	0.430758
VSIG4	3.87477	0.518873	0.864695	9.8249	2.47642	12.0735	4.25532	2.5991	0.0257168	2.35874	6.0785	0.181308	0.885553	0.513179	2.00146
VSIG8	0.664063	1.2293	1.53851	0.585116	0.817603	0.697503	2.98293	0.811258	3.31165	1.13887	0.123908	0.470394	1.9807	0.191308	0.420482
VSIR	8.16528	6.63948	6.55835	8.54947	12.0358	15.7343	10.7014	3.7619	6.73196	7.4306	11.834	7.76453	12.6449	4.60965	6.70576
VSNL1	4.2477	3.71504	2.31084	17.0456	3.62181	10.2904	1.56831	2.23628	9.03908	12.6184	16.9784	9.62184	19.7129	11.806	3.31535
VSTM1	0	0	0	0.140646	0	0.0166015	0	0	0	0	0.0660294	0	0.0754766	0	0.0280003
VSTM2A	0.00418803	0	0	0	0	0.00356605	0.00956351	0	0	0	0	0	0	0	0
VSTM2A-OT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VSTM2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VSTM2L	0.0472066	0.176273	0.331948	0.0972956	0.293313	0.150734	0.175172	0.115372	0.0287462	0.207372	0.119903	0.0759996	0.0456862	0.0246722	0.0847434
VSTM4	1.97138	1.78319	2.39332	0.915827	1.60958	2.51381	2.10454	2.18789	0.229871	1.82802	3.15932	0.473028	1.66748	2.68721	6.90687
VSTM5	0.383799	0.09246	0	0.0791031	0.0596172	0.13072	0.0876417	0.0682176	0	0.144512	0.129978	0	0	0	0
VSX1	0	0	0.0102547	0	0	0.0211098	0.0212298	0	0	0	0	0	0	0	0
VSX2	0.0309089	0.0260617	0.0191775	0.0159263	0	0.00657963	0.0441135	0.0480712	0	0	0	0	0	0	0.0332918
VTA1	3.63529	3.55624	3.8177	6.85988	0.846493	4.55206	3.25278	4.12576	6.11601	5.86131	8.77605	3.59321	7.53929	4.29023	3.1998
VTCN1	1.22508	0.336753	0.493744	0.0728355	0.25617	0.896031	0.636615	0.446667	0.459081	0.344975	0.00886516	0.539433	0.395208	0.894752	0.225561
VTI1A	3.14193	2.7061	2.68712	2.82282	2.1866	3.59417	2.87979	2.8556	2.37893	2.95195	2.82088	2.49766	3.91005	2.26253	2.48233
VTI1B	10.3471	9.41951	10.1725	17.4736	13.2759	18.4886	8.31419	7.56132	13.4895	14.01	21.3686	9.15149	16.8283	10.629	8.52879
VTN	0.345007	0.24602	0.159832	0.156437	0.235802	0.669793	0.204837	0.3802	0.0504215	0.0519623	0.186945	0.0987446	0.0445193	0.129827	0.416198

VTRNA1-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VTRNA1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VTRNA1-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VTRNA2-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VWA1	2.67246	2.26414	2.29302	8.9021	12.2299	10.7307	2.25729	1.68196	4.27713	9.03402	11.5908	3.90264	12.8325	7.26417	7.68316
VWA2	0.847759	1.80709	1.8128	1.14665	2.05172	0.837868	1.24882	1.61111	0.825057	0.365758	0.363153	0.682418	0.268601	0.397581	0.402206
VWA3A	0.120641	0.225242	0.0665354	0.0362613	0.733975	0.089884	0.0918297	0.0893467	0.287733	0.0378544	0.0907928	0.0467578	0.00648644	0.0236447	0.00721902
VWA3B	0	0.0020596	0.00353631	0.00881034	0	0.00363982	0.014642	0	0.0104121	0.0107303	0.00965113	0.00611728	0	0.00446826	0.0122779
VWA5A	4.86714	6.10596	7.22685	9.01997	5.45972	13.701	6.09787	4.97456	4.19725	4.79818	5.62319	4.09497	4.36981	3.25055	3.18761
VWA5B1	0.0206865	0.00996708	0.0427834	0	0.0241	0	0.0177144	0.00919223	0	0	0	0	0	0	0
VWA5B2	0.0556056	0.0589416	0.050601	0.0114606	0.0950122	0	0.0634887	0.0247088	0.00677214	0.0279163	0.0188315	0.0119362	0	0.0290619	0.135756
VWA7	0.0264734	0.0529345	0.0678921	0.0272816	0.0637396	0.0450835	0.0710322	0.0199983	0.0128967	0.0332268	0.0448278	0.0350435	0.0469714	0.0249051	0.0646326
VWA8	4.33581	3.05312	2.96712	3.45165	1.82801	2.72971	2.61603	3.28183	1.22794	1.90016	2.13544	1.8449	2.58598	2.76366	2.79286
VWA8-AS1	0.0333955	0.0268174	0.0184181	0.114717	0	0.0663502	0.0254199	0.0692512	0.0271146	0.0139716	0.0125664	0.00796511	0	0.00581797	0
VWC2	0.313555	0.393761	0.383574	0.051563	0.264256	0.0653269	0.331347	0.388348	0.158438	0.0502397	0.0941396	0.0501224	0.00860869	0.00697352	0.0335334
VWC2L	0.0169339	0.0543935	0.0560358	0.0290849	0.0263043	0.0192254	0.0451141	0.010033	0	0.00708461	0	0.0282723	0	0.020651	0.056745
VWC2L-IT1	0	0	0	0.0496866	0	0	0	0	0	0	0	0	0	0	0
VWCE	0.608683	0.163981	0.20575	0.148385	0.447331	1.2985	0.239131	0.395531	0.0557973	0.21358	0.443308	0.0468311	0.0633418	0.259973	0.413574
VWDE	0.121029	0.018223	0.0219021	0.00779526	0.041125	0.0933934	0.0475019	0.0907543	0	0	0.0128088	0.00270624	0	0.00197672	0.00543166
VWF	27.2804	9.45499	10.2833	19.6642	43.2748	54.7612	19.078	9.90681	5.58419	14.553	23.0927	5.62288	14.1833	17.4221	26.5913
VXN	0.133582	0.125505	0.110508	0.013766	0.0414997	0.0284358	0.0762597	0.0178075	0	0.0419147	0.052779	0.0191163	0.0215466	0.00698157	0.0479601
WAC	9.39263	8.43335	8.40296	9.56698	2.66088	9.44615	4.90514	7.50124	15.7301	11.6177	11.0063	6.71494	14.3486	8.95497	7.38023
WAC-AS1	4.80425	4.34121	4.26288	6.60566	2.79515	6.66031	3.44062	3.79904	5.52074	5.02486	6.42935	3.37904	7.63809	5.00832	3.87015
WAPL	7.30798	8.33163	8.99573	7.55362	3.74779	6.94498	6.12175	7.45422	10.4927	5.98732	6.30555	4.60892	8.71671	6.31657	5.77502
WARS	7.11129	4.47834	4.62515	12.3587	4.33618	30.475	6.6149	5.93188	4.88122	7.01703	9.69143	4.10642	16.7934	7.77567	12.6092
WARS2	2.52582	1.71829	1.93581	2.71086	1.00206	2.64989	1.64085	2.18898	1.36206	1.30122	1.96455	1.04997	2.2211	1.68025	1.49286

WARS2-IT1	0.576517	0.416662	0.238468	0.297059	0.0639665	0	0.42316	0.475763	0.200609	0.10337	0	0.235722	0.053138	0.430447	0.295697
WAS	0.8979	0.56058	0.836965	3.8837	2.49483	5.81489	1.14071	1.37117	0.215628	2.07931	5.7819	0.479591	3.05979	1.20956	3.94114
WASF1	0.747478	0.754922	0.755121	2.02203	0.826161	1.95836	0.796003	0.80482	0.71777	1.05543	1.57403	0.78169	1.26595	1.47626	1.25927
WASF2	25.156	26.2605	27.8217	37.3924	28.6077	51.0618	35.0757	24.7091	35.8026	32.8353	32.8816	25.1396	54.079	25.4242	22.4106
WASF3	2.11022	1.29545	1.28249	1.54991	1.02794	3.25084	1.85987	1.25026	1.00884	1.39397	2.16277	0.917213	1.56155	1.08838	1.29596
WASH2P	3.62742	4.69494	5.83091	3.365	6.75239	5.51943	4.74017	3.14986	4.88001	3.24494	2.47758	3.26182	3.18978	3.304	2.73697
WASH3P	3.89863	6.54389	6.82438	3.12235	10.2111	4.01015	5.07945	3.52555	3.88547	2.5771	1.89617	4.44027	3.09239	3.558	2.49343
WASH5P	14.5835	18.5837	19.5277	6.96957	18.107	13.6878	24.1146	16.9001	3.62901	4.79899	1.31896	13.5075	2.33097	12.6728	14.1477
WASH7P	11.3464	11.9105	11.4975	6.35344	24.4644	14.6138	12.2918	8.60551	6.69302	5.58865	4.28288	9.5235	5.62785	9.73356	8.00031
WASH8P	8.18072	6.12526	6.57098	3.99058	9.81543	6.4205	6.17406	5.89029	2.91541	4.43149	2.55668	2.49058	2.29381	4.46035	3.27753
WASHC1	2.66215	2.19936	2.60298	5.44147	8.16625	7.37292	3.06639	2.96666	3.61354	2.58379	2.31901	3.90926	3.56441	3.92851	1.94415
WASHC2A	7.1515	6.31402	6.56277	7.24852	6.77944	13.4062	6.63699	5.46543	7.91986	5.90592	5.28213	5.48232	7.82496	5.66961	6.35186
WASHC2C	5.48605	5.09069	4.61712	6.42335	6.72242	8.48259	4.46792	3.98756	7.33525	4.13644	4.15635	4.17478	6.12867	3.61062	5.15815
WASHC3	5.72306	4.54816	4.39499	7.23712	1.48755	8.5425	3.07195	4.7417	7.69202	8.4136	16.5506	4.38866	3.35413	3.02688	4.55158
WASHC4	5.07831	4.94925	4.70492	7.82135	1.50844	6.05233	3.33992	6.03053	6.10725	9.80053	9.43929	5.32808	8.98708	6.60218	6.72151
WASHC5	6.76239	5.17232	5.38742	8.2743	2.86558	9.97366	5.12623	5.45668	5.88748	7.274	9.77901	4.75517	9.07379	5.90973	6.01688
WASIR1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASIR2	0	0.0215056	0.0369249	0	0	0	0.0254812	0.119003	0	0.0280105	0	0.0319373	0	0.034992	0.0320505
WASL	7.41598	6.40155	6.53971	12.1259	5.29496	10.6839	6.77386	7.68222	17.6453	11.2674	13.5416	9.25349	16.9195	8.52701	7.31693
WBP1	6.9824	10.4116	11.1617	5.62866	18.3383	10.9934	7.74596	7.39589	6.88863	6.44309	13.97	5.67127	4.91635	4.21109	6.59005
WBP11	10.3252	8.27335	8.90691	11.1578	5.09526	16.6992	8.17227	11.1453	8.35872	7.06077	8.63689	6.06892	12.4915	7.33243	6.86106
WBP11P1	0	0	0.00644198	0	0.0120959	0.00663846	0	0.0138581	0	0	0	0.00557183	0	0	0
WBP1L	11.2818	11.4294	11.807	13.8728	15.1204	21.5566	11.3248	9.53063	36.9578	11.8406	18.4061	9.10078	13.485	9.9189	11.1896
WBP2	11.8895	17.2708	18.7185	16.8208	19.6855	30.5508	20.0576	13.843	37.6039	22.4187	28.2479	23.1008	29.1505	12.9433	10.033
WBP2NL	0.279795	0.240731	0.264533	0.0308932	0.0465663	0.178681	0.365098	0.355227	0	0.100335	0.0338415	0.0143001	0.0193417	0.0365583	0
WBP4	2.83491	2.49573	2.38867	3.12885	1.29118	3.75494	1.06895	1.84292	2.41896	2.7784	3.34843	1.63403	3.81057	2.69807	1.78433

WDCP	0.939033	0.735935	0.703086	1.64142	0.61854	1.92809	0.821084	0.765871	0.506675	0.939884	1.35526	0.510307	0.98165	0.879057	1.13519
WDFY1	5.55751	4.4684	4.90544	5.59933	3.13707	8.28125	4.43044	4.92582	4.18796	6.62648	8.44713	4.44876	6.65591	5.6899	7.20453
WDFY2	8.9437	9.61962	10.1785	8.50295	8.26764	6.68421	10.9747	8.85018	11.8322	11.5761	7.19501	13.0685	12.8306	10.0728	5.08711
WDFY3	6.60814	7.41691	7.7414	7.59615	4.38662	7.00591	7.73506	6.61692	7.92001	6.46186	6.17876	5.63741	6.64875	5.97386	6.70902
WDFY3-AS2	0.450801	0.307469	0.329344	0.168932	0.345577	0.31406	0.320858	0.369416	0.256687	0.198398	0.363498	0.117295	0.120874	0.125454	0.327907
WDFY4	0.776597	0.51672	0.609951	0.845561	0.829347	0.767536	0.667659	0.499144	0.0844471	0.513463	0.793188	0.14388	1.03492	0.357564	2.09781
WDHD1	0.96685	0.739436	0.679236	1.99274	0.22051	1.74454	0.714044	0.791061	0.443905	1.48317	1.38597	0.763184	1.79221	1.35954	0.787931
WDPCP	1.06511	1.01056	1.07269	0.678325	0.563485	0.697336	0.88124	0.938068	0.31053	0.547324	1.07778	0.400936	0.246498	0.66012	0.764818
WDR1	29.4801	25.709	28.8787	63.8258	35.0128	72.4779	28.265	17.8852	54.7473	61.7623	52.4921	41.6165	129.073	59.3964	41.4827
WDR11	7.09838	5.98283	6.13515	8.10604	3.71338	7.07651	5.43662	5.244	4.97744	5.43019	5.82777	5.11406	7.44066	5.43457	6.24147
WDR11-AS1	0.0277717	0.0356822	0.0306329	0.057239	0.043139	0.0315296	0.0211392	0.0740434	0	0.151044	0.0104502	0.0463665	0.00597366	0.0774116	0.0930618
WDR12	3.04247	2.44807	2.3911	5.7586	2.06369	4.90491	1.98006	2.09101	3.11252	4.13683	6.90348	3.05501	5.19537	4.89229	2.59249
WDR13	5.0918	5.04508	5.68659	6.83836	12.0043	9.55935	5.72924	3.89749	9.08178	6.57629	9.36368	5.54136	7.14802	5.90181	5.40178
WDR17	0.124966	0.0616789	0.052951	0.0502559	0.0142035	0.0674774	0.156602	0.0758453	0.00371206	0.0191274	0.0791373	0.00654266	0.0255647	0.0350458	0.166335
WDR18	4.68531	3.53716	3.6168	12.6091	11.0791	10.2278	5.86064	3.27544	2.94395	6.18019	12.1111	4.65502	9.47316	5.54478	4.37151
WDR19	2.56007	2.3461	2.39745	1.93646	0.962356	3.03876	1.59596	1.93391	0.70464	1.63228	1.68198	1.11374	1.36104	1.61631	1.93388
WDR20	2.69945	2.73975	2.63165	1.90015	1.97127	2.22844	2.73309	2.35126	2.54821	2.07096	1.95993	2.03793	2.53697	2.05325	1.73077
WDR24	1.80529	2.76294	2.93421	3.14444	7.21402	4.38246	3.92844	2.26502	3.68164	1.75046	2.08589	2.66958	2.46655	2.07575	2.51128
WDR25	1.20577	1.1666	1.19056	1.2025	1.02712	1.805	1.63207	0.950604	0.639506	0.537002	1.6356	0.681861	0.859518	0.808065	1.00547
WDR26	14.8145	13.3166	14.2086	13.4622	8.99779	15.6286	12.7469	15.0666	42.8281	16.2395	18.9404	14.8728	15.3207	11.0342	10.4953
WDR27	1.37697	1.8118	1.64862	2.01756	2.77669	1.33448	1.28061	0.818789	0.432968	0.747854	0.989179	1.28979	0.316598	1.29801	1.46694
WDR3	3.21746	3.19823	3.23455	6.08389	2.23465	6.78045	2.26959	3.14589	2.639	2.95189	4.25207	2.86171	5.7424	4.48943	2.59753
WDR31	0.544269	0.649989	0.561859	0.647175	0.874341	0.613956	0.515201	0.372077	0.691186	0.373669	0.425362	0.339511	0.438198	0.42061	0.334034
WDR33	5.46084	4.67675	4.79749	4.90682	2.54445	4.6024	3.61804	4.85679	2.96229	3.08387	2.68755	2.77369	4.59345	3.30153	3.17609
WDR34	3.98447	3.23235	3.73855	7.33329	9.84746	8.34633	4.11331	1.99114	3.72088	4.55356	8.90973	3.54325	6.38173	4.93004	3.85746
WDR35	1.5131	1.20114	1.40614	1.19179	0.429692	1.89851	0.932297	1.30621	0.284129	0.916081	1.42216	0.357707	0.875177	0.85178	1.32103

WDR36	3.58802	3.12598	3.53751	5.48844	1.2652	4.34058	2.85004	3.90947	2.27041	3.00516	4.77569	2.87128	5.27324	4.55052	3.08061
WDR37	3.70409	3.76526	3.575	4.45854	3.68769	4.78654	3.77649	2.87706	6.6445	4.04427	3.30324	4.21618	5.63787	4.83718	3.71215
WDR38	0.116716	0.192807	0.179317	0.0343654	0.1813	0.0993819	0.285562	0.088909	0.0406133	0.188344	0.0188225	0.0477218	0.0860621	0.0610007	0.335237
WDR4	2.42643	2.87841	2.88416	3.91776	5.11615	2.87162	3.11047	2.35103	1.25886	1.7371	1.86894	2.16865	3.09148	4.75675	1.74862
WDR41	3.16126	3.1806	2.68882	4.41908	2.68098	3.75232	2.5801	2.63025	6.47937	6.25305	7.17082	3.45024	4.55377	4.13208	3.76486
WDR43	7.76678	6.16113	6.61501	10.503	2.49435	9.14702	5.20847	6.28504	13.0591	6.37535	8.87872	7.30661	15.5915	10.4308	4.62165
WDR44	2.56773	2.24841	2.10574	4.48688	1.13587	3.74539	1.76542	2.03394	2.30462	4.92524	3.43425	3.09143	7.10572	5.053	3.19056
WDR45	5.86312	5.55789	5.807	8.60515	10.4949	12.4757	6.91383	3.55569	16.9403	6.94076	13.4078	6.07391	11.5594	7.36285	6.32683
WDR45B	13.07	11.7412	13.3878	17.8849	9.61609	24.0479	11.5318	10.7251	15.0679	16.4827	18.9454	12.1812	27.3355	15.5555	9.66128
WDR46	1.09299	1.11554	1.10677	1.76223	2.1329	2.86538	1.27032	0.753772	1.522	1.20466	1.29356	1.07079	1.76302	1.33804	1.3362
WDR47	4.77784	7.1584	8.97306	4.24755	3.4519	3.63123	4.51878	5.84493	10.4068	7.46431	5.32192	5.81889	7.6399	5.74923	2.8115
WDR48	4.02913	3.58584	3.87242	4.82916	2.14467	4.20428	2.40857	3.59444	2.88169	3.98114	4.55416	2.14476	3.6394	2.9347	3.95829
WDR49	0.10854	0.0929708	0.0249421	0.0310703	0.0187333	0.0821511	0.103272	0.0267947	0	0.0529777	0.108913	0.0258877	0.0778102	0.0567275	0.0606187
WDR5	4.89327	5.89942	5.84653	8.57176	7.79294	11.7009	5.30472	4.25181	4.54264	4.35295	5.68805	4.96319	9.07259	6.57411	3.83217
WDR53	1.39407	1.80474	1.82311	3.51178	2.13267	2.84769	1.80072	1.43291	14.1485	4.25939	7.41567	4.20159	3.96577	3.172	1.10215
WDR54	1.87172	1.03334	0.741951	1.98914	1.87771	2.93847	1.40245	1.16094	0.617377	1.37037	3.89573	0.962598	1.20763	1.47755	1.59602
WDR55	4.30235	3.84452	3.98214	7.26414	5.19753	7.2628	3.79349	2.70705	4.05899	5.34728	5.963	3.41041	6.79258	5.29254	3.73508
WDR59	4.67435	6.38358	6.38021	5.95939	6.32254	5.82292	5.14282	3.9457	4.98569	2.92236	2.62845	4.33084	3.60241	4.03698	2.92271
WDR5B	1.56021	1.68206	1.32275	1.06619	0.446894	1.02699	0.9665	1.51442	0.707505	1.11105	1.14296	0.791751	0.606838	0.879047	0.937578
WDR6	6.0125	9.62026	12.1244	6.32774	13.2807	7.12744	4.6425	4.84634	2.59154	3.20867	3.3948	4.2476	5.16528	7.83359	7.03372
WDR60	3.33873	2.40644	2.64078	1.60004	1.77933	2.92608	1.43804	2.05532	0.74051	1.30142	1.53211	1.38675	1.7128	2.07693	1.94132
WDR61	9.68623	6.79692	6.99134	12.4775	7.37162	12.0117	6.43898	5.92186	14.4887	9.44435	16.2552	8.396	9.07026	7.94197	7.18875
WDR62	0.634057	1.1233	0.617339	0.975094	2.10619	1.31235	1.16945	0.654522	2.48889	0.997818	1.47008	1.92641	1.61748	1.09102	0.70045
WDR63	0.130319	0.354576	0.386843	0.371292	0.0833535	0.202347	0.140041	0.258884	0.0933608	0.365612	0.242305	0.142612	0.0642972	0.0961556	0.209172
WDR64	0.0105918	0.00510328	0	0	0	0.0180375	0	0	0	0	0	0.00757871	0	0	0
WDR66	0.824421	0.841169	0.953935	1.89908	1.12995	1.11033	0.369136	0.550705	0.977802	2.96218	2.40879	1.708	3.59127	2.4698	1.03694

WDR7	3.41969	2.87265	2.96041	2.54478	1.66367	3.28252	3.13518	2.65214	1.94304	1.65139	2.32841	1.7601	1.73883	2.35201	2.70655
WDR70	6.23329	5.83717	6.00283	7.29105	5.18275	7.57569	4.81763	4.58322	3.88007	4.7609	7.22906	3.52994	4.48917	4.59434	4.19279
WDR72	1.42881	0.709531	0.518703	0.170579	0.168819	0.116661	0.706184	0.660882	0.0922723	0.0512033	0.0399691	0.0969059	0.00752041	0.0504715	0.0880569
WDR73	2.68625	3.01701	3.34086	2.83235	4.22716	2.69545	2.73191	2.6717	1.46145	1.69622	1.93079	2.0365	2.14573	2.40801	2.39038
WDR74	5.91547	4.98884	5.56177	10.2108	8.85463	12.6945	5.66251	3.79962	4.75788	4.42157	7.57833	5.14361	8.6603	6.03143	3.40867
WDR75	5.9298	4.7835	4.91256	7.10605	1.06584	7.27075	3.13373	4.96123	3.23949	6.20913	8.12836	4.27924	6.76641	6.3178	4.34311
WDR76	1.10342	1.05221	1.08874	2.25051	0.249957	2.22653	1.18111	0.975519	0.398952	1.31998	1.64136	0.596256	1.99116	1.56489	0.891365
WDR77	3.64362	4.08393	3.60069	7.39874	4.83278	7.07551	4.44843	3.02539	4.57958	5.02383	6.69573	5.53928	7.81912	7.08585	4.45502
WDR78	0.602714	0.332688	0.387268	0.337693	0.0454477	0.533133	0.193754	0.296423	0.178165	0.257052	0.475612	0.196788	0.162343	0.195731	0.403374
WDR81	3.50013	3.56721	3.60288	4.98973	8.68999	7.894	4.28881	3.1163	2.39852	1.78454	2.08586	2.92603	3.90082	2.93058	4.28616
WDR82	13.4642	11.436	12.061	18.4206	9.33553	19.5729	10.4539	9.91961	13.3376	11.8908	12.6428	8.86619	16.5182	11.763	11.3756
WDR83	1.2573	1.66724	2.11032	1.48357	3.44554	2.2826	1.80382	1.37545	2.79929	1.13965	1.43353	1.25036	1.18502	1.33048	0.716176
WDR83OS	18.2241	16.6807	17.1443	30.7469	21.4609	37.0775	22.5878	13.2818	25.1085	21.0177	36.8065	19.0597	19.9958	16.5067	13.6651
WDR86	0.0939078	0.160875	0.112215	0.11828	0.38899	0.906228	0.142961	0.12055	0.0508307	0.144056	0.376925	0.0298638	0.208695	0.119974	0.599393
WDR86-AS1	0.09796	0.0235993	0.0202599	0.0252377	0.0380414	0.104265	0	0.0435294	0	0	0.0829385	0	0	0.0255991	0
WDR87	0.0127132	0.00245016	0.00210345	0.00262026	0.00394959	0.00649506	0	0.0316355	0	0	0.00287032	0	0	0.00132889	0
WDR88	0.113385	0.230662	0.198022	0.194743	0.273973	0.257455	0.186996	0.111963	0.0153433	0.0316243	0.127997	0.0811297	0.0487701	0.0724286	0
WDR89	1.13001	1.16191	1.14894	2.23143	0.519723	1.5911	0.720785	1.0267	0.561252	1.10134	1.51081	0.736277	1.50296	1.11189	0.834082
WDR90	1.55791	1.948	2.01096	1.90246	3.53588	3.95472	2.72776	1.34742	0.584975	0.781084	0.744964	1.82301	1.00246	1.84675	2.31533
WDR91	2.84816	3.51343	3.30829	6.06453	6.49731	4.98207	2.53971	2.79765	2.0141	4.72787	2.82763	4.52909	3.00758	4.22817	3.29169
WDR92	1.27774	1.79327	1.7375	2.03273	1.09162	2.20995	1.13975	1.44203	1.21574	1.25289	1.76695	0.965683	1.12839	1.25678	0.997778
WDR93	0.0741764	0.0476525	0.015341	0.0382205	0.0192036	0.073687	0.0282308	0.0274674	0	0	0.006978	0.0176917	0	0.0129226	0
WDR97	0.129136	0.146661	0.141169	0.0807977	0.308054	0.13352	0.142178	0.0860741	0.0561691	0.0347313	0.0104128	0.1056	0.0119026	0.0674922	0.0662342
WDSUB1	1.74521	2.29281	1.99975	1.60859	1.11131	1.46757	1.86886	1.28126	1.61061	1.00678	1.5296	0.969525	0.93717	1.30304	1.60344
WDTC1	6.87228	9.81102	9.92025	10.002	15.5241	15.3512	10.8132	6.29968	13.0135	8.04688	6.33753	8.70762	10.8979	6.63635	6.02105
WDYHV1	2.47238	1.77057	1.43061	2.84023	0.58761	2.1167	1.66596	1.72898	1.82639	1.56002	2.27246	2.08806	1.54286	2.28778	2.3671

WEE1	4.14024	8.47248	12.3285	4.40216	1.74993	3.64223	4.48561	6.31718	3.74694	5.09595	4.17028	6.45274	4.25782	4.6057	1.87247
WEE2	0.134988	0.0884711	0.0729557	0.00779144	0.0117443	0	0.0269349	0.0739117	0	0	0	0.00540982	0	0.00395151	0
WEE2-AS1	0.339123	0.220418	0.14673	0.189784	0.174819	0.200371	0.197185	0.127297	0.074763	0.051365	0.219446	0.0658865	0.0330057	0.0802093	0.17632
WFDC1	0.910649	0.189123	0.0259777	1.32677	1.317	1.77809	0.878409	0.279072	0.841362	2.30562	4.98054	0.82011	0.709107	2.14176	3.76559
WFDC10A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WFDC10B	0.219713	0.0352869	0.272643	0	0.0568816	0.0311804	0.16724	0	0	0	0	0	0	0.0382771	0
WFDC11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WFDC12	23.8607	15.7176	7.64338	71.4255	96.0037	30.2973	49.0585	20.541	600.711	154.692	167.184	81.4709	126.901	22.2846	7.85821
WFDC13	0.826538	0.146292	0.12559	0	0.078606	0.14363	0.404449	0.0899459	0	0	0	0	0	0	0
WFDC2	2.33066	0.669829	0.811826	1.30625	0.508115	4.94391	0.746968	1.01748	0	0.0513196	0.646217	0.029257	0.448481	0.213703	0.293607
WFDC21P	8.81699	6.22538	6.22689	2.48992	8.62208	0.444258	10.3747	3.9048	34.7927	3.87292	10.5088	3.80643	0.264492	0.292164	0.321124
WFDC3	4.65175	0.880903	1.26361	0.0715488	0.575186	1.08383	1.55902	0.781569	0.0281856	0	0.0522512	0.0331189	0	0	0.0332363
WFDC5	13.754	20.6255	26.3487	35.9852	25.7789	7.39459	36.0539	17.2138	101.059	26.9069	62.3371	37.4621	19.0388	17.9889	5.0279
WFDC6	0.0373878	0	0	0	0	0	0.0853764	0	0	0	0	0	0	0	0
WFDC8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WFDC9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WFIKKN1	0.308891	0.457933	0.383304	0.269349	0.793539	0.434989	0.569716	0.454008	0.217035	0.0447334	0.120704	0.382534	0.0613215	0.142812	0.153556
WFIKKN2	0.0167622	0.0699946	0.0970683	0.0575799	0.00867918	0.0285456	0.102072	0.07945	0.0884629	0.00701277	0.00630749	0.0159918	0	0.00292022	0
WFS1	3.6622	3.6515	4.54971	2.5291	4.90842	6.72378	6.33743	2.99473	1.6803	2.05084	3.37338	1.92891	3.35145	2.31279	2.92189
WHAMM	3.0385	3.226	3.19921	2.93943	3.94172	3.43091	2.3037	2.46161	4.17592	2.59267	2.17601	2.24387	2.47959	2.55783	2.32844
WHAMMP1	6.38675	5.586	5.26134	5.03112	2.08921	3.29584	3.72227	4.29428	3.39092	3.80628	6.40388	3.07839	2.24273	3.64981	4.06907
WHAMMP2	0.736171	0.401405	0.417303	0.34427	0.34298	0.378741	0.269308	0.460851	0.0913385	0.226209	0.296593	0.243931	0.175275	0.393851	0.475821
WHAMMP3	0.87801	0.968652	0.660296	0.657957	1.19111	0.930541	0.453647	0.624123	0.239431	0.470729	0.657826	0.44471	0.399758	0.667788	1.21606
WHRN	1.16457	1.34077	1.69229	0.898967	1.71412	1.85695	1.15039	0.945816	0.154049	0.89232	0.374208	1.12352	0.63318	1.07369	1.30916
WIF1	0.0309952	0.876124	1.47011	0.117119	0.0160487	0.0527839	1.09707	0.0367279	0	0	0	0	0	0	0
WIPF1	5.00099	2.89004	3.59259	6.31299	4.21991	11.3442	4.56572	3.72846	0.514533	5.34571	11.3242	1.82784	7.233	5.20949	14.223

WIPF2	5.73445	6.49464	6.96517	7.88655	5.96658	9.87262	8.47959	6.19448	10.157	6.25626	6.17558	5.88948	11.4211	5.68984	5.19149
WIPF3	0.309754	0.413087	0.3798	0.450315	0.274946	0.786545	0.435768	0.196631	0.0471557	0.187444	0.199814	0.178101	0.142751	0.182127	0.182705
WIPI1	6.59642	2.8615	3.69964	7.81631	3.31297	13.4144	3.93793	4.60804	9.58645	9.53861	19.0438	4.04089	9.7671	7.90182	11.965
WIPI2	6.18841	6.53343	6.57999	9.55624	11.3703	10.8385	8.13786	5.29943	27.4251	11.0024	13.5426	8.86259	12.554	5.99509	5.64391
WISP1	0.900923	0.605991	0.664137	4.68809	1.19854	1.91021	0.585616	0.979034	0.244431	6.51023	14.8879	2.24665	8.6156	10.604	17.5821
WISP2	23.5389	22.4988	36.1064	0.565655	12.0161	38.7041	40.1386	13.7608	0.0621856	2.73967	10.4185	0.155274	0.658876	0.440324	14.1892
WISP3	0.613999	0.568912	0.729355	0.957228	0.391283	0.187676	0.736995	0.615629	1.03539	0.889191	1.03081	0.473128	1.27987	0.921566	0.090439
WIZ	4.66699	4.98223	5.00711	9.38243	10.7034	13.0458	6.44557	3.86057	6.43062	4.2654	5.58547	6.19981	9.74905	5.94735	6.21162
WLS	6.70748	9.74899	11.7038	10.5703	7.6411	14.2743	9.84746	7.76354	3.81158	7.11351	10.7596	3.52378	8.12999	6.35839	6.35311
WNK1	33.925	33.0228	31.8237	33.5004	28.2054	33.0031	29.0879	28.8091	50.8604	29.219	23.7604	38.4984	38.2386	30.0879	19.4784
WNK2	1.74272	2.97052	4.58002	0.203312	1.67588	1.66879	2.69794	3.62454	0.00333716	0.00687826	0.0138927	0.0254882	0.0371261	0.00572842	0.0275461
WNK3	0.2734	0.167118	0.160348	0.13036	0.120433	0.165042	0.1025	0.166818	0.0720606	0.0896272	0.154317	0.0875931	0.0776668	0.121564	0.149436
WNK4	0.105246	0.0800671	0.201629	0.0399586	0.249527	0.0518827	0.132816	0.0689197	0.0202386	0.0278094	0.0187594	0.0792699	0.0250173	0.0839568	0.0397754
WNT1	0.0202654	0.0244104	0.0335299	0.010442	0.0157396	0.0603949	0.0231383	0.0180102	0.0246809	0.0127176	0	0	0	0.00529578	0
WNT10A	1.00368	1.90148	1.62032	1.3657	7.68933	1.5018	2.1473	0.874665	2.36166	2.67843	2.09005	2.38456	1.49632	1.61953	0.405833
WNT10B	0.410303	1.09671	0.703108	0.271819	1.15329	0.19132	0.725014	0.382007	0.642475	0.147135	0.198506	0.237662	0.0504239	0.0561635	0.168356
WNT11	1.78947	1.00686	1.16244	0.470308	1.06336	0.940816	2.22142	0.715117	0.117014	0.150736	0.244038	0.180461	0.123979	0.276183	0.0517431
WNT16	1.02524	2.76005	3.41633	0.605845	1.11367	0.31134	1.3343	3.20493	2.98621	0.269953	0.380392	0.574554	0.22666	0.0149883	0.154444
WNT2	0.175205	0.379875	0.474357	0.262624	0.074224	0.488243	0.509203	0.0353882	0	0.90959	2.16665	0.0284919	1.3976	1.32361	5.31825
WNT2B	1.76537	4.11631	4.85569	0.942829	2.1017	0.789996	2.55265	2.30184	0.996541	0.873348	0.647322	1.10642	0.798136	1.28297	1.06408
WNT3	0.972629	6.19186	7.70958	2.12549	7.88631	1.9383	2.74872	4.87983	5.13306	2.70123	4.46199	2.58634	1.13045	2.29293	0.673643
WNT3A	0.311481	0.686599	0.818131	0.192594	0.653181	0.503922	0.844643	0.352944	0.303479	0.185697	0.0527435	0.178298	0.135652	0.183143	0.190114
WNT4	2.5484	5.16272	5.42253	1.28256	10.0345	0.9689	8.85762	3.02852	4.60498	2.91585	3.88706	3.10411	1.84305	1.76245	1.20859
WNT5A	4.57296	4.14061	1.07914	6.01876	4.43824	4.18423	1.31591	2.92129	10.2815	10.5862	16.8594	9.34701	11.9359	20.2477	16.6421
WNT5B	1.30186	1.58743	1.52435	0.474721	1.35334	1.62866	0.891853	0.569592	0.268318	1.06836	1.88792	0.157641	0.529817	0.779852	0.532127
WNT6	0.19059	0.321402	0.281552	0.224467	1.77631	0.417304	0.52848	0.157282	0.132638	0.119605	0.122944	0.0876678	0.087834	0.0853805	0.117305

WNT7A	0.0270047	0.156135	0.0111701	0.431352	0.629215	0.643837	0.292915	0.119998	0.723552	0.762608	0.884064	0.318823	2.50896	0.952685	0.465386
WNT7B	1.32516	4.13454	3.74396	1.62167	5.95477	1.8487	4.90384	3.06516	2.91079	3.15566	2.81825	4.89334	5.93912	2.53537	1.32538
WNT8A	0	0.0160134	0	0	0	0	0	0	0	0	0	0	0	0	0
WNT8B	0.162326	0.256979	0.153471	0.131436	0.216127	0.1086	0.251531	0.0721309	0.0141211	0.0291051	0.052356	0.0331853	0.0149617	0.0908986	0.0999089
WNT9A	0.254383	0.236774	0.205661	0.208527	0.48495	0.19199	0.429068	0.123313	0.394303	0.602272	0.189269	0.310257	0.596824	0.525763	0.672532
WNT9B	0.0763797	0.205751	0.218281	0.132378	0.350539	0.153722	0.0990999	0.111076	0.253696	0.0784345	0.0823039	0.218607	0.185919	0.161492	0.413834
WRAP53	0.872558	0.791937	0.788988	1.88204	1.78091	2.53992	1.10052	0.748405	0.679618	1.13335	2.05019	0.936507	1.6169	1.41053	0.670264
WRAP73	1.66183	1.8836	1.97203	3.1865	3.32196	4.80182	1.75745	1.36795	2.18982	2.34222	3.85964	2.11501	3.90212	2.37782	2.71916
WRB	1.30158	1.0653	1.02404	1.2937	0.597731	1.45275	0.877207	0.871047	1.14644	1.34026	2.37478	0.585087	0.715062	0.737125	0.864579
WRB-SH3BGR	0.182641	0.225191	0.221206	0.0143674	0.325493	0.473603	0.341163	0.314277	0.173824	0.179826	0.421266	0.157302	0.00611784	0.172918	0.245723
WRN	2.96948	2.37889	2.81237	2.11295	0.809954	2.21241	2.16948	2.61284	0.800076	1.06116	1.44329	1.02864	1.21454	1.57815	1.66689
WRNIP1	5.58178	6.48354	6.94946	10.4655	10.1724	11.0702	4.71548	3.9445	6.13677	7.28226	7.47573	4.90696	11.8868	7.51152	3.87728
WSB1	12.5058	10.6991	10.8682	12.3036	8.12222	12.8375	11.0324	10.2717	8.69654	17.1793	17.831	13.473	11.3017	25.7062	18.2258
WSB2	7.92559	6.43098	5.99996	15.4561	10.075	17.0345	10.148	6.02149	21.3156	20.1303	24.5004	12.4393	27.7739	13.9764	8.35969
WSCD1	0.409506	0.210715	0.286147	0.241733	0.487886	1.46923	0.285984	0.102467	0.00484206	0.10479	0.381494	0.0312926	0.297558	0.211948	0.559554
WSCD2	0.352613	0.344091	0.107082	0.124193	0.138666	0.524479	0.693088	0.0991688	0.021744	0.0112042	0.0806191	0.0223561	0.0172788	0.034992	0.147432
WSPAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.010933	0.180251
WT1-AS	0	0	0	0	0	0	0	0	0	0	0	0.00385642	0	0	0
WTAP	11.0396	7.72139	8.35712	15.4469	5.3568	14.9403	5.13164	9.20114	8.75277	11.2399	15.8982	6.63735	14.5809	9.16924	12.2609
WTAPP1	0.0175193	0.0590876	0.0289865	0.27984	0.0408204	0.0372937	0.0100015	0.0311395	0.0106683	0.0219886	0.108774	0.0313389	0.073472	0.105298	0.03774
WTIP	2.34161	1.99336	1.7026	3.26796	7.12785	6.21401	2.03815	0.839876	1.24047	2.14821	2.93973	1.27727	2.16118	2.78242	3.19696
WWC1	2.32495	3.124	3.70185	5.97737	5.61194	3.96519	3.6152	2.817	6.13567	3.27579	1.27546	3.7817	7.84133	3.3546	1.46972
WWC2	2.01631	1.39616	1.61312	1.78191	1.40616	1.98757	1.62435	1.39598	1.15736	2.53195	1.60055	1.5257	3.63238	3.2474	3.50652
WWC2-AS1	0.0572848	0.248406	0.09478	0	0	0	0.130812	0.0509099	0	0.0718983	0.0646674	0.0819776	0.0739197	0.0299395	0.411341
WWC2-AS2	0.22304	0.173989	0.263592	0.284575	0.643422	0.542616	0.14552	0.103829	0.168157	0.279938	0.419641	0.227987	0.294661	0.222039	0.137277

XIST	0	0.0059058	0.00370747	0.691801	0.00881851	0.00108504	44.8835	0.00225779	0.00146191	0	0	0.00093517 6	0.00542129	0	0
XK	0.223648	0.295254	0.318229	0.401027	0.250129	0.281841	0.311531	0.198759	0.354091	0.336841	0.33831	0.368059	0.432889	0.170656	0.0963559
XKR3	0	0.0132039	0	0	0	0	0	0.0121774	0	0	0.0309362	0	0	0	0
XKR4	0.0532841	0	0	0.030506	0	0.110906	0.263631	0.0526161	0.00721045	0	0.0267338	0.00423624	0.00763969	0.00309429	0.0595176
XKR5	0.0184113	0.0266126	0.0418857	0.0142301	0	0.0548695	0.0420429	0.0204531	0.00560573	0.0173311	0.0259801	0	0	0.0168395	0.0132205
XKR6	0.432378	0.411445	0.366636	0.61824	1.0914	0.317542	0.320889	0.244967	0.342282	0.345958	0.219646	0.344183	0.181329	0.271176	0.186285
XKR7	0	0	0.0131585	0.00819573	0.0247073	0.0203155	0	0.00706791	0	0.00998176	0	0.00569054	0	0	0.0228429
XKR8	1.10041	0.80772	0.860555	1.78075	2.21678	2.01306	1.07973	0.481337	1.51817	1.45666	2.84354	1.02728	1.97463	1.09633	1.38279
XKR9	1.03402	0.922849	0.91445	0.599305	0.200412	0.262132	0.637502	1.31348	0.16894	0.226768	0.0434209	0.43374	0.0652666	0.707237	0.514839
XKRX	2.95478	5.28787	4.78807	5.11122	7.46471	2.74405	7.80393	3.73694	36.8756	4.5338	7.20264	7.73085	1.81213	2.60918	0.676152
XKRY	0	0.00176323	0.00302745	0	0	0	0	0.00650462	0	0	0	0	0	0	0
XKRY2	0	0.00176323	0.00302745	0	0	0	0	0.00650462	0	0	0	0	0	0	0
XLOC_007697	0	6.70E-38	0	0	0	0	0	0	0	0	0	0	0	0	0
XLOC_008559	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XLOC_009911	0	0.0447818	0	0	0	0	0.0530602	0	0	0.0583271	0	0	0	0	0
XPA	2.80546	2.5426	2.84027	1.47422	1.16045	2.1858	1.80576	2.25311	1.65513	1.51618	2.16218	1.14301	1.13834	1.36657	1.0957
XPC	6.24718	7.0185	8.08802	5.77928	7.35685	10.0539	5.25069	4.83009	1.66568	2.85596	2.83168	2.61532	3.49884	3.36801	5.27493
XPNPEP1	6.54419	5.38032	6.43399	9.28563	4.68901	12.7744	5.96892	4.7536	4.64386	7.10269	9.81315	4.4119	10.8901	6.60333	5.99753
XPNPEP2	1.09709	0.545323	0.832915	0.500891	0.841294	4.36926	2.73516	0.999686	0.0338261	0.0958644	0.431116	0.0198734	0.10304	0.0580645	1.34621
XPNPEP3	1.78148	1.84972	1.98177	2.07285	1.06525	1.91729	2.11835	1.7786	1.28744	1.26266	1.68137	1.77105	1.66775	1.67943	1.39579
XPO1	10.4982	10.3034	10.4964	16.8033	4.09359	12.6233	6.48837	12.1021	6.9793	10.0371	12.0513	6.39065	14.7339	10.4202	8.56025
XPO4	3.20748	2.56178	2.72706	3.33195	0.698254	3.32719	2.29088	3.41649	1.49696	2.07751	2.73282	1.69029	3.35644	2.33835	2.60242
XPO5	4.10534	4.85794	5.0491	6.99192	4.39727	7.23847	5.30209	3.72327	6.87998	4.43991	4.41603	5.25493	7.60989	5.85001	3.69693
XPO6	9.42216	8.30607	8.43666	15.4594	13.1984	16.4427	9.6898	6.77727	10.8296	11.4996	12.467	9.76036	19.681	12.7676	11.5912
XPO7	7.22385	6.61312	6.56941	9.11347	4.73714	11.7738	7.24401	6.15674	6.29541	7.34737	7.60631	5.49337	9.26189	6.72626	5.6424

XPOT	6.5278	5.66483	5.43606	8.90504	2.91313	6.75906	4.64901	5.91355	9.38643	10.0354	9.86072	7.5275	12.9911	10.6819	6.16869
XPR1	1.92787	1.71427	1.67083	2.95656	0.968954	2.93701	1.23583	1.56338	1.10646	2.45664	2.66213	1.26359	3.59975	2.36006	2.11942
XRCC1	3.46815	3.85658	3.77993	5.49153	6.03713	7.13429	4.13582	2.69082	5.45745	3.10921	3.43039	3.56872	4.84466	3.15912	3.7632
XRCC2	0.341225	0.305263	0.336872	0.818455	0.0832438	0.580061	0.172199	0.286958	0.0918398	0.293553	0.417125	0.320109	0.778457	0.729679	0.29654
XRCC3	3.56923	4.47042	4.78092	3.69628	7.94177	3.86802	4.22543	2.49399	0.811712	2.4325	1.06918	2.88017	1.85586	4.91797	4.05537
XRCC4	0.903852	0.618287	0.60003	1.7479	0.415998	1.22569	0.305774	0.783434	1.06002	1.68063	3.0862	1.24555	2.05186	2.29198	1.5865
XRCC5	29.2561	24.1186	26.0837	49.6183	15.0714	53.9933	21.9789	25.7725	27.3968	38.2183	48.2905	21.1073	46.7064	31.2475	26.7635
XRCC6	32.6939	28.0494	30.2237	63.3656	30.803	73.9481	28.9237	23.5915	39.6742	47.3308	41.5482	31.7306	64.4084	36.896	27.4355
XRCC6P5	0	0	0	0	0	0	0	0.00950832	0	0	0	0	0	0	0
XRN1	5.8244	5.55254	6.2974	4.82599	1.65976	4.44511	4.06337	6.51391	5.69301	4.18722	4.38487	3.74311	4.58963	3.79283	4.82491
XRN2	9.08076	6.96881	7.41175	15.3253	4.28933	17.4168	6.15286	7.04316	5.99267	9.35917	12.5858	6.17981	13.8999	10.2102	10.2984
XRRA1	1.63312	2.609	2.62113	1.96148	1.56799	1.51222	1.28645	1.07389	0.41846	1.13343	1.43432	1.82481	0.974593	1.82975	2.04997
XXYL1	3.09111	2.24178	1.87127	3.8823	3.32608	4.55807	3.27197	1.96018	4.44108	3.32398	6.36104	3.32342	4.25362	2.78935	3.15601
XXYL1-AS1	0	0	0	0.0553355	0	0	0.122617	0	0	0	0	0	0	0	0
XXYL1-AS2	0.408407	0.511619	0.247766	0.252525	0.338345	0.301386	0.683915	0.629127	0	0.170864	0.030736	0.253263	0.0175668	0.199221	0.508321
XYLB	0.738641	0.750656	0.359445	0.626863	0.780979	0.734649	0.680355	0.557148	0.120952	0.22982	0.455456	0.295348	0.196234	0.31792	0.574962
XYLT1	3.40959	2.66275	3.27881	3.49695	4.69671	4.56534	4.29061	2.9638	2.35786	4.12409	3.25392	3.34066	6.82845	3.1974	4.77769
XYLT2	3.63757	4.37229	4.09921	4.67588	7.67703	7.00457	3.63229	2.91866	0.978396	2.33924	2.60458	1.54972	3.45411	2.92564	3.09196
YAE1	0.700057	0.697744	0.692692	1.05385	0.330493	1.24477	0.336961	0.561157	0.718851	0.783887	1.38686	0.486177	0.99191	0.807089	0.965944
YAF2	1.26105	0.874748	0.907247	0.662419	0.560217	0.697742	0.949616	1.33004	0.91731	0.754426	1.0746	0.686394	0.60468	0.74884	0.761057
YAP1	11.6932	12.0713	13.4999	21.3278	9.70572	19.2188	11.2201	12.1516	20.655	17.421	14.542	12.2484	27.3094	17.5199	14.7246
YARS	6.37046	5.46517	5.42916	15.3871	9.9532	18.775	7.8331	4.62557	13.0213	12.1321	10.4519	10.8537	30.2898	15.5333	8.40239
YARS2	2.46021	2.29377	2.45817	4.69748	2.34919	4.24409	2.07938	1.96874	2.15316	2.41946	4.68891	2.08803	4.25346	3.60696	2.30957
YBEY	1.66083	1.80963	1.805	1.10746	1.24777	2.90229	2.40443	1.39883	0.912199	1.08994	2.36503	0.776711	1.1486	0.862349	0.810643
YBX1	47.2775	27.2149	27.5468	74.106	22.6928	79.4837	29.7529	27.5188	40.3149	56.8577	88.1924	33.4157	72.2924	55.315	34.842
YBX2	0.380113	0.260629	0.423307	0	0.090838	0.522838	0.717771	0.220878	0.0356104	0	0	0.0209216	0	0.0152818	0.104979

YBX3	71.7036	78.1921	76.1383	165.727	144.648	162.441	78.9907	61.9524	229.883	106.872	109.452	95.22	118.659	81.3969	46.4197
YBX3P1	0	0	0	0	0.0408978	0	0	0	0.0160328	0.0330454	0	0	0	0	0
YDJC	2.43884	2.40848	2.89044	4.99094	7.36178	7.14306	3.39681	1.59868	2.75958	1.95383	4.95957	2.52476	2.68951	3.10977	2.06175
YEATS2	3.05826	3.80406	3.06207	5.54385	4.94827	6.22353	2.9258	3.07815	3.11678	4.51954	4.35617	4.00745	3.77129	5.28881	4.18039
YEATS2-AS1	1.09587	0.680851	0.763437	0.609242	0.716743	0.503393	0.971349	1.24303	0.15805	0.506737	0.244165	0.918251	0.120943	0.746082	0.82832
YEATS4	2.37444	1.64177	1.17348	2.84415	0.718504	4.1749	1.07386	2.24723	2.17824	1.83841	3.32444	0.860519	2.13879	1.52303	0.819284
YES1	7.72414	5.90806	6.22791	10.7971	2.44646	12.0039	4.54986	6.9164	8.48775	12.9945	10.9448	7.26667	20.0567	10.7512	7.67186
YIF1A	7.32898	8.10686	8.48823	19.3817	12.122	21.8859	12.2573	5.10061	14.7339	15.4692	31.2296	11.0938	18.6217	13.8974	10.7625
YIF1B	2.36098	1.99392	2.35344	4.38798	4.40445	5.68587	2.68485	1.52205	2.76794	3.6963	7.98639	3.14596	3.35649	3.67742	2.28617
YIPF1	4.02592	3.32198	3.44022	7.04309	3.08938	8.1082	3.82598	3.12799	6.66473	5.82452	7.33425	3.95012	7.94034	4.39724	3.70447
YIPF2	4.70378	4.807	4.80394	9.25564	12.7205	12.5008	5.95328	3.30083	10.6196	10.997	15.1537	5.50766	10.7665	6.72116	6.05881
YIPF3	12.0414	11.3205	11.723	22.987	22.2629	28.6087	15.6264	9.50078	19.7979	18.5414	32.4581	12.7558	25.5906	14.8969	14.91
YIPF4	5.29994	5.43631	6.25519	8.86015	3.51259	5.79647	4.84104	5.62077	12.2209	8.52929	15.4892	4.53384	9.87093	6.3217	4.93894
YIPF5	3.89404	3.72337	3.65945	6.27835	1.64494	6.69999	2.77784	4.10397	4.44048	6.70448	10.4336	3.06924	6.94908	4.87605	5.33246
YIPF6	3.08719	2.92528	3.09648	2.92331	0.806883	4.02464	2.43967	3.34279	4.50469	3.16269	4.22954	2.65973	3.90998	2.73988	2.55012
YIPF7	0.0246991	0.0119004	0	0	0	0	0.0282006	0	0	0	0	0	0	0.0129088	0
YJEFN3	0.381232	0.691515	0.445246	0.300431	1.25404	0.821084	0.486488	0.398597	0.0273117	0.281462	0.202524	0.336966	0.11575	0.421939	0.676321
YJU2	4.30531	3.70918	3.85295	6.26753	7.03569	7.10016	4.38572	3.11501	5.18491	3.4551	4.67949	2.94314	6.34033	3.14518	3.01104
YKT6	9.91483	7.79645	8.24374	19.6244	13.8676	27.693	9.88752	6.04532	15.6927	26.8838	23.0846	13.9313	38.0308	20.1148	13.3617
YLPM1	7.85846	9.08416	9.15044	7.68803	6.41933	11.1305	7.76125	8.17447	4.04235	3.1842	2.78048	5.03887	6.22081	5.50745	6.22901
YME1L1	14.2448	11.2978	11.3141	21.3227	6.63725	20.822	8.07497	12.5191	18.9187	17.7461	19.1938	10.5768	24.3928	13.9405	11.8722
YOD1	6.38455	5.94375	5.37292	14.278	4.65831	6.32194	14.6406	9.16878	111.63	22.2057	30.431	24.6234	20.866	8.10761	4.63299
YPEL1	0.816233	0.755081	0.814953	0.367496	0.80301	0.803085	0.787703	0.771498	0.128518	0.216768	0.299274	0.212977	0.210149	0.342769	0.975696
YPEL2	4.38356	3.3972	3.72885	3.49174	3.22251	4.32764	3.3131	3.16848	3.30233	3.69748	4.79869	1.66481	3.92416	2.69561	3.94491
YPEL3	8.90228	11.0604	10.4681	14.4078	28.6876	19.8904	12.273	9.27085	33.3172	13.5818	19.5618	15.1864	13.098	8.71729	8.16404
YPEL4	0.483658	0.489371	0.490143	0.473503	0.619813	0.813362	0.621253	0.537294	0.0294521	0.288344	0.655188	0.138428	0.280849	0.657231	0.781418

ZASP	1.08E-22	1.42E-15	2.27E-10	2.79E-12	1.04E-05	2.35E-15	1.71E-19	6.16E-14	8.16E-17	1.48E-11	5.17E-16	4.40E-17	6.97E-12	2.99E-13	0.00022659
ZBBX	0.00665413	0.00320606	0	0	0	0	0	0	0	0	0	0.00476121	0	0	0
ZBED1	3.74017	3.40173	3.53452	4.76848	6.21657	7.1975	3.01832	2.74661	4.97769	2.6111	3.14525	2.76305	4.09176	2.61105	3.33488
ZBED2	2.11155	1.27046	1.32098	2.74979	0.37532	2.4599	0.431804	1.09233	0.985154	5.7751	2.03977	2.33772	9.17732	3.21194	2.30829
ZBED3	0.850726	0.417852	0.423635	0.348977	1.51392	0.984596	0.603546	0.374357	0.100591	0.300628	0.484844	0.147747	0.30908	0.237422	0.604944
ZBED3-AS1	0.141858	0	0.0670598	0.0208841	0.0944374	0.155301	0.069415	0.0900509	0	0.0508702	0.0686312	0.0290008	0	0.0635494	0.0291036
ZBED4	3.15587	3.39734	3.33643	4.02111	4.18171	3.93491	3.23105	2.6852	5.18606	3.89345	2.74308	3.4052	5.95233	4.08924	3.29661
ZBED5	4.66915	5.65459	6.12575	4.33312	1.50826	4.62992	2.64143	5.8829	2.78669	4.67337	5.06118	3.15361	3.56817	4.01567	4.1227
ZBED5-AS1	1.45554	2.43451	2.27063	1.5214	1.45347	1.75283	2.04175	1.64467	5.74855	1.59197	3.80265	1.77051	1.44891	1.11936	1.34379
ZBED6	11.9627	11.0941	12.1237	14.5718	5.1544	12.7284	11.3809	11.6859	12.2588	13.4761	10.5533	11.8109	17.0475	14.7089	15.6164
ZBED6CL	0.644205	1.14455	0.879337	1.30285	2.58924	1.00793	0.845862	0.615454	2.11834	1.67773	1.34537	1.5096	1.74568	0.989025	0.485709
ZBED8	0.324398	0.438403	0.46473	0.391378	0.307258	0.357066	0.189711	0.344552	0.086725	0.427014	0.786002	0.169841	0.137832	0.326684	0.488602
ZBED9	0.0217143	0.0439415	0.025149	0.0447543	0.0438487	0.0369788	0.0123963	0.0347361	0.0370237	0.0572326	0.107856	0.107206	0.137297	0.116893	0.0374213
ZBP1	0.0906386	0.0837028	0.0999768	0.186811	0.12906	0.244396	0.00862402	0.147679	0	0.0379202	0.0511598	0.0270226	0.194932	0.0157906	0.0542369
ZBTB1	3.00848	3.97752	3.71672	3.75327	1.32882	3.30987	2.13566	3.36345	3.92705	3.8563	4.70277	2.74275	3.65471	4.01237	3.5019
ZBTB10	1.47533	0.8375	1.1455	0.616558	0.61605	1.63251	0.701224	1.33533	0.168363	0.645677	1.13334	0.212426	0.791041	0.793575	1.93976
ZBTB11	3.21941	3.48535	3.46548	3.95286	1.56087	3.17791	2.43694	3.25231	3.19003	3.72344	3.79545	2.65932	4.39951	4.27332	2.20804
ZBTB11-AS1	0.88866	1.11731	1.41961	1.11855	2.24345	1.41904	1.27091	0.772351	0.83661	0.916166	1.00718	0.552753	1.28043	0.892714	1.04964
ZBTB12	0.186053	0.294099	0.311817	0.207804	0.743114	0.27399	0.25773	0.186242	0.0271975	0.0703514	0.0840322	0.122505	0.0622444	0.165995	0.134944
ZBTB14	2.31064	1.98739	2.22081	1.98325	1.12341	2.65112	1.46256	1.93366	1.26148	1.47696	2.51846	0.999883	1.48289	1.2685	1.17067
ZBTB16	11.8123	4.30011	6.02064	0.556052	0.4012	6.90256	5.04538	10.4178	0.102776	0.121965	0.0692834	0.16651	0.21449	0.159047	0.503136
ZBTB17	2.20331	2.68192	2.68613	4.31922	6.29176	6.03735	2.56296	1.53852	3.83341	3.83619	2.84258	3.46125	5.0396	4.54992	2.96201
ZBTB18	2.05032	1.93378	2.25592	1.14098	1.39338	1.94223	1.80257	2.15926	1.64806	1.01005	1.61441	0.762874	0.866473	0.803691	1.22198
ZBTB2	2.46127	1.78741	1.98302	2.14676	1.42954	2.09574	1.84088	2.23175	1.77246	1.95198	2.94759	1.37825	3.04711	1.8382	2.05934
ZBTB20	5.5238	3.56794	4.3694	2.20845	1.68322	4.47045	4.12624	4.65875	0.600406	1.45624	2.20605	1.24528	1.72051	2.71155	6.49475

ZBTB20-AS1	0.511597	0.317849	0.222752	0.124867	0.104564	0.160491	0.384293	0.239297	0.0163965	0.0506927	0.0303963	0.105965	0	0.316638	0.116008
ZBTB20-AS3	0.254786	0.265979	0.351295	0.175043	0	0	0.339391	0.415126	0.0517168	0.0532971	0	0.151922	0.0547955	0.0221937	0
ZBTB20-AS4	0.822864	0.429507	0.879278	0.353327	1.43797	0.175164	0.508906	0.639881	0.0417565	0.0430325	0.116114	0.245326	0	0.161274	0.541629
ZBTB20-AS5	0.372075	0.179271	0.0923419	0.0383434	0	0.0633634	0.0424823	0.363736	0	0.0466992	0	0.0266229	0.0240061	0.15557	0.641216
ZBTB21	2.27701	2.69383	3.11526	2.00907	0.857165	2.13247	1.89015	2.86432	4.71543	2.20715	2.58757	2.67929	2.76804	2.84126	2.88255
ZBTB22	0.846345	0.998621	1.1239	0.861696	1.7204	1.09037	0.842392	0.568267	1.07206	0.764225	0.698852	0.620146	0.844802	0.495525	0.618691
ZBTB24	2.29734	1.72923	1.68931	1.90831	0.787763	2.58766	1.73871	2.01322	2.34817	1.43508	1.30561	1.10484	2.07727	1.60175	1.56639
ZBTB25	1.42514	1.66582	1.98509	1.00719	1.49479	1.00615	1.22634	1.35685	0.479286	0.739908	0.835688	0.704232	0.498106	0.760733	1.15955
ZBTB26	1.29551	1.13354	1.03744	1.01465	0.370278	0.961914	0.816505	0.939497	0.631116	0.637393	1.08808	0.422701	0.561697	0.94793	1.07166
ZBTB3	1.06303	1.87977	1.9136	1.74886	2.40547	1.94144	1.9292	1.16186	1.48794	0.918093	1.55879	0.828642	1.0393	0.940898	1.13992
ZBTB32	0.0878294	0.17985	0.227058	0.169708	0.375181	0.280446	0.162956	0.107326	0.0267416	0.0551175	0.0247871	0.188533	0.120418	0.189352	0.0788338
ZBTB33	3.17229	4.04999	4.18887	4.12235	0.710725	3.84031	2.54239	4.46909	3.89007	3.25417	3.62541	2.37277	3.98102	2.30478	1.8336
ZBTB34	2.30972	2.14077	2.46795	1.79517	1.80211	2.51317	2.78613	2.43189	5.08054	2.47405	3.24033	1.58202	2.42303	2.03098	1.9244
ZBTB37	3.25407	2.78874	2.99356	1.64922	2.04398	2.25601	2.42617	2.31514	1.18027	1.26097	1.22448	1.32959	0.917819	1.49626	1.71098
ZBTB38	5.40676	4.34215	4.32461	5.2181	2.79819	5.99365	3.63533	4.49116	4.74724	7.8817	7.75249	3.28375	8.123	6.2092	8.02554
ZBTB39	1.78081	1.59091	1.74023	1.29609	1.31971	1.93016	1.91466	1.6189	1.48203	0.675185	0.933955	0.807002	1.03886	1.18668	1.17217
ZBTB4	10.1136	12.7069	13.9267	11.4293	19.145	21.2445	14.1589	8.90413	12.3954	9.26728	9.33107	9.46068	13.3239	10.3263	10.7998
ZBTB40	2.61234	3.03069	2.97444	2.33934	3.25429	3.70142	3.23539	2.10205	1.34471	1.48917	1.26677	1.85445	1.60744	3.16513	2.97915
ZBTB41	1.12471	1.19063	1.20555	1.22313	0.352772	1.25464	0.75012	1.42243	0.730981	1.55414	2.20663	0.648062	1.04662	0.878901	1.37062
ZBTB42	1.04868	1.08633	1.36096	1.58727	1.92421	2.84066	1.13	0.646561	0.710428	0.682779	0.806483	0.478353	1.16714	0.688533	0.790669
ZBTB43	5.6385	5.23165	5.27364	4.90011	3.10614	3.90691	5.24316	5.1178	11.9362	6.07983	4.31344	8.70143	6.84563	4.98446	3.4839
ZBTB44	4.54773	4.53975	4.86211	4.52431	1.6438	4.44973	3.14645	4.86154	2.3859	2.37069	3.62756	2.19013	3.00293	2.66413	3.01518
ZBTB45	1.50963	2.35124	2.34672	2.53981	4.4173	3.82641	2.30889	1.49764	2.44571	1.55986	2.85353	1.88906	3.15308	2.36334	1.28065
ZBTB46	1.08624	0.950969	1.11976	0.869339	1.88677	2.12372	0.913444	0.758732	0.449863	0.905544	1.41063	0.494062	1.33014	0.928914	2.15852
ZBTB46-AS1	0.0638136	0.122985	0.123179	0.0438411	0.528664	0.126785	0.218581	0.170137	0	0.10679	0	0.152201	0.0274481	0.266814	0.733155
ZBTB47	3.87469	3.20731	4.31444	3.09651	6.31901	7.28553	4.25125	2.50606	2.07797	2.21003	2.57129	1.52153	2.95273	2.58955	5.4378

ZBTB48	1.91053	3.05576	3.14476	2.75031	6.02723	3.21165	2.38378	1.73293	1.78709	2.00238	1.65647	2.43812	1.65838	2.50147	2.07904
ZBTB49	0.92006	0.818399	0.84571	0.623995	0.732908	1.05795	0.601565	0.852616	0.593785	0.720498	0.692423	0.444512	0.441409	0.75212	1.08416
ZBTB5	3.78333	4.77543	5.03245	3.7398	2.98481	3.64534	4.98469	3.77375	6.23249	3.63008	3.74829	3.8184	5.19673	3.95987	2.8811
ZBTB6	1.59588	1.35308	1.41819	1.45283	0.332863	1.4549	1.1847	2.30033	1.42164	1.95345	2.41267	0.835237	1.78643	1.34395	1.21478
ZBTB7A	6.72281	11.2879	10.489	14.3672	22.9726	18.2659	11.9755	7.51538	23.4409	13.416	9.45079	13.3851	20.9012	11.5277	8.46314
ZBTB7B	18.7281	29.0928	27.5252	32.0994	55.9002	34.7952	26.6176	18.7212	56.5401	25.1994	14.704	28.4123	37.0549	18.2417	6.47051
ZBTB7C	11.1066	9.96747	7.33735	5.62556	15.5227	10.1601	13.3621	7.6659	29.5951	2.13407	4.32714	6.983	1.13552	1.94101	1.41371
ZBTB8A	1.67224	0.671337	0.748603	0.822305	0.425094	0.941605	0.751876	1.18084	0.439922	0.900554	1.38642	0.437412	0.905875	0.809768	1.00582
ZBTB8B	0.0115197	0.00555036	0	0	0.00894703	0	0.0065764	0	0	0	0.00650215	0	0	0	0
ZBTB8OS	2.03616	1.9557	1.76152	3.33263	0.785548	2.35701	1.21559	1.33648	4.16545	3.95866	6.52013	2.37108	3.1598	2.69177	2.04502
ZBTB9	0.793915	0.793833	0.840399	1.49115	1.08736	2.15523	0.843111	0.656252	0.712178	0.669654	1.06006	0.598609	1.33565	0.977104	0.62525
ZC2HC1A	2.05339	3.2012	3.97084	1.18608	1.00564	1.13592	1.85916	4.63193	1.07518	1.05879	2.00058	0.996657	0.548498	0.5571	1.63411
ZC2HC1B	0.0699891	0.146128	0.1737	0.0480838	0.0362391	0.0595948	0.0266371	0.124401	0.0284129	0	0.0263363	0.033386	0.0150522	0.0609656	0.0670088
ZC2HC1C	0.53416	0.366467	0.398666	0.2872	0.180377	0.365842	0.338089	0.433437	0.091925	0.0728723	0.0393261	0.153713	0.127366	0.166898	0.100059
ZC3H10	1.45513	1.26377	1.33413	1.28942	2.10195	3.01469	1.42861	1.11198	0.575678	0.918985	1.14044	0.649911	0.98668	0.988183	1.49078
ZC3H11A	16.5119	17.4963	18.2407	19.1855	9.39559	20.2998	13.0587	13.6179	16.9348	17.6913	18.0312	14.0034	23.4153	16.3653	18.3424
ZC3H11B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZC3H12A	13.6297	4.90632	5.40858	28.1593	8.69202	11.1903	3.5578	9.05711	10.9822	5.90272	5.92495	15.7791	52.3788	12.1477	12.0838
ZC3H12B	0.347656	0.221292	0.266497	0.0788851	0.128814	0.18196	0.214859	0.235269	0.0233068	0.0640505	0.108017	0.0593366	0.0452728	0.141693	0.247349
ZC3H12C	2.32823	2.23849	2.86955	2.03914	0.922506	1.63564	1.57218	3.56611	1.12333	1.0719	1.89854	0.992779	1.14612	0.657861	1.61898
ZC3H12D	0.47635	0.359039	0.44089	0.442289	0.502944	0.622464	0.215398	0.662255	0.0689276	0.124309	0.19167	0.094	0.331682	0.325375	0.460581
ZC3H13	5.45379	3.73967	3.23108	4.21762	2.63268	5.99025	2.08375	3.31539	3.49976	2.41836	2.72024	2.65405	4.11437	3.464	3.56262
ZC3H14	4.50868	4.53089	4.83231	5.73581	2.38741	6.18412	3.46909	3.93982	3.84645	4.66089	5.25019	3.82997	6.29085	4.44587	3.95519
ZC3H15	9.14655	8.28067	8.66173	12.6013	4.68536	10.144	4.6084	8.04191	16.1212	12.1063	14.9797	8.22927	15.7088	11.2393	6.4821
ZC3H18	3.70995	4.85774	4.8834	7.47692	9.18839	10.2552	4.0133	3.63277	3.01962	2.83664	2.23501	4.06247	8.22264	5.49536	4.94301
ZC3H18-AS1	0.0378154	0.00911003	0.0156418	0	0.146851	0.048299	0.0431764	0.0504108	0	0	0.0426889	0.013529	0	0.019764	0

ZC3H3	2.97321	3.94714	3.86183	5.77863	5.94582	8.52704	5.36221	3.17584	4.28332	3.76715	3.45206	4.17903	7.65499	3.99002	4.32062
ZC3H4	4.6884	5.58081	5.44065	8.11494	10.4568	14.6087	6.21283	4.08595	3.29969	3.8802	3.05853	4.39438	8.22762	4.55067	4.53223
ZC3H6	2.98238	2.72123	3.18567	1.03757	0.641782	2.46773	1.9877	2.56137	0.576463	0.717425	0.996211	0.574035	0.755712	0.660387	1.08013
ZC3H7A	4.89425	3.88637	3.49698	5.37491	2.40226	6.32079	2.83213	3.89146	2.50391	4.0419	4.00511	2.54294	6.07288	4.26007	4.57261
ZC3H7B	6.72663	8.03759	7.7028	11.3455	14.1965	15.1618	7.57773	5.59642	3.50894	4.52755	4.17798	4.43597	9.20138	7.11696	8.03436
ZC3H8	2.27968	2.51655	2.30367	2.37901	0.694778	2.24825	1.25201	1.94905	1.88021	1.37629	1.51476	1.58987	2.02938	1.56096	0.849557
ZC3HAV1	4.56519	4.27462	4.12501	8.52956	3.30141	6.98309	3.78584	4.50623	3.50482	4.35543	5.28975	3.58391	10.615	4.73971	6.70534
ZC3HAV1L	2.42916	2.74155	2.87238	2.89787	2.95304	3.77708	3.15038	1.68952	0.836083	1.60727	3.90469	1.47363	2.26575	3.18087	2.21828
ZC3HC1	1.51382	1.32062	1.03413	3.12006	2.29804	3.62286	1.41417	1.2842	0.642487	1.71287	3.27541	1.23909	2.1458	2.18176	1.91051
ZC4H2	1.19242	0.875799	0.47518	0.726802	1.05035	1.12057	0.821858	0.536322	1.88613	0.748302	1.33788	0.671119	0.689592	0.608008	0.814463
ZCCHC10	1.08886	0.906596	0.829667	1.79143	0.385752	1.78924	0.55618	1.07804	0.942236	1.55844	2.97593	0.922629	1.94736	1.47264	1.19338
ZCCHC12	0	0.00488422	0.0167723	0	0.0157465	0.0431581	0	0	0.0246918	0.0254463	0.0572177	0.00725338	0	0.0211924	0
ZCCHC13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZCCHC14	5.22401	5.53258	6.12791	4.43448	4.97806	8.45724	6.84783	4.87778	2.602	4.45518	6.63064	3.54384	5.81845	5.28208	8.13716
ZCCHC17	5.30086	3.91232	3.53809	6.65453	3.1252	7.67313	3.41132	3.27625	6.49986	7.34865	11.0024	4.3446	5.96181	4.74127	4.25619
ZCCHC18	0.125863	0.106125	0.136661	0.0486395	0.109974	0.113869	0.10778	0.104865	0	0.0493659	0.0888022	0.0168859	0.0101508	0.111006	0.135566
ZCCHC2	2.3258	2.18292	2.69323	2.42725	1.35251	3.01837	2.10287	2.17717	1.43786	1.55589	1.46272	0.781409	1.31398	1.48397	1.51325
ZCCHC23	0.0593107	0.137169	0.196264	0.0244486	0.018426	0.0202009	0.0677191	0.0737946	0	0	0	0.0169754	0	0	0
ZCCHC24	6.40177	3.18397	3.83222	3.85482	6.86759	20.5013	7.41115	3.12831	1.22894	5.3075	8.18048	1.82017	6.2077	4.61993	12.3549
ZCCHC3	2.64133	2.21801	2.55968	3.04169	4.32432	4.36959	2.21157	1.70652	1.55225	2.07328	2.36645	0.94197	3.35424	2.44103	2.75765
ZCCHC4	1.62861	1.17848	1.3125	1.44299	0.802812	1.25881	1.28312	1.20169	0.783137	0.867409	1.42466	0.769708	1.25239	1.07732	0.863057
ZCCHC7	4.23559	4.13434	3.78896	4.09864	2.20122	4.17987	2.52083	3.48591	3.72822	3.90109	4.54281	3.33877	3.06111	3.37169	3.74416
ZCCHC8	2.02185	2.66874	2.59449	2.50513	1.88437	2.55433	1.6213	1.82609	2.10161	2.73827	2.9406	2.33487	2.96692	3.01772	1.93125
ZCCHC9	2.2238	2.85308	2.85579	4.51676	2.51041	4.77789	1.60906	2.17166	7.16452	4.62479	5.64839	3.41366	5.6307	3.53406	2.52522
ZCRB1	5.84852	4.53525	4.94213	5.06998	3.15822	7.84393	3.36748	3.94845	6.22102	6.66315	12.6803	3.20593	5.32815	3.67327	4.18158
ZCWPW1	0.731129	0.898738	1.0546	0.482981	0.829932	0.877951	0.610031	0.591454	0.308227	0.282351	0.380933	0.248157	0.0907155	0.24005	0.309614

ZCWPW2	0.181236	0.231594	0.228156	0.105565	0.0367203	0.201287	0.0989662	0.210088	0.163145	0.10879	0.222384	0.118403	0.0762604	0.111195	0.113164
ZDBF2	0.876814	1.019	0.827423	1.28272	0.533847	0.83101	0.576021	0.888881	0.657353	0.978831	0.920179	0.926887	0.633942	0.732295	0.740343
ZDHHHC1	2.64523	2.84274	3.23295	2.109	4.78533	5.67266	3.97727	1.88649	1.63068	2.13138	4.47306	2.52364	2.64783	2.22454	3.34552
ZDHHHC11	0.506199	1.16813	1.96158	0.183036	0.441432	0.34028	1.58179	0.844488	0.0432627	0.624185	0.0501259	1.04847	0.670383	0.273844	0.816242
ZDHHHC11B	0.542647	1.46252	2.01661	0.100484	0.362192	0.111904	2.37665	1.20188	0	0.57998	0	1.36808	0.188733	0.166178	0.316595
ZDHHHC12	5.20029	5.48408	4.35905	10.6117	13.8019	14.3544	7.68735	4.05537	11.4085	7.78041	14.8511	8.46453	11.5988	7.55974	3.41266
ZDHHHC13	3.30887	4.68198	4.58583	13.3946	2.11205	3.86184	3.37628	3.33781	14.0232	17.1251	16.111	13.3006	22.7053	8.60192	3.7688
ZDHHHC14	1.21237	1.05225	1.52505	2.85819	2.08962	3.43635	1.87727	0.833923	0.566342	1.59461	1.85607	1.59237	2.61453	1.63618	2.15851
ZDHHHC15	0.43626	0.23583	0.143775	0.124274	0.0716228	0.314088	0.263227	0.318365	0.00431964	0.0445163	0.108106	0.0304542	0.0205956	0.0889789	0.0967802
ZDHHHC16	2.24863	3.09472	3.39813	5.59817	5.39497	6.21796	3.68589	1.97861	3.19952	5.32318	8.65827	3.47279	5.49438	5.57943	4.25246
ZDHHHC17	3.7296	2.30808	2.82896	2.39094	0.594388	2.71381	1.91903	2.9616	0.873059	2.33445	2.97454	1.20955	1.96256	2.22014	3.25546
ZDHHHC18	3.87069	4.92704	4.75742	7.74979	8.70384	8.77008	5.93466	3.47926	7.38986	11.0673	11.6854	7.33808	15.7119	9.4599	5.78115
ZDHHHC19	0.0139332	0.0134265	0	0.50255	0.0432862	0.0237279	0.0159085	0.037148	0	0	0.0943731	0.00996958	0.00898963	0.0072821	0
ZDHHHC2	1.72228	0.51345	0.529842	0.654476	0.551778	1.26943	0.817301	1.22449	0.15076	0.72955	1.34274	0.127084	0.767423	0.641345	0.842503
ZDHHHC20	6.69631	7.34916	7.02062	7.81032	3.75905	5.45839	5.63964	9.19922	12.7327	11.2807	16.6156	6.49636	10.3572	6.57941	8.62894
ZDHHHC21	1.8401	1.63756	1.27376	3.02966	0.598847	1.38153	1.56897	3.02891	3.04468	4.65463	2.96367	3.65881	4.75341	2.43517	1.8308
ZDHHHC22	0.0769298	0.0247106	0.010607	0.0198196	0	0.0272936	0.0292787	0.0170922	0.0156153	0	0	0.00458711	0	0.0201034	0
ZDHHHC23	0.942493	1.0498	1.2066	0.73122	0.929623	0.979503	1.35844	0.808946	2.34808	0.67917	0.934503	0.658994	0.44393	0.453256	0.396283
ZDHHHC24	1.72264	1.66198	1.87735	1.85088	2.65402	3.72422	1.93668	1.25648	1.08618	1.05747	2.42187	1.14396	1.48496	1.42559	1.49921
ZDHHHC3	4.60308	5.77642	6.28856	4.06282	6.74473	4.53098	6.00999	4.67482	6.00399	4.61471	5.11932	4.15433	4.36447	3.47357	3.16095
ZDHHHC4	4.148	2.78423	2.47307	5.30645	3.08834	7.41718	3.07028	2.58049	2.14267	4.12904	8.81621	2.0162	3.16538	2.67627	3.75911
ZDHHHC5	15.9311	20.0199	20.3254	29.9584	17.4227	24.559	21.6491	15.57	37.8405	23.2375	22.3901	21.5709	37.7519	19.6473	12.3835
ZDHHHC6	3.26417	2.71945	2.77318	3.73119	1.28562	3.0912	2.10531	2.60461	2.09609	2.5071	3.65502	2.25302	4.5223	3.09456	3.20363
ZDHHHC7	5.50825	5.40672	5.88468	7.17019	7.07341	9.19972	5.74818	3.66358	5.20138	5.99045	7.02426	3.91093	9.24745	6.10511	5.98112
ZDHHHC8	2.80745	3.62196	3.67481	4.99168	7.88987	8.31185	4.75549	2.44579	2.58687	2.59638	3.54457	4.08699	5.15406	4.85566	5.2587
ZDHHHC8P1	0.172574	0.21006	0.270502	0.0374405	0.507916	0.0232017	0.362967	0.145297	0.0221237	0.250797	0.0922805	0.162475	0.439515	0.0474708	0.156529

ZDHH9	4.25097	5.10433	6.51534	5.69099	5.00401	8.91977	10.4601	4.80253	9.39517	4.53153	6.55007	3.21822	6.0393	3.89796	4.92614
ZEB1	4.52786	2.1149	2.96639	1.88997	0.901269	4.79134	2.42485	2.37977	0.414916	2.54321	3.39733	0.75973	2.56644	2.81587	6.12329
ZEB1-AS1	0.605688	0.539297	0.638742	0.36837	0.944338	0.855669	0.481552	0.476341	0.152585	0.285201	0.41847	0.234784	0.258601	0.666083	1.1521
ZEB2	6.24171	2.98553	3.80651	4.03625	3.29835	9.19096	5.06936	4.2907	0.747202	5.15841	8.70109	0.892187	4.413	3.69735	10.9382
ZEB2-AS1	0.178685	0.0309258	0.112422	0.130673	0.465757	0.21116	0.234067	0.113569	0	0	0.493258	7.30E-42	0.039593	0	0
ZER1	5.63769	6.75319	6.6417	5.29929	8.6569	10.4857	8.34895	4.87153	8.46618	4.10901	5.66521	4.80448	5.92338	3.91741	5.55228
ZFAND1	5.01045	3.44108	3.84416	5.19465	1.38085	4.88564	2.68738	3.72569	4.28136	3.89236	6.44303	2.3708	5.05112	3.31031	2.49526
ZFAND2A	3.15937	1.7945	1.57244	8.04692	2.03486	7.7643	3.72458	1.39248	3.94161	7.64053	9.68475	4.63151	13.1585	4.13478	2.32396
ZFAND2B	4.89801	5.44472	5.4557	6.38152	13.7493	9.48807	6.4712	2.75168	12.8039	8.56259	10.0513	5.55738	11.1847	4.81814	2.91415
ZFAND3	8.4226	6.68773	6.75523	12.3434	8.16487	16.1408	8.40367	6.47945	8.41425	9.95247	11.6088	6.42406	15.4022	8.39758	9.55308
ZFAND4	1.29155	1.36691	1.64378	1.12053	0.900228	1.04334	0.88227	1.11839	0.867147	0.665037	0.822462	0.529208	0.740712	0.729832	0.665836
ZFAND5	8.61081	6.06323	5.86912	14.8848	4.47641	11.8257	5.36936	7.4399	8.56984	10.1633	14.0623	6.08938	13.1076	8.08712	8.52097
ZFAND6	5.37051	4.46849	4.56782	7.86836	2.64677	7.42878	4.30952	5.76001	23.1421	10.6524	16.6664	6.21934	8.18247	5.03314	4.42931
ZFAS1	21.8598	14.8712	16.6127	26.564	5.31544	37.9935	11.1557	11.5643	17.3007	29.7816	52.9371	15.0453	17.9821	16.7786	8.5354
ZFAT	0.922087	1.0403	1.07715	1.40794	1.38352	1.43275	1.03844	0.777076	1.01279	0.829163	0.89764	0.897743	1.02591	1.07251	1.26166
ZFAT-AS1	0.596333	0.326113	0.32696	0.253803	0.117588	0.0575483	0.476984	0.16727	2.11E-32	0.10568	0.27749	0.289395	4.40E-28	0.25618	0.238276
ZFC3H1	5.70655	6.59881	6.4621	5.18773	3.26947	4.50667	2.80556	5.09737	2.81148	5.16985	3.6097	4.2914	4.02186	6.58514	4.9497
ZFHX2	0.115942	0.303601	0.333619	0.135066	0.45416	0.201739	0.319436	0.212799	0.0890202	0.0347981	0.0910499	0.140671	0.0471598	0.158078	0.285959
ZFHX3	3.58851	2.47111	2.78397	2.51951	2.79936	6.06132	4.62198	2.70328	0.580517	2.2385	2.24449	1.49843	2.97835	2.29293	5.85465
ZFHX4	2.34946	1.03933	0.929982	1.0833	1.18989	1.49087	1.9499	0.948957	0.276646	0.353774	0.774897	0.403369	0.476045	0.212309	3.73605
ZFHX4-AS1	0.108272	0.0195626	0.0447849	0.0278943	0.126137	0.0806679	0.0309052	0.0240557	0	0	0	0	0	0	0.485911
ZFP1	0.995064	0.762877	0.947441	1.01899	0.418013	1.58799	0.628802	0.773093	0.975597	0.871878	1.77326	0.546311	1.00945	0.785002	1.03358
ZFP14	0.722449	0.895505	0.975668	0.356344	0.407641	0.507371	0.504087	0.760035	0.112803	0.329374	0.637805	0.156847	0.217125	0.354993	0.691684
ZFP2	0.371738	0.353625	0.307528	0.255391	0.103643	0.21102	0.195894	0.347311	0.0696515	0.131596	0.129122	0.122764	0.036899	0.184323	0.273776
ZFP28	0.832409	0.935261	1.01269	0.569478	0.526986	0.67007	0.511148	0.634093	0.268353	0.544327	0.58829	0.280287	0.379105	0.658064	0.532424
ZFP3	1.5614	1.77696	1.80532	1.15548	0.554171	1.223	1.0157	1.58941	0.440136	0.564074	0.711328	0.474075	0.403562	0.77247	0.991435

ZFY	2.02336	1.83065	1.48638	2.25076	0.812953	1.83516	0.155269	1.8861	2.49936	2.71538	2.96798	1.37996	2.64017	2.02241	1.86422
ZFY-AS1	0.132246	0.0424788	0.145871	0	0.0684746	0.0375352	0	0.0391764	0	0.0553274	0	0	0	0	0
ZFYVE1	2.79322	3.10763	3.05858	4.84111	4.81216	6.10599	3.46753	2.36051	3.84095	4.61488	3.70928	3.35768	4.72171	3.59123	3.64674
ZFYVE16	2.39705	2.5626	2.30594	3.0527	0.808484	2.72663	1.50192	2.69768	2.57022	3.61586	4.28501	1.929	2.94752	2.93063	3.79287
ZFYVE19	1.51894	2.37713	1.88501	3.33682	5.72906	3.66661	2.00633	1.15838	3.31596	2.64173	2.74663	1.82153	2.05188	2.70977	1.32153
ZFYVE21	12.2396	13.0522	16.0073	14.1484	11.6412	20.1378	10.9589	9.94946	12.2318	11.0829	19.2605	8.60385	14.7931	9.39072	5.2931
ZFYVE26	4.00907	3.88631	3.97753	4.24239	4.8601	5.03089	5.0745	3.59482	2.55783	3.08633	2.37898	3.3273	3.45244	3.0192	3.36314
ZFYVE27	3.78417	3.7739	3.6804	4.6158	6.67594	5.87189	3.09602	2.51053	2.15256	2.77766	2.19135	2.67524	3.49415	3.545	3.61217
ZFYVE28	0.722234	0.965988	1.08396	1.26081	3.38404	1.3778	1.19413	0.708502	1.37468	1.55537	0.503444	2.053	1.49216	1.15304	1.46797
ZFYVE9	5.70223	5.43261	5.81549	6.20232	3.48073	5.40918	4.95421	5.32109	5.34418	4.92598	3.70136	3.68807	5.3921	3.96747	3.67232
ZG16	0	0	0.0211904	0	0	0	0	0	0	0	0	0	0	0	0
ZG16B	2.90686	1.97965	3.69963	0.230431	2.25768	1.26137	1.88287	5.56419	0.408487	0	0.157763	0.0399987	0.126235	0	0
ZGLP1	0.210391	0.360426	0.222398	0.168633	0.835182	0.537436	0.120109	0.186978	0.0711758	0.205382	0.2111116	0.192357	0.0226239	0.219919	0.386079
ZGPAT	3.05736	3.77762	3.57231	6.10031	11.0181	6.88382	3.68712	1.84296	4.5303	3.09323	2.0205	4.35591	6.29986	5.0977	3.48421
ZGRF1	0.648967	0.555879	0.659016	0.866937	0.0906729	0.555511	0.50182	0.555387	0.217456	0.465441	0.627945	0.282543	0.423141	0.563504	0.591745
ZHX1	5.83257	6.33104	5.78599	5.67071	1.93988	5.95702	3.33641	5.86195	11.8165	6.54448	6.88495	4.77885	8.10411	5.49507	3.45765
ZHX1-C8orf76	1.04258	1.11568	1.10178	0.833774	2.54207	0.634399	1.08931	1.01816	0.833019	0.502892	1.39934	0.594258	0.226614	0.685731	0.490168
ZHX2	3.05092	3.13484	3.63346	3.84572	4.59601	5.97596	4.48289	2.65682	1.92019	2.49928	2.76801	1.86071	3.97657	3.13561	6.21935
ZHX3	5.98555	4.36384	4.46493	3.15576	5.81102	6.10056	6.36598	4.601	8.55076	3.60506	3.36278	4.79829	4.10994	3.49272	3.81564
ZIC1	0.0442421	0.0810028	0.161041	0.0638299	0.0755956	0.0339044	0.21216	0.137615	0	0.0166585	0.00998877	0.00949693	0.00285448	0.00924915	0.0571835
ZIC2	0.131188	0.0929533	0.0255359	0	0.179806	0.0262834	0.0792984	0.164596	0.33834	0.0387421	0.078403	0.13252	0.00995784	0.020166	0.0443299
ZIC3	0.0101305	0	0	0	0	0	0.00578332	0	0	0	0	0	0	0	0
ZIC4	0.0311062	0.0385392	0.0624951	0.0228971	0.020708	0.018919	0.0710322	0.0789847	0	0.00557736	0	0	0	0.0023225	0.0701997
ZIC5	0.00923321	0.00667306	0	0	0	0.0157239	0.0105422	0	0.00562251	0	0	0	0	0	0
ZIK1	0.800592	0.30478	0.441538	0.198619	0.383826	0.471295	0.33291	0.478725	0.156487	0.35355	0.630407	0.141443	0.411317	0.402927	0.496806
ZIM2	0.233877	0.0510172	0.0665912	1.17E-17	0.59647	0.105348	0.108594	0.101244	1.65E-11	7.31E-26	0.0482627	0.0306535	4.68E-27	0.0375889	1.78E-24

ZIM2-AS1	0.0107592	0	0.0267023	0.0110877	0.0167128	0.00916132	0.0122845	0	0	0	0	0	0	0	0
ZIM3	0	0	0.014576	0	0	0	0	0	0	0	0	0	0	0	0
ZKSCAN1	8.72391	8.55006	8.62994	7.53052	5.55802	9.32365	6.71577	7.31234	5.28666	6.18517	4.66932	5.47848	6.10496	5.96003	5.38451
ZKSCAN2	0.652786	0.499167	0.49167	0.706183	0.423762	1.15869	0.526552	0.531075	0.324336	0.505447	0.623261	0.388076	0.683098	0.516005	0.718271
ZKSCAN3	0.982504	1.21732	1.19385	0.658738	1.07152	0.980326	0.782767	0.955886	0.23893	0.533907	0.507086	0.457658	0.380527	0.667657	0.634297
ZKSCAN4	0.971744	0.698809	0.774415	0.62946	0.668182	0.951624	0.492708	0.798306	0.383241	0.598134	0.816669	0.416267	0.438165	0.504131	0.964436
ZKSCAN5	1.20451	1.18798	1.00497	1.724	1.04745	2.23095	1.10492	1.02929	0.946626	1.53763	1.65028	0.913423	1.62071	1.61149	1.70765
ZKSCAN7	0.290102	0.274742	0.251992	0.48855	0.462294	0.700668	0.293519	0.184529	0.0357731	0.377327	0.77362	0.19458	0.205158	0.415703	0.619979
ZKSCAN8	3.72923	2.79913	3.17869	1.86951	1.05495	3.15711	2.79083	3.72475	0.394934	1.33235	1.83381	0.829616	1.12704	1.67723	3.06663
ZMAT1	1.01105	0.695914	0.72152	0.188919	0.112179	0.47302	0.291768	0.552946	0.0338282	0.11853	0.206948	0.0556487	0.071684	0.113233	0.247318
ZMAT2	11.4861	9.40881	8.52484	16.5304	12.0273	15.3915	7.10165	8.95564	14.3528	14.2198	15.8103	8.67692	14.7481	8.31663	6.68406
ZMAT3	2.58897	2.10664	2.10971	2.32952	1.44201	3.6211	2.05826	2.94599	4.50307	3.56928	6.43693	2.79617	2.95924	2.2879	3.32871
ZMAT4	0.0750484	0.0180797	0.0310427	0	0	0	0	0	0.0114251	0	0.0847203	0	0	0.0294177	0
ZMAT5	1.97518	2.36373	2.12618	9.3023	7.36065	5.08894	4.17214	1.62554	3.86261	27.5496	15.168	11.034	34.5627	11.6832	5.90899
ZMIZ1	12.198	11.0636	12.2527	14.073	16.8159	22.6952	22.3074	13.4159	13.5313	11.4842	11.8715	10.1395	22.8809	9.82855	15.9825
ZMIZ1-AS1	0.84658	0.857039	0.542969	0.205853	0.591026	0.631758	0.705943	0.380412	0.868855	0.119387	0.257713	0.122512	0.0613719	0.0795434	0.21857
ZMIZ2	5.64247	9.5538	10.343	8.56633	14.5067	15.8507	10.5361	7.55741	7.2074	5.13019	6.58535	7.96994	9.32501	6.81994	7.93742
ZMPSTE24	5.01616	4.12205	3.98639	8.88425	2.35118	8.9035	3.58999	4.91283	8.10393	11.426	12.2002	6.38311	15.3941	8.28155	8.56899
ZMYM1	0.832555	1.10552	1.17251	1.72105	0.277124	0.928334	0.667673	1.2552	0.95964	1.13202	1.47131	0.602807	1.25657	1.08005	1.01773
ZMYM2	5.91185	5.46863	5.69517	4.55565	1.4565	4.95039	3.8485	5.53718	3.02033	4.65097	4.67443	2.64273	3.53883	4.36887	4.1571
ZMYM3	2.42349	2.43211	2.54692	2.92221	3.19001	3.97421	2.51771	2.0912	1.28273	1.36171	1.70194	1.80466	1.79091	1.54831	2.10446
ZMYM4	4.65139	4.74517	4.70694	5.78015	2.1461	5.82204	2.5247	3.72706	3.29312	4.6376	5.43459	3.36713	4.52851	4.63484	5.25668
ZMYM4-AS1	0.180836	0.0484034	0.486657	0.443569	0.175498	0.0813292	0.437673	0.612419	0.229262	0.274158	0.309507	0.0657006	9.90E-22	0.267432	2.53E-17
ZMYM5	1.74023	1.83435	2.05742	1.42232	0.704276	1.5272	0.829794	1.80137	1.04752	2.19253	1.75375	0.915994	1.3895	1.62389	1.015
ZMYM6	2.85239	2.53405	2.40064	2.19301	0.691867	1.73155	1.70544	2.60694	2.33967	2.12883	2.1382	1.87034	2.05515	2.0175	1.99651
ZMYND10	0.147722	0.172005	0.122206	0.0634298	0.267706	0.199156	0.323272	0.0109402	0.299847	0.030901	0.264036	0.0880823	0.0238273	0.0965072	0.0530367

ZMYND11	6.77462	5.75749	5.94075	5.93653	3.48289	7.86003	4.04719	6.40922	4.98241	4.61348	6.2563	3.89357	6.33371	4.58925	5.91915
ZMYND12	0.156548	0.137532	0.0971308	0.255435	0.0810578	0.233273	0.104266	0.0927514	0.206546	0.0163737	0.235631	0.12122	0.0841701	0.0409095	0.074941
ZMYND15	0.463239	0.387176	0.586568	0.691716	0.675515	1.28797	0.313029	0.361278	0.287843	0.450891	0.67235	0.351754	0.408672	0.360693	1.059
ZMYND19	3.61505	4.60678	4.01079	6.96338	8.6068	7.5228	4.01182	2.95753	9.11404	3.90119	7.38001	4.65357	5.25337	5.42976	2.13489
ZMYND8	4.4884	4.30859	4.51773	4.36689	3.38457	8.63853	3.71992	4.81663	3.29404	3.19197	2.80887	3.06648	3.06219	2.72842	2.48755
ZNF10	1.31405	1.07379	1.0349	0.574167	0.310258	0.371474	0.474107	0.976296	0.320073	0.560751	0.551824	0.507729	0.172955	0.568654	0.868085
ZNF100	1.81727	0.903033	1.10505	0.896361	0.136719	0.815574	0.691635	1.19173	0.561191	0.656317	1.204	0.503822	0.591259	0.752254	0.691494
ZNF101	1.54515	1.10614	1.11293	1.29093	1.68843	1.58545	0.801401	1.1826	0.896383	0.880951	1.90935	0.687073	1.69193	0.957865	1.28102
ZNF106	8.85239	6.26069	6.83805	6.31912	5.01183	7.62199	6.37176	6.96564	3.16517	4.72876	6.03029	2.90054	5.99139	4.24056	7.87533
ZNF107	1.65204	2.56547	2.74333	1.32774	0.617233	0.50239	1.4738	2.88074	1.2377	0.601491	1.05209	1.027	0.665016	0.770291	0.843879
ZNF112	0.908978	1.10642	1.00428	0.50534	0.371567	0.855454	0.42333	0.765307	0.349589	0.84814	0.816847	0.308083	0.474576	0.821998	0.798703
ZNF114	0.181779	0.0924111	0.103438	0.134743	0.0891314	0.160042	0.0762479	0.139425	0.030436	0.0925099	0.101477	0.0184124	0.0474527	0.0651628	0.272817
ZNF117	0.91165	1.49627	1.73382	1.47707	0.347821	0.523587	0.498381	1.52073	1.51828	1.36213	0.866194	1.27986	0.446304	1.01278	2.21372
ZNF12	4.47501	3.56342	3.78524	3.58944	2.29342	4.05561	2.20765	3.64392	3.09523	3.55127	5.00527	1.83159	2.67196	3.16302	3.28229
ZNF121	6.75637	6.50407	6.59519	8.78517	1.88867	5.21179	4.35405	6.20099	6.22606	5.58395	7.78311	4.68608	10.3141	8.34048	3.09544
ZNF124	1.5371	1.39805	1.66324	1.77158	0.730536	1.14454	1.07285	1.26305	0.662028	1.12944	2.02754	0.723136	0.808345	1.19977	1.57586
ZNF131	2.94204	2.86703	2.78036	3.2003	1.52334	3.19662	1.82536	2.57833	2.92991	3.1733	3.85744	2.20744	3.02525	2.83503	2.5967
ZNF132	0.50394	0.901325	0.915905	0.629484	0.818374	0.708662	0.758458	0.760004	0.585845	0.795412	0.939523	0.721165	0.576383	0.778171	0.58117
ZNF133	2.77608	2.37172	2.29657	2.40031	4.11239	2.62901	1.56936	1.4141	2.71301	2.51548	2.01025	2.23829	1.68627	2.77441	2.00313
ZNF134	2.81558	2.33171	3.05011	1.78631	1.5282	2.28175	1.77051	2.32739	1.58616	1.7875	1.76639	0.720706	2.05841	1.84861	1.48689
ZNF135	0.701305	0.772341	1.01299	0.372829	1.04614	0.582934	0.502043	0.657887	0.0677865	0.202588	0.251329	0.151337	0.0466843	0.351987	0.399668
ZNF136	2.0135	1.65633	1.89932	1.14503	0.705633	1.12382	0.925191	1.34753	0.598104	0.947684	1.30282	0.456813	1.20009	0.952885	1.56925
ZNF137P	0.232921	0.480323	0.439331	0.259235	0.202612	0.364926	0.170203	0.488522	0.0340406	0.304034	0.273457	0.146662	0.282526	0.326249	0.521827
ZNF138	1.95661	2.13744	2.07449	0.991326	0.319161	0.544738	0.767767	2.03767	0.767768	0.750203	0.795999	0.92576	0.512188	0.563777	0.482853
ZNF14	2.17918	1.38866	1.41508	0.829061	0.691563	0.678371	0.579669	1.47854	0.285376	0.725437	1.57829	0.318559	0.569454	0.579673	1.15536
ZNF140	1.78708	2.3159	2.29973	2.30028	1.07422	1.75488	1.28993	1.83161	1.67613	1.79609	2.78261	0.965153	1.54619	1.64614	1.25865

ZNF141	1.536	1.33466	1.46508	0.763796	0.482146	0.716312	1.01185	1.60999	0.2844	0.546131	0.576348	0.423431	0.315367	0.699125	0.970677
ZNF142	2.17953	2.76576	2.70611	2.56364	3.68545	4.24916	3.44237	2.13167	1.67314	1.67767	1.42092	2.38841	3.10231	3.19417	2.68748
ZNF143	2.20671	2.1189	2.37777	3.60132	0.902693	3.00238	1.38979	1.64708	2.03717	3.03579	3.6879	1.30925	5.63429	2.77866	2.21049
ZNF146	6.57803	5.9311	5.89858	8.09624	2.26547	7.44091	2.80953	4.70988	5.20442	6.21466	7.85939	3.60303	7.68282	6.26413	5.78362
ZNF148	3.07487	2.42945	2.60442	2.31845	0.891466	2.37934	1.80877	2.96734	1.34653	2.39333	2.85847	1.36181	2.60851	2.08525	2.34092
ZNF154	1.64351	1.50472	1.80268	0.3208	0.800718	0.364821	1.23826	1.63018	0.167141	0.256272	0.188933	0.522124	0.125259	0.990179	0.855666
ZNF155	1.22699	1.05477	1.12397	0.899234	0.700887	1.40131	0.662003	0.877503	1.21895	0.844184	0.777701	0.716148	1.14331	1.00895	1.14687
ZNF157	0.136537	0.0394714	0.112953	0.0562822	0.148463	0.0581298	0.0155894	0.08494	0	0.0171368	0.0770667	0.0195392	0.0352372	0	0.0196085
ZNF16	2.19399	2.45946	2.22486	2.42507	3.03698	2.3578	2.56563	1.87908	3.74947	2.30954	2.83627	2.37377	1.50117	1.59518	1.5119
ZNF160	3.87205	3.75579	4.24049	2.69376	1.49211	3.61547	2.10615	2.98787	1.53222	2.27787	2.53819	1.52974	1.66183	2.68345	2.83226
ZNF165	0.321296	0.295537	0.209417	1.03345	0.272227	0.364772	0.211214	0.164402	2.6324	1.29532	0.824325	1.58837	1.6207	1.16529	0.573282
ZNF169	0.625939	0.627301	0.759471	0.40423	0.414848	0.362426	0.581271	0.504363	0.1423	0.188548	0.339171	0.262754	0.129233	0.401295	0.479428
ZNF17	2.44726	2.34601	2.33978	1.72785	1.11807	1.65118	1.46961	2.21254	1.43352	1.3923	1.72068	1.02398	1.42597	1.41181	1.5323
ZNF174	1.20456	1.17224	1.01623	0.921783	1.38943	1.53342	1.15065	0.906226	0.457535	0.785861	1.07034	0.52055	0.62328	0.673188	0.608034
ZNF175	1.26326	0.873289	0.809607	0.874742	0.690286	1.16068	0.735425	1.01618	0.297971	0.676821	1.01459	0.48946	0.589539	0.657623	1.21902
ZNF177	0.412984	0.167567	0.219293	0.127881	0.0154319	0.476927	0.0744452	0.0264776	0.0205016	0.179969	0.138648	0.00587698	1.70E-11	0.15683	0.188977
ZNF18	2.20642	1.92684	1.89912	1.88925	1.96567	2.41058	1.74123	1.93204	1.07684	1.17084	1.61168	1.29434	1.14095	1.35243	1.35136
ZNF180	1.11022	0.906934	0.972725	1.13371	0.587917	1.11292	0.818187	0.861096	0.854296	1.00708	1.76032	0.668012	1.06795	0.923127	0.862435
ZNF181	1.19138	1.20685	1.41715	0.941903	0.343218	1.25277	0.689477	1.1186	0.544419	1.34549	2.1782	0.437695	0.738746	0.809945	0.998885
ZNF182	0.911852	0.956035	0.903092	0.767634	0.588512	1.07716	0.39592	0.599223	0.305005	0.564174	1.07286	0.510017	0.443313	0.69808	0.986762
ZNF184	0.948342	0.964619	1.0199	0.74202	0.452843	0.84339	0.609568	0.820956	0.804204	0.872862	1.32036	0.540338	0.586937	0.594774	0.605306
ZNF185	8.99604	13.6395	12.5954	33.7031	18.9176	22.1319	14.126	9.66697	35.9315	65.0108	24.0994	43.5808	113.265	28.961	15.7883
ZNF189	2.18558	2.42265	2.81748	2.41121	1.07264	3.16256	1.2324	2.07345	0.930812	2.18777	2.53537	0.925834	1.46204	2.03228	3.09063
ZNF19	0.936522	0.57725	0.572343	0.539072	0.275221	0.574729	0.443129	0.644847	0.143857	0.180021	0.695286	0.247517	0.353834	0.304263	0.64219
ZNF192P1	0.168415	0.0676208	0.058052	0.130168	0.109003	0.0478011	0.0160242	0.0498911	0	0.140919	0.0950599	0.0100421	0	0.183377	0.0604664
ZNF195	1.66245	1.35205	1.30291	1.97727	0.766941	2.0914	0.763534	1.11086	0.783992	1.65512	2.22946	1.02854	1.31051	1.72141	1.56174

ZNF197	1.69889	1.52246	1.50711	1.38127	0.873449	1.46239	0.967126	1.25634	0.781039	1.13442	1.32238	0.675077	1.10049	0.660052	1.22718
ZNF197-AS1	0.0742955	0.143187	0.122925	0.0765637	0.0577033	0.0948925	0.169656	0.0990415	0	0.186497	0.0419352	0.0531604	0.0479351	0.0970752	0.0533489
ZNF2	0.758196	0.770514	0.756049	0.810003	0.946839	1.03251	0.831596	0.546509	0.626917	0.817753	0.889441	0.572884	0.478657	0.742794	0.783514
ZNF20	0.649167	1.08021	0.879175	1.11307	0.294985	0.709315	0.406501	0.806151	1.17559	0.805856	0.890505	0.543674	0.639691	0.646388	0.606711
ZNF200	0.911044	0.646239	0.68564	1.62344	0.815686	1.60536	0.548995	0.849019	0.724289	1.31815	1.69981	0.611134	1.70626	1.25651	1.11757
ZNF202	1.2325	1.31992	1.20811	1.69706	1.69731	1.60947	0.786393	1.03551	0.996493	1.18294	0.947048	0.852244	1.19281	1.75114	1.123
ZNF204P	0.74566	1.50628	1.35709	0.398442	0.377509	0.286889	0.485596	0.657771	0.174899	0.180243	0.280585	0.494017	0.17462	0.242489	0.222105
ZNF205	1.84005	1.90619	1.84652	2.61571	4.58502	4.43168	2.29589	1.20645	1.54568	1.96716	1.98508	1.61068	2.75803	2.23126	1.21822
ZNF205-AS1	0.188072	0.293011	0.227319	0.130631	0.0319276	0.201377	0.405966	0.226847	0.0539642	0.151062	0.0238571	0.0891674	0	0.094809	0.20916
ZNF207	27.845	26.3418	25.475	38.0163	11.0185	35.8911	23.1711	25.2431	30.3943	31.672	40.925	23.3386	41.9414	31.434	24.8523
ZNF208	0.411056	0.150672	0.115521	0.0628314	0.116093	0.068662	0.0920696	0.227228	0.00718594	0.0345591	0.0288632	0.0379966	0.0444134	0.0719546	0.240086
ZNF211	1.46516	1.65331	1.77533	0.841948	1.3114	1.74845	1.07586	1.12785	1.18739	1.10062	1.61095	0.904164	0.695808	1.21553	1.22808
ZNF212	2.56138	2.19442	1.92818	4.22672	4.58	3.38018	2.17222	1.88841	2.93893	3.9694	1.98964	2.99956	5.51041	2.74195	1.99891
ZNF213	2.4869	2.60924	2.64756	3.88625	5.82616	4.73271	3.14202	1.85386	3.36805	1.98706	1.59546	1.76971	3.17401	1.81468	1.78575
ZNF213-AS1	0.63772	0.872231	0.578622	0.529991	0.894734	0.437911	0.540224	0.457058	0.175377	0.180736	0.487678	0.235512	0.106182	0.322549	0.206804
ZNF214	0.152139	0.161698	0.129562	0.272066	0.118162	0.392443	0.0255452	0.107372	0.0926442	0.230264	0.308133	0.112061	0.207867	0.135642	0.23777
ZNF215	0.240064	0.175724	0.0763837	0.570906	0.129081	0.542475	0.0843375	0.151806	0.376708	0.504106	0.745255	0.422823	0.637423	0.533238	0.411062
ZNF217	5.77036	6.14029	6.65593	10.8096	4.14675	9.69738	4.98937	7.32915	5.5771	7.63416	8.69772	4.7254	10.2919	6.71213	7.69715
ZNF219	6.03536	7.80859	8.54963	8.3041	16.9711	17.7168	8.18245	3.94128	6.57579	5.58632	4.78653	5.2474	7.13595	5.17117	3.38565
ZNF22	3.37065	2.24632	2.2933	4.05789	0.929719	5.18579	1.57057	3.00489	1.67528	3.99329	9.36445	0.901605	3.84134	2.61778	5.08196
ZNF221	0.404862	0.716763	0.529658	0.397817	0.365634	0.761623	0.268755	0.309602	0.275206	0.449057	0.637729	0.235794	0.291589	0.703689	1.244
ZNF222	0.689828	0.384506	0.38045	0.27878	0.189095	0.771655	0.432421	0.44477	0.428303	1.00162	1.08411	0.135495	0.523616	0.459504	0.582753
ZNF223	0.908884	0.97263	0.831039	0.670431	1.07	0.733171	0.447864	0.60368	0.570937	0.7685	1.50122	0.397044	0.438262	0.820039	0.741944
ZNF224	3.38533	2.70921	2.60253	1.50979	1.22194	2.00578	1.62525	2.37923	0.807495	1.39157	1.68102	1.12702	0.877536	1.37589	2.34318
ZNF225	0.717769	0.581191	0.585542	0.565035	0.433589	0.789429	0.335778	0.615744	0.224611	0.456692	0.658345	0.242525	0.47918	0.507999	0.544036
ZNF226	1.70695	2.10709	2.16195	1.34316	1.00715	1.65062	0.876267	1.48171	1.6357	1.46148	2.80077	0.639087	0.623225	1.43501	1.75778

ZNF227	2.57637	2.20523	2.39396	1.84863	1.35311	2.49547	1.49188	2.14533	1.35758	1.77895	1.96671	1.19376	1.33838	1.7825	2.01432
ZNF229	0.147811	0.227897	0.237573	0.282887	0.439524	0.151031	0.110904	0.142622	0.144014	0.466447	0.648373	0.274984	0.689368	0.682031	0.236536
ZNF23	1.62586	1.13736	1.24936	1.43013	0.581189	1.74933	0.621375	0.85245	0.753936	1.33196	1.34391	0.798283	0.978775	1.10574	1.61199
ZNF230	0.560093	0.477655	0.528217	0.542561	0.217505	0.59614	0.492412	0.388256	0.341065	0.576439	0.790344	0.204388	0.480621	0.354202	0.514793
ZNF232	0.811857	0.847808	0.713361	1.20729	0.616249	1.18131	1.35047	0.403216	0.713402	0.651401	0.855443	0.497765	0.876202	0.708977	0.546068
ZNF233	0.415191	0.377863	0.349836	0.182239	0.358297	0.144031	0.175575	0.362154	0.14046	0.328105	0.199631	0.291579	0.0595287	0.289329	0.353343
ZNF234	0.940815	1.48353	1.45673	1.20285	0.898729	1.42654	0.706554	1.08204	0.82106	0.884037	1.02231	0.691177	0.619993	1.51983	1.10547
ZNF235	0.979408	0.922814	0.984286	0.725207	0.766314	0.704227	0.63782	0.722123	0.724521	1.293	0.876314	0.53987	0.304253	1.0086	1.16692
ZNF236	2.63151	2.50172	2.46722	2.10822	1.65264	2.48164	2.37457	2.23053	1.3233	1.92131	1.57796	1.84849	1.59926	1.96393	2.2228
ZNF236-DT	0.214453	0.275538	0.162626	0.257833	0.444159	0.563029	0.285665	0.111176	0.0652949	0.0897202	0.625401	0.0639362	0.138364	0.196144	0.128326
ZNF239	0.197877	0.103631	0.142346	0.265981	0.13364	0.534773	0.186638	0.129981	0.0419117	0.161972	0.602152	0.0861831	0.0777119	0.202342	0.383021
ZNF24	6.07624	5.05745	5.51175	5.65388	2.59973	6.10574	3.97192	5.72848	6.52168	6.04307	6.89541	4.10362	7.53806	5.4433	4.35293
ZNF248	1.17154	1.17951	1.23249	0.516421	0.73108	0.838983	0.771263	0.892216	0.216495	0.450471	0.554238	0.482127	0.164938	0.662734	0.967671
ZNF25	2.11604	1.32155	1.34232	0.911654	0.600764	1.68822	0.959304	1.37091	0.552235	1.3335	2.0224	0.445318	0.625264	0.855006	1.24493
ZNF250	1.52835	2.18094	2.06331	1.19298	3.75895	1.36781	1.79328	1.5779	2.93855	2.7345	1.8024	2.7386	1.14553	1.34748	1.23288
ZNF251	2.82458	3.20021	3.29174	1.15005	2.30734	2.57548	2.05627	2.16825	1.16229	1.29441	1.43356	1.64659	0.983203	1.40384	3.62538
ZNF252P	1.74319	1.918	1.61838	2.0819	0.946727	2.61295	1.00732	1.28406	1.67141	1.85087	2.45379	1.32659	1.46018	1.72189	1.30375
ZNF252P-AS1	0.135883	0.113712	0.159744	0.0515906	0.155528	0.146151	0.0571594	0.0953382	0	0.0987379	0.0161469	0.0460554	0.0184571	0.0635429	0.225958
ZNF253	1.74247	1.60024	1.57688	0.952395	0.403755	0.901689	0.857351	1.56567	0.773816	0.628303	1.30411	0.371968	0.453419	0.900628	0.843352
ZNF254	2.45456	2.0884	2.41737	1.39022	1.02885	1.28554	1.21221	2.54065	1.31675	2.0905	2.42454	2.0316	1.25374	1.72321	2.60883
ZNF256	3.04734	2.36636	2.94547	1.10075	0.910929	1.4891	1.69783	2.15913	0.522901	0.670313	0.981189	0.344677	1.14184	0.788128	1.0377
ZNF257	0.329549	0.182749	0.149173	0.160193	0.0676099	0.238251	0.0709941	0.226564	0.0227181	0.140474	0.315866	0.0667362	0.0682	0.136489	0.196453
ZNF26	1.53835	1.1794	1.36334	0.661381	0.741426	0.763416	0.865334	1.10061	0.498826	0.647646	0.975706	0.42691	0.503552	0.788842	0.829056
ZNF260	1.52158	1.85778	1.78354	1.79449	0.386412	1.69807	0.894687	1.66914	1.50977	2.29481	2.77075	0.863277	1.53276	1.36948	1.51236
ZNF263	3.98751	3.31296	3.3512	3.94952	6.38002	5.30292	3.24166	2.42303	2.91723	3.05943	3.58681	1.92564	3.3409	3.3654	3.13646
ZNF264	4.0928	3.95656	4.38033	2.8236	3.21867	2.93735	3.34739	4.14295	2.94532	3.19451	3.12313	2.34694	3.84006	2.89088	2.84188

ZNF266	5.17155	5.21729	5.40357	4.224	3.69544	2.78597	2.50419	3.36581	3.49583	2.64746	3.2674	2.73992	2.45511	3.39816	3.28749
ZNF267	2.29225	1.742	2.11193	2.23827	0.633237	2.04287	0.984319	2.51824	1.06622	3.35511	4.42093	0.99462	3.48391	2.02234	2.47618
ZNF268	1.55391	1.61902	1.73902	1.91024	0.557494	1.31306	0.702478	1.46861	0.994278	1.46027	2.46654	0.682922	1.39699	1.33571	1.12714
ZNF271P	1.52364	1.25538	1.20079	1.98359	0.490152	1.66967	0.741149	0.921418	1.19133	2.42719	2.68176	1.13536	2.21039	1.68452	1.72202
ZNF273	2.73165	4.90519	4.88387	0.891523	0.798145	0.397335	1.73606	3.68109	0.945054	0.342193	0.331453	0.791212	0.28754	0.345275	0.466845
ZNF274	2.8229	4.10347	4.70368	3.71672	3.80113	3.3774	2.81223	2.53008	3.54512	3.78394	2.87076	2.92394	6.72291	4.07505	2.10168
ZNF275	1.76502	0.772784	0.83586	1.01889	0.73946	2.83742	1.30029	1.09021	0.147172	1.33285	2.14544	0.358963	1.41994	1.3263	2.77671
ZNF276	4.1235	5.60383	5.84194	3.78287	7.99853	4.60404	4.58467	3.90149	2.29348	2.20577	1.98184	3.98583	1.91132	3.61378	3.96774
ZNF277	2.97147	2.53971	2.8786	2.70715	0.722462	2.53017	1.21942	2.68673	2.77975	2.49715	4.39478	1.35582	2.9619	1.98517	2.07804
ZNF28	1.4087	1.38262	1.61108	1.56305	0.474676	1.14433	0.713897	1.1444	0.699856	1.3951	2.08743	0.502067	1.40419	1.14823	1.06718
ZNF280A	0	0.00516713	0	0	0	0.0273948	0.0122447	0	0	0	0.0242128	0	0.00691927	0	0
ZNF280B	0.0807926	0.0369808	0.0601536	0.0124889	0.0125499	0.103191	0.0184493	0.0789819	0.0147595	0.0354911	0.0501627	0.00289046	0.0052127	0.00633386	0.0290071
ZNF280C	1.18303	0.912004	0.87674	1.03628	0.237364	1.25917	0.613464	1.08643	0.46826	0.847588	1.27985	0.557273	0.80145	0.811524	1.11142
ZNF280D	2.94042	2.24544	2.18129	2.05328	0.568732	1.59745	1.52957	2.84274	0.801946	1.69921	2.50555	1.24491	1.19945	1.72666	2.47011
ZNF281	1.576	1.11735	1.28811	2.74588	0.4705	2.72016	0.994277	1.41744	0.726255	3.45713	5.10758	0.877078	4.03063	3.21558	5.21313
ZNF282	4.17242	4.58952	4.65344	12.2178	11.4741	9.73717	4.60158	3.37848	3.91466	7.75049	3.74021	5.77193	14.4772	6.17378	4.27882
ZNF283	1.10724	1.47517	1.45726	1.40902	0.690578	1.36421	0.794923	1.32694	0.939862	1.22126	2.10217	0.876289	1.28806	1.43796	0.891442
ZNF284	0.457436	0.707328	0.836051	0.38918	0.404851	0.620483	0.473701	0.453802	0.41459	0.494018	0.702528	0.350143	0.281408	0.617149	0.679852
ZNF285	0.110506	0.231729	0.0914181	0.439249	0.220697	0.248677	0.0540736	0.0491041	0.0384524	0.307113	0.302957	0.118605	0.178244	0.358907	0.351407
ZNF286A	1.3572	1.41783	1.26029	1.19149	0.760177	1.58117	0.896821	1.04239	1.87946	1.29931	1.97971	1.01767	1.03019	1.42844	1.23687
ZNF286B	0.473698	0.385003	0.399558	0.197104	0.322492	0.31566	0.21247	0.328867	0.133926	0.0842667	0.246879	0.135416	0.0850961	0.277764	0.183711
ZNF287	0.488385	0.540656	0.476174	0.33553	0.406409	0.554472	0.308684	0.335861	0.594797	0.277297	0.626804	0.220488	0.148174	0.206632	0.333992
ZNF292	6.3108	5.19196	5.8914	3.52341	1.00354	3.29269	3.21895	6.2551	2.51603	3.59897	3.73227	2.28085	2.52002	3.19361	3.12367
ZNF295-AS1	0.151372	0.235007	0.250451	0.173325	0.287384	0.214818	0.230442	0.0448422	0.16387	0.295535	0.493653	0.409173	0.0325547	0.413148	0.434778
ZNF296	1.24739	1.78385	1.63572	1.96923	2.47357	3.57058	1.98483	1.40341	4.92925	0.632903	1.25834	1.42427	1.3442	0.839199	0.647956
ZNF3	3.41395	3.07056	3.11723	2.74862	3.02666	3.753	3.27964	2.69473	1.51981	1.81846	2.48642	1.46741	2.14103	2.18871	2.62304

ZNF30	0.694376	0.607921	0.574437	0.610857	0.447227	0.814775	0.348066	0.361231	0.13407	0.467641	0.927254	0.39384	0.262249	0.402743	0.960729
ZNF30-AS1	0	0.026053	0	0	0	0	0.123477	0.0480552	0	0	0	0	0	0	0.388275
ZNF300	0.77306	0.751655	0.725954	0.82537	0.281275	0.759064	0.572533	0.588	0.330797	0.769223	1.37586	0.418596	0.597631	1.08835	0.620118
ZNF300P1	0.344277	0.244209	0.126582	0.354787	0.163405	0.203574	0.196542	0.297466	0.442584	0.372088	0.582968	0.32161	0.308508	0.229916	0.13734
ZNF302	2.46412	2.57948	3.04866	2.08506	1.41944	2.38771	1.38228	2.26761	0.840083	2.08758	2.90785	0.851141	1.33514	1.6863	1.3981
ZNF304	2.37246	1.84808	2.05813	1.79324	1.76376	2.18127	1.96045	1.72286	1.69766	1.39036	1.69864	1.09648	1.56346	1.39675	1.54449
ZNF311	0.0408315	0.0705922	0.0596095	0.075493	0.0354436	0.100212	0.02331	0.0362876	0.0131633	0.0271311	0.0488051	0.029216	0.018596	0.0426807	0.0258702
ZNF316	2.53841	3.45503	3.48318	3.19905	9.91718	5.38723	3.00049	1.80702	2.11032	1.22383	0.891425	2.57577	3.02802	3.08112	2.59867
ZNF317	4.23823	3.63235	4.02778	4.47499	3.87511	5.33154	4.41966	3.55706	3.4723	2.80077	2.16631	2.76972	3.79571	3.43295	3.32285
ZNF318	3.71457	3.66025	3.93146	2.71384	2.86929	4.33207	3.29392	2.7951	1.09137	1.72337	1.96774	1.39409	2.20452	2.67565	3.06376
ZNF319	1.37619	1.27066	1.13395	3.53139	2.86162	3.51543	1.30837	0.901447	2.2236	2.7182	2.12917	2.18125	4.07873	2.28386	1.84253
ZNF32	4.3184	3.74688	3.97145	4.32488	5.28397	4.74892	2.86395	2.76226	6.57007	3.72834	9.35518	2.12073	2.51179	2.42142	2.55731
ZNF32-AS1	0.503225	0.550862	0.333303	1.16E-15	9.45E-20	0.459436	0.220112	0.349951	3.64E-12	5.48E-10	3.73E-14	0.475411	0.138903	0.101324	1.03724
ZNF32-AS2	0.470562	0.508209	0.390149	0.200757	0.217012	0.331356	0.349657	0.473839	0.0315011	0.161544	0.203048	0	0	0.108008	0.719064
ZNF32-AS3	0	0.0173506	0	0	0	0	0	0.0320036	0	0	0.0135506	0	0	0	0
ZNF320	0.701506	0.830237	0.868669	0.67876	0.494967	0.426839	0.456188	0.632543	0.231264	0.43416	0.788881	0.21255	0.376676	0.527263	0.685428
ZNF321P	0.579924	0.610518	0.597809	0.529903	0.154422	0.288321	0.385168	0.694857	0.227501	0.334718	0.227508	0.232893	0.45497	0.390437	0.266504
ZNF322	2.19981	1.83945	2.10162	2.22309	1.0141	3.35147	1.76628	1.63128	1.82066	2.88569	4.81707	1.08997	2.24954	2.24752	2.6225
ZNF324	2.17875	2.76482	2.99435	2.22384	4.81262	3.26019	2.85632	1.92799	2.83871	2.30252	1.51415	2.05724	2.98933	2.0317	1.66648
ZNF324B	0.817728	1.4478	1.61522	1.4073	2.62214	2.00981	1.09175	0.818097	1.07841	0.803824	0.503695	0.932209	0.962999	1.07946	1.1097
ZNF326	3.12852	2.03041	2.28875	1.46349	0.607868	2.01719	1.63589	2.66447	0.589337	0.947987	1.05928	1.04927	1.1511	1.24035	1.56513
ZNF329	1.57994	1.35259	1.5763	1.44649	1.53782	1.58202	0.929059	1.16307	0.966223	1.10639	1.8601	0.596781	0.958119	1.02775	1.41203
ZNF330	3.87749	3.70709	4.06515	5.99383	3.86387	8.79397	2.04654	2.60076	4.60356	4.10146	5.82254	4.87708	6.65563	4.21881	3.02945
ZNF331	1.57842	1.92594	2.15877	1.34277	1.31093	2.27308	1.42724	1.2741	1.27296	0.815477	1.41112	1.23804	1.21432	1.24942	1.63291
ZNF333	1.01272	0.832672	0.771045	0.585286	0.747375	1.18568	0.926724	0.788366	0.286939	0.526301	0.573951	0.342606	0.286747	0.629653	1.32773
ZNF334	0.388546	0.129109	0.114534	0.0644335	0.201182	0.243378	0.0560911	0.226236	0.0543914	0.0448428	0.131082	0	0.0172888	0.109705	0.109035

ZNF335	3.65444	4.88656	4.78639	3.93207	6.20147	6.21014	5.06875	3.48337	3.60234	4.14956	1.85438	4.48579	4.67205	5.05612	4.48676
ZNF337	2.29363	2.87753	3.32275	2.20358	2.12115	1.86889	1.92748	1.66231	1.08908	1.63507	1.26491	1.46525	1.00525	2.1727	2.67796
ZNF337-AS1	0.366565	0.52946	0.625114	0.271185	0.248401	0.179144	0.381757	0.401098	0.0346256	0.235008	0.290533	0.179029	0.165973	0.263187	0.166597
ZNF33A	3.41725	3.22548	3.17815	2.31278	0.824623	2.53961	1.57236	2.82983	1.70363	2.06694	2.47461	1.55022	1.60229	1.82322	2.28415
ZNF33B	1.77119	2.03206	1.82973	1.98881	0.735061	1.772	1.00392	1.56225	0.579374	1.44209	1.77146	0.829995	0.912072	1.06786	1.02946
ZNF33BP1	0.897307	0.630491	1.00522	0.288969	0	0.270599	0.256129	0.631316	0.0455341	0.140777	0.0211031	0.147136	0	0.205175	0.805404
ZNF34	1.1343	1.42332	1.33471	0.597081	1.12816	1.13261	1.07149	0.950055	0.973974	0.622943	0.801457	0.700683	0.400146	0.5075	1.45922
ZNF341	0.782428	0.813169	0.690075	0.919599	1.6272	1.05165	0.967181	0.597662	1.00016	0.827824	0.416083	0.860593	0.817721	0.926008	0.659341
ZNF341-AS1	0.214951	0.103567	0.148185	0.147675	0.445191	0.122019	0.122712	0.191031	1.43982	0.0899285	0.323537	0.230705	0.0693426	0.224686	0.102899
ZNF343	1.86603	1.89777	1.78224	1.51372	1.53802	2.22816	1.44108	1.52783	1.39802	1.07885	1.10546	1.12109	1.14779	1.75718	1.78136
ZNF345	1.18275	1.25597	1.19751	0.739804	0.493581	0.851772	0.483734	0.758278	0.573316	0.531751	1.04954	0.307359	0.159455	0.464386	0.904218
ZNF346	1.77141	1.74085	1.73773	1.15856	1.82101	2.1948	2.02255	1.45597	1.24759	1.34141	1.49039	1.59562	1.19063	1.55399	1.24809
ZNF347	1.58259	1.5347	1.68264	1.03489	0.764205	1.20058	0.996038	1.40188	0.426213	0.80845	1.37413	0.450005	0.634838	0.863674	1.57332
ZNF35	2.7258	1.94895	1.843	2.01673	1.96777	2.14244	1.67581	1.93331	2.38338	2.03953	2.53465	1.58156	2.84656	1.97712	2.91085
ZNF350	3.47986	2.15773	2.78065	1.80324	0.998161	2.06235	1.29806	2.30189	1.36052	1.91082	2.94625	0.735662	1.60097	0.971366	1.56172
ZNF350-AS1	0.25502	0.153591	0.21097	0	0.0495167	0.0814298	0.254777	0.14165	0.0388232	0.0400095	0.0719714	0.0228092	0	0.0499817	0.13734
ZNF354A	1.64152	1.74235	1.55475	2.18602	1.22258	1.9529	0.487819	1.15539	2.22247	2.42444	3.30388	1.48385	1.56463	1.83514	1.68822
ZNF354B	2.71539	2.39441	2.13954	1.76741	1.27807	1.77411	0.900022	1.9891	1.76446	1.83434	2.26998	1.2742	1.23201	1.68663	1.77331
ZNF354C	1.20244	0.842351	0.824591	0.974201	0.559113	0.804945	0.745165	0.938567	0.298668	0.789345	1.37527	0.416039	0.625241	0.733879	1.18153
ZNF358	5.9013	4.90447	5.48977	5.16558	14.4312	18.6566	8.63211	3.41214	3.33378	3.91159	14.5142	2.10279	4.4803	3.86464	8.06658
ZNF362	6.69107	5.56457	6.28734	6.28106	8.05557	12.2639	6.58473	5.84714	1.85121	3.17028	5.91317	2.77235	3.12	2.95185	5.87468
ZNF365	0.0738412	0.220879	0.407244	0.0824368	0.071688	0.0759737	0.101874	0.10117	0.123654	0.409329	0.475832	0.532756	1.54439	0.202611	0.198835
ZNF366	0.892102	0.642967	0.695315	1.00671	0.87611	2.32278	0.631347	0.727303	0.264886	0.712524	0.944651	0.519627	1.07505	1.09627	1.77882
ZNF367	0.525126	0.484943	0.558542	1.25626	0.436983	1.08058	0.60671	0.377795	0.388295	0.761089	0.910374	0.451785	1.4843	0.862569	0.439919
ZNF37A	1.93685	1.61125	1.8484	1.03495	0.609585	1.30966	1.00695	1.55068	0.475371	0.70704	0.82171	0.585748	1.00053	1.27252	1.33927
ZNF37BP	1.38699	1.49401	1.57825	0.602401	0.804832	0.728511	0.749337	0.939829	0.152092	0.393517	0.371938	0.420166	0.272578	0.844329	1.57596

ZNF382	0.270152	0.141997	0.16931	0.0337454	0.0762982	0.292767	0.0934701	0.152784	0.0199403	0.246596	0.536005	0.076149	0.068664	0.183979	0.352703
ZNF383	1.7972	1.26345	1.37189	0.942871	0.837502	1.21032	1.04465	1.54638	0.955107	0.871509	1.02363	0.444236	0.384758	0.947834	1.00894
ZNF384	4.33068	4.57971	4.40603	5.13537	4.97614	7.48729	5.5768	3.84286	4.86486	4.01247	5.04506	3.81563	4.9503	4.54052	4.40185
ZNF385A	17.7575	26.0401	23.4015	26.4098	43.9905	42.9977	44.0823	24.1017	50.0786	29.3082	31.8198	40.3797	46.9634	21.0243	10.7754
ZNF385B	0.0486028	0.0858645	0.0804154	0.0166955	0.289405	0.193128	0.129484	0.0143981	0.10852	0.686268	0.109733	0.292703	0.49912	0.150295	0.180316
ZNF385C	0.347681	0.32215	0.354001	0.0734964	0.304654	0.296046	0.274826	0.221839	0.032572	0.0559455	0.0100638	0.0574096	0.0172555	0.111823	0.268861
ZNF385D	1.81364	0.898454	1.0566	1.56628	0.39679	2.31643	1.15204	0.953466	0.03111	0.705333	2.22039	0.137082	1.15367	1.00129	2.09103
ZNF385D-AS1	0.25293	0.0304663	0.0523103	0.162907	0.0982217	0.0807623	0.108295	0.0561957	0	0	0.214144	0.135733	0	0	0.499453
ZNF385D-AS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZNF391	0.396965	0.399263	0.410497	0.501128	0.439344	0.388712	0.260614	0.33956	0.120865	0.242888	0.375304	0.29114	0.268926	0.230812	0.391938
ZNF394	4.76916	5.02052	5.02535	4.88896	8.12025	6.33099	4.57797	3.82725	6.21626	4.70381	6.33828	3.34545	4.79911	4.04561	3.73892
ZNF395	11.0944	11.8775	14.2416	10.6086	12.1278	29.9324	10.6312	10.1082	4.10282	6.21829	6.17505	4.8037	6.83155	5.50875	4.3743
ZNF396	0.319451	0.222629	0.155732	0.229266	0.115193	0.539158	0.16283	0.202787	0.0486319	0.157513	0.18031	0.0816341	0.0552075	0.0626095	0.213001
ZNF397	2.4873	2.71973	2.78475	2.16457	1.49382	2.49836	1.7799	2.1567	1.31679	1.27013	1.38081	1.46109	1.28666	1.75468	1.59659
ZNF398	3.37693	3.53718	3.75575	4.37784	3.00455	3.08981	3.14841	3.65109	3.15877	3.79199	3.46023	2.85953	4.12289	2.9471	2.02023
ZNF404	0.21359	0.296625	0.23906	0.116529	0.136615	0.0962834	0.172143	0.368475	0.0918099	0.0946153	0.184383	0.134849	0.0810629	0.36116	0.108262
ZNF407	3.55716	2.67013	2.82615	3.12733	1.80999	2.23293	1.88596	2.83351	1.37232	2.19852	1.35876	1.92585	2.44209	3.22303	2.49723
ZNF408	1.54955	1.51516	1.28944	2.13228	3.48306	3.12782	1.42579	0.874873	3.61896	2.07069	2.57243	1.91748	2.82286	1.84363	1.51848
ZNF41	1.53591	1.37256	1.31653	1.43215	0.967664	1.26412	0.750854	1.17618	1.25133	1.12155	1.27666	0.714359	1.43319	1.17998	1.51012
ZNF410	5.79959	5.67639	5.53097	8.98535	6.50157	7.26257	5.51065	4.01508	14.7335	8.60984	8.69069	6.26145	10.5007	6.20696	5.43145
ZNF414	2.74805	3.20636	2.97383	3.59733	5.35315	5.51466	3.833	2.33663	2.40609	2.49826	4.62815	1.63682	2.74101	1.87101	2.58126
ZNF415	0.812287	0.583625	0.689665	0.4112	0.343111	0.637048	0.292877	0.493927	0.12149	0.599182	0.941101	0.132557	0.537875	0.476673	1.05399
ZNF416	2.02422	1.6284	1.93624	1.92771	1.20719	2.02369	2.21833	1.62228	2.94953	2.50658	2.989	1.17682	2.9094	1.78528	1.05121
ZNF417	2.41291	2.82718	3.12392	1.89988	2.23417	1.91234	2.38402	2.31694	0.969507	1.4705	1.73078	1.12024	1.19549	1.94106	2.59721
ZNF418	1.02119	1.1803	1.52823	0.443411	0.873331	0.830447	0.713984	1.09109	0.244546	0.259219	0.310865	0.332503	0.162865	0.425774	0.420192
ZNF419	1.60684	1.5701	1.81185	1.04922	1.13835	1.70832	1.23261	1.18069	1.09192	0.834714	1.89699	0.585714	0.77403	1.19703	1.20603

ZNF420	0.673814	0.64139	0.663474	0.433567	0.255284	0.551354	0.375287	0.604672	0.284218	0.404289	0.526891	0.301039	0.241759	0.395112	0.462599
ZNF423	1.5241	0.829446	1.02308	0.643209	1.40243	1.98988	1.77	0.810115	0.116674	0.404441	0.632494	0.286654	0.678035	0.738906	1.89279
ZNF425	0.467464	0.592531	0.470012	0.785599	1.21767	0.64911	0.262762	0.370703	1.44519	0.983876	0.57642	0.540318	0.58465	0.398425	0.227222
ZNF426	1.62872	1.67899	1.79392	6.32996	1.56408	1.83568	1.36228	1.75323	4.99746	6.2396	7.34032	4.0134	7.22345	5.43426	2.40252
ZNF426-DT	0.299264	0.204269	0.082524	0.1542	0.154953	0.0212349	0.113896	0.0443268	0.151862	0.125202	0.225221	0.071377	0.209174	0.117306	0
ZNF428	4.30657	2.57911	2.41253	5.41906	7.90711	10.3235	2.66461	1.86346	1.58926	3.42403	8.23779	2.29654	3.14621	3.4178	4.27534
ZNF429	0.663862	1.0162	1.09576	0.458291	0.335512	0.730253	0.518615	0.866628	0.371372	0.354814	0.763761	0.429951	0.235679	0.503013	0.702497
ZNF43	1.82216	1.08618	1.17566	0.666056	0.527291	0.586804	0.693496	1.46713	0.734989	0.698807	1.31419	0.356597	0.422028	0.506695	1.24692
ZNF430	2.44481	2.55506	2.36449	1.83178	1.13746	1.42804	1.09229	2.10976	4.29366	2.86837	3.21988	2.32821	2.3432	2.39504	1.48414
ZNF431	1.48404	1.75059	1.92441	1.38642	0.807257	0.881186	1.29462	1.80344	2.8002	2.21093	1.98348	2.26161	1.41669	2.16116	1.54114
ZNF432	2.23289	1.73704	2.2359	1.13615	0.830985	1.13285	1.35971	2.06297	1.04244	2.38213	2.76748	1.14502	1.17053	4.30824	1.85723
ZNF433	1.72184	1.52818	1.37867	1.6773	0.819021	1.15446	1.01052	1.44653	0.377098	1.09635	1.11523	0.646749	0.892991	0.920206	0.71665
ZNF433-AS1	0.876169	0.779665	0.641239	0.537846	0.240808	0.301719	0.543651	0.591714	0.0959415	0.308887	0.463442	0.261465	0.228621	0.225707	0.413467
ZNF436	4.93999	6.34585	6.57128	6.48651	3.54141	8.70408	3.52427	5.02394	2.01656	3.98152	5.00612	2.77464	3.39432	3.11414	5.66664
ZNF436-AS1	0.786546	2.07837	2.7962	0.355429	0.79955	0.746941	0.865816	0.761168	0.192491	0.143211	0.159965	0.163962	0.0816275	0.365242	0.883774
ZNF438	1.69619	1.41056	1.56301	1.67333	1.05016	2.88343	1.44732	1.02999	0.757204	1.42431	1.89435	0.755845	1.219	1.08526	1.50838
ZNF439	1.53745	2.00505	2.5132	0.548442	1.21706	1.0196	1.15621	1.19556	1.62938	0.705067	1.66884	1.08951	0.314755	0.726275	1.23137
ZNF44	3.72113	3.16768	3.15746	1.81127	1.70207	1.9036	1.66252	2.30054	1.16433	1.45835	1.64375	1.33128	0.882527	1.49513	2.03833
ZNF440	5.43012	6.84605	8.8696	3.49102	1.64923	2.98819	3.09646	5.05213	2.71003	3.81388	2.84762	6.1231	3.08207	2.46193	1.97145
ZNF441	2.04479	1.28353	1.48068	0.680957	0.202052	0.917073	0.790106	1.56754	0.354855	0.966489	1.03375	0.32017	0.644537	0.416057	0.762164
ZNF442	0.772248	0.531008	0.440284	0.645036	0.0883892	0.498361	0.224825	0.716049	0.396573	0.31214	0.458827	0.191235	0.246503	0.301829	0.408596
ZNF443	1.79511	1.61279	1.69903	0.893841	0.467099	0.811731	0.823055	1.51749	0.466805	0.943624	0.96923	0.591607	0.441375	0.669711	0.853007
ZNF444	1.58099	2.27443	2.12419	2.78476	9.8233	5.21293	1.90755	1.05628	3.75535	2.13911	3.06318	2.094	3.60273	2.71915	2.62477
ZNF445	2.5855	2.54587	2.38923	2.09664	2.69031	3.48013	2.48023	1.99074	0.605019	1.48508	1.23886	1.12615	1.35637	1.7915	2.79213
ZNF446	1.22883	1.63717	1.84832	1.88034	3.68746	2.62377	1.53059	1.00108	1.2018	0.782841	1.16651	0.992503	0.594628	0.827131	1.04281
ZNF449	0.570166	0.848869	0.811293	0.840229	0.389693	1.07779	0.481738	0.582724	0.270815	1.01618	1.60268	0.562998	0.378904	0.834383	1.29375

ZNF45	1.5239	1.56561	1.67763	1.7354	1.64871	2.19124	1.06969	1.27527	0.909913	1.39913	1.78723	0.869765	1.52264	1.73237	1.59242
ZNF451	2.84518	2.66401	2.83328	2.95858	0.6478	2.18819	1.93956	2.55574	1.30996	2.61307	3.00646	1.83648	2.74679	2.81244	2.79803
ZNF451-AS1	0.50311	0.436331	0.332966	0.311082	0	0.171357	0.344661	0.32789	0.285941	0.126291	0.151453	0.215993	0.086561	0.368126	0.192674
ZNF454	0.13365	0.118346	0.164352	0.0967831	0.269324	0.252207	0.070112	0.0834647	0.021996	0.036269	0.0937864	0.043938	0.0326276	0.122711	0.217875
ZNF460	11.8575	12.4337	14.3435	16.4515	11.2413	11.8867	13.3143	12.3757	11.3039	14.7156	13.7833	14.8778	21.9075	14.3173	13.4373
ZNF460-AS1	0.363028	0.655922	0.675726	0.0935278	0.140977	0.103038	0.483576	0.376401	0.0736879	0	0.102453	0.173171	0.117112	0.237168	0.260677
ZNF461	0.780697	0.715117	0.862294	0.5085	0.54535	0.556911	0.455602	0.654852	0.338236	0.58699	0.568921	0.179807	0.350734	0.388292	0.656039
ZNF462	3.85567	4.73684	3.64374	3.69628	3.51413	5.46283	3.83142	3.33572	2.58202	1.99986	1.95679	3.67	2.0991	2.69346	2.93935
ZNF467	1.4475	2.27582	1.96778	2.04126	4.43119	3.57504	1.65271	0.962932	3.88661	4.04787	4.96901	4.37305	5.13926	1.76081	2.24899
ZNF468	1.35433	1.25982	1.23138	1.40426	0.4315	1.52617	0.916738	1.06354	0.795721	1.13099	2.15486	0.600308	1.35902	1.25497	0.877441
ZNF469	0.510083	0.396097	0.588737	0.655715	3.12305	1.89553	1.12677	0.66518	0.160109	1.29581	1.75516	0.73999	2.23247	2.31779	8.77039
ZNF470	0.534744	0.632408	0.707804	0.464234	0.307086	0.62366	0.392234	0.489637	0.189457	0.508453	0.45	0.185514	0.261374	0.525084	0.260641
ZNF471	0.703873	1.12572	1.21032	0.786126	0.515195	0.793889	0.441802	0.694321	0.17055	0.360774	0.349451	0.290054	0.37805	0.543145	0.725061
ZNF473	0.740265	0.959729	0.825935	1.50566	0.68842	1.81634	0.811848	0.740122	1.22185	1.50369	1.58887	1.61343	1.64338	1.47121	1.43381
ZNF474	0.094269	0.193036	0.155972	0.0364301	0.0366081	0.120403	0.121088	0.0628339	0.0143511	0.192266	0.0798135	0.556479	0.106438	0.067745	0.186151
ZNF479	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZNF48	0.902834	0.848554	1.27812	0.760042	1.5308	1.98143	0.929195	0.672403	0.425882	0.646374	0.832575	0.345747	0.410214	0.701145	0.986133
ZNF480	1.60262	1.41995	1.2452	1.23992	0.264833	1.65496	0.572863	1.33769	0.676313	1.38784	1.79816	0.561161	1.12201	1.08455	1.46209
ZNF483	0.919145	0.551202	0.720851	0.234629	0.141902	0.572021	0.534353	0.603277	0.0462144	0.179923	0.268126	0.156876	0.0952108	0.232847	0.429911
ZNF484	1.88999	1.28479	1.38551	1.46077	0.290674	1.52565	1.03624	1.57157	0.290573	1.19194	1.85367	0.569054	1.24054	1.16139	1.90805
ZNF485	0.681335	0.807241	0.72073	1.28917	0.347	1.11274	0.420845	0.665073	1.14266	0.406545	0.706098	0.567434	0.605342	0.519549	0.417058
ZNF486	0.659194	0.555102	0.52568	0.563039	0.368993	0.632089	0.56279	0.591115	0.347167	0.521756	1.60897	0.208215	0.655205	0.654159	0.665239
ZNF487	0.782114	0.617464	0.841906	0.456405	0.190285	0.401181	0.419599	0.544338	0.172144	0.626827	0.563786	0.296668	0.316145	0.325044	0.771365
ZNF488	0.237887	0.174656	0.112456	0.24515	0.070385	0.144684	0.0711365	0.181212	0.0206943	0.0710889	0.0383636	0.0121582	0.0986681	0.023682	0.0569394
ZNF490	1.45305	1.54671	1.48928	1.61196	1.60869	2.23346	1.41454	1.29716	0.98155	1.03912	1.22232	1.05435	1.05392	0.980892	1.14273
ZNF491	0.524674	0.545091	0.590033	0.20276	0.496641	0.216396	0.290168	0.429858	0.06989	0.174919	0.453473	0.263966	0.142812	0.205663	0.659311

ZNF492	0.177151	0.0993863	0.106251	0.0759963	0.110092	0.185687	0.16513	0.133485	0.0796767	0.0752688	0.190788	0.0720004	0.039017	0.0911798	0.125272
ZNF493	1.54882	1.46698	1.70208	0.610151	0.451098	0.540343	0.93647	1.60025	0.464422	0.623605	0.634406	0.807962	0.184564	0.882032	0.98152
ZNF496	2.81534	1.82137	1.83303	1.94249	2.93866	3.95236	2.07347	1.53124	1.01143	1.59594	1.72329	1.04545	1.6119	1.99911	2.88022
ZNF497	0.315015	0.657896	0.369881	0.473399	1.26737	0.517697	0.26966	0.338756	0.0928741	0.2638	0.209364	0.295102	0.416185	0.336477	0.509116
ZNF500	1.02601	1.18496	1.12665	1.10696	2.62294	1.67001	1.24821	0.856763	0.73823	0.755716	0.985356	0.715992	0.664717	1.01791	1.32839
ZNF501	0.718516	0.74184	0.928407	0.479531	0.361405	0.62346	0.406283	0.620313	0.141678	0.480966	0.842015	0.146891	0.375281	0.307575	1.27757
ZNF502	1.30163	1.31996	1.26848	0.919993	0.561044	0.696325	0.809215	1.07804	0.406683	0.581622	1.0001	0.433979	0.659531	0.74796	0.910182
ZNF503	3.38371	3.23746	1.62992	5.3557	8.15201	7.4884	3.37853	1.74179	4.08181	3.84475	4.18924	2.58786	6.08215	4.13481	5.37766
ZNF503-AS1	0.511706	0.414648	0.288627	0.191755	0.523882	0.11883	0.345238	0.3204	0.396582	0.45249	0.17067	0.12482	0.195089	0.121564	0.0835084
ZNF503-AS2	0.476577	0.605134	0.352257	0.994587	1.74527	0.97306	0.392234	0.271554	0.809481	0.947504	1.37323	0.503667	0.706193	0.687858	0.409573
ZNF506	4.02428	4.17651	4.38321	2.49688	0.876018	2.43657	2.27355	3.8549	1.61957	1.6778	2.60155	1.32515	1.83728	2.20151	3.15965
ZNF507	3.77219	2.55871	2.84777	2.36086	1.04335	3.05628	2.14664	2.87273	0.86551	1.48659	1.82791	1.0642	2.11656	1.796	1.92923
ZNF510	1.92281	1.51541	1.75467	1.07587	0.590171	1.2209	1.27876	1.48568	0.659878	0.995184	1.22703	0.732824	0.735399	0.982495	1.31902
ZNF511	3.6966	3.06117	3.43681	6.6715	6.35478	7.08429	4.75969	2.65711	4.05578	5.4252	16.0578	2.83575	7.34313	5.43433	3.27525
ZNF512	2.42493	2.45718	2.35248	2.31218	1.99987	3.491	1.86959	2.10508	0.685041	2.23558	1.90492	1.03301	1.17341	2.73075	2.89909
ZNF512B	3.65222	5.01619	5.03638	4.79596	8.26741	10.0728	5.32009	3.5027	2.62206	2.14331	1.5943	3.03888	3.12244	3.49969	3.63918
ZNF513	2.63698	3.55536	3.71163	3.29372	7.50877	4.77925	1.92227	2.26926	3.3847	3.0559	2.09245	3.09769	2.27575	3.78573	2.79913
ZNF514	2.40752	3.61436	3.64031	1.78892	3.33497	2.56871	1.73478	1.97652	0.965444	1.16998	1.25118	1.3944	1.03476	1.77424	1.44941
ZNF516	4.011	4.50629	5.0716	3.65513	6.17629	5.6701	4.55206	3.15453	2.71531	3.05757	3.03174	3.23088	3.50705	2.70909	3.75672
ZNF517	0.551248	0.882637	0.944022	0.622713	1.94525	1.06803	0.701962	0.623295	0.321052	0.344252	0.482091	0.305972	0.304714	0.321915	0.417677
ZNF518A	1.97837	1.90009	1.8014	1.73882	0.605102	1.19261	1.15191	1.92742	1.1141	1.8211	1.61818	1.16503	1.6379	1.68023	1.84804
ZNF518B	1.53153	2.10763	2.18065	1.92213	0.927754	2.17346	0.678124	2.04016	3.34034	2.02692	2.07544	1.11733	2.23891	2.29146	1.16442
ZNF519	0.591941	0.510104	0.416349	0.2956	0.13367	0.219819	0.464467	0.537655	0.0254068	0.104733	0.226667	0.100756	0.0824402	0.167634	0.265891
ZNF521	5.07463	2.51457	2.5227	2.32691	4.65726	4.64202	4.44388	3.1197	0.323191	3.74553	7.22129	1.23588	2.60728	4.08298	7.91627
ZNF524	2.75756	4.5764	4.66388	5.11514	12.2792	7.9311	4.78104	2.65037	6.39339	4.12758	7.65552	4.45776	5.10026	3.60839	3.08016
ZNF525	1.76751	1.76923	1.95592	1.42245	0.3232	0.958251	0.817807	1.48402	0.534759	0.996055	1.31496	0.656636	0.699177	0.984788	0.553848

ZNF526	1.67477	2.22801	1.97402	2.55832	4.38574	3.76073	2.5891	1.79794	2.07579	1.47885	1.78186	1.58543	2.54841	2.27348	1.9795
ZNF527	0.613816	0.649993	0.679023	0.567282	0.427799	0.469008	0.376307	0.477148	0.324415	0.402327	0.759407	0.202935	0.451507	0.483657	0.615391
ZNF528	1.98967	1.62579	1.97809	0.737431	0.804292	0.812414	1.27537	1.61315	0.340098	0.679076	0.807806	0.349672	0.450431	1.08854	1.13629
ZNF528-AS1	0.928525	0.447378	0.53625	0.162488	0.244922	0.671287	0.500075	0.420383	0.106683	0.109943	0.237326	0.11282	0.124337	0.192284	0.52836
ZNF529	1.29065	1.1421	1.34871	0.714104	0.398031	0.864269	0.809869	1.1408	0.405699	0.510803	0.888252	0.392463	0.487289	0.658333	0.77946
ZNF529-AS1	0.43329	0.371848	0.469655	0.357839	0.229214	0.2834	0.34354	0.25626	0.229027	0.161736	0.311356	0.134557	0.12942	0.323467	0.0540136
ZNF530	0.690087	0.54168	0.586011	0.301416	0.269761	0.373574	0.594853	0.552369	0.144713	0.281062	0.371454	0.143882	0.427549	0.384555	0.446302
ZNF532	6.91065	6.87883	6.56077	8.43398	7.05015	7.6188	6.23301	5.08494	5.6342	6.10557	7.94087	5.63353	7.04628	6.23469	9.7772
ZNF534	0.0355937	0.044589	0.0942261	0.00366804	0	0.00606152	0.0568957	0.0158164	0	0	0.0120543	0	0	0	0.0255586
ZNF536	0.132938	0.0284674	0.0366586	0.00304437	0.0275332	0.113195	0.114682	0.0315052	0	0	0.0066698	0.0021138	0.00953011	0.00463195	0
ZNF540	0.578005	0.575668	0.689326	0.148825	0.225806	0.239977	0.292183	0.361738	0.107174	0.106941	0.155378	0.117244	0.00845753	0.18772	0.150604
ZNF541	0.162073	0.101057	0.0788695	0.117897	0.17771	0.438362	0.146951	0.101673	0.0290274	0.0119658	0.0322871	0.0545729	0.00922664	0.0622841	0.0479206
ZNF542P	0.977191	0.76034	0.827585	0.913202	0.593967	1.52976	0.589047	0.916993	0.421343	1.29504	1.98015	0.442976	1.32753	1.15468	1.08957
ZNF543	2.78872	3.14503	3.38792	2.31213	3.4686	2.70747	2.5753	2.4845	2.32899	1.69201	1.91577	1.95276	1.57664	2.28568	2.15579
ZNF544	2.67014	3.30031	3.15787	2.13394	2.34893	1.37111	2.32696	2.57156	1.15145	1.66197	2.10075	1.87157	1.99524	2.65579	2.26949
ZNF546	0.314359	0.312558	0.376853	0.169357	0.125399	0.223402	0.128384	0.304914	0.0245795	0.123034	0.237594	0.0784311	0.111612	0.192878	0.385073
ZNF547	0.519063	0.524359	0.387218	0.480705	0.514995	0.647227	0.19505	0.353804	0.296492	0.447839	0.673362	0.127779	0.444402	0.468982	0.360002
ZNF548	2.36009	2.2228	2.43419	1.5725	1.56438	1.94461	1.77128	2.16072	1.53627	1.35339	2.18192	0.979009	1.526	1.51261	2.06723
ZNF549	1.34781	1.09045	1.2358	0.798651	0.628085	1.12374	0.660439	0.883394	0.458247	0.817626	0.963623	0.417904	0.811627	0.968583	1.08879
ZNF550	1.59515	1.42327	1.50179	0.918782	0.984451	1.07013	0.981165	1.08351	0.549453	0.62017	0.909455	0.395829	0.544045	0.912291	0.987294
ZNF551	3.27149	2.96073	3.48335	1.628	1.46849	1.30279	2.89734	3.09538	0.848372	1.15532	1.4955	1.08587	1.61717	1.66432	1.26836
ZNF552	3.80752	3.50732	3.60073	3.21367	3.10985	2.2555	2.92265	3.74326	1.37228	3.22291	2.11438	2.68095	1.57394	3.24064	1.98487
ZNF554	1.17476	1.39399	1.32093	0.816091	1.04989	1.3855	1.17186	0.893408	1.32254	0.337755	0.558119	0.690037	0.420919	0.402946	0.427473
ZNF555	0.746741	0.618556	0.68769	0.477845	0.267297	0.615596	0.458492	0.655938	0.201348	0.452542	0.526127	0.22862	0.321452	0.386053	0.499243
ZNF556	0	0	0	0	0	0.0361799	0	0.0503491	0	0	0	0	0	0	0
ZNF557	1.6236	1.49952	1.50906	1.57381	1.38381	1.61891	1.29456	1.55603	0.756188	1.01163	1.61081	0.659509	1.162	1.02392	1.30708

ZNF558	1.74559	2.1455	2.20291	2.5551	1.91706	2.65555	1.36468	1.497	1.44212	1.98856	2.29062	1.43995	2.00501	2.29825	1.55683
ZNF559	2.21071	1.79453	2.08448	1.24419	0.775808	1.50127	0.908378	1.64642	0.284384	0.903646	1.11887	0.422341	0.619367	0.959904	1.89097
ZNF559-ZNF177	0.0728799	0.276295	0.159695	0.089193	0.208078	0.0110061	0.143151	0.226769	4.79E-05	9.92E-05	0.0855073	0.0917944	0.032141	0.112665	0.167709
ZNF56	0.240152	0.103529	0.104563	0.0651272	0.0981681	0.129149	0.0577258	0.101097	0	0.015864	0.028537	0.00904395	0	0.0594539	0
ZNF560	0	0	0.00683282	0	0	0	0	0	0.0100591	0.0310995	0.00932392	0	0	0.00863353	0
ZNF561	3.03011	4.85695	4.45377	6.36616	2.43442	3.91704	2.75647	3.29235	11.1316	5.38012	7.3201	4.41946	5.92403	6.66867	2.55664
ZNF561-AS1	0.68142	1.1248	0.897775	0.97531	1.17609	0.89182	0.878879	1.03175	1.95179	0.7919	2.30772	0.74942	0.480357	0.679304	0.942361
ZNF562	3.95198	4.82289	4.99092	7.93297	2.44043	3.38484	2.69564	4.57083	9.3379	8.43554	7.21966	6.72397	11.6809	8.49812	4.88042
ZNF563	1.31865	1.27068	1.08397	0.756857	0.25928	0.930936	0.657503	0.875218	1.03676	0.55517	1.1871	0.447876	0.296159	0.314057	0.491414
ZNF564	3.99587	2.89358	3.2667	2.23286	1.24383	2.53344	1.83749	3.007	1.29073	1.60605	2.33075	0.921219	1.21561	1.48938	2.08573
ZNF565	1.0946	1.11009	1.06077	0.805748	0.761086	1.27823	0.738101	0.843087	0.533242	0.785116	1.10622	0.589326	0.491	0.790037	1.16776
ZNF566	0.888069	0.715178	0.806095	0.526026	0.217181	0.725009	0.582094	0.833107	0.240347	0.459267	0.793654	0.282414	0.458575	0.515754	0.879768
ZNF567	1.3482	1.23715	1.27226	0.84479	0.326236	0.698017	0.680712	1.09581	0.792103	0.960861	1.36899	0.431438	0.778062	0.917082	0.98269
ZNF568	0.780321	0.642127	0.616774	0.513536	0.318028	0.615094	0.28669	0.405104	0.221119	0.489691	0.6454	0.187956	0.246744	0.375526	0.571414
ZNF569	0.512511	0.5839	0.481399	0.385114	0.116099	0.472762	0.158483	0.370075	0.221064	0.542745	0.668961	0.152798	0.344447	0.301343	0.590357
ZNF57	3.28441	3.333	2.86018	3.21191	2.21796	2.60829	2.41737	2.25614	9.87453	2.23104	3.58356	4.37556	3.02268	2.64988	1.25531
ZNF570	0.88164	0.741482	0.768428	0.539455	0.43408	0.817732	0.485338	0.706575	0.335543	0.726173	0.955274	0.230931	0.568829	0.376444	0.887433
ZNF571	0.808046	0.892053	0.954033	0.711445	0.341212	0.66132	0.564309	0.725096	0.401287	0.403703	0.513656	0.449071	0.329005	0.348516	0.473195
ZNF571-AS1	0.415437	0.38722	0.510633	0.0928076	0.364896	0.100541	0.277214	0.382079	0.0133115	0.078458	0.0784082	0.168974	0.0448133	0.243944	0.0698243
ZNF572	0.367462	0.32005	0.403372	0.291293	0.164653	0.379077	0.314667	0.288889	0.180732	0.0975621	0.327069	0.0455069	0.0775085	0.132959	0.324752
ZNF573	1.53033	2.06372	1.71157	1.66515	0.637444	1.01915	1.08351	1.26886	0.43731	0.697469	0.974765	0.544438	0.628823	0.987485	1.14185
ZNF574	2.82889	2.82777	2.92796	3.64736	4.29483	5.42248	2.84262	1.85427	3.11787	2.69101	2.8611	2.21189	4.06327	2.76969	1.89344
ZNF575	0.554568	0.814631	0.850417	0.738766	1.15558	0.886828	1.05016	0.564978	0.131786	0.356508	0.77873	0.416164	0.610885	0.466574	0.835279
ZNF576	1.13634	1.24679	1.42405	1.79712	1.92242	2.63449	1.65712	1.04988	1.37023	1.17204	3.099	0.78893	1.45906	1.41712	1.13104
ZNF577	1.77656	2.25845	2.31758	0.718234	1.072	0.71563	1.09222	1.46348	0.299582	0.531712	0.725069	0.620919	0.167525	0.874938	0.647653
ZNF578	0.265331	0.183337	0.148459	0.202707	0.131	0.138555	0.122744	0.144248	0.100349	0.0995153	0.14178	0.0792954	0.0713834	0.112046	0.1497

ZNF579	1.67595	1.59442	1.56308	2.54117	5.20666	5.80818	1.95011	1.20484	1.26107	1.42019	1.96424	1.09989	1.65296	1.551	1.96229
ZNF580	3.11118	3.65561	3.77569	4.08332	10.0758	9.33449	4.7084	2.38673	4.14652	2.43132	6.52724	2.80367	3.58855	3.7813	4.6788
ZNF581	4.20954	4.15649	4.23201	6.7308	8.53279	10.062	6.22882	3.13715	6.80501	4.0514	8.99267	3.67388	5.9313	4.193	2.43986
ZNF582	0.429123	0.466988	0.526381	0.259235	0.344781	0.49769	0.152056	0.328766	0.198237	0.21358	0.367496	0.22764	0.128887	0.224279	0.0850034
ZNF582-AS1	0.370558	0.156899	0.250815	0.138862	0.191868	0.267719	0.141031	0.16965	0	0.0422808	0.0887333	0.0883815	0.0507144	0.0997694	0.0967579
ZNF583	0.555572	0.480993	0.531422	0.295212	0.242717	0.576545	0.297344	0.432028	0.105723	0.522975	0.685969	0.124227	0.324847	0.449161	0.673204
ZNF584	1.77298	2.38098	2.34054	2.15754	2.63685	3.34053	2.16431	1.78521	3.33082	1.47957	2.06535	2.15934	2.1418	1.942	1.43564
ZNF585A	0.851474	0.924155	0.767978	0.533004	0.308478	0.715505	0.478211	0.719924	0.598159	0.59275	0.99731	0.333822	0.431469	0.457171	0.696261
ZNF585B	1.3049	1.49823	1.47246	1.06977	0.712969	1.82643	0.964573	0.993043	0.54254	0.993099	1.8147	0.626841	0.560548	1.13169	1.64562
ZNF586	3.73143	3.91009	4.32674	3.17294	2.40717	1.93588	2.77045	4.43972	1.67624	2.71275	2.76218	2.2979	1.81549	3.61803	1.94733
ZNF587	4.39052	4.42049	4.39559	3.33446	3.95066	2.7243	3.6421	4.46674	2.45014	2.65307	2.44812	3.18785	3.26098	4.42063	4.25466
ZNF587B	3.76133	3.47574	3.53491	3.29235	3.05656	2.73092	2.87442	4.14979	1.37249	2.09053	2.00165	2.24345	2.50454	3.58909	1.8473
ZNF589	3.41229	3.53348	3.42617	4.38849	3.06701	4.39929	3.51115	2.84914	3.10008	1.84781	1.46782	3.81498	2.17496	3.98032	3.14184
ZNF592	4.91213	5.14248	4.79166	4.55764	6.77316	6.57509	5.56975	4.16935	5.86526	4.53869	3.35075	4.29627	6.84792	4.38037	4.088
ZNF593	4.38613	3.09264	3.39251	12.0534	7.86561	16.5482	3.78649	2.50361	5.55895	7.87713	15.9813	5.68993	9.47903	8.53586	3.37997
ZNF594	0.512497	0.868824	0.714475	0.68463	0.50861	1.11925	0.232978	0.430161	0.127145	0.387133	0.551761	0.247866	0.104097	0.615071	0.579268
ZNF595	2.70435	2.73305	2.84392	1.78627	0.502116	1.47014	1.12165	2.44145	0.918587	1.22565	1.39828	0.81846	0.786248	1.26482	1.28045
ZNF596	1.17405	0.638399	0.694077	0.487182	0.419151	0.537525	0.373299	0.630023	0.476656	0.574636	0.682979	0.303663	0.285867	0.478815	0.477229
ZNF597	0.58824	0.524333	0.566581	0.545579	0.202328	0.550967	0.345412	0.750561	0.214923	0.326962	0.626104	0.240515	0.477123	0.58194	0.597385
ZNF598	5.70161	6.80161	6.70578	15.3617	15.6537	19.5949	7.36483	5.32353	15.8372	9.0098	6.57599	11.8556	20.1439	13.5783	7.96133
ZNF599	0.475491	0.511893	0.633064	0.329224	0.473167	0.714857	0.517452	0.521619	0.126677	0.242446	0.4529	0.170113	0.17736	0.264045	0.320093
ZNF600	1.08004	1.45844	1.67336	1.15055	0.509429	1.17404	0.690925	0.948369	0.810017	0.708552	0.986376	0.576629	0.91744	1.29067	1.02974
ZNF605	1.20338	1.53084	1.45079	0.975459	0.507209	0.618546	0.762392	1.1738	0.527252	0.888721	1.03542	0.779669	0.549172	0.878216	1.1012
ZNF606	1.53821	1.63539	1.83657	0.675016	1.35487	0.984683	1.24013	1.6713	0.626482	0.633781	1.05427	0.345727	0.557444	0.774943	0.466198
ZNF607	0.713977	1.00253	1.19818	1.12468	0.792181	1.43301	0.611397	0.652652	0.465827	0.569673	0.765691	0.364907	0.552785	0.700999	0.358876
ZNF608	0.975739	1.75013	1.11584	2.12935	2.38812	3.63749	1.33407	0.936382	0.269623	0.982809	1.09686	1.06779	0.724767	1.11849	1.77221

ZNF609	4.62754	5.86714	6.22114	6.3824	6.51649	9.24355	6.03486	4.37512	3.8041	4.72598	3.66553	4.25085	7.05261	5.79582	5.98231
ZNF610	0.242895	0.149799	0.152714	0.140174	0.045276	0.339188	0.133118	0.129519	0	0.036583	0.31807	0.0347596	0.0564173	0.0660128	0.111625
ZNF611	1.71639	1.62601	1.48977	1.37143	0.75305	1.53766	1.03065	1.4407	0.599635	1.09774	1.48943	0.740467	1.39946	1.25486	1.83828
ZNF613	1.00581	0.85493	0.808526	0.899615	0.442179	0.912989	0.444192	0.556565	0.889829	1.4053	2.1209	0.488841	0.906069	0.71413	0.463319
ZNF614	1.16309	0.884709	0.884397	0.851771	0.23064	0.804929	0.644212	0.884108	0.614828	0.969059	1.57	0.304558	0.999497	0.799301	1.1728
ZNF615	1.22163	1.03822	1.1463	0.734372	0.395335	1.16059	0.774897	0.970075	0.695686	1.07897	1.39822	0.42896	0.529108	0.727152	1.31581
ZNF616	0.945886	1.28209	1.11786	1.06581	0.339067	1.3099	0.617133	0.766724	0.753221	1.08934	1.16166	0.572684	0.700817	0.926248	1.03747
ZNF618	1.95389	1.05467	1.14647	1.00172	1.73052	3.37118	1.82272	1.26644	0.235576	0.869686	1.49258	0.39419	1.18955	1.45501	2.12738
ZNF619	1.27431	1.23237	1.27335	0.974317	0.90813	1.14728	1.11599	1.44505	0.34488	0.527396	0.830122	0.428121	0.565798	0.615879	0.767447
ZNF620	0.636068	0.388977	0.330561	0.226899	0.21534	0.416617	0.214148	0.492811	0.119178	0.173995	0.340609	0.0933585	0.2315	0.29834	0.245935
ZNF621	3.11284	2.87217	3.09649	1.92584	1.57646	2.91999	2.5854	2.42216	0.850585	1.31486	1.38898	1.1771	1.47857	2.1174	3.3264
ZNF622	5.23865	4.07935	4.82034	8.90836	7.83997	11.1574	4.34153	3.75614	7.49618	10.2317	7.95195	4.29646	20.2797	5.49734	4.47866
ZNF623	3.19325	3.79494	4.20991	3.32375	3.27639	3.54656	3.34109	2.97552	3.0761	2.83499	2.91155	2.5523	2.90093	3.00574	2.99849
ZNF624	0.867046	0.961627	0.947354	0.887897	0.29647	0.919366	0.722239	0.983795	0.969628	1.11561	1.34199	0.690628	1.07309	0.74956	0.759643
ZNF625	1.3054	1.1881	1.36348	1.61342	0.97833	1.41108	1.08817	1.03208	0.331931	0.663398	1.75703	0.524325	0.862814	0.825111	1.27355
ZNF625-ZNF20	0.248133	0.0886732	0.29076	0.0392145	0.355587	0.337885	0.0863085	0.0667694	0.0123235	0.122901	0.281321	0.135443	0.0089594	0.02109	0.0119609
ZNF626	0.619722	0.93167	1.27749	0.502537	0.168331	0.487316	0.63798	0.800554	0.342319	0.416535	0.883087	0.34408	0.264376	0.722124	0.656556
ZNF627	2.53738	2.00187	2.28935	2.05395	1.13123	2.31721	1.59297	1.928	1.61514	2.65549	4.13647	1.27254	1.80032	1.55853	1.80549
ZNF628	1.13098	1.22898	1.53782	1.60568	2.40159	2.28973	2.32163	0.962353	1.06969	0.671998	0.93039	0.908253	1.74663	1.11932	0.95035
ZNF629	3.24615	3.11352	3.24256	3.02554	3.92578	5.80196	3.78843	2.78403	1.97212	1.26786	1.26421	1.34545	1.54029	1.65507	2.65694
ZNF630	0.786067	0.917772	0.837023	0.530699	0.690467	0.354122	0.654239	0.584732	0.695938	0.309647	0.592947	0.494484	0.307155	0.758649	0.454057
ZNF630-AS1	0.107935	0.275064	0.37344	0.197678	0.0367743	0.065788	0.165003	0.299547	0.0301195	0	0	0.0467379	0.0157288	0.136023	0.18597
ZNF638	9.77153	9.41426	9.65105	8.89473	3.81567	9.38061	5.14958	7.69179	6.91446	7.56315	7.73068	5.75955	6.49462	8.51437	8.66861
ZNF639	2.74742	1.8579	1.78866	2.55456	0.780806	2.67945	1.73749	2.05003	1.63528	1.97909	3.29581	0.975537	3.38529	1.96495	2.64032
ZNF641	2.68289	1.89494	1.95788	1.99085	1.67312	3.60969	1.80522	1.85302	0.685987	1.4263	1.62309	0.749489	1.5684	1.52098	2.71057
ZNF644	5.44157	4.43722	4.94512	4.30414	0.856645	3.81576	2.76966	4.93882	4.18957	5.62932	6.24735	3.01883	5.41683	5.41991	4.20924

ZNF646	2.73631	3.49177	3.76867	4.62931	6.66519	6.19304	3.43495	2.83269	4.34952	2.95242	1.36352	3.07022	3.70168	3.09014	2.77326
ZNF648	0.0063423	0.00305582	0.0157404	0.0130718	0.0394071	0.0216015	0.0289657	0.0169095	0	0.00796024	0	0.00907617	0	0.00662953	0.0546501
ZNF649	2.21565	2.04487	2.03138	1.72942	0.802088	1.9444	1.46228	2.10966	1.35382	1.27817	2.50974	0.898019	1.71667	1.39904	1.29773
ZNF649-AS1	0.0421358	0.100265	0.119146	0.246662	1.06E-41	0.121985	0.110288	2.14E-37	0	0	8.41E-43	9.45E-34	0	0.0572983	0
ZNF652	7.61838	7.08833	6.98802	3.0473	4.48861	4.38272	11.2604	6.43963	5.62168	2.30842	3.08532	1.96693	2.54598	1.93185	4.14992
ZNF653	0.743884	1.0404	1.14531	0.873065	2.4715	1.29321	0.931917	0.523372	1.14504	0.894749	0.606488	0.887115	0.879908	0.707375	0.534156
ZNF654	2.1844	2.15869	2.45014	2.5589	0.553408	2.04995	1.73394	3.01271	2.60776	2.95392	2.74622	1.72006	2.73513	2.3454	1.55561
ZNF655	6.4415	7.91907	7.55211	6.67334	4.02711	3.84294	4.52029	6.03498	5.43186	6.83653	6.23896	5.80412	5.58136	6.10634	5.17325
ZNF658	2.04701	2.66254	3.09208	1.35302	0.659571	1.5032	1.31728	2.27282	1.23368	1.54258	1.84105	1.61916	0.966897	0.928167	0.760164
ZNF658B	0.445343	0.530453	0.496531	0.502902	0.236983	0.366127	0.289313	0.438582	0.332447	0.356432	0.4323	0.324562	0.165885	0.274268	0.285329
ZNF66	1.13701	1.04898	1.4046	0.546454	0.324722	0.451515	0.48901	0.888137	0.155241	0.236778	0.31657	0.350233	0.151324	0.56494	0.666338
ZNF660	0.416396	0.257842	0.368709	0.102408	0.210151	0.274438	0.293254	0.330397	0.0473947	0.258868	0.430521	0.0863198	0.15567	0.235932	0.547698
ZNF660-ZNF197	0.235141	0.233049	0.318336	0.26846	0.0615923	0.38142	0.163924	0.275246	0.0897423	0.095359	0.126147	0.123798	0.141689	0.417675	0.526704
ZNF662	2.54436	2.32675	2.12115	2.16004	2.98711	2.35401	2.32585	2.65614	12.0022	2.13718	2.99213	3.29219	0.849982	1.36473	1.01658
ZNF663P	0.0201069	0	0.0166339	0	0	0	0.0229574	0.053608	0	0	0	0.014387	0.0389186	0	0
ZNF664	7.58153	5.12313	5.31763	9.49222	3.9517	12.9148	4.85178	5.9743	7.56782	12.6356	9.63653	8.07663	17.7525	8.83871	8.19379
ZNF664-RFLNA	0.228019	0.0686334	0.0054087	0.0110549	0.333692	0.500059	0.0161357	0.00418085	0.00217569	0.0103158	0.021632	0.00667076	0.0076768	0.075737	0.00528424
ZNF665	0.38489	0.302097	0.415985	0.217512	0.154288	0.322443	0.333135	0.248268	0.0302421	0.124665	0.175199	0.0399773	0.052069	0.103825	0.178307
ZNF667	0.40068	0.212603	0.310491	0.0574941	0.165446	0.220251	0.179519	0.329046	0.012354	0.108218	0.131687	0.0290326	0.0916261	0.140492	0.109258
ZNF667-AS1	1.45456	0.926094	0.773558	0.548728	0.887633	1.43759	1.15661	0.934892	0.189802	0.521606	1.45142	0.232316	0.511133	0.624462	0.634139
ZNF668	1.17039	1.17316	1.26502	2.27889	3.43503	2.37373	1.59148	0.940832	2.2921	3.04864	1.91212	1.85163	3.96915	2.51132	1.90043
ZNF669	1.6778	1.32116	1.06128	1.39936	0.988428	1.34583	1.02404	1.36706	0.768699	1.34767	2.56282	0.583343	1.56105	1.31628	0.858395
ZNF670	0.523723	0.376899	0.431929	0.477219	0.102761	0.427167	0.408454	0.342957	0.221564	0.3598	0.460528	0.106504	0.394814	0.381961	0.380025
ZNF670-ZNF695	4.35E-14	0.0209804	0.0221067	0.0979547	1.52E-12	8.73E-08	0.0497934	0.0551411	0	1.05E-43	3.83E-15	0.0261789	0	0.0644404	0
ZNF671	1.78527	1.45914	1.59289	0.452718	0.871142	0.429775	1.54745	1.60321	0.147986	0.457524	0.68585	0.454783	0.277408	0.981909	1.02018
ZNF672	2.97992	3.68683	3.68541	4.84553	5.62905	4.82609	4.2145	2.66161	5.58971	4.05022	4.43738	3.48226	6.22681	3.63141	3.33331

ZNF674	0.623393	0.599149	0.501617	0.530735	0.160829	0.424453	0.56032	0.544103	0.464893	0.628111	0.609602	0.458633	0.340259	0.54353	0.605344
ZNF674-AS1	0.743422	0.622943	0.650664	0.63288	0.38493	0.559621	0.602782	0.488337	1.3253	0.419206	0.70544	0.254405	0.368428	0.557477	0.510614
ZNF675	2.1163	2.24124	2.26211	2.17011	0.650958	1.24891	1.11246	2.08563	3.15159	1.69627	2.88576	1.34935	1.1018	1.26486	1.12844
ZNF676	0.212973	0.129217	0.137034	0.0975443	0.0367578	0.134329	0.0630429	0.0701009	0	0.0396004	0.0267133	0.016932	0.0254461	0.0206128	0.033984
ZNF677	0.435043	0.371984	0.380174	0.246263	0.314091	0.406955	0.258853	0.27772	0.164174	0.1615	0.338935	0.0701487	0.193714	0.208158	0.27279
ZNF678	0.522919	0.498913	0.539673	0.517541	0.136719	0.398969	0.339906	0.591262	0.0945827	0.412635	0.622456	0.175967	0.329034	0.462718	0.944298
ZNF679	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZNF680	1.07423	0.910305	1.01341	0.84969	0.16101	0.569677	0.548707	1.35247	0.246739	0.620913	0.978647	0.327009	0.4347	0.600839	0.832262
ZNF681	0.520069	0.528614	0.518642	0.928728	0.105131	0.312409	0.264362	0.572994	1.73096	0.639327	1.00932	1.42732	0.360826	1.10027	0.485986
ZNF682	1.06922	1.1693	1.19296	0.478442	0.218536	0.335421	0.666623	1.10653	0.565426	0.194235	0.412928	0.352329	0.0816936	0.330882	0.666747
ZNF683	0.0267241	0.0772564	0.198972	0.01377	0.228314	0.125154	0.0610254	0.0237501	0	0.0335415	0.0301682	0.0095609	0	0.00698359	0.268654
ZNF684	0.717357	0.377538	0.556929	0.557286	0.171431	0.422876	0.214214	0.510022	0.0672047	0.304736	0.921934	0.221109	0.412991	0.305706	0.523033
ZNF687	3.07975	3.17816	3.76569	3.46539	5.21637	6.19998	4.12896	2.84925	3.15194	2.56478	2.98848	2.30961	3.80954	2.85628	2.59138
ZNF688	1.93809	2.10563	1.76051	2.23223	6.78841	3.57016	1.76449	1.5648	2.05183	1.87605	4.74751	1.52271	1.49563	1.53595	1.83737
ZNF689	1.42704	0.966623	1.10645	1.35985	1.15935	2.6234	1.48618	0.891476	0.414495	0.839334	2.11648	0.337512	1.32136	0.886261	1.45774
ZNF69	0.517019	0.464084	0.47616	0.326342	0.333186	0.632837	0.266048	0.310151	0.0787088	0.17871	0.432505	0.152668	0.125092	0.388436	0.807474
ZNF691	0.762559	1.29469	1.09146	1.5592	1.67336	1.98915	0.912126	0.484071	0.722331	0.789979	1.12045	0.658221	0.445142	0.91729	0.486725
ZNF692	0.987973	2.65392	2.05416	2.65796	6.47817	2.3674	1.45746	1.30539	1.15	1.21806	1.35218	3.09043	1.4159	3.34946	1.53186
ZNF695	0.0246465	0.00890629	0.015292	0.0597132	0	0.0314792	0	0.0164278	0.0375208	0.0309339	0.0765127	0.0495152	0.0477054	0.0272809	0.0796398
ZNF696	0.765835	1.11412	1.17718	0.987792	1.98779	1.544	0.885689	0.641091	0.463342	0.66354	0.501987	0.583329	0.570621	0.741125	1.18499
ZNF697	0.856475	0.74411	0.625623	0.784032	1.50732	1.04737	0.525359	0.70853	0.377288	1.30368	1.61999	0.462883	0.890616	1.27861	1.57022
ZNF699	1.22448	0.858908	1.08224	0.834052	0.466028	0.799053	0.85637	1.18123	0.658543	1.0377	1.54769	0.484253	0.976845	0.840527	1.09719
ZNF7	2.65348	3.04377	3.08148	2.71733	2.72486	2.95897	2.83318	2.5062	2.34599	2.15988	2.63826	1.92247	1.56517	2.15278	2.68665
ZNF70	1.06557	1.17668	1.24365	0.860674	1.92361	2.4375	1.40077	0.895802	0.392831	0.650628	0.949313	0.424496	0.624325	0.984383	2.15068
ZNF700	5.20939	4.89307	5.13451	3.01717	1.37551	2.83262	2.40467	3.2117	2.84673	3.2241	3.67433	2.77989	1.74487	2.75601	2.69236
ZNF701	1.06473	1.00413	1.06799	0.984884	0.691722	0.936977	0.793896	0.912909	0.127915	0.570972	1.00548	0.318929	0.775871	0.895906	1.38223

ZNF702P	0.12669	0.126501	0.198036	0.087536	0.155936	0.164381	0.0440841	0.125921	0.0397453	0.213224	0.2528	0.0347264	0.177952	0.205831	0.224739
ZNF703	10.9254	10.1085	12.4741	3.60343	16.7777	26.0373	18.3997	9.14458	2.97931	3.72085	8.4017	2.7492	4.55667	3.9223	10.48
ZNF704	3.29949	2.42686	2.59914	1.46552	0.947082	1.9958	2.69273	2.31468	0.527036	0.662268	0.699177	0.568635	1.00161	0.521288	1.23602
ZNF705A	0.0180267	0.00387814	0.00588731	0	0	0.00569306	0	0.0264508	0.0163965	0.0325927	0.0101283	9.05E-24	0	9.57E-26	0
ZNF705B	4.20E-10	0.00980135	0.0317242	0	0	0	0	2.47E-08	0	0	0	7.45E-42	0	0.00513606	0
ZNF705D	0.00856366	0.0154285	4.69E-23	0.00647559	7.42E-28	0.0174486	0	1.41E-28	0	3.47E-33	0	0	0	0.00488513	0
ZNF705E	0.201496	0.131719	0.199984	0.020793	0.0313419	0.0615385	0.199658	0.224615	0.0327645	0.0434082	0.0202331	0.061258	0.00433937	0.0843632	0.0289768
ZNF705G	0	2.09E-16	0	0	0	1.08E-27	0	8.19E-31	0	8.79E-07	6.41E-05	0.0227502	0	0	0
ZNF706	5.56471	9.00995	8.85681	7.57986	4.17771	7.21179	6.54874	6.73486	20.8477	9.99615	15.7427	10.1695	8.42706	6.7603	3.05156
ZNF707	1.15715	1.52818	1.49358	1.2715	3.56243	2.24363	1.36895	0.792968	0.865944	0.778667	0.605926	1.16714	1.36725	1.23142	1.38151
ZNF708	2.1139	1.13755	1.28546	0.809132	0.74201	0.705957	0.71467	1.93721	0.307601	1.06815	1.61774	0.518588	0.690794	1.30569	2.10537
ZNF709	0.689709	0.65552	0.695634	0.379724	0.337551	0.551076	0.436894	0.487006	0.230134	0.284599	0.495955	0.209571	0.195067	0.207395	0.515608
ZNF71	1.37659	1.25521	1.50005	1.38048	2.01186	2.59638	1.37739	0.730094	0.910377	1.51412	2.08036	0.699025	1.79067	1.1759	1.37112
ZNF710	4.76228	5.18674	4.85441	7.07134	11.138	9.7026	4.74384	4.10595	9.75202	6.66553	4.70914	7.30001	11.4086	5.87796	4.48418
ZNF710-AS1	2.65431	2.87999	2.96667	2.77845	0.958038	5.24186	2.728	3.77735	1.89676	1.46932	1.12959	1.57396	0.956217	1.21313	1.74384
ZNF711	1.54152	1.913	2.86932	0.778612	0.346574	0.4145	1.78322	2.42449	0.802833	0.216388	0.366354	0.547871	0.23883	0.161663	0.233033
ZNF713	0.494947	0.497527	0.426636	0.341884	0.253785	0.396271	0.29749	0.340632	0.329257	0.243285	0.282473	0.307625	0.174429	0.346697	0.380932
ZNF714	1.09334	0.897063	0.979763	0.606185	0.212113	0.326458	0.785554	1.15567	0.44135	0.764653	0.557315	0.657731	0.301584	0.57232	0.682603
ZNF716	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZNF717	1.32509	1.47677	1.72057	1.16368	0.832281	1.44717	1.15774	1.28004	0.722708	0.773717	1.13816	1.1254	0.494381	0.990649	0.827392
ZNF718	1.33635	1.17613	1.52491	0.750241	1.04052	0.484238	1.01355	1.06444	0.17686	0.51285	0.679725	0.535124	0.230054	0.720339	0.611791
ZNF720	1.08457	1.36268	1.22162	1.30683	0.855315	1.39945	0.904931	1.26045	1.47329	1.3403	1.71408	1.06258	0.947366	1.0988	0.850678
ZNF721	5.2512	5.14653	5.9788	2.64017	0.850075	2.07876	1.9415	4.19705	2.48254	2.29454	2.60012	1.90593	1.83752	2.60366	2.75152
ZNF722P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZNF723	0	0	0.0104335	0	0	0	0	0	0	0	0	0	0	0	0
ZNF724	0.611116	0.34798	0.38081	0.752457	0.110954	0.3852	0.244667	0.373828	0.193317	0.40841	0.770509	0.159007	0.389168	0.489464	0.33054

ZNF726	0.391801	0.264609	0.229935	0.393409	0.223674	0.176787	0.367053	0.241062	0.261016	0.121887	0.294863	0.222838	0.101547	0.119013	0.12023
ZNF727	1.58648	0.515762	0.212375	0.484948	0.500361	0.522244	0.317731	0.821251	0.0995959	0.0478983	0.0461583	0.0507122	0.123112	0.0598367	0.274033
ZNF728	0.0615507	0.0254195	0.0800157	0	0.027317	0.0973321	0.020079	0.0547011	0	0.0110361	0.00992615	0	0.0850975	0.00919116	0.0126278
ZNF729	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZNF730	0.0391095	0.0235544	0.0161771	0.0705311	0	0.0166506	0.0111635	0.0521359	0.047631	0.0245432	0.176599	0.0279839	0.00630831	0.0306605	0.0140415
ZNF732	0.701904	0.392076	0.434254	0.49501	0.0464294	0.322733	0.431625	0.468295	0.07224	0.161894	0.324505	0.0851147	0.263256	0.497908	0.1852
ZNF733P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZNF735	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZNF736	1.98811	1.78962	1.87988	0.994979	0.960136	1.18499	1.75127	2.04389	0.926667	0.83176	0.950375	0.767471	0.603352	1.18146	1.37119
ZNF737	0.81915	1.00862	1.28002	0.474661	0.248487	0.342876	0.55109	0.943694	0.275441	0.411939	0.756588	0.329571	0.218878	0.392086	0.609987
ZNF738	0.369068	0.259621	0.168943	0.192703	0.221672	0.205315	0.157319	0.223038	0.0329621	0.157494	0.277755	0.0668999	0.090486	0.243043	0.409889
ZNF74	0.733245	1.30827	1.00467	1.06261	2.20678	1.81452	0.758708	0.453098	0.802314	0.747742	0.750141	0.91405	0.609838	1.06585	0.534743
ZNF740	4.1055	4.60856	4.30055	4.73517	6.1492	7.3203	3.71277	3.04938	2.39737	3.11217	3.47441	2.59909	3.17862	3.13189	3.49856
ZNF746	2.49833	2.52793	2.45513	3.5618	5.407	5.12055	2.39071	2.10992	3.10463	3.40215	3.1504	2.50461	6.58819	3.48135	3.05845
ZNF747	1.89228	2.00205	2.75967	1.73561	2.91916	3.71529	2.32389	1.80306	0.483092	1.21607	2.11412	0.772372	1.6782	1.41381	1.48485
ZNF749	1.28242	1.78849	1.80399	1.2435	1.01703	1.18411	1.075	1.03872	0.988507	0.706308	0.946802	0.828555	0.757586	1.49886	0.98691
ZNF750	18.1025	31.2226	27.1554	30.3595	32.6145	23.8559	35.1188	25.2148	99.0339	33.7257	43.3762	42.6623	67.1158	20.954	8.43668
ZNF75A	1.60211	1.38167	1.67621	0.721453	1.32796	1.32405	0.753214	1.35801	0.672258	0.853327	1.50462	0.645424	1.12488	1.45302	0.860394
ZNF75D	1.47228	1.58826	1.25753	1.29897	2.28695	1.53576	1.01406	1.05646	1.00678	1.00324	1.17614	1.05834	0.839705	1.17831	1.36379
ZNF76	3.26907	3.17101	2.75451	3.44019	4.20481	6.09	3.29806	2.12132	2.3488	2.16006	2.06974	2.00496	2.53885	2.31878	2.23563
ZNF761	1.4309	1.61934	1.7349	1.42506	0.466886	1.38593	0.678961	1.04694	0.644882	1.15061	1.33154	0.658101	0.728603	1.47165	1.21368
ZNF763	0.599972	0.658923	0.678817	0.354607	0.17817	0.413203	0.231701	0.493999	0.161184	0.354366	0.428289	0.145203	0.170779	0.156786	0.595543
ZNF764	1.44851	1.2722	1.47906	1.56097	2.25004	2.64297	1.66331	1.14755	0.383067	0.727212	1.18668	0.864693	1.2817	1.63956	1.90194
ZNF765	1.33505	1.37458	1.73461	1.12259	0.631138	0.822356	0.787946	0.8933	0.844958	1.09627	1.25053	0.683868	1.03	1.18621	1.29533
ZNF765-ZNF761	0.119498	0.0245137	0.0346661	0.196685	4.45E-05	0.222162	0.0396044	0.0974506	0.0657801	0.0106043	0.0171705	0.130853	0.0773736	0.0798228	0.416531
ZNF766	3.5862	2.66117	2.70934	2.42905	1.01503	3.06023	1.46553	2.49577	1.28849	1.66959	2.20421	0.951822	1.28489	1.52872	2.26789

ZNF767P	3.80759	4.14687	4.15475	1.91994	4.6663	2.26315	3.05952	2.90994	1.05766	1.55714	0.807011	2.19777	0.561735	2.15927	2.49859
ZNF768	4.39868	3.91598	4.74711	4.41964	6.19599	9.57635	3.40145	2.20336	0.925317	2.7604	2.62949	1.35909	3.27661	3.28644	4.07737
ZNF77	0.964294	1.35011	1.17314	1.15741	0.898729	1.20748	1.02328	0.856984	0.994787	0.783127	0.934887	0.803621	0.944215	1.41115	0.928663
ZNF770	8.67864	11.3881	10.7395	16.0004	3.07495	12.1065	7.8234	13.606	30.4103	16.2136	17.6521	15.3254	18.969	12.9992	6.03964
ZNF771	0.5408	0.536458	0.565814	0.639267	1.75422	1.11058	0.617468	0.254445	0.445546	0.439197	1.38259	0.170716	0.297609	0.415655	0.456857
ZNF772	1.18726	1.2161	1.62873	0.585347	0.742998	0.59803	1.10689	1.27148	0.483717	0.83083	1.09922	0.375865	0.760505	0.826793	0.723729
ZNF773	1.13577	1.04599	1.13699	0.62544	1.0957	1.06805	0.971903	1.28289	0.414356	0.455285	0.782533	0.317672	0.608999	0.571346	0.692695
ZNF774	0.491066	0.52174	0.666657	0.324396	0.312941	0.600401	0.517554	0.50356	0.107345	0.173839	0.227427	0.0900951	0.0812393	0.368527	0.198912
ZNF775	0.406911	0.446027	0.429197	1.28945	1.20094	2.08754	0.383293	0.207936	0.111504	1.0342	0.976122	0.211088	0.564454	0.531673	0.438281
ZNF776	3.17872	2.56804	2.98776	1.96456	1.3312	2.32317	2.0618	2.7667	1.7626	2.02499	2.51237	1.26707	2.34429	1.90128	2.14124
ZNF777	2.76481	2.18513	2.59886	3.95164	3.30002	4.24654	2.91593	2.01525	1.9818	2.41112	1.5393	1.73573	5.17654	2.31123	2.28284
ZNF778	2.14881	1.78325	1.75642	1.34848	1.51449	2.40317	1.94811	1.63036	2.17954	1.31226	0.890647	1.55589	1.88716	1.25717	1.087
ZNF780A	1.14115	1.28595	1.19344	1.33656	0.481388	1.27619	0.570054	1.17413	0.406632	1.0288	1.16195	0.592853	0.784676	1.0887	1.09702
ZNF780B	1.0735	1.32467	1.32598	0.898207	0.354658	0.747926	0.777863	1.04322	0.246257	0.721188	0.9442	0.382715	0.419658	0.892519	0.956036
ZNF781	0.15468	0.0851738	0.121869	0.0683152	0.0457659	0.144251	0.0504596	0.196381	0.0269118	0.0462236	0.157984	0.0368925	0.0760371	0.165535	0.264452
ZNF782	2.33842	2.13716	2.36393	1.23192	0.871445	0.8661	1.21524	2.0782	0.887586	0.987094	0.94701	1.00918	0.476977	1.24135	1.4683
ZNF783	1.85581	2.50555	2.46709	2.32815	4.90447	2.78859	2.35686	1.56109	1.02735	1.20939	1.20993	1.76104	1.73842	2.31592	2.78632
ZNF784	1.22904	1.49718	1.39084	1.80425	3.72819	2.46819	1.28413	0.958311	1.84986	1.39705	0.680627	1.31912	1.45877	0.993824	1.56524
ZNF785	1.27636	1.85446	1.81877	1.20526	4.18397	2.47457	1.47295	1.16539	0.423	0.854059	1.14425	0.954459	1.05186	1.80044	2.17843
ZNF786	1.3951	1.60027	1.52321	2.19667	2.24407	1.82709	0.865167	1.27132	1.7422	1.09326	0.943336	1.03877	1.36159	1.14738	0.732257
ZNF787	3.47499	2.89391	2.94042	6.0442	7.72687	7.53995	2.68872	1.56765	2.9002	3.81905	3.1064	2.89033	6.78873	3.95964	2.64725
ZNF788P	1.02654	1.41116	1.7868	2.12323	1.24888	0.63633	0.643332	1.2242	3.03014	0.589082	1.15162	0.46324	0.807433	0.378852	0.659112
ZNF789	2.06436	2.5011	2.65462	1.21288	1.05568	1.23834	1.77722	2.00751	0.506995	0.634835	0.67649	0.830213	0.208447	1.1438	1.1791
ZNF79	1.5037	1.67452	1.87007	1.88826	2.16561	2.9169	2.0125	1.20361	1.37047	1.59983	1.95605	0.904929	1.41351	1.53016	1.91638
ZNF790	1.65481	1.53991	1.65754	0.994778	0.756029	1.27091	0.842826	1.62205	0.543361	0.906125	1.29117	0.557206	0.758887	0.932712	1.08341
ZNF790-AS1	0.878294	0.899248	1.34419	0.407298	0.409288	0.46741	0.827316	0.839096	0.133708	0.358264	0.594891	0.1414	0.0991674	0.252469	0.220735

ZNF791	6.45594	5.35411	5.4232	3.94785	2.36299	3.56999	3.96095	5.31708	3.37776	3.17828	5.17277	2.16368	3.06416	3.45488	3.99635
ZNF792	1.77382	0.995186	0.768186	1.17162	1.79376	1.83984	1.27091	0.872854	0.282726	0.90398	1.63285	0.477022	0.779617	1.19462	1.89775
ZNF793	0.519039	0.775838	0.679474	0.368411	0.414933	0.310901	0.434524	0.783771	0.193947	0.187804	0.242142	0.334457	0.161459	0.369067	0.406507
ZNF793-AS1	0.132095	0.318227	0.240412	0.24503	0.123114	0.382422	0.211151	0.117395	0.289578	0.298427	0.149119	0.0567105	0.1875	0.110462	0.303528
ZNF799	1.08981	1.09123	1.05387	0.979782	0.666879	0.792602	0.595568	0.815443	0.501373	0.862534	1.08114	0.354269	0.578329	0.738954	1.19217
ZNF8	2.17944	3.07936	2.86334	2.50662	3.86784	3.021	2.68456	2.1719	2.77874	1.56799	2.54782	1.73951	1.76666	2.1403	2.48141
ZNF8-ERVK3-1	0.882411	0.681778	0.812228	0.373101	0.983139	0.578045	0.644104	0.742381	0.129048	0.295298	0.241312	0.481315	0.233232	0.952222	0.780513
ZNF80	0.0471345	0.019196	0.0454918	0.0404779	0.0488108	0.0492263	0.0269083	0.0700905	0	0.00985978	0	4.47E-36	0.00506849	0.0249969	0
ZNF800	4.3564	4.62769	5.91981	5.08975	3.24335	4.33716	3.80261	5.29196	10.3098	4.87243	7.09448	4.47832	6.23349	4.88242	3.49467
ZNF804A	0	0.00952032	0.0245194	0.0356344	0.0230197	0.0420619	0.00564013	0.0219505	0	0.0681998	0.139411	0.00353457	0.0828658	0.00258177	0.0141884
ZNF804B	0	0	0	0	0	0	0	0.00334161	0.00457931	0	0	0	0	0	0
ZNF805	2.36428	2.13167	2.35676	1.42656	1.47046	1.69659	1.88022	2.28937	1.49384	1.65721	2.4176	1.23364	1.85428	1.46382	2.12219
ZNF806	0.0253095	0.0147999	0.0125627	0	0.00786289	0.00431015	0.00577952	0.0134958	0	0.00635322	0	0.0108658	0	0.00264558	0.0581563
ZNF807	0.0663668	0.0411127	0.00784333	0.0195408	0	0.0807292	0.0324752	0.0421295	0	0	0	0	0	0.0148655	0
ZNF808	3.63382	3.47197	3.87031	2.40097	0.972203	1.93638	2.00282	2.68661	0.98539	1.45743	1.83247	1.19428	1.59971	2.27031	2.44728
ZNF81	1.23092	1.31243	1.28141	1.487	0.681566	1.03056	1.17679	1.26405	0.753147	0.964657	1.17348	1.02404	0.691585	1.02964	1.26872
ZNF812P	0.0795	0.218568	0.186344	0.68409	0.167665	0.191512	0.0803945	0.440476	0.384767	0.947395	0.300266	0.362175	0.926832	0.581153	0.253438
ZNF813	0.907299	0.853387	0.866545	0.983324	0.162662	0.662685	0.512077	0.886504	0.602941	0.779247	1.13454	0.302299	0.558396	0.730362	0.497176
ZNF814	2.4043	2.42893	2.64491	1.00211	1.2791	0.903057	1.86824	2.42914	0.824744	0.998328	0.843069	1.36887	0.807669	2.25186	1.45947
ZNF815P	0.285596	0.399227	0.184245	0.30462	0.828321	0.265448	0.430877	0.284345	0.199827	0.149758	0.369052	0.232877	0.0952754	0.185871	0.164945
ZNF816	1.26368	1.35239	1.35009	0.86497	0.306674	1.08008	0.477944	0.746002	0.425847	1.12857	1.32042	0.412864	0.618774	0.728407	0.608603
ZNF816-ZNF321P	0.1034	0.223977	0.090773	0.00135059	0.703621	0.0495589	0.0898354	0.00114893	0.142048	0.0865573	0.198208	0.0644858	0.0425274	0.129218	0.0595328
ZNF818P	1.01961	0.978997	0.928454	1.05074	1.70915	0.786991	0.770525	0.814882	0.330545	0.533984	1.06821	0.215194	0.373886	0.306702	0.51619
ZNF821	1.1388	1.1518	1.37032	0.785611	2.11982	1.34632	1.05309	0.844786	1.24938	1.0395	1.0412	0.774436	1.0748	0.664051	0.554164
ZNF823	2.26819	2.30361	2.55378	2.18225	0.730971	1.71496	1.02085	1.46374	2.79678	2.44519	3.48484	1.89232	1.94921	1.52486	1.5003
ZNF826P	0.109165	0.07013	0.0301031	0	0.0565238	0.0929529	0	0.355729	0	0.228356	0.082156	0.0781107	0.0704329	0.095091	0

ZNF827	1.90558	1.45444	0.994479	1.6334	2.01025	2.11542	1.80633	1.41127	0.701297	1.05801	1.50447	0.917493	2.10274	1.69714	2.76224
ZNF829	0.60868	0.461157	0.525435	0.381812	0.239798	0.555839	0.282017	0.556623	0.257845	0.420729	0.76181	0.167267	0.395562	0.297375	0.544755
ZNF83	4.73796	5.26382	6.80895	1.85109	1.15293	1.42974	2.49008	3.0408	1.2999	2.80177	2.36571	2.84883	2.497	3.43457	3.75732
ZNF830	2.75147	3.17629	3.03879	3.46877	2.95056	4.57864	2.98207	2.4701	3.91231	2.36653	3.516	2.13864	3.46936	2.70818	2.50727
ZNF831	0.223973	0.0972408	0.150672	0.17501	0.263798	0.121551	0.118027	0.188112	0.00299752	0.0185347	0.0250059	0.0528325	0.084163	0.124776	0.367604
ZNF833P	0.497576	0.551958	0.469066	0.357744	0.0718983	0.118236	0.343512	0.555326	0.169114	0.188805	0.0783769	0.149035	0.111988	0.211672	0.0332363
ZNF835	0.133486	0.100493	0.151839	0.0515853	0.544291	0.0568306	0.104781	0.126045	0.0101606	0.0628268	0.0282541	0.0179086	0.0430621	0.0479637	0
ZNF836	1.89037	2.04258	1.91548	1.34867	1.12938	1.59534	1.18774	1.61042	1.58706	1.11611	1.69835	0.70832	1.05728	1.33583	1.4056
ZNF837	0.853777	0.83918	0.866401	0.586561	2.0512	1.23102	0.84484	0.556428	0.845707	0.357193	0.514031	0.464284	0.433337	0.333178	0.343317
ZNF839	1.82242	2.03587	2.13025	1.95007	2.28805	2.27044	1.67567	1.47628	1.78738	1.03908	1.04988	1.31553	1.34576	1.19972	1.10402
ZNF84	0.958586	1.03544	1.06207	0.545242	0.350499	0.62277	0.470841	0.824251	0.322187	0.73828	0.992538	0.30843	0.324299	0.592903	0.78219
ZNF841	3.65305	3.62915	3.93997	2.19893	1.62411	2.12213	2.39243	3.76992	1.43449	2.87631	3.03988	2.41842	2.08984	7.49872	3.41986
ZNF843	0.247002	0.206973	0.266528	0.121738	0.433725	0.448072	0.294281	0.248148	0.15695	0.134788	0.290958	0.146	0.173222	0.0673535	0.123383
ZNF844	2.77297	2.47405	2.30734	1.86909	0.951631	1.77086	1.59225	1.99158	1.72785	1.44678	2.18396	1.07858	1.1702	0.813111	1.49338
ZNF845	1.49935	1.25652	1.05695	1.31661	0.276956	1.32379	0.72037	1.03604	1.14105	1.21865	1.82244	0.557084	1.46611	0.981737	1.3199
ZNF846	1.77955	2.52959	2.18995	1.65141	2.57172	1.24387	1.11195	1.92772	2.26434	1.63347	2.70851	2.03984	1.13673	1.42981	1.4622
ZNF847P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZNF85	1.00622	0.589803	0.514295	0.554795	0.258842	0.474778	0.439058	0.637933	1.07716	0.933105	1.70746	0.729149	0.343212	0.509146	0.773152
ZNF850	0.986148	0.779871	0.962114	0.352137	0.195553	0.387844	0.540731	0.724569	0.124118	0.316013	0.527858	0.197315	0.266881	0.368848	0.555302
ZNF852	1.3254	1.76809	1.52885	1.06536	1.06794	1.70721	1.29483	1.14934	0.513914	0.737231	0.961012	0.857084	0.72006	1.05252	0.98409
ZNF853	0.976778	0.531259	0.530445	0.376702	1.12632	1.71446	0.561048	0.356818	0.124069	0.218115	0.49383	0.107195	0.235846	0.216104	0.628237
ZNF860	0.570275	0.799955	0.621066	0.791299	0.381245	0.522461	0.370892	0.282275	0.465951	0.869776	0.717111	0.717956	0.950119	0.64892	0.435411
ZNF862	1.17214	2.33763	2.1432	1.32116	3.48112	1.99612	1.38013	0.932201	0.6286	0.626912	0.601453	0.721945	0.337308	0.713552	1.38206
ZNF865	2.31477	2.68223	2.58034	2.58784	5.6586	5.51481	3.56129	2.05718	1.12765	1.49666	1.96906	1.1778	2.3956	2.14831	2.40425
ZNF876P	0.923236	0.423443	0.572825	0.283597	0.0413684	0.241884	0.547332	0.749491	0.0973037	0.17827	0.290619	0.0508154	0.108824	0.338695	0.509955
ZNF878	0.105076	0.101255	0.0977923	1.4483	0.285635	0.357884	0.0449898	0.140075	0.191957	1.31882	0.489299	0.4981	2.22028	0.741386	0.26408

ZNF879	0.695796	0.739954	0.627469	0.549083	0.36027	0.624486	0.314912	0.462381	0.5573	0.464184	0.757162	0.363304	0.279061	0.602813	0.297075
ZNF880	2.64989	1.89788	2.48842	1.32849	0.365531	2.19536	1.19153	2.03676	0.647946	0.975935	1.96346	0.241584	0.69312	0.973207	1.39587
ZNF883	0.107009	0.299976	0.169002	0.200501	0.0453331	0.1988	0.133286	0.181555	0.0710861	0.476179	0.713815	0.132253	0.00627649	0.208457	0.265444
ZNF888	1.40453	1.51188	1.31162	1.54	0.410325	1.08971	0.896929	1.28405	0.747989	1.1369	1.56099	0.405887	0.882393	1.18101	1.41284
ZNF890P	0.0313668	2.40E-29	0.0219742	0.0586428	8.84E-16	1.83E-08	1.61E-18	2.39E-21	0	0.0441955	0.148116	0.116224	0.0185028	0.0573314	3.46E-23
ZNF891	1.03506	1.19108	1.27194	0.88025	0.639998	0.53907	0.883477	0.910941	0.45283	0.466668	0.930222	0.352329	0.382534	0.640755	1.28443
ZNF90	0.431658	0.294143	0.392808	0.196999	0.0478939	0.183776	0.211223	0.339779	0.00751016	0.0696568	0.146187	0.0485356	0.167102	0.207041	0.37195
ZNF91	8.2258	8.29008	7.32938	4.12732	1.46752	4.03169	3.24944	7.44928	7.97955	3.42912	4.77395	3.61413	1.83893	2.94367	3.3969
ZNF92	1.37113	0.81745	0.956705	0.863494	0.0752974	0.595544	0.672064	1.24932	0.548194	0.903913	1.50875	0.227928	0.839969	0.53565	0.447527
ZNF93	0.737198	0.68245	0.664681	0.776776	0.0771993	0.543079	0.312094	0.426958	0.332901	0.758921	1.80467	0.242999	0.539767	0.441571	0.38066
ZNF98	0.0256637	0.0106779	0.0211645	0.068313	5.55E-29	5.77E-26	0.0172096	0.0131938	2.17E-27	1.57E-25	1.01E-10	0.0113044	0.0324253	1.45E-18	1.21E-24
ZNF99	0.0792872	0.00848928	0.00242933	0.00605243	0.00912299	0.0100018	0.0100586	0.023488	0	0	0.0232051	0	0	0.00153478	0.0253037
ZNFX1	6.57955	6.36895	7.12658	10.1237	6.38099	15.89	7.82787	5.772	4.86909	5.88112	4.88548	4.25841	8.98865	6.07487	9.27767
ZNHIT1	8.7784	6.72417	7.22991	16.2073	17.899	23.3688	11.7119	5.51814	11.26	14.2914	30.1027	8.99699	15.3336	10.2543	9.78362
ZNHIT2	1.62833	2.18673	1.97761	3.99873	7.31899	4.26275	2.15585	1.30857	6.07594	2.41333	4.84967	3.86718	3.57647	2.3992	1.06973
ZNHIT3	3.76309	3.81097	3.43715	3.49539	2.60733	3.57717	3.06331	3.17184	2.70975	3.29985	6.49885	2.25239	2.33631	2.83506	2.11852
ZNHIT6	2.00919	1.78676	1.90621	2.14751	0.817948	2.09875	0.882649	2.00133	1.15526	1.09213	1.09191	1.12766	1.53728	1.90111	1.72162
ZNRD1	0.527102	0.434916	0.414253	1.26971	0.747128	1.02387	0.402472	0.363044	0.718182	0.959271	1.77022	0.612877	1.01813	0.943541	0.525158
ZNRD1ASP	0.0343575	0.0603264	0.065318	0.0217885	0.031303	0.0362874	0.0226317	0.0372868	0.00523044	0.0132684	0.00857752	0.021038	0.00426293	0.0252085	0.0246708
ZNRF1	2.37774	3.01812	3.21503	3.20191	5.76521	4.49584	2.79468	2.91223	2.21446	1.70532	3.34958	1.7764	3.2906	2.40449	2.84084
ZNRF2	3.85272	4.99524	5.716	6.48626	8.7691	4.26014	3.99415	5.17757	6.54949	6.14518	6.90894	4.57539	6.68909	3.57973	3.28521
ZNRF2P1	0.864735	0.69368	0.724783	0.809057	2.53005	1.38271	0.839823	0.566267	0.15243	0.851602	0.911956	0.453686	0.800179	0.71955	0.964083
ZNRF2P2	0.786697	0.497208	0.799584	0.474183	2.28872	0.936168	0.383274	0.353471	0.146456	0.157584	0.3343	0.17099	0.0515769	0.252473	0.120313
ZNRF3	2.16048	2.6633	2.28785	1.32811	2.40015	1.53689	3.20054	1.80764	2.9934	0.823782	1.11912	1.27437	1.36746	1.28817	0.810043
ZNRF3-AS1	0.680146	0.688567	0.549588	0.165463	0.364461	0.141257	0.709233	0.512316	0.10391	0.136251	0.0601973	0.404448	0.020643	0.234108	0.283153
ZNRF4	0	0.00773278	0.0132771	0	0	0	0.0183245	0.0142633	0	0	0	0	0	0	0

ZP1	0.0234717	0.022618	0.0097087	0.0241882	0	0.0699503	0.0669979	0.0312895	0.0428788	0.0294593	0.092738	0.0167946	0	0	0.0337083
ZP2	0	0.0243376	0.0139291	0	0.0130772	0	0.00961222	0	0	0	0.00950368	0.0180714	0	0.00439999	0.0241807
ZP3	1.15575	0.889998	0.576186	1.73252	2.02202	2.36526	0.811641	0.832042	0.716513	0.328923	0.604205	0.656814	0.658524	0.503493	0.203678
ZP4	0	0	0	0.597765	0.0183883	0	0	0	0.0288344	0.0148578	0.0400905	0.203288	0.030551	0.030935	0
ZBPB	0.0377538	0.0181903	0	0	0	0	0	0.0503286	0	0	0	0	0	0	0
ZBPB2	0	0	0	0	0	0	0	0.00911281	0	0	0	0	0	0.0107183	0
ZPLD1	0.00619959	0	0.0102575	0.0127777	0	0	0	0.00550968	0	0.00778112	0	0.00443597	0.00399994	0.00324017	0
ZPR1	5.7109	3.96766	4.25556	9.98513	5.58176	10.2629	4.94532	3.60219	8.41401	8.36243	9.94796	6.32073	14.0762	8.17175	4.26973
ZRANB1	6.72001	5.95891	6.52003	6.30745	4.22632	6.85444	5.56604	6.08039	23.0128	8.64001	10.2769	6.28938	8.54151	7.07329	4.90273
ZRANB2	8.29097	8.37492	8.40877	8.36113	3.15169	8.37857	5.53973	10.065	6.82741	6.94125	8.92886	5.11172	6.80464	7.47918	6.7297
ZRANB2-AS1	1.12637	1.37715	1.82932	0.924388	0.318491	0.916941	1.17634	0.732773	1.53337	1.14885	1.63962	1.25337	0.17384	0.40545	1.4071
ZRANB2-AS2	0.0886707	0.270578	0.146709	0.182755	0.0459121	0.251673	0.0337471	0.236409	0.071994	0.0741939	0.100098	0.0422975	0	0.0772386	0
ZRANB3	0.632844	0.581389	0.629324	0.594719	0.183362	0.471849	0.333201	0.512879	0.135777	0.444469	0.521921	0.16658	0.258101	0.419866	0.423813
ZRSR2	1.84609	1.58979	1.73416	1.77679	1.84785	2.86917	0.907365	1.21931	1.26563	1.17264	1.11972	0.878615	1.51195	1.53633	1.70457
ZSCAN1	0.0450692	0.0814314	0.08389	0	0.280032	0.0383759	0.0385939	0.0600807	0	0	0	0.00806206	0	0.0294439	0.0323626
ZSCAN10	0.00844945	0	0.00698998	0	0	0.0287784	0	0	0	0	0	0	0	0.00441605	0
ZSCAN12	1.02064	0.674615	0.613357	0.573362	0.372026	0.916121	0.437525	0.69421	0.417332	0.670562	0.9442	0.316373	0.444554	0.681712	1.05831
ZSCAN12P1	0.0856093	0.0879955	0.0519362	0.264669	0.0620577	0.106913	0.0716804	0.121732	0.743739	0.293693	0.322141	0.322614	0.184116	0.128264	0.221302
ZSCAN16	0.937995	1.09644	1.10578	0.796883	0.514785	0.850979	0.996411	1.04064	0.443974	0.48527	0.885401	0.403118	0.498914	0.529128	0.682178
ZSCAN16-AS1	0.477355	0.275452	0.262748	0.360035	0.394684	0.554671	0.265939	0.272864	0.10315	0.292329	0.920255	0.14393	0.136613	0.322878	0.47133
ZSCAN18	2.52229	2.25998	3.3394	1.47445	5.77387	2.47424	1.81886	1.63859	0.520958	0.684981	1.25438	0.770454	1.0056	1.4159	1.60992
ZSCAN2	0.6516	0.590333	0.640922	0.57694	1.23752	1.05105	0.661172	0.50157	0.19831	0.428518	0.628533	0.312058	0.349063	0.398136	0.859951
ZSCAN20	0.5377	0.457342	0.408511	1.05169	1.18467	1.29411	0.507431	0.38034	0.273971	0.833256	0.526477	0.510368	0.934564	1.1155	1.11103
ZSCAN21	1.34149	1.61128	1.57911	1.82593	1.60025	2.43727	1.63731	1.31209	1.31395	1.36583	1.99408	0.714234	0.926099	1.54057	1.47583
ZSCAN22	0.730329	1.15573	1.1523	1.05908	1.74615	1.2791	1.00273	0.885831	1.72446	0.897594	0.858023	1.10719	1.29236	1.28168	0.713524
ZSCAN23	0.0878572	0.144631	0.145363	0.135809	0.1251	0.317939	0.0835938	0.110614	0.0445834	0.0827024	0.14877	0.151922	0.00472375	0.424742	0.504696

ZSCAN25	1.99933	1.94095	1.87396	1.60573	2.07785	1.76206	1.74136	1.96152	0.886846	0.924325	0.957182	1.09495	1.21491	1.21791	1.11056
ZSCAN26	1.92661	1.62828	1.77673	1.52162	1.00574	1.82874	1.15396	1.27013	0.567367	1.20905	1.65792	0.564977	0.886431	1.26279	1.95041
ZSCAN29	1.95232	2.00462	1.72436	2.51809	2.3466	2.83468	1.68714	1.30955	2.06604	1.84943	1.34193	1.89015	2.46866	2.37079	2.19916
ZSCAN30	1.31571	1.465	1.21568	1.66052	1.19941	1.73191	0.865196	1.0921	0.595669	1.22165	1.34341	0.918194	0.796517	1.63713	1.76251
ZSCAN31	0.532678	1.4851	0.688812	0.76745	2.20916	1.18016	0.419241	0.450419	5.80721	2.55743	2.08421	2.4608	1.04439	1.26226	0.460481
ZSCAN32	1.70774	1.65588	1.60035	2.03736	1.7061	3.29439	1.49677	1.2595	1.44121	1.56529	2.30379	1.10025	2.06649	1.3851	1.74018
ZSCAN4	0.0515206	0.203552	0.144913	0.0106187	0.0320117	0.00877382	0	0.0549447	0	0.0258655	0	0.0147457	0	0.0269269	0
ZSCAN5A	0.573525	0.429773	0.475428	0.497006	0.465689	0.532401	0.461359	0.278019	0.396869	0.310837	0.610652	0.349229	0.605356	0.374687	0.421187
ZSCAN5B	0	0.0077918	0.0470986	0	0.0663268	0.0249887	0.0162509	0	0	0	0	0.0520573	0.0187083	0	0
ZSCAN5C	0	0	0	0	0	0	0	0	0	0	0.0175222	0	0	0.00811239	0
ZSCAN9	1.87919	1.13633	1.08509	1.27371	1.35177	1.68602	1.1664	1.4459	0.47616	0.775639	1.50917	0.586575	0.667251	1.1008	0.978073
ZSWIM1	1.73483	1.89607	1.75479	2.73357	2.20571	2.72221	2.74113	1.87533	1.75971	1.47519	3.05596	1.39961	2.03649	1.46981	1.71727
ZSWIM2	0	0.00911748	0	0.0390018	0	0	0	0	0	0.0118753	0	0	0.00610457	0.00989008	0
ZSWIM3	0.241398	0.408959	0.347867	0.922847	0.532222	1.15372	0.213383	0.249137	0.673345	0.566864	0.791152	0.45689	0.462222	0.468032	0.346678
ZSWIM4	1.08275	2.27177	2.36065	5.14478	6.25527	4.06927	3.62957	1.54056	8.28225	4.54548	2.63123	5.60251	6.20465	4.22885	3.98315
ZSWIM5	0.622594	0.494864	0.456003	0.204332	0.351114	0.59091	0.470887	0.50397	0.12557	0.0895895	0.102963	0.0595869	0.138162	0.178242	0.256278
ZSWIM6	2.69575	2.58352	2.20576	3.54082	1.52211	3.23718	2.22801	2.43687	3.62628	4.14353	4.7048	3.25291	4.72944	3.63109	4.11906
ZSWIM7	2.06458	2.84453	2.66635	2.73668	1.15663	2.47618	1.68842	2.22807	1.50317	1.89594	3.0513	1.39928	1.3933	2.04942	1.67781
ZSWIM8	7.85515	10.8498	10.7272	10.9141	21.0714	15.454	11.7687	8.20944	16.7168	8.85034	6.3958	12.3149	11.0236	9.86733	8.89582
ZSWIM8-AS1	1.85662	1.8376	1.84719	0.986902	1.72767	1.32554	2.12964	1.61956	0.830475	1.06735	0.209586	1.12439	0.470651	1.60757	1.50708
ZSWIM9	0.99977	0.966516	1.08321	0.983762	3.13603	2.57035	0.751184	0.475784	0.282799	0.356205	0.342225	0.443063	0.769894	0.57309	0.66695
ZUP1	1.56293	1.59871	1.56262	2.00685	0.415447	1.74358	1.23102	1.88666	1.74061	1.93017	2.47198	1.21998	1.88737	1.78223	1.6084
ZW10	3.18727	3.65385	3.69533	4.61944	1.756	4.37169	3.60327	3.41166	7.00816	3.57667	4.33359	3.22427	4.2901	2.63411	1.93916
ZWILCH	1.40679	1.04183	1.0007	2.66158	0.381084	1.98923	0.696886	1.08167	1.04369	2.64537	3.73901	1.11617	3.46468	2.07495	1.99707
ZWINT	1.12527	0.807234	0.620602	4.2906	1.43719	4.47139	1.08494	0.82226	1.005	2.77758	4.00847	1.4314	4.38031	2.86215	1.40056
ZXDA	1.50413	1.17054	1.4525	0.590752	0.816644	0.96185	1.09569	1.41524	0.302366	0.446971	0.932178	0.30472	0.503296	0.410211	0.573359

ZXDB	2.02134	1.68922	2.1385	1.09947	1.20924	1.41802	1.74323	1.87346	1.14987	1.29183	1.48788	1.10427	1.17928	0.884359	1.36212
ZXDC	6.0598	5.37496	5.44719	3.88145	5.27704	4.72957	5.32118	4.14875	3.95282	3.29303	2.98378	3.86871	3.38311	4.10568	3.8517
ZYG11A	0.0812797	0.154037	0.0762057	0.0446726	0.117838	0.184556	0.160858	0.149285	0.184781	0.102014	0.140691	0.0969297	0.0874021	0.246386	0.0466912
ZYG11B	3.70084	3.10471	3.55775	3.44767	1.61157	3.80712	3.64782	3.19806	3.576	3.58894	5.87843	2.25838	3.7412	3.22222	3.2575
ZYX	18.8713	16.2525	21.7172	52.6083	28.7531	96.4277	31.0721	14.6859	35.1704	41.6323	75.9429	24.8973	101.373	49.1553	47.7089
ZZEF1	7.67305	7.43117	7.7792	5.87501	7.82395	8.30091	9.26869	6.20729	5.05833	4.95289	3.2786	5.49754	6.07623	5.12801	6.27101
ZZZ3	4.528	4.25315	4.34256	5.02154	1.34987	4.45167	3.02884	3.84901	2.52377	3.68276	4.59917	2.67852	4.00877	3.64814	3.13264

DFS, diabetic foot skin; DFU, diabetic foot ulcer.

Supplementary Table 2. The gene expression matrix of the GSE80178 dataset, modified according to the NetworkAnalyst file upload requirements.

#NAME	GSM211423 7	GSM211423 8	GSM211423 9	GSM211423 1	GSM211423 2	GSM211423 3	GSM211423 4	GSM211423 5	GSM211423 6
#CLASS	DFS	DFS	DFS	DFU	DFU	DFU	DFU	DFU	DFU
DDX11L1	6.36201	5.95529	6.52406	6.00201	10.2399	6.23718	6.61285	6.48685	6.65763
LINC01000	10.5671	10.2014	10.745	9.26543	10.8643	9.84103	8.68276	11.1539	10.6143
RPL23AP87	7.57841	7.97144	7.72151	7.04584	8.85889	8.35241	7.94656	7.42224	7.84184
LINC01128	6.89836	6.60739	6.82861	6.62397	7.01661	8.60592	7.15058	8.808	7.71298
SAMD11	5.85841	5.92626	5.97857	6.65674	6.12942	7.17527	6.68733	6.49594	6.4952
KLHL17	6.58803	6.5448	6.29779	7.11198	6.23526	7.24646	7.00814	6.92682	6.95621
ISG15	6.17364	6.37127	6.33556	6.63838	6.37498	7.37832	7.05864	7.15647	6.79273
AGRN	7.47395	7.1522	7.19858	8.04655	6.8601	7.59796	7.91377	8.09215	7.74508
LINC01342	5.47024	5.83075	5.30582	6.48297	6.54805	6.57103	6.6426	6.16082	5.98502
mir200b	6.01306	5.956	6.00522	6.32452	5.22935	6.59472	6.09572	5.84529	6.02483
mir200a	5.13666	4.77495	5.15641	5.27377	4.98316	5.14184	4.89351	5.11184	5.12965
mir429	4.42325	4.43479	4.0936	5.13483	4.35745	5.14537	4.57318	4.56085	4.78539

PUSL1	6.87779	6.60595	6.71328	7.5733	6.38015	7.97414	7.85495	7.82248	7.47419
CPTP	7.24153	6.82479	6.92985	7.81764	6.26559	8.27393	8.30175	7.79251	8.26645
LOC148413	5.83511	5.71993	5.55839	6.23741	5.97629	6.17611	6.18262	6.0055	6.04063
tmem88b	8.18606	8.15612	7.97945	9.03663	9.26998	9.31881	8.84218	9.3265	8.82311
VWA1	6.82535	6.6794	6.64433	7.46353	8.11522	8.18197	7.51704	7.61998	7.5689
MIB2	7.99371	7.77811	7.95364	8.5902	8.48945	8.63401	8.25339	8.37861	8.24212
MMP23B	5.7345	5.7163	5.77807	6.53903	6.57646	6.7741	6.46105	6.56345	6.38655
MMP23A	7.3483	7.20173	7.3715	7.92227	7.48093	8.03457	7.65143	7.98675	7.89106
CALML6	6.1475	6.45919	6.37643	6.81896	6.91139	6.68777	6.27175	6.63163	6.85844
SKI	7.78841	7.64716	7.84074	7.54434	5.75477	7.23365	7.87229	7.06595	7.44363
RER1	7.12401	7.03849	6.95915	7.595	6.94219	7.80368	7.58329	7.79287	7.6576
LOC115110	5.13052	5.43223	5.33127	5.21979	7.2832	5.58267	5.45504	5.96835	5.61882
ACTRT2	4.72069	5.24913	5.34028	5.79983	5.43107	6.14662	5.78268	5.2566	5.52345
PRDM16	5.65764	5.70004	5.9005	6.06726	6.5166	6.49743	5.81001	6.32935	6.09275
MIR4251	2.12296	2.78564	2.71502	2.53458	2.44651	3.79417	3.21627	2.87654	2.29875
ARHGEF16	6.21184	6.20243	6.13273	6.74356	6.62947	6.9113	6.62455	6.77606	6.49407
TPRG1L	9.10426	9.1464	8.93902	9.4434	7.69759	9.43384	9.95307	9.89328	9.68577
TP73	7.34793	6.88502	6.92276	6.63802	6.45584	6.86144	6.90021	6.44142	6.44081
CCDC27	5.37707	5.59096	5.25938	5.96079	6.36724	6.05193	5.79792	6.10646	5.99586
SMIM1	4.90265	5.227	5.16139	5.69189	5.67518	5.61171	5.36904	5.6971	5.5245
LINC01134	6.53331	6.53801	6.52639	6.82221	6.99656	7.11185	6.59022	6.95157	7.08569
LINC01346	6.07857	6.17669	6.26817	6.47091	7.70276	6.01052	6.32706	6.44644	6.44084
AJAP1	6.16102	6.41058	6.67096	8.54605	7.82516	11.0061	9.57048	9.70673	10.599
RNF207	6.4102	6.89891	6.58939	7.01897	6.89182	7.20069	6.84151	7.12694	6.956
HES3	5.85139	5.85979	5.82561	6.1918	5.80331	6.76029	6.5444	6.52963	5.94295
ESPN	6.44344	6.29994	6.69797	6.90094	7.15701	7.33348	7.37902	6.84688	6.87636

ZBTB48	6.86826	6.62433	6.7824	7.09403	7.1409	7.06809	7.05806	7.05521	7.14546
PHF13	7.50996	7.43896	7.19594	8.4269	8.48208	8.65512	8.09094	8.65447	7.96907
CAMTA1	7.44285	7.33843	7.11388	7.58702	7.07265	6.96453	7.41414	7.17506	6.98557
VAMP3	10.0737	9.56927	10.1908	9.60929	8.74698	9.58705	9.81969	9.94444	10.0095
PER3	8.17692	8.77255	7.83605	8.2392	6.41136	7.51666	7.79217	6.82819	8.17257
PARK7	7.36256	7.39222	7.55905	8.4221	6.40633	7.46237	8.49359	7.53332	7.58673
ENO1-AS1	4.16372	3.68833	4.01224	4.65163	5.69131	4.25874	4.08326	3.97067	4.31941
ca6	8.87282	7.4987	8.55535	6.3637	6.00744	5.43701	5.94622	5.38256	5.54771
H6PD	7.98875	7.72002	8.1144	7.11339	5.72198	6.95976	7.11084	6.57084	6.51218
SPSB1	6.95807	6.63997	7.13851	7.29048	5.98695	7.3531	7.19817	7.45403	7.56507
TMEM201	6.61858	6.47358	6.57125	6.60996	5.78568	6.41412	6.46838	6.47817	6.12298
NMNAT1	6.36912	6.89062	6.33189	6.39305	6.39768	7.03017	6.79165	6.50411	6.8678
UBE4B	10.0667	9.84242	9.65467	9.07614	7.38933	8.5043	8.98635	8.57701	9.11139
KIF1B	9.29955	9.30003	9.20113	8.36302	7.11498	8.81983	8.8307	9.08095	9.42441
PGD	8.74385	8.26667	8.3178	8.71444	6.28531	8.74143	8.89853	8.034	8.60798
PEX14	6.73546	6.7483	6.71248	7.01274	7.2876	7.12142	7.22549	7.03305	7.21019
TARDBP	8.23828	8.44488	8.39708	7.67989	5.30564	6.87577	7.57159	7.37456	7.62519
EXOSC10	5.87605	5.93928	5.82213	6.3828	6.31224	6.80812	6.62597	6.33658	6.07049
MTOR-AS1	4.21368	4.20634	4.31954	4.53114	5.09183	4.32289	4.58914	4.14196	4.49636
ANGPTL7	5.62433	9.1179	8.23748	6.10274	6.28356	5.83301	5.73096	5.98823	5.78719
UBIAD1	7.26949	7.42876	7.4966	7.32989	7.03955	6.67871	7.68886	6.46246	6.96729
DISP3	5.53657	5.36501	5.27879	5.75467	6.42453	5.9713	5.12883	5.13956	5.54312
FBXO44	6.91663	7.21662	6.85795	6.69735	6.493	6.71259	7.01642	6.91198	6.72549
FBXO6	6.47329	6.7599	6.44578	6.75428	6.19653	6.86634	7.40484	6.78575	7.03157
DRAXIN	5.72516	5.82511	5.66416	5.94569	5.90486	6.36049	5.58829	6.36549	5.75039
AGTRAP	7.31163	7.31086	7.27652	7.90895	7.57003	7.55735	8.52822	7.94089	8.04343

NPPA-AS1	6.1081	5.37939	6.24216	5.43476	6.02307	5.56607	5.62677	5.86584	5.84321
MFN2	8.5099	8.86132	8.68094	8.72901	5.69297	8.15475	9.02482	7.98917	8.22132
miip	6.1098	6.01474	5.98936	6.9395	6.70291	6.42716	6.98975	6.67032	6.43055
VPS13D	10.0304	10.2093	10.0079	8.80083	6.76516	8.62109	9.053	9.14001	9.3056
AADACL4	4.45568	4.8004	4.55191	4.35935	5.46425	5.1316	4.81783	5.26341	5.07639
AADACL3	5.54137	6.09195	5.78975	6.11827	6.82116	6.19195	5.96336	6.42411	5.90768
c1orf158	3.49536	3.85081	3.25879	4.09884	4.76866	4.39875	3.99469	3.88332	3.7559
PRAMEF12	4.1688	4.42383	4.16408	3.70473	4.97998	4.74738	4.37545	4.57127	4.63606
PRAMEF2	4.79835	4.91935	4.89916	4.96087	5.83591	5.16061	4.59267	5.07673	5.20318
PRAMEF8	5.46777	5.44735	5.67689	5.3808	7.37767	6.41782	5.81852	5.97416	5.95609
PRAMEF22	6.98769	6.87406	6.90539	7.30293	7.79142	6.73003	7.29305	6.89259	6.93126
Pramef5	6.55932	6.59546	6.80202	6.79474	9.00496	7.07882	6.59823	7.12515	6.67219
PRAMEF15	5.28827	5.36625	5.58357	5.829	9.08208	6.17968	5.8746	5.99014	5.93863
PRAMEF20	4.77738	5.02037	5.59476	5.22076	6.88548	5.64996	5.18426	5.33689	5.34039
PRAMEF17	5.19795	5.3768	5.36052	5.65119	7.2654	5.71029	5.33703	5.70003	5.74876
PDPN	6.6819	6.45002	7.08025	7.74891	6.54111	7.24893	7.51578	7.26369	7.47784
TMEM51	6.73422	6.33006	6.39375	8.09849	6.33482	8.23134	7.43929	7.7105	7.83668
fhad1	5.15301	5.06031	5.22989	5.75219	5.95799	5.94016	5.25357	5.75586	5.60546
CTRC	6.82526	6.75677	6.95946	7.31091	7.00847	7.67522	7.38967	7.39006	7.26468
TMEM82	6.01611	6.15423	6.08716	7.02257	6.82162	7.12964	6.91263	6.80093	6.89697
FBLIM1	6.08518	5.71064	5.29232	7.44697	5.65745	8.33333	7.46717	7.89096	8.01418
C1orf64	5.16324	5.2615	5.699	5.64755	5.89502	4.99701	5.10613	5.70285	5.33535
SZRD1	7.87039	7.54999	7.60501	7.89953	6.83206	7.74287	8.03565	7.51467	7.92152
NECAP2	8.50577	8.14137	8.17147	8.28708	6.91606	8.0744	8.58498	8.02743	8.24216
MIR3675	1.94664	1.80673	1.87445	2.08404	2.11805	2.50942	2.24299	2.10491	1.90582
MST1P2	6.65074	6.4971	6.25034	7.29842	8.09315	7.70281	6.9857	7.13001	7.0201

MIR3972	5.87969	5.77626	5.83097	5.83536	8.28024	5.44667	5.28096	6.07552	6.01265
ARHGEF10L	7.86029	7.44244	7.32272	7.27299	6.49652	7.70785	7.3296	8.1129	7.77414
ACTL8	5.58215	5.98882	5.78019	6.00542	6.35345	6.28017	5.5999	5.89651	5.81957
KLHDC7A	5.687	5.92016	5.98842	6.60789	6.57736	6.07248	5.89336	5.84825	5.84459
PAX7	6.1987	6.42332	6.09896	6.71898	6.48059	6.98595	6.48936	6.40685	6.49677
MRTO4	6.75351	7.31079	7.00214	7.57837	6.55635	6.93679	7.59621	6.57297	6.77398
PQLC2	6.96544	7.26124	6.98176	7.35388	6.6379	7.68315	8.05846	7.20744	7.2264
OTUD3	6.44524	6.9014	6.62951	6.97904	5.67545	6.40823	6.86259	7.09213	6.53622
UBXN10	5.86409	6.12118	6.20933	6.49116	6.57284	6.62818	6.27216	6.97186	6.36569
VWA5B1	5.72715	5.65652	5.86838	5.826	6.37723	6.13145	6.16102	6.38027	5.87047
CDA	9.01324	6.67747	8.21346	11.4139	11.3652	11.6037	11.6758	11.6849	12.1106
PINK1	8.17963	8.09502	8.0362	8.54209	7.33256	8.78367	9.04504	9.07508	8.76288
LOC100506801	6.34234	6.18014	6.24584	6.35249	7.36023	6.51832	6.34624	6.49439	6.55534
LDLRAD2	5.15358	5.48946	5.53085	6.01132	5.78063	6.66158	5.91074	6.07393	6.08539
LINC00339	5.9954	6.22575	5.8394	5.37804	6.27436	5.20189	5.41933	5.16359	4.5595
ZBTB40	8.48741	8.6869	8.53986	7.22671	6.01221	6.46461	7.38669	7.48491	7.10697
EPHA8	5.6962	5.55155	5.92707	6.37163	6.37163	6.71261	5.8143	6.24076	6.03429
EPHB2	6.93319	6.11893	6.6798	6.51815	6.35722	6.42511	6.79502	6.11625	6.3922
MIR4684	3.16506	3.56861	3.25248	3.27191	2.97603	3.21281	3.44122	3.30025	3.29358
KDM1A	8.80392	8.67387	8.76449	8.84672	6.48694	8.50397	9.30152	8.89065	8.40033
MIR3115	4.85549	4.87007	4.68327	4.95611	4.30273	4.35188	3.7264	5.47453	4.29398
ZNF436-AS1	5.68706	5.53308	5.63799	5.81926	6.0752	6.0238	5.69924	5.44058	5.62433
RPL11	9.68479	10.0451	9.88006	10.1263	9.28746	10.1272	10.2137	9.27871	9.52511
PITHD1	7.98973	8.4545	8.03032	8.218	6.72675	8.10287	8.75523	8.34336	8.87962
MIR378F	5.53539	5.39346	5.3703	5.31435	6.30036	5.35669	4.61977	5.41837	5.36852
PNRC2	3.56455	3.25106	3.0412	4.47863	3.47456	3.72825	4.8687	3.3141	4.09397

LOC284632	5.28686	5.45376	5.31201	5.34381	6.40593	6.26099	5.91927	6.05772	5.27724
GRHL3	8.98366	8.74809	8.7462	8.94858	8.24943	9.85017	8.81027	9.18409	9.29178
NIPAL3	7.78189	7.61421	8.00981	6.69256	5.75617	5.85197	6.87701	7.32429	6.67609
RCAN3	8.72013	8.63417	8.80956	7.68484	5.96761	8.37242	8.85492	7.45286	7.86465
NCMAP	5.70238	5.94524	5.61089	6.44838	6.47243	6.28439	6.03856	6.18539	6.16014
SRRM1	10.2561	10.1627	10.2952	9.18734	7.35455	8.40843	9.45273	9.30436	9.33706
CLIC4	9.36623	8.72469	9.27486	9.65402	7.00993	9.34367	9.75984	10.3855	9.69147
MIR4425	3.93137	4.3685	4.12749	4.27119	4.36911	4.32136	4.44735	4.06888	4.46906
TMEM50A	12.1213	11.8917	12.0937	11.6937	11.6765	11.5243	11.8963	11.7402	11.8772
TMEM57	9.17755	9.09506	9.11586	9.02131	8.65103	10.4769	9.7355	10.1355	9.95885
LDLRAP1	7.44913	7.37345	7.16758	7.6099	7.04059	7.81359	7.71935	8.3606	7.5777
PAQR7	5.94709	5.67519	5.82754	6.09991	6.02764	6.42728	6.04468	6.24901	6.32701
EXTL1	5.44029	5.62968	5.40121	5.30889	5.37981	5.84225	5.24091	5.40548	5.41125
PDIK1L	6.98832	7.17688	7.07894	6.7028	6.69882	6.32804	7.00854	6.44003	6.34465
ZNF593	7.08573	6.85611	6.74427	7.92187	6.41923	8.20997	8.36385	7.37844	7.7704
CNKSR1	7.47128	7.29932	6.9344	7.29371	6.48346	8.10456	7.85262	7.74893	8.35049
CEP85	6.97615	6.99245	6.72564	6.73006	6.26973	6.60065	6.75169	6.75533	7.04206
SH3BGRL3	8.6251	8.33979	8.7164	9.86145	9.64663	9.92504	10.0473	9.73457	9.95065
CD52	5.98339	6.70484	6.89163	6.16328	6.50637	6.30109	6.49477	6.22673	5.60286
LIN28A	4.68426	5.13225	4.94072	5.40038	6.6286	5.76245	5.17558	5.47173	5.30026
DHDDS	8.31216	7.83839	8.108	7.35091	6.04388	7.47514	7.66184	7.85483	8.17465
HMGN2	7.57618	7.24364	7.04368	5.12785	5.43604	4.31281	5.45915	4.95286	5.237
MIR1976	8.18097	8.51953	8.05093	8.45952	10.1301	8.25221	8.05872	8.19204	8.45535
ARID1A	8.34889	8.16502	8.26956	7.56139	6.23719	7.35185	7.82479	7.32536	8.08727
SFN	12.2972	11.6167	11.7412	13.2479	12.0262	13.3022	13.4432	12.7172	13.2913
NUDC	7.90343	8.17914	8.03576	8.20432	7.15807	8.2393	8.30232	7.91754	8.02003

TRNP1	7.16503	7.61311	7.3226	8.38206	7.41759	8.06977	8.34847	8.38783	8.41435
WDTC1	8.4129	7.90375	8.00117	8.24082	7.0536	8.25863	8.48399	8.37096	8.14017
TMEM222	7.30828	7.58887	7.31885	7.64315	7.0575	7.80631	8.64775	7.90317	8.03472
SYTL1	7.62493	7.18885	7.20873	7.08821	7.29506	7.45166	7.19557	6.90133	7.23202
GPR3	6.20545	6.06609	6.17105	6.88532	7.00791	6.53118	6.26479	6.88889	6.43243
STX12	9.53994	9.27025	8.99839	9.47996	8.00167	8.69102	8.82226	9.4073	9.04257
SCARNA1	4.97644	6.14131	5.15476	5.63453	4.93261	5.39273	6.53305	4.7964	4.53126
THEMIS2	6.41755	6.4019	6.5911	6.4896	6.72537	6.89212	6.69053	8.41062	6.54753
ATPIF1	6.52844	6.84719	6.46682	7.57132	6.14767	6.89995	7.9035	6.89042	6.89227
SESN2	7.40742	7.02056	6.70127	8.55318	7.60878	10.1145	8.98084	10.2804	9.56964
MED18	5.20601	5.23276	4.66572	6.05562	4.67197	6.30592	5.66851	5.54016	6.64803
PHACTR4	10.2869	10.2245	10.0914	9.53347	9.60877	10.1808	9.90007	10.5372	10.5186
TRNAU1AP	6.78535	6.83454	6.747	7.07097	6.2023	7.26734	7.23775	6.81307	7.1776
GMEB1	8.04018	8.22069	8.03086	8.06022	7.02786	8.51242	8.21022	7.96643	8.5734
MATN1-AS1	6.0132	6.21104	6.04758	5.98313	6.03148	6.50478	6.07263	6.20966	6.10166
SERINC2	8.02333	7.79997	7.81865	8.64054	8.49155	8.93682	8.73194	8.64617	9.16292
LINC01225	6.37073	6.33588	6.35227	6.73588	6.92327	6.71845	6.27601	6.54631	6.68418
LINC01226	4.99029	5.51038	5.14157	5.68037	6.44612	5.69298	5.66476	5.6288	5.45996
TINAGL1	6.88987	6.8222	7.14975	7.31691	6.48669	7.22931	6.84405	8.30347	7.41362
HCRTR1	5.2507	5.37475	5.66416	6.38296	6.28824	6.12038	5.60196	6.2066	6.15836
TMEM39B	6.53556	6.41514	6.50332	6.69442	6.15531	6.52807	6.7768	6.20357	6.43998
KPNA6	10.2023	9.90962	10.0064	9.84105	7.46601	9.55362	9.95685	10.082	10.3787
TXLNA	8.08176	7.8708	7.93703	7.56276	5.57528	7.17114	7.75884	7.58467	7.52208
CCDC28B	5.21735	4.93519	5.11379	5.79732	5.75167	5.65575	5.84459	5.49218	5.17171
IQCC	6.70534	6.75312	6.67335	6.86977	6.41333	6.48015	6.84783	6.73594	6.57398
DCDC2B	5.76341	5.80625	6.04662	5.58908	5.82141	5.84473	5.81862	6.15517	5.93967

LCK	5.3996	5.81077	5.47376	6.19947	5.9967	6.23738	6.07425	5.83465	5.85773
HDAC1	8.48202	7.95337	8.16064	8.9254	7.16344	8.68902	9.05334	9.23015	8.94456
TSSK3	5.88333	6.1584	6.01582	6.21947	5.85121	5.85865	6.35613	5.552	5.90918
ZBTB8B	5.51451	5.60607	5.81329	5.8692	7.3085	6.34358	5.81461	6.03736	5.97317
ZBTB8A	7.58115	7.76082	8.39574	6.73511	5.7682	6.18816	7.54727	5.98266	6.80826
RBBP4	9.43983	9.32891	9.63776	8.63389	7.13578	7.95405	8.73283	8.19223	8.46239
KIAA1522	7.69834	7.30749	7.34791	7.71132	6.94679	7.54736	7.75161	6.82179	7.43527
S100PBP	6.96726	6.87477	6.69739	5.52424	5.88003	5.31082	5.9482	5.81532	5.77161
HPCA	6.46902	6.86618	6.58846	7.93705	7.31441	8.68633	7.78621	7.83044	7.98861
AZIN2	6.49832	6.37728	6.32096	6.2941	6.33252	6.05542	6.14256	6.05692	6.05049
ZNF362	8.17111	8.15163	8.02738	7.07737	6.43496	7.05163	7.55489	6.3517	6.41716
ZSCAN20	5.95088	6.2611	6.36133	6.54799	6.54871	6.28824	6.38129	6.18398	6.29538
HMGB4	4.85454	4.97358	4.89815	4.84743	5.98775	4.86713	4.86888	4.91601	5.08063
CSMD2-AS1	5.04043	5.1967	5.01555	5.262	6.20843	5.50763	5.09152	5.48241	5.23408
C1ORF94	5.20034	5.31662	5.32058	6.05757	6.30128	5.63506	5.6186	5.76849	5.15598
SMIM12	4.67135	4.51357	4.61817	5.02127	5.58017	5.03136	5.31091	4.98969	5.01163
NCDN	7.18653	7.13456	7.02748	7.7686	6.87682	7.15618	7.56087	6.89664	7.04813
TFAP2E	6.9705	7.00643	6.71038	7.41994	7.38969	7.39982	7.26249	7.55078	7.05328
CLSPN	2.8373	3.71823	3.05555	3.78394	3.85311	3.40857	3.1955	2.90944	3.05347
TEKT2	5.41258	5.75482	5.65546	5.86196	6.18263	6.02781	6.11985	5.87265	6.15917
ADPRHL2	7.15805	7.12681	6.95727	8.41373	6.22773	8.33124	8.19153	7.47961	7.53342
MAP7D1	7.56624	7.28908	7.18619	8.64328	7.506	8.98956	8.49725	8.58877	9.02466
THRAP3	9.48248	9.40096	9.52813	8.78205	5.93012	8.08613	9.42529	8.81951	9.1023
SH3D21	8.05593	7.93775	8.11844	8.32982	8.40259	9.39334	8.86366	9.69337	9.41073
MIR4255	3.37153	3.18787	3.62415	3.44882	3.88755	4.9056	3.33962	3.61204	2.98179
ZC3H12A	8.57135	7.89844	8.2346	9.0632	8.45624	9.46764	9.25635	9.0576	8.96422

CDCA8	7.43976	7.06902	6.97306	7.40207	6.98795	7.1381	7.60793	7.1974	6.98307
C1orf122	6.74401	6.79512	6.4663	7.67623	5.77318	7.35566	7.56559	7.18251	7.24713
MIR3659	5.96141	5.75939	5.46299	5.59394	4.5607	5.13991	5.13927	4.76237	5.3205
LINC01343	5.74254	4.97442	4.93519	5.78939	5.62124	5.36717	5.96925	5.23721	5.1939
AKIRIN1	8.25447	8.25237	8.21792	8.9076	7.5023	8.62821	9.21224	9.55514	9.2026
MACF1	10.7843	10.6915	10.9485	9.90945	8.15038	10.3932	10.2391	10.8985	11.1596
KIAA0754	7.65553	7.40606	7.71473	6.43694	6.45449	6.29963	6.18717	7.70856	8.0887
BMP8A	7.50619	7.48477	7.32358	7.70548	8.01834	7.83387	7.57303	8.03529	7.62244
PPIE	6.74449	7.3938	6.91676	6.84596	6.88586	6.71293	6.98689	6.49308	6.47435
MFSD2A	8.32284	8.54271	8.82616	8.50022	6.26292	7.60169	8.61671	7.63172	7.87802
RLF	9.44389	9.35445	9.37417	8.68233	7.72771	10.2045	9.02365	9.48455	9.1819
TMCO2	4.49351	4.81941	4.55349	5.04918	5.98808	5.66581	4.96019	4.83533	5.12008
ZMPSTE24	9.50687	8.99816	9.42406	9.56136	7.57533	9.14138	10.0974	9.97746	9.83275
SMAP2	9.24216	9.32341	9.40038	8.82567	8.39341	8.3729	8.90307	9.11999	8.54306
ZFP69B	6.75783	6.40439	6.34989	5.68944	6.49639	5.53386	5.8996	5.79132	5.41627
ZFP69	7.19961	6.45852	6.48897	5.65415	5.16922	5.24638	5.89035	5.42466	5.12407
EXO5	5.8339	5.56967	5.64986	5.7369	5.90394	5.68482	5.59208	5.20486	5.46704
ZNF684	5.9125	6.17868	6.1947	5.49981	4.94353	5.38718	5.84677	5.20113	5.13836
Mir30e	8.49447	8.26519	8.6848	7.35452	6.42049	7.04949	6.64973	6.67384	6.82582
Mir30c1	6.04826	5.95666	5.87925	6.17046	6.30386	5.11022	5.72008	5.58965	5.73276
CTPS1	7.44463	7.68084	7.44483	8.44458	6.22973	7.53308	7.89151	7.62604	7.85127
SLFN1-AS1	6.47024	6.14483	6.51024	6.47964	6.11574	6.40509	6.60497	6.36934	6.28548
guca2b	5.91556	5.57978	5.59283	5.94102	6.84429	5.52486	5.42152	5.80698	5.88166
RIMKLA	5.50923	5.69475	6.08241	6.40539	6.21586	7.83814	6.36926	6.50935	5.72076
PPCS	7.22133	7.33122	7.18446	7.26757	6.6234	6.93454	7.77992	6.87673	7.11498
CCDC30	5.742	5.76356	5.73116	5.14684	5.36977	4.88537	5.03446	4.81434	5.12288

PPIH	7.64534	7.88996	7.88626	7.23617	6.39811	6.61565	7.62128	6.25402	6.55487
YBX1	11.6711	11.5815	11.982	11.8291	10.3397	11.5093	11.5553	11.0992	11.2946
C1ORF50	7.35911	7.31968	7.62269	7.41131	6.98912	7.10987	8.08266	7.30986	7.00118
LOC100129924	4.80733	5.21229	5.06459	5.3708	5.23345	5.23133	4.8787	5.14603	5.24294
ERMAP	7.61493	7.78757	7.52672	6.85706	7.04888	6.67976	6.78919	6.18743	6.18065
ZNF691	5.92857	6.24739	5.83235	5.77478	5.49149	5.56347	5.43138	5.05812	5.46638
SLC2A1-AS1	6.09055	6.45464	6.32395	6.34888	6.84102	6.80783	6.487	6.85195	6.41315
cfap57	5.2759	4.98349	4.96276	5.56934	6.21801	5.3469	5.34012	5.50931	5.12343
tmem125	6.75159	6.69779	6.49961	7.26059	6.88199	7.16189	7.07335	6.95352	7.35151
TIE1	6.99039	6.52445	6.83236	6.84384	6.25602	6.68664	6.82076	6.94485	6.8267
MPL	6.0844	5.99093	5.99405	7.20154	6.58799	6.95781	6.72255	6.40474	7.41108
CDC20	7.5314	6.97542	7.02613	8.70437	6.98154	8.42743	7.96203	9.08987	8.06663
SZT2	8.33821	8.21233	8.07609	7.51895	6.8337	7.84253	7.68035	8.95157	8.58512
KDM4A	8.09235	8.47588	7.79401	7.74392	5.68269	7.08885	7.79128	7.9013	7.4037
ARTN	5.83946	5.51664	5.56796	7.2251	6.39279	7.04838	6.92431	7.13894	7.53625
IPO13	7.53245	7.65645	7.46628	8.0818	7.07232	7.86212	8.26708	7.96445	8.3921
DPH2	7.03287	6.90671	7.23747	7.24118	6.87647	6.88119	7.44236	6.51917	6.86122
CCDC24	6.11608	6.08412	6.25402	6.36431	6.48219	6.43347	6.35742	6.52434	6.3477
KLF17	5.20568	4.9276	4.59311	5.72318	5.52456	6.10488	5.68803	5.46092	5.51091
DMAP1	7.42513	7.79319	7.60295	6.41059	6.58203	6.36887	6.68981	6.44866	6.95871
RNF220	7.34536	7.18989	7.23368	7.10271	7.15337	6.94115	6.87779	6.73474	7.0134
C1orf228	5.91407	5.90526	5.69209	5.81813	6.15934	5.74974	6.09941	5.73343	5.59531
KIF2C	6.74739	5.80028	5.73165	6.42217	6.35662	5.8127	6.49118	6.27175	6.08224
PLK3	8.36103	7.29657	7.40435	8.61892	7.61856	8.45969	8.33766	9.61341	8.59276
BTBD19	7.21166	6.62172	6.91111	7.29853	6.92622	7.37353	6.62051	7.968	7.63981
UROD	7.57444	7.51733	7.72222	7.29468	7.03783	6.97294	7.60528	6.90537	7.29029

LINC01144	6.53132	6.46206	6.73527	6.53569	6.57315	6.40963	6.11468	6.19202	6.50683
HPDL	5.83534	6.14035	6.159	6.48325	6.58665	6.75183	6.74915	6.35176	6.3904
NASP	6.99052	7.03734	7.07634	6.71815	5.85779	5.9567	6.57494	6.55576	6.15953
TMEM69	8.94291	8.7284	8.55262	8.65561	7.9056	7.69794	8.84964	8.8626	8.72681
mast2	7.56442	7.24361	7.35676	7.42008	7.35061	7.11913	7.55774	7.61475	7.63931
TSPAN1	4.92808	5.28302	5.63249	4.73622	4.90394	4.61889	4.86396	6.32507	5.71779
LURAP1	5.89156	5.97198	6.05624	6.61109	6.4432	6.56531	6.40238	6.11205	6.28215
RAD54L	6.16532	6.08335	6.26632	6.30801	6.54334	6.27934	6.13151	5.85732	5.87536
Uqcrh	6.85892	6.94592	6.67151	7.28509	6.47851	7.24019	7.40858	6.77091	6.81675
FAAH	6.85024	6.82243	6.83897	7.19389	6.82268	6.8048	7.09534	6.83513	7.03226
FAAHP1	5.4412	4.93159	5.02875	5.4718	6.39802	5.60796	5.06651	5.61672	5.33173
DMBX1	6.03928	6.29378	6.30089	6.63206	6.37506	6.52447	6.45388	6.94501	6.57648
MKNK1-AS1	4.87152	5.05618	5.34494	5.56586	6.02085	5.81215	5.3045	5.70052	5.3754
TEX38	6.29146	6.24013	6.08336	6.4358	6.56845	5.79663	5.8429	6.12527	6.12308
EFCAB14-AS1	4.13197	3.66167	3.8868	4.65746	4.19982	4.31553	4.31244	4.21449	3.93006
LINC00853	5.34428	5.58047	5.29531	5.77018	6.67217	5.93152	5.60162	5.77765	5.73457
FOXE3	5.43019	5.58297	5.4065	6.4859	6.0839	6.58133	5.34872	6.10011	5.90342
FOXD2	5.61122	5.58658	5.66745	6.18101	6.28399	6.41332	6.27093	6.59401	6.11764
TRABD2B	5.65471	5.2909	5.24861	6.00028	6.24577	6.23762	5.92474	5.74553	5.40666
MIR4421	5.33574	4.27633	4.96515	4.58654	7.16102	4.37419	5.08118	4.79436	4.43059
C1orf185	4.12739	4.12613	4.06758	3.91055	5.22562	4.31361	4.55055	4.23522	4.55528
RNF11	9.91978	9.72669	9.57142	10.9039	10.255	11.272	11.0651	10.8613	11.1228
OSBPL9	8.67032	8.51044	8.63442	7.54154	7.29553	8.31589	7.96012	8.85022	8.46681
BTF3L4	7.70624	8.05999	7.83831	6.80428	6.42572	5.92298	6.91422	6.44411	6.70096
PRPF38A	9.58018	9.47974	9.66625	8.5322	6.85171	8.37819	8.89446	8.89308	9.08963
GPX7	7.98916	7.75487	8.02581	7.99649	6.77187	6.65719	7.84645	6.75763	7.16082

ZYG11B	8.59105	8.42941	8.33778	7.96486	5.27598	7.49199	8.38695	7.80064	7.4801
ZYG11A	5.8753	5.28941	4.93859	5.31716	5.4597	5.35287	5.18993	5.33519	5.20243
SCP2	9.39196	9.35305	9.19242	9.35759	6.62851	9.10464	9.41829	8.53287	8.65825
PODN	7.89731	8.25136	8.43435	6.78567	6.59171	7.00677	6.58677	6.19557	6.12501
cpt2	7.6003	7.13369	7.16338	7.44441	5.85676	7.13786	7.61518	7.1216	6.97125
LOC100507564	6.07818	5.72442	5.90567	5.80783	5.49249	5.97664	5.46597	5.46922	5.94993
LRRC42	7.38867	7.1104	7.31154	8.25968	6.03901	7.9081	8.06167	7.79135	7.82723
TCEANC2	6.84498	6.59178	6.56584	6.18983	5.50579	5.69277	6.2986	5.67787	6.03831
MRPL37	9.72348	9.64816	9.97461	9.54474	9.09256	9.13556	9.73209	9.24245	9.7106
ACOT11	6.14093	5.78447	6.54407	7.13341	5.9468	7.08543	7.24732	8.33389	7.84478
MROH7-TTC4	6.44414	6.43367	6.60361	6.48507	6.38181	6.33742	6.27747	6.2827	6.47626
LEXM	5.26374	5.16853	5.1793	5.66894	5.46216	5.86434	6.15655	6.29028	6.41485
TMEM61	5.83971	5.74856	6.09676	6.61803	7.20834	6.97431	7.1904	6.77763	6.69381
PCSK9	6.53781	6.48456	6.61538	7.01183	6.68411	6.65485	6.76229	6.74528	6.90769
LOC100507634	6.1667	6.17144	6.10437	6.87613	6.70651	6.84134	6.98683	6.63382	6.75719
MIR4422	5.24198	5.4686	4.89283	6.27808	5.35225	6.60718	6.02613	5.89818	5.9878
LINC01135	5.86799	5.59298	5.45834	5.53778	6.70106	5.85937	5.94738	5.82025	5.95536
FGGY	6.9151	6.22839	6.24264	5.84197	6.17716	5.82896	6.35036	6.22799	6.29359
HOOK1	9.1751	9.13278	8.93702	9.0787	7.78211	9.89198	9.37732	9.35345	9.71164
NFIA	9.45433	9.28619	9.77287	7.8241	6.88328	6.98828	8.25433	7.15375	7.45537
PATJ	9.75588	9.85606	9.37254	8.77328	7.3232	9.46934	9.05993	9.52417	9.87852
MIR3116-1	4.85527	4.73494	5.38806	5.15732	4.73029	5.0857	4.98275	5.10185	5.98829
L1TD1	4.83077	5.01505	4.97225	5.60757	5.29364	5.38517	4.96723	5.80738	5.22813
USP1	7.9443	8.32356	8.1217	7.70887	4.39246	6.85244	7.91258	6.7298	6.86065
ANGPTL3	3.22108	3.11637	2.65792	3.17603	2.9126	3.0034	3.17221	2.6584	2.88861
LINC00466	3.52004	3.42455	3.29363	3.09105	4.17895	3.67457	3.63245	3.50705	4.11607

FOXD3	4.43161	4.61784	4.45342	5.23743	4.61109	5.48465	5.2362	5.36168	5.25382
EFCAB7	6.69421	7.21076	6.57061	5.13466	5.03049	4.56606	5.74563	5.02228	5.14686
DLEU2L	5.67378	6.4731	5.94583	2.63009	5.58837	3.98507	3.48549	3.4897	4.73016
PGM1	7.52673	7.32442	7.63915	7.75656	6.4367	7.41264	7.61204	6.60561	7.08415
ROR1	8.26057	8.59913	8.48289	6.53893	5.54287	6.06139	6.672	6.62319	5.57369
UBE2U	3.76955	6.34088	6.74112	3.03206	4.52766	3.64715	3.66795	3.52425	3.51117
CACHD1	9.51504	9.28995	8.9121	6.24273	6.2767	6.0156	7.30272	5.99954	6.48178
MIR4794	3.59152	3.00974	2.65323	2.58015	2.29244	2.55498	2.64602	2.57427	2.64024
LEPR	7.08056	6.64383	6.99183	6.57065	6.11374	6.51796	6.72439	7.16996	6.94651
SGIP1	7.7906	6.73483	7.05881	5.83337	6.33408	5.65873	6.43186	6.87058	7.33717
MIR3117	2.51641	2.56225	2.4703	2.43084	2.30778	2.70673	2.73518	2.65355	2.20616
TCTEX1D1	4.70873	4.37296	4.8027	4.8801	5.1947	3.49691	4.20328	4.94109	5.33139
MIER1	8.43897	8.39303	8.39595	7.81255	5.91114	7.37439	8.23705	8.00948	7.93035
IL23R	3.8769	4.29551	4.0582	4.45444	4.56023	4.22987	4.41685	4.25323	4.05502
GNG12-AS1	5.7967	6.3435	5.92992	4.71582	5.85789	5.17707	5.1503	4.91492	5.00424
DEPDC1	3.9504	3.76115	3.65269	4.01261	5.01409	4.27864	3.99666	4.84296	3.98987
LRRC7	4.95171	4.66678	4.0975	4.7057	4.73685	5.17433	4.47053	4.81816	4.73917
SRSF11	10.6714	10.9647	10.9278	9.00642	6.80172	7.36764	8.7913	9.49341	9.51287
HHLA3	5.85766	5.67887	5.7048	6.1964	5.95261	6.17818	6.37341	5.80501	7.18674
CTH	5.6515	5.47762	5.24462	6.1743	5.24781	5.91499	5.7329	7.05542	6.40351
ZRANB2-AS1	4.84385	4.61834	4.78524	4.97313	4.30723	4.97943	4.85114	4.75845	5.08724
ZRANB2-AS2	5.25097	5.20961	5.03	4.77266	5.13464	4.86245	4.90235	4.90331	4.33289
FPGT-TNNI3K	6.27824	6.56913	6.28477	5.94108	5.6767	5.72897	5.87653	5.67429	5.45241
TYW3	7.39792	7.45702	7.65095	7.08118	6.35475	6.24839	7.35994	6.12221	6.52701
LHX8	5.29434	4.96996	4.87637	5.15372	5.75209	5.28455	5.26419	5.19714	5.15024
ak5	5.3091	5.02414	5.21548	5.96988	5.53426	5.41947	5.57863	5.14549	4.81504

NEXN	5.52012	4.97559	6.3332	4.6885	4.12072	4.63207	4.69023	4.67894	4.62367
MGC27382	4.08737	4.23992	3.74012	4.36354	5.19978	4.39022	4.34732	3.95814	4.33748
PTGFR	7.07777	7.32245	7.68178	5.91016	6.15235	6.74322	6.16249	5.75455	5.89637
IFI44L	7.6955	6.63496	6.55872	4.63075	5.69766	4.44518	4.99494	4.44695	5.15282
IFI44	8.08273	6.73985	7.73973	5.51734	4.99489	4.51805	5.3409	5.29816	5.1113
ADGRL2	8.99078	8.98237	8.30628	9.38314	7.47737	10.0186	9.24368	9.89482	10.6013
SAMD13	5.29991	5.31148	5.40115	4.83905	5.81971	5.34463	4.78446	5.43726	5.12275
DNASE2B	5.18587	5.126	5.33733	5.42458	6.61519	5.74455	5.52306	5.26246	5.08125
RPF1	9.1543	9.41483	9.29945	9.15113	7.19011	8.19267	9.39642	8.27024	8.53168
WDR63	5.84909	5.58057	5.68837	5.34731	5.19727	5.30245	5.53977	5.06675	4.9617
MIR4423	3.1239	3.12797	2.83745	2.92892	2.7966	2.9641	3.08971	2.7758	2.83612
LOC646626	5.60952	5.69624	5.2726	5.4337	5.51297	5.52193	5.34714	5.35638	5.48223
CLCA2	11.9306	11.7888	11.6376	12.0742	10.193	11.3759	12.2324	11.7924	12.3786
CLCA1	3.91116	3.94132	3.98633	4.0007	4.64175	4.36008	4.06931	4.0153	4.20652
CLCA4	8.53777	6.06004	6.39274	5.91921	4.77264	5.33368	7.02506	5.42054	4.36998
SH3GLB1	9.44845	9.43877	9.36911	9.25399	6.84551	9.36244	9.56786	9.40859	9.33817
HS2ST1	7.96864	7.79345	8.0466	7.84286	6.47045	7.13436	7.97481	7.20866	7.10926
LINC01140	6.08725	6.17407	6.60839	5.9497	5.5694	5.77455	5.77403	6.14808	5.82445
LMO4	7.48568	9.49216	8.15224	7.90018	6.57201	7.28587	7.74324	7.01065	7.06504
PKN2	9.45775	9.42498	9.34105	8.43409	5.71596	8.19173	8.50032	8.85231	8.91186
ZNF326	8.77165	8.74417	9.14166	7.44238	5.91779	6.80447	7.75674	7.58724	7.54789
CDC7	6.75315	6.73573	6.93083	5.94919	5.67103	5.49345	6.23992	5.80443	5.65133
EPHX4	4.75681	4.89722	5.07092	4.35113	5.46196	5.02062	4.8803	4.85894	4.68543
BTBD8	4.47348	4.04025	4.37362	3.45457	3.23234	3.62951	3.29738	3.51387	3.21583
KIAA1107	6.31478	6.34723	5.86792	4.68357	4.88473	5.06448	4.67042	4.43294	4.366
C1orf146	2.99818	3.20981	2.85329	3.22473	3.17614	3.23159	3.09974	2.98318	3.27332

RPAP2	8.79182	8.63963	8.71946	7.85115	6.80356	7.71491	8.43344	7.50784	7.99068
MTF2	7.78214	7.97596	7.79144	6.94657	5.51414	6.57866	7.22886	6.47067	6.47012
CCDC18	6.08973	5.61729	6.00947	5.09718	4.09426	4.81616	5.72425	5.24171	4.96679
FNBP1L	8.75232	8.54748	8.81164	7.22082	5.66665	8.52707	7.9503	9.22834	9.08528
LOC100129046	6.2147	6.49787	6.62043	6.06127	6.41239	5.70603	5.65265	5.93748	6.12472
MIR760	5.87936	5.45403	5.62191	6.43774	6.17223	5.88507	6.14263	6.22927	6.06415
LOC729970	5.21138	5.36879	5.58743	5.47708	5.27076	4.9346	5.48257	5.09962	5.43793
FLJ31662	5.28238	5.57178	5.32572	4.85505	7.16	5.59806	5.25912	5.34994	5.30115
PTBP2	8.99098	8.60917	9.04736	7.27313	5.87634	6.54815	7.14739	7.33767	7.166
DPYD-AS1	3.9162	4.50606	3.90196	4.64659	4.50157	4.23981	4.53635	4.10885	4.21445
LOC729987	4.62036	4.92209	5.09291	4.81978	6.13261	4.91987	5.02829	4.91028	4.96335
SNX7	7.96036	7.89345	7.7405	8.16273	5.62361	7.13283	8.49789	7.31474	7.42694
LOC100129620	4.70946	4.88165	4.72221	4.87277	4.99107	4.8287	4.50216	4.99667	4.79655
PLPPR4	7.86013	6.35239	6.6177	6.93825	5.33009	5.33127	5.99941	4.90237	5.93986
PALMD	10.7802	10.4471	11.0255	8.72128	6.35005	9.04089	10.3142	9.01561	9.8651
MFSD14A	9.83971	9.88917	10.1227	9.26754	7.39721	8.82535	10.0322	9.37543	9.52794
TRMT13	7.54042	8.0287	8.03685	7.10375	5.96983	6.23886	6.78204	6.29956	6.53334
RTCA	8.44155	8.12712	8.34083	8.2225	5.70759	8.77319	8.3022	7.95061	8.24429
MIR553	6.45559	6.31747	6.26237	3.44568	2.76133	3.2943	3.87026	3.80848	4.56849
CDC14A	8.56995	8.67659	8.68751	6.64474	6.71454	4.85995	6.67565	5.90391	5.94999
gpr88	5.62935	5.73801	5.80655	6.82329	6.49766	6.92763	6.30213	6.58025	6.21969
VCAM1	6.3982	6.60085	6.01252	5.92763	5.75812	5.6236	6.13959	6.15954	6.31825
S1PR1	7.19035	6.35023	7.86545	7.12001	5.6927	6.54505	6.83659	6.87799	7.11598
PRMT6	6.34947	5.54369	6.05209	6.52468	4.98456	5.49767	7.15469	5.11763	5.1993
NTNG1	5.237	5.26791	5.172	5.576	6.17297	5.32575	5.45144	5.34316	5.14107
VAV3-AS1	3.78651	3.98462	4.16785	3.90706	4.51249	3.90738	4.59971	3.77655	3.84873

PRPF38B	8.65987	9.01231	8.75738	8.21307	5.92439	7.09064	8.18658	7.94365	8.05011
FNDC7	4.75349	4.8787	5.14285	5.36468	6.44906	5.31191	5.23989	5.60329	5.46719
STXBP3	8.26528	8.85027	8.39193	7.95865	5.16328	6.94558	8.2588	7.20929	7.42182
SPATA42	4.39774	3.9613	4.39087	4.11807	4.38975	3.92832	4.03835	4.11221	3.8762
GP5M2	9.45661	9.10486	9.8844	8.99212	5.53396	8.52923	9.35667	8.94269	8.7359
TMEM167B	9.0102	9.26205	8.91451	9.01311	7.94021	9.11133	9.27388	9.40803	8.56898
Scarna2	7.1029	7.6502	7.37954	7.80111	6.48006	8.419	7.52329	7.49651	6.89513
KIAA1324	8.17642	7.66072	8.44417	6.21268	6.7014	6.85439	6.30333	6.69541	6.48734
SARS	9.58674	9.37531	9.39271	9.20117	7.33375	9.41333	9.49423	9.41819	9.57514
SYPL2	6.37909	6.2887	6.20385	6.85203	7.28468	6.19547	6.32985	6.60146	6.65224
ATXN7L2	6.03	5.82944	6.0284	6.4276	6.4131	6.87318	6.31902	6.45825	6.49654
CYB561D1	7.26429	7.42818	6.90027	7.73359	6.95173	7.0367	7.18037	6.80773	6.6712
GPR61	4.17073	4.63782	4.68018	5.29775	5.06453	5.58017	4.83802	5.13977	5.01833
MIR197	6.35027	5.91854	5.92764	6.75259	6.34998	6.12506	6.43474	5.87821	6.99704
AMPD2	7.3719	7.21593	6.92994	7.22028	7.00913	6.80051	7.18234	7.11295	6.87774
GSTM4	7.38943	7.78058	6.97555	5.7325	5.94755	6.19625	5.38402	5.93792	6.50215
GSTM2	6.94588	7.54273	7.10304	6.09275	7.39402	5.75955	6.14193	5.97551	6.00763
GSTM1	5.92212	5.65272	5.70155	5.64333	6.33252	6.2854	5.58571	5.80988	5.60267
GSTM5	6.81578	6.21109	6.86027	5.6305	6.9754	5.74046	5.30062	6.67198	5.74854
CSF1	7.28849	7.05528	7.38411	6.19602	7.23069	6.67948	6.91419	6.83686	6.77084
AHCYL1	9.10068	8.83918	8.98435	8.71485	7.8538	9.52759	8.70877	9.32945	9.10951
UBL4B	5.98868	6.46904	5.71569	6.09111	6.38544	6.00358	5.95759	5.88246	6.2996
RBM15	7.00632	7.74804	7.15841	6.82782	5.76184	5.80616	7.02201	6.9353	6.36646
PROK1	5.29479	5.57034	5.71596	5.02896	5.39073	6.03241	5.59847	5.81556	5.58537
CYMP	5.57486	5.68192	5.74653	5.94025	6.62632	5.99475	5.39065	6.14866	5.68911
CD53	7.08593	6.2169	8.14043	6.49925	6.37877	7.1858	6.89161	7.40348	7.37183

LRIF1	4.82636	5.00592	4.77656	5.16405	4.76914	5.17887	4.92723	4.95478	5.59074
CEPT1	8.04304	8.38241	7.84389	8.02576	6.3215	7.44543	8.36098	7.39272	7.90353
CHI3L2	6.08366	7.52194	5.72508	5.57987	6.21205	5.87809	8.1471	5.41553	5.51389
CHIAP2	3.83305	4.64204	4.01865	4.99105	5.89494	4.33025	4.8768	4.6252	4.16493
PIFO	4.9611	4.43118	4.91349	4.85634	4.76116	4.83004	5.19493	4.68509	4.36973
C1orf162	6.46827	6.42449	7.09951	6.36149	6.10042	5.7332	6.15564	5.51309	5.45709
FAM212B-AS1	6.56281	6.76459	6.46075	7.05827	7.6968	7.57893	6.61818	6.41323	6.92586
DDX20	6.9969	6.81169	7.39066	6.24462	5.83937	5.60367	6.61685	6.01631	6.05021
CTTNBP2NL	9.09703	9.21444	9.14025	8.38453	7.03359	9.27012	8.38519	9.74958	9.51344
LRIG2	9.07535	9.60747	9.38665	7.30766	5.72963	6.65546	7.90993	7.73073	7.8342
AP4B1-AS1	4.06439	3.86152	3.67976	4.14315	4.72488	4.40397	4.02085	4.02085	3.85888
DCLRE1B	7.53873	7.90394	7.91608	7.25833	6.90721	6.54679	7.35817	6.87198	6.85665
HIPK1	9.57795	9.44674	9.52883	8.88744	7.00371	8.6841	8.83759	8.43693	9.0075
OLFML3	6.71697	6.56386	6.70968	6.35139	5.80341	6.21202	5.9039	5.38967	5.41627
SYCP1	3.1433	3.15871	3.28097	3.24335	3.49448	3.76333	3.41812	3.33383	3.6156
MAB21L3	8.01461	8.19267	6.75513	6.3207	5.49459	6.67676	7.53844	4.74165	5.50966
MIR320B1	2.89572	2.88425	2.38501	2.56001	3.41308	2.74468	3.36164	3.03296	3.55057
CD2	6.40936	6.39185	6.69797	6.77483	6.85972	6.58983	6.78956	6.17669	6.05023
PTGFRN	9.90831	9.35427	9.55692	9.86926	7.56795	9.19992	9.9479	9.50237	10.0435
CD101	5.99997	6.15141	6.13425	5.83091	5.84284	5.68882	5.2506	5.82405	5.9984
GDAP2	4.63537	4.7598	4.54904	4.88991	4.94039	4.89799	5.12239	4.65254	4.6996
WDR3	7.23302	7.46861	7.37885	7.18396	6.08466	6.33086	7.32184	6.39373	6.41759
HAO2	5.05338	5.18107	5.01764	5.10709	6.18673	5.47625	4.7379	5.2078	5.31403
PHGDH	9.16056	9.47034	8.74024	8.63834	6.74534	7.56088	8.58602	6.39222	7.44135
EMBP1	6.65927	6.34967	6.51863	6.80809	5.28865	7.47012	7.19617	7.06577	7.08395
MIR3118-1	3.81712	3.19972	2.72644	3.55917	4.46983	3.18484	3.29617	2.67828	3.14888

LOC100132057	5.89609	5.51531	5.83969	6.26085	6.9003	6.79845	5.84432	6.05082	6.15312
SRGAP2B	10.0109	10.3922	9.82734	7.31204	7.65931	6.10544	6.69291	8.33529	7.27978
SEC22B	9.1233	8.8805	9.17866	9.02166	8.26138	8.28552	8.74468	9.23314	9.03809
NOTCH2NL	11.456	11.38	11.2707	10.3908	10.3177	10.4575	10.1755	12.174	11.6424
HFE2	4.31483	5.06221	4.7754	5.78668	5.7239	5.50824	4.91801	5.38464	5.04607
TXNIP	10.3741	10.614	11.5761	8.52791	6.80837	7.69825	9.4558	9.26323	7.2012
ANKRD34A	5.3018	5.19084	5.28345	5.81225	6.22586	5.87378	5.6865	6.02852	5.83487
LIX1L	8.45728	7.33748	8.33784	7.7608	6.53106	7.47094	7.36801	7.01972	7.24513
RBM8A	7.91072	8.03227	7.95588	8.3096	7.70504	8.25733	8.1379	7.38532	7.68095
PEX11B	9.13403	9.08821	8.97127	8.9059	8.41427	8.07166	8.95589	8.14635	8.75995
ANKRD35	7.79303	8.07201	7.57317	6.89286	5.8408	6.06925	6.87032	5.91762	5.48226
RNF115	8.43109	8.47588	8.66183	8.06124	6.52798	7.57962	8.37433	7.43688	7.77094
PDZK1	4.56338	4.28606	4.62654	4.20498	5.26331	3.9863	4.23398	3.91118	4.03242
GPR89A	8.53223	8.64118	8.73528	7.41692	7.07871	6.73465	7.75884	7.1221	7.79271
CHD1L	7.80507	8.02518	7.94151	7.46142	6.23715	6.98201	7.85184	6.99389	7.57153
BCL9	9.00255	9.17761	8.82369	7.44708	6.78589	6.76781	7.97493	7.23951	7.57669
GPR89B	9.01191	9.04127	9.20852	7.89091	7.23522	7.07639	8.11899	7.56731	8.22788
LOC645166	5.61864	5.17159	5.53631	5.72189	6.71478	5.11259	6.21962	6.77014	6.08052
BOLA1	7.54019	7.42699	7.25334	7.62832	7.07942	7.2372	7.86918	7.08448	7.31096
VPS45	9.28752	9.25574	9.14662	8.3826	6.41562	7.69131	8.05744	7.64952	8.36721
CA14	5.32389	5.04964	5.23001	5.25146	5.75546	5.11844	5.32149	4.92181	5.21289
C1orf54	5.98786	6.13276	5.98902	6.62462	6.18161	6.00344	6.41078	5.75052	6.41321
MRPS21	10.5114	10.602	10.8231	10.3853	9.39111	9.50371	10.3361	9.64972	10.2401
PRPF3	8.23742	8.27541	8.28275	7.14714	6.94352	6.89196	7.34239	6.88466	7.41557
RPRD2	9.25557	9.44283	9.23378	7.81392	5.97086	7.42436	8.52475	7.53986	7.90296
ECM1	9.49946	9.99453	9.18799	10.1164	8.65871	10.3635	9.10302	11.708	10.9632

FALEC	6.76694	6.48447	6.11789	6.61125	6.57826	6.58166	6.14006	7.4435	6.6917
ADAMTSL4	6.19629	6.08071	6.01517	7.4373	6.50504	7.88623	7.27229	8.11981	8.16458
CERS2	5.93455	5.66142	6.02841	6.78062	5.66387	6.37075	7.1994	5.87483	6.2187
ANXA9	10.0224	10.3101	8.94665	8.52684	6.33911	5.84631	6.86463	6.39521	5.57345
PRUNE1	7.9766	7.81552	7.83158	7.09147	6.72704	6.8339	7.52894	7.65857	6.83452
BNIPL	11.2532	11.0947	10.635	10.7	8.72482	10.5349	10.7057	10.3183	11.2341
ZNF687	7.64139	7.66465	7.48867	7.55237	7.25155	7.60142	8.10001	7.92311	7.64521
CGN	6.98872	7.24704	7.23217	6.23995	6.26092	6.94549	6.53664	7.17284	6.11727
TUFT1	9.3847	9.13735	8.85741	9.90502	8.52984	9.84422	9.48475	10.4116	9.43877
MIR554	8.2571	7.42681	7.67606	5.98637	5.30377	4.84351	5.38158	9.09443	6.60977
SNX27	8.94222	8.63139	8.82205	7.29412	6.13273	7.02018	7.73059	7.81872	7.32771
RIIAD1	5.04818	5.85241	5.40852	5.81057	6.12908	5.57032	5.37317	5.43852	5.74282
OAZ3	4.773	4.9944	5.08255	5.72389	5.9711	5.93409	6.00615	5.18649	4.9637
LOC100132111	6.10304	5.98241	6.48437	6.14529	6.46196	6.19078	6.79646	5.58527	6.1589
LCE5A	5.50327	5.92427	6.01748	5.18072	5.96254	6.02814	5.70456	5.80904	5.59914
CRCT1	12.3252	11.351	11.7997	12.6205	13.3768	13.5858	13.2182	13.765	13.4034
LCE3C	5.8931	6.37402	5.84055	9.63339	5.93909	7.19244	9.23277	8.54473	10.4775
LCE3B	7.98507	7.83217	8.09005	8.32159	9.07164	8.387	8.59607	8.27492	8.20701
LCE2D	11.1829	11.9619	10.6782	11.187	10.2591	7.57393	9.38683	6.14131	10.3029
LCE2C	13.4365	13.5536	13.371	13.2673	12.5474	9.97021	12.4104	8.90108	12.276
LCE2B	12.0204	12.5286	12.4031	11.9739	10.0405	6.57808	10.1421	5.05713	9.44982
LCE2A	13.0852	13.2206	13.1595	13.1925	11.694	9.77605	11.7995	8.83988	11.768
LCE4A	7.86751	8.17959	7.76019	7.46458	7.30829	6.1146	6.35675	6.09669	6.27358
C1orf68	10.0592	11.0445	10.3865	10.3331	10.3807	7.45531	9.84642	7.8449	7.06833
KPRP	12.96	12.9892	12.7467	13.0855	13.101	11.609	12.6289	12.6471	12.9383
LCE1F	13.1995	13.319	13.1798	13.6115	13.2697	11.5299	12.7588	12.1958	12.1409

LCE1E	7.06845	7.46399	7.18643	7.2693	5.50692	5.05393	5.99132	5.11239	4.69594
LCE1B	10.9151	11.2345	10.3646	10.7866	6.12235	4.69055	7.68578	3.54752	7.11641
LCE1A	12.1618	12.4457	11.8153	12.3557	8.75554	7.37849	9.63633	6.77375	9.00431
Lce6a	11.5697	11.7833	11.4058	12.0251	6.43719	6.72305	9.62348	6.13383	7.28953
SMCP	4.18381	4.31723	4.10427	4.70013	5.6348	4.83416	4.55638	4.30717	4.44405
IVL	10.8631	9.35604	9.8697	12.0341	10.1916	12.7121	12.4707	12.256	12.6036
SPRR4	6.46029	6.20919	6.62028	8.68115	9.4719	10.0722	8.76453	9.79917	10.3195
SPRR1A	12.4859	10.4564	12.5021	13.5325	13.6134	13.4202	13.471	13.4589	13.628
SPRR3	6.09224	6.43966	6.51466	8.52332	7.90073	7.96518	7.98084	7.74157	8.16494
SPRR1B	10.1759	9.49871	10.4273	11.488	12.5553	12.3338	11.6769	12.2305	12.1899
LELP1	5.11364	4.75793	4.627	5.4069	6.1227	5.4273	4.85402	4.81485	5.25578
PRR9	6.79406	5.96867	6.57462	8.32877	11.3729	11.1917	10.3676	11.3466	12.368
LOR	13.5995	13.1077	13.3287	13.6242	9.35753	11.5062	11.509	7.5542	9.94266
S100A9	9.68197	8.02061	9.28238	12.4745	12.7712	12.9774	12.6367	12.6849	12.509
S100A7A	6.68644	6.13353	5.73588	8.65749	8.58479	9.89479	11.0003	9.59151	9.9125
S100A1	6.13502	6.14006	6.06526	6.14914	6.45134	6.55582	5.92645	6.28075	6.38214
CHTOP	8.90626	8.88603	8.89124	8.18831	7.12964	7.55709	8.11515	8.08608	8.40255
SNAPIN	8.68486	8.38416	8.22731	8.93506	7.71199	8.67258	9.15534	7.95357	8.50247
NPR1	5.60579	5.93267	6.1693	6.08487	6.18035	6.05608	5.93154	6.14146	6.11017
INTS3	9.21756	8.96199	8.54156	7.97846	6.5951	7.5773	7.93261	7.52691	8.14017
CREB3L4	6.79765	6.30813	6.27643	6.20503	6.39413	6.12493	6.03718	6.01042	5.76638
UBAP2L	10.0114	10.1687	10.0565	9.27876	7.50379	8.47649	9.41906	8.70447	9.25021
HAX1	7.38388	7.50527	7.63477	7.8031	7.48718	8.26734	8.12603	7.57601	7.9866
AQP10	5.91065	6.07233	5.83701	6.33447	7.35134	6.39061	6.25719	6.7562	6.50205
IL6R	7.63552	7.69404	7.54222	7.77044	6.46839	9.21284	7.87754	7.93828	8.13657
TDRD10	5.59402	5.43843	5.69502	5.26044	6.64917	4.91047	5.19407	5.23104	5.18375

CKS1B	7.74779	8.00101	7.54185	8.12301	7.31857	7.01558	7.55389	7.03988	7.18825
MIR4258	7.02211	6.65194	6.80786	6.09179	6.37572	6.13866	5.61981	4.63687	4.7016
FLAD1	6.74138	6.74697	6.58716	6.99113	6.28398	6.51086	7.23629	6.31626	6.36586
lenep	4.9422	5.1962	5.15479	5.14352	5.82496	5.05837	4.99059	5.13898	4.94582
ZBTB7B	8.33302	8.10417	8.26521	8.2728	7.24166	8.55927	8.57459	7.98445	8.58851
DCST1	6.14035	6.43151	6.2176	6.57066	6.54735	6.84468	6.49678	6.47991	6.5752
ADAM15	8.39234	8.18585	8.55273	8.37716	7.06887	8.27958	8.45031	8.30368	8.27848
EFNA4	8.62048	8.45041	8.72638	7.21763	5.49444	6.83775	7.86104	7.36842	7.05795
EFNA3	9.18981	8.97103	9.44858	9.03753	8.31672	8.78336	9.05894	9.24408	8.4968
EFNA1	8.16066	8.05818	7.54259	8.25978	6.85255	9.0342	8.24509	8.36652	8.44495
TRIM46	5.85983	5.88839	6.09819	6.36469	5.82806	6.35953	6.05761	5.92912	6.1252
mir92b	7.7908	7.26334	7.36868	8.99125	9.38048	8.98477	8.22802	8.10366	8.10809
MTX1	7.3157	6.97171	7.27649	7.67416	6.54344	7.26821	8.24769	7.44477	7.40354
HCN3	7.56162	7.67924	7.07517	7.36387	6.48453	7.59672	7.01138	7.80019	7.45543
FDPS	6.40721	6.8013	6.50539	6.53933	6.14315	7.22228	7.11676	6.85466	7.29549
RUSC1	7.56785	7.35604	7.56438	8.0882	7.11127	8.26238	8.31436	7.82549	8.38535
POU5F1P4	6.83355	7.07746	7.02469	7.43418	8.93087	8.26347	7.41157	7.99475	8.0406
ASH1L-AS1	6.714	6.60891	6.5017	6.46991	6.69891	6.75248	6.73811	6.52678	6.2661
MSTO1	6.8162	7.00801	7.32172	6.3518	6.17782	5.67838	6.39859	6.23292	6.03577
DAP3	8.04224	8.12702	8.07263	7.75976	6.29455	7.8316	8.11335	7.62301	7.54095
SYT11	8.33134	7.71643	8.80059	7.41873	7.35889	6.85471	7.4934	7.87234	7.78986
RXFP4	6.34867	6.75818	6.43853	7.07887	7.54032	7.0909	6.83998	7.1247	6.87156
MEX3A	6.76803	7.2919	7.17563	7.53583	9.25969	7.76258	7.34698	7.48573	6.7848
LMNA	9.07628	8.15897	8.69792	8.62531	6.54194	8.92292	9.2236	8.57373	8.92469
PMF1-BGLAP	6.98984	6.87322	7.05682	7.53314	6.64148	7.34687	7.52342	7.03115	7.00899
TMEM79	9.41452	9.21578	9.29471	10.3091	9.20708	10.2816	10.3037	9.62504	10.447

TSACC	4.11502	4.46238	4.22074	4.78335	5.29136	4.68318	4.71152	4.32415	4.36294
TTC24	5.33753	5.61273	5.88801	6.31751	6.89699	6.25679	6.02509	5.9057	6.53096
NAXE	8.68618	8.74703	8.70891	9.50303	7.82081	8.87891	9.85953	8.56067	8.96291
HAPLN2	6.03368	5.93511	5.70908	6.63094	6.14569	7.05092	7.08113	6.37895	6.70196
BCAN	5.43798	5.78902	5.77597	6.15427	6.29149	6.13675	5.69895	6.10158	5.79446
RRNAD1	7.25704	7.34452	7.10222	6.93108	6.38998	6.28245	6.85111	6.47699	6.51672
PRCC	8.34263	8.28168	8.22989	8.37832	6.74264	7.56643	8.63639	7.6468	8.40989
PEAR1	6.38034	6.31807	6.43654	5.89818	6.21622	6.22043	6.1647	6.30723	6.76925
LRRC71	5.49184	5.61387	5.61387	5.67662	6.10105	6.11942	5.87117	6.13583	5.80397
KIRREL	8.18172	8.05797	8.07545	8.13747	6.67122	7.74359	7.85321	7.68293	7.55834
CD1D	4.92964	5.66643	5.38381	5.96729	6.71695	6.48098	5.6791	5.87443	5.93995
CD1A	7.505	6.79665	7.35971	6.7583	7.03878	6.57273	7.01878	5.641	6.30737
CD1C	6.19463	5.79271	5.92406	5.81671	7.04325	5.76699	6.02595	5.82097	5.73234
CD1E	5.9779	4.92592	5.36057	4.90833	5.53335	5.2751	4.9879	4.5358	4.71872
MNDA	5.07098	4.54135	5.31994	4.48579	4.82154	4.85532	4.96458	5.04802	4.86136
CADM3	6.58101	6.92376	7.06166	6.28275	6.77531	6.7106	6.28285	6.49305	6.27172
DUSP23	8.35418	8.11487	8.06259	8.85676	7.66703	8.56145	9.62786	8.08353	8.40845
FCRL6	5.74635	5.85269	5.97974	6.32914	6.72557	6.5294	5.79797	6.35152	6.40823
SLAMF8	6.68478	6.39937	6.85258	6.829	6.99457	6.50165	6.80717	7.04229	7.06365
LINC01133	6.42573	7.11566	6.21498	5.88034	5.91279	7.61097	6.33118	5.99853	5.38435
PEA15	11.2539	11.1384	11.2113	11.3752	11.2131	11.913	11.576	11.6412	12.0338
SUMO1P3	2.84051	2.4912	2.05295	3.20268	3.23462	2.88015	2.56135	2.46586	3.20787
NCSTN	9.95069	9.65047	9.95773	9.10392	7.93198	9.18826	9.44865	8.93563	9.53259
NHLH1	5.95373	6.00046	6.00016	6.33421	6.77733	5.97758	6.03225	6.0541	6.24324
SLAMF7	7.34624	7.18464	6.48947	7.76932	9.91818	9.85511	9.25796	9.96864	9.49183
LY9	5.91329	6.19382	6.33135	6.22428	7.05566	6.60424	6.14127	6.39928	6.43119

KLHDC9	6.07586	6.12957	6.23016	6.14713	6.0596	6.49983	6.17401	6.14497	6.27914
NIT1	8.33163	7.77219	7.63895	7.76589	7.41883	8.64944	8.25532	8.43896	8.84939
UFC1	10.7008	10.4791	10.4323	9.7177	9.76145	9.69065	10.2567	9.88818	10.3339
USP21	8.30933	7.96856	8.15085	7.34259	7.52728	7.0923	7.83454	7.73926	7.43817
PPOX	6.10793	5.96701	6.0887	5.79608	5.39733	5.30696	5.60183	5.81187	5.14056
TOMM40L	6.19975	6.25889	6.07661	5.99488	5.84109	5.99517	6.65754	6.21407	5.94677
pcp411	8.5014	8.4568	7.89532	6.99006	7.20178	8.11861	7.56209	7.49483	6.43232
HSPA6	6.01654	6.01559	5.9349	6.66095	6.18794	7.55159	7.14655	6.71436	6.84312
HSPA7	5.6875	5.51947	5.67317	5.93387	4.92875	6.85174	5.44672	5.5829	5.84082
FCRLA	4.95534	5.06692	5.13712	5.53154	5.84077	5.64977	5.39543	5.30757	5.29827
FCRLB	5.27502	5.60791	5.69703	6.20514	5.69182	6.33332	6.27371	5.99126	6.15207
DUSP12	7.26587	7.39319	7.63615	7.13464	6.40821	6.95001	7.64944	6.76447	6.78863
ATF6	10.7792	10.5494	10.4193	9.74203	8.14407	9.77328	10.1275	9.55038	10.037
NOS1AP	6.07715	5.7713	5.66448	6.2608	6.43732	6.68064	5.8174	6.15289	6.05179
MIR556	2.22554	2.08627	2.32571	2.45146	1.94561	2.1123	2.72907	1.87938	2.11593
C1orf226	6.09313	5.74909	6.16722	5.66745	6.91302	6.26533	5.95653	6.82133	6.38978
UHMK1	7.72944	8.03943	7.97878	8.13686	7.08815	8.00959	8.75871	8.16647	7.9835
UAP1	8.56979	8.28307	8.90908	9.86163	7.94738	9.7375	9.44026	10.0879	10.0224
DDR2	7.97895	8.4431	8.70869	7.70201	7.51722	7.42609	7.68512	7.64266	7.91939
HSD17B7	6.3811	6.30311	6.42671	5.69392	6.30475	4.81163	5.26212	5.35048	5.54626
RGS4	4.9615	4.94014	4.7331	5.57697	6.20321	5.7712	5.03937	5.47177	5.75002
PBX1	8.22874	8.473	7.93804	6.99561	6.42399	6.38582	6.98853	6.03817	6.486
LRRC52	4.04354	4.30736	4.31002	4.72104	5.83796	5.51706	4.61021	4.5741	4.92597
MGST3	6.5582	6.41336	6.717	5.79539	5.23192	5.53131	6.31759	5.8144	5.84057
LOC440700	4.46686	4.37496	4.54605	4.62582	5.07118	5.62267	4.76733	4.31716	4.89205
UCK2	7.63663	7.69222	7.62644	7.78791	7.47157	8.21269	8.28569	7.50932	8.23823

FMO9P	3.39696	2.96656	2.99439	3.18115	3.66945	3.55997	3.31507	2.90339	2.82701
POGK	7.81025	8.05547	7.99765	7.15748	5.85908	6.59071	7.39716	6.3149	6.83991
MAEL	5.2121	4.97245	5.05847	5.34784	5.23915	5.7408	5.33065	5.41259	5.36775
DUSP27	5.42629	5.38967	5.58519	5.7212	6.37829	6.21685	5.67717	6.25279	5.79793
POU2F1	9.37143	9.5127	9.45387	7.98765	7.58595	9.27125	8.4759	10.1009	8.94354
RCSD1	5.36607	6.00968	5.84935	5.73603	6.32492	5.74313	5.8074	6.013	5.88427
MPZL1	8.17351	8.05141	8.12234	7.86588	6.40952	7.56311	8.41878	8.09696	7.86557
DCAF6	8.78182	8.39449	8.62459	8.13177	6.58109	7.5637	8.49654	7.28785	7.69013
SFT2D2	10.8801	10.4121	10.6357	10.3004	9.67869	10.5472	10.5901	10.8333	10.7298
TBX19	6.72104	6.65038	6.67729	5.93927	6.80143	6.40352	6.08201	7.22491	6.82424
MIR557	7.5025	7.53888	7.79327	8.12311	9.35714	8.34299	8.09413	8.33939	7.96627
XCL1	4.16611	3.89611	4.00579	4.38195	5.39873	5.06746	4.92833	3.9557	4.21066
LINC00626	4.18386	4.52202	4.28182	5.11518	5.42939	4.86871	4.7367	4.94721	4.61534
BLZF1	9.27355	9.39763	9.26893	9.30431	7.93795	9.94523	9.33997	10.0506	10.2209
KIFAP3	5.52285	5.20128	5.10986	6.99658	4.39324	6.46641	6.78754	5.69307	5.86387
METTLL11B	4.02083	3.95211	3.77235	3.98547	4.9741	4.27232	4.23125	3.93274	4.17144
MIR3119-1	1.79034	1.77312	1.77007	2.23321	1.81265	2.51936	2.39057	2.2554	2.08784
PRRX1	8.54476	8.01205	8.49973	7.85146	6.13885	6.95634	7.14675	6.5657	7.30134
MROH9	3.90799	3.75827	3.18384	3.43888	4.73223	3.85918	3.94593	3.76992	3.63127
FMO3	7.46512	5.72614	8.02003	5.26613	5.27874	5.64905	5.97806	5.55397	5.47721
FMO6P	6.44525	6.22714	5.7156	6.07129	6.38081	5.87141	5.49845	5.71069	5.53902
FMO2	6.68365	7.02608	7.05091	8.29083	6.28147	5.09358	6.38243	6.68133	5.75908
FMO1	6.74038	6.00304	6.29879	6.24305	6.1987	5.29632	4.39085	4.85797	4.80912
FMO4	7.43682	7.10992	7.01129	6.05467	6.29312	5.05397	6.50515	5.44427	5.27836
TOP1P1	5.2956	5.47896	5.51361	3.60692	4.20784	4.17063	4.53007	4.15541	3.6843
PRRC2C	11.2734	11.1156	11.1022	10.1097	8.20196	10.1362	10.3909	10.6349	11.1056

METTL13	7.24029	7.37208	7.28828	7.27974	7.08529	7.38272	7.63592	7.19567	7.19465
DNM3	6.56424	6.98501	6.75915	5.64141	5.48737	5.6902	6.07721	6.1933	6.02351
MIR214	4.94266	4.86049	5.02595	5.04682	4.52159	5.47218	4.76677	5.3682	5.22568
C1orf105	5.11299	5.16553	5.03962	5.58226	6.29285	5.40935	5.18693	5.59229	5.34645
SUCO	9.01659	8.7436	8.77782	8.36758	6.45602	9.19462	8.78748	9.49171	9.19893
PRDX6	10.287	10.7217	10.3525	10.2722	8.7428	9.54457	10.2365	9.97809	9.88721
LOC730159	2.67091	2.94683	2.77709	3.12598	4.34008	3.45386	3.15532	2.97463	3.08618
KLHL20	8.63231	8.6274	8.59428	7.93633	6.40253	6.95984	8.34791	7.4806	7.58171
GAS5-AS1	5.74918	5.71903	5.44929	5.09304	5.44359	4.63153	5.67351	5.08133	5.46413
ZBTB37	7.74461	8.24624	7.95878	6.84574	6.95337	7.04561	7.24661	6.52185	6.85685
RABGAP1L	7.62407	7.63323	7.28579	6.57182	5.98862	5.8262	6.42519	6.09381	6.50811
GPR52	8.47305	8.22554	7.73062	7.14778	6.77988	5.32714	5.81762	6.57535	7.00875
CACYBP	6.61739	6.79161	6.71022	6.6139	6.01849	6.53018	6.98376	6.4311	6.36377
TNN	5.76157	5.69891	5.82946	6.38851	6.83754	6.0743	5.92254	6.10724	6.07741
KIAA0040	5.40858	5.45662	5.86415	6.7368	6.64855	7.19625	7.17006	6.55963	6.24788
PAPPA2	5.42992	5.594	5.4927	5.58873	6.05731	5.49702	5.56946	5.7421	5.47721
RASAL2	9.27441	9.06257	9.1075	8.84444	7.71943	8.96494	8.58506	8.86704	9.19598
TEX35	4.61378	4.07819	3.86431	4.45386	5.89754	5.60992	5.02403	5.09414	4.85305
C1orf220	6.38521	6.14246	5.97433	5.65703	6.26228	5.86963	5.65522	5.65431	5.64015
MIR4424	2.29503	2.81946	2.06947	2.90752	2.20412	1.87066	3.13928	2.30276	2.41238
RALGPS2	9.06342	9.04894	8.58263	8.48376	5.96556	9.5556	8.86194	9.10597	9.49658
ABL2	5.21002	5.39579	5.3736	6.29422	5.15264	5.60942	6.21398	6.18579	6.64225
SOAT1	6.80125	6.61847	7.14529	7.55869	6.63138	6.64604	7.08652	7.33542	7.13045
AXDND1	5.10378	5.22476	5.05384	5.14144	5.81527	5.4883	5.40744	5.17738	5.43838
TDRD5	4.25315	4.96701	4.71897	4.70233	5.03821	5.15908	4.57553	4.95047	4.53007
TOR1AIP1	8.98918	8.91071	9.1506	8.98918	7.37098	9.66418	9.17361	9.10089	9.63326

cep350	9.23877	9.39949	9.25981	8.33303	6.91047	8.98362	8.66171	8.77394	9.03469
qsox1	9.37553	9.12141	9.20881	10.7535	10.9095	12.2063	11.3142	12.1861	11.9283
LHX4	4.36387	4.09338	4.28965	4.95168	4.8853	5.03025	5.10786	5.30332	6.41908
XPR1	8.95675	8.63492	8.63614	8.63551	7.44471	7.42163	8.73662	8.86069	8.5716
KIAA1614	5.82555	5.98704	5.93041	6.04948	7.06643	6.37486	6.0214	6.26239	5.82102
IER5	7.22844	6.71264	6.72095	7.82498	6.2032	8.30319	8.58764	8.74561	8.2565
GM140	4.46371	4.89305	4.76204	4.94506	6.03619	4.82266	4.3739	5.2237	4.56146
LINC00272	3.71761	3.59337	4.50042	4.38471	4.0885	3.81865	3.83456	3.73964	4.32868
RGSL1	4.3346	4.56908	4.30703	4.69451	5.79991	4.44302	4.63786	4.63518	4.62164
LOC284648	5.40715	4.62001	4.97243	5.33643	5.96305	5.36423	5.53641	5.09866	5.2766
NPL	8.37371	6.98588	7.65617	6.1961	6.42368	5.87547	6.28516	6.17032	5.9375
DHX9	9.63913	9.57653	9.8406	9.30734	6.01567	8.41584	9.36346	8.64952	8.91251
RGL1	8.57516	8.49103	8.69079	7.32529	7.31196	7.06145	7.48076	6.91609	6.95549
tsen15	7.5467	7.14585	7.53748	7.18771	5.45372	6.65538	7.60008	6.68738	6.90259
c1orf21	9.81554	9.78714	9.38547	8.55633	7.55821	8.65607	8.66701	8.68907	8.45065
RNF2	8.4011	8.33988	8.46265	8.48611	6.86587	8.84002	8.53534	8.5235	8.30325
SWT1	6.82263	6.88546	6.54991	5.74409	4.94704	5.78643	5.96567	5.71434	6.04189
HMCN1	7.82218	7.87895	7.80974	7.2855	5.57487	5.31524	6.90629	5.94086	6.03459
PRG4	4.13871	5.31775	7.80725	4.32142	4.56028	4.31199	4.15754	3.83129	4.2381
C1orf27	8.26985	7.91694	8.22982	6.87177	5.19399	6.99997	7.49772	7.40062	7.66686
OCLM	7.38111	7.25197	7.61572	4.91792	4.11212	4.36596	3.67182	6.51805	6.24267
LOC440704	4.04024	3.8216	3.76764	4.34271	5.47998	4.35378	4.45543	4.4054	4.28188
RGS18	4.06644	3.87765	3.74069	4.00267	3.66536	3.91197	4.25422	3.69026	3.78263
RGS21	4.57877	4.912	4.62596	4.62174	5.5974	4.73888	5.13257	4.56021	4.84358
RGS1	7.23272	4.65798	5.37761	5.18587	4.2877	5.96552	6.2672	5.03337	4.82408
RGS13	5.41948	4.52328	5.2534	4.73385	4.81417	4.58117	4.93308	4.07185	4.64661

MIR1278	3.54782	3.52434	3.0187	3.97567	3.13506	4.06798	4.06482	3.85989	3.86094
CFH	7.90271	8.10011	9.08564	6.20549	5.14399	5.61517	6.49301	4.96863	6.43715
CFHR3	4.14466	3.77629	4.31337	3.858	5.26302	4.40514	4.0565	4.52906	4.20123
CFHR4	3.24459	2.89261	3.36481	4.24937	3.38769	4.19788	3.53838	3.5242	3.1535
CFHR2	2.84089	3.01653	1.86649	2.10997	1.79838	2.1954	2.83256	2.55808	2.94021
CFHR5	3.27894	3.43626	3.09423	2.7272	4.53492	3.93048	3.7122	4.02868	3.76423
CRB1	5.11671	5.07391	5.23222	5.30552	5.98165	5.33359	5.23753	5.2182	5.37003
C1orf53	5.49917	5.21172	5.6626	6.48539	5.85066	6.23089	6.65516	5.3836	6.01849
LHX9	4.63992	5.28218	4.79009	5.30118	5.7356	5.70004	5.05669	5.30987	5.20244
NEK7	9.11619	8.60403	9.15667	9.64374	6.7384	8.76007	9.34985	9.25623	9.71708
GPR25	6.11006	5.98882	6.36926	6.5536	6.53626	7.25534	7.21684	7.33278	6.72312
C1ORF106	7.90538	7.82972	7.91917	8.1944	7.7034	8.45434	8.31518	8.20249	8.29518
pkp1	11.7576	11.7678	11.7253	11.8992	10.8004	11.9576	12.0222	11.7494	12.2262
RPS10P7	3.84059	3.98656	3.7748	3.97724	3.79361	4.22552	4.10364	4.60122	4.04609
NAV1	9.26347	8.85306	9.16124	9.06095	7.16218	8.81736	9.62807	8.60726	9.08035
MIR1231	7.09507	7.11605	6.9597	6.33626	7.29048	6.97356	6.32761	7.0086	7.30548
IPO9	9.01454	8.96752	9.13494	8.35325	6.14444	7.5843	8.40635	8.18094	8.18195
SHISA4	6.40267	6.31535	6.26109	6.90381	6.52609	7.02973	6.78405	7.04931	6.72884
LMOD1	5.97824	6.38083	6.58749	7.06713	6.88737	6.85514	6.58501	6.65714	7.07537
TIMM17A	7.01349	7.35177	7.18399	7.77689	6.64174	7.03992	7.79123	6.72069	7.38682
RNPEP	8.6371	8.31034	8.57916	8.65236	7.30012	8.35201	9.0791	7.88079	8.20484
GPR37L1	6.28776	6.5242	6.34532	7.16106	7.21987	7.02701	6.83097	7.03124	6.82054
LGR6	6.93557	7.27929	6.11325	6.74347	6.53553	6.6221	6.7044	6.51999	6.39553
PCAT6	7.00116	7.35114	6.85717	7.79607	7.977	7.84193	8.11193	7.01942	7.15854
MGAT4EP	5.22874	5.44275	5.24791	5.62135	6.04177	5.72044	5.5146	5.57693	5.63003
LOC148709	4.54125	4.42647	4.63835	5.07878	6.19623	5.15919	4.49807	5.09275	4.96711

ADORA1	6.59478	6.37722	6.59007	6.33401	7.47426	7.73354	7.00852	6.63925	6.86214
PRELP	8.03957	8.16357	9.29121	6.44481	7.07533	6.84341	7.70362	6.78755	7.32812
OPTC	5.75521	5.99425	5.57979	6.22595	7.63773	6.56682	6.28853	6.21702	6.24026
LAX1	5.6838	5.823	5.81174	5.69306	6.6407	5.82896	5.85086	5.83854	5.87325
ZC3H11A	10.0631	10.4534	10.0162	9.50856	8.04739	9.7113	9.54537	10.2349	9.95525
SNRPE	5.55511	5.34978	5.60045	6.28078	6.07031	5.79864	5.67501	5.72383	5.84567
SOX13	6.4013	6.37754	6.81455	6.33349	6.02243	6.54685	6.65675	6.56625	6.40183
ETNK2	4.44897	4.11051	4.2845	4.21878	4.5443	4.66995	4.24035	4.49003	4.74056
MDM4	9.54356	9.49353	9.53091	7.60994	6.3144	7.20784	7.79879	7.92217	8.00819
NFASC	7.84222	6.89635	7.04612	6.85266	6.34366	6.44042	6.78964	6.23272	6.47795
CNTN2	6.19137	6.35673	6.39317	6.6583	6.64114	6.5699	6.49797	6.49308	6.77048
TMCC2	6.56366	6.34223	6.47834	7.11334	6.77267	7.40054	7.02612	7.07275	7.13759
LEMD1-AS1	4.80909	4.72112	4.75679	5.01127	6.33797	5.31569	5.23369	5.12131	5.00901
CDK18	6.88246	7.21314	7.02669	7.25363	7.73902	7.47291	7.01795	7.23015	7.33617
MFSD4A	7.0202	7.20202	7.73837	6.2516	6.31626	6.42928	6.12841	6.22734	6.15031
NUCKS1	5.85532	5.56181	5.67686	6.52304	4.20631	5.24733	7.80955	4.73922	4.65915
AVPR1B	5.15422	5.46259	5.39121	5.93476	6.30601	5.82663	5.84195	5.77395	5.70478
CTSE	5.63374	5.58646	5.50087	5.77604	6.11971	5.98088	5.66971	5.76367	5.93695
SRGAP2	9.5829	9.80136	9.16155	7.69446	6.95592	6.66153	7.14841	7.70957	6.97986
RASSF5	8.45338	8.24981	8.38973	7.94586	8.24065	8.76309	8.39512	9.93594	8.74583
DYRK3	6.52686	5.60571	5.40768	6.66463	5.0872	6.6422	6.67965	6.67062	6.7368
MAPKAPK2	9.03021	8.85192	9.04668	9.24032	8.21646	8.96942	9.3375	9.328	9.58801
IL19	5.403	5.19671	5.28598	5.45235	6.35871	5.56993	5.34831	5.67002	5.61996
IL20	7.04699	5.24193	4.88882	6.86893	7.24667	6.22703	7.16047	7.13027	6.99704
IL24	5.13386	4.86398	5.19498	8.45581	5.91374	7.49692	6.59767	10.8927	9.72882
CR2	3.83023	3.98096	3.87076	4.17072	5.0698	4.28448	4.35817	4.28235	4.48851

CR1	4.78489	4.9116	4.53552	5.33334	6.07476	5.39674	4.75478	4.79845	5.36929
CR1L	4.17542	4.20011	3.30265	4.51751	5.37484	5.13991	4.16033	4.7867	4.63458
LOC148696	5.38571	5.48219	5.31243	5.96306	6.57232	6.37449	6.02031	5.8804	5.84558
mir205	10.4533	10.3095	10.0358	9.37362	8.63512	7.96154	9.40482	9.68118	10.1749
CAMK1G	4.17834	4.91626	4.58141	4.85561	6.35321	4.87894	4.56412	5.03954	4.75987
GOS2	6.27895	6.45852	7.48039	6.49629	6.52979	8.35216	6.66655	7.72917	7.39131
HSD11B1	7.14527	8.31097	7.01079	6.4246	6.48053	6.16685	6.44178	6.52568	6.72053
TRAF3IP3	6.3335	6.04413	6.23995	6.21405	5.7368	6.26894	6.43641	6.32834	6.54839
DIEXF	7.70642	7.89694	7.87475	6.91295	6.22828	6.15337	6.86659	6.64622	7.01068
SYT14	3.47906	3.15733	3.42486	3.88591	4.72868	3.65421	4.01808	4.23214	4.08948
SERTAD4	8.54576	8.55165	9.06793	6.52138	6.00574	6.26155	7.73756	6.45633	5.53093
HHAT	6.80799	6.70576	6.63213	6.34049	6.83664	6.44244	6.52186	6.90182	6.17873
RCOR3	9.64745	9.36609	9.49109	6.97405	6.67849	6.69547	7.1074	7.79758	7.48483
TRAF5	7.05256	6.69989	7.22173	5.88944	5.73739	5.31188	5.98536	5.60574	5.69645
LINC00467	6.13092	6.29164	6.4593	6.09379	6.60031	5.67872	7.16113	5.84039	6.34215
RD3	5.37271	5.62035	5.77418	5.75025	6.48929	5.88638	5.7421	5.60648	5.767
DTL	7.9429	7.4974	8.0466	7.68126	6.81014	6.35293	7.01015	7.06024	6.57602
MIR3122	4.96343	4.50858	5.01123	4.26812	4.43535	4.26614	4.56355	4.92757	4.31007
NENF	7.23249	7.52819	7.35846	8.20064	6.43012	8.43789	8.44612	7.60441	7.56586
ATF3	8.05166	6.01299	5.43129	6.08385	5.53816	7.53747	6.80572	8.17295	6.26348
TATDN3	7.10302	7.34584	7.70725	6.22031	5.53226	6.03076	6.77514	5.86993	5.74029
FLVCR1	7.4488	7.40206	7.46503	6.61367	5.50183	6.06068	6.96856	6.02592	6.58065
VASH2	5.65847	6.04504	5.8594	6.33533	6.62442	6.23127	6.08739	6.19206	6.09702
PROX1	6.10393	5.96362	6.57255	6.00968	6.52771	6.24933	6.37091	5.93688	6.08855
SMYD2	9.00621	8.41703	9.04792	8.99907	6.80139	8.9364	8.82804	8.14433	8.74407
KCTD3	9.10003	9.18894	9.26178	8.33519	5.88479	7.55504	8.58519	8.16363	8.01875

SPATA17		5.79076	5.21372	5.47627	5.21411	4.94834	5.13898	5.649	5.09428	4.7528
LINC00210		5.32091	5.28837	5.29023	5.78899	6.32847	5.75672	5.52516	5.87993	5.4728
RRP15		6.89919	6.9623	7.00004	6.84272	5.39029	6.66284	7.57645	6.08735	6.84177
LYPLAL1		7.61461	7.84813	7.73301	6.70962	5.70195	6.14055	6.92363	6.42908	6.2692
mark1		8.00399	7.18313	7.22716	7.53633	5.49068	6.75853	7.68871	6.95013	7.84355
C1orf115		6.29909	6.48218	6.35089	6.14476	6.33466	6.55408	6.34291	6.40597	6.21892
	44257	6.55736	6.80073	7.09031	6.28836	6.62246	6.47209	6.34908	6.3862	6.49705
	44256	5.88093	5.50853	5.77118	5.77321	6.35281	5.85996	5.93917	5.929	5.93486
HLX		5.46484	5.31386	5.96905	6.05866	6.10555	5.93052	5.70107	5.85771	6.13869
BROX		10.5287	10.7113	10.7137	9.77615	7.98991	9.98335	10.309	9.67183	10.084
DISP1		6.91534	6.94534	6.87048	5.29293	6.38632	5.17649	5.74217	5.5563	5.56375
CCDC185		5.45418	5.20539	5.19258	6.37856	5.36439	6.52784	5.96761	5.7118	6.00878
FBXO28		9.5974	9.45967	9.14981	8.7694	6.75462	8.32857	8.77263	8.31484	8.35598
CNIH4		8.31064	8.42309	8.67408	8.99368	7.72103	8.3197	9.31044	8.17525	8.44707
CNIH3		5.4008	5.72535	5.58296	5.43399	6.43936	5.57063	5.21008	5.663	5.5918
SRP9		10.7198	10.3899	10.6818	10.2151	8.52487	9.86587	10.6197	9.93455	10.1203
MIXL1		5.13498	4.98337	5.10734	5.82256	6.45313	5.64342	5.47783	5.5228	5.70258
STUM		6.68977	7.25737	6.99911	7.71054	7.08802	7.95753	7.31998	7.43509	7.56936
PSEN2		6.41872	6.8217	6.22437	6.7391	6.17577	6.42891	6.99344	6.90593	6.9027
COQ8A		6.95374	7.12011	7.44551	7.08859	6.8248	7.16814	6.7867	7.06546	6.46264
CDC42BPA		6.28564	5.52762	5.95592	6.90847	5.93837	6.80514	6.71599	6.36345	6.41943
ZNF678		5.72599	5.89371	5.44087	4.55645	5.08236	4.23952	4.69511	4.04056	4.67277
ARF1		9.43455	8.92974	9.41425	9.70661	8.78529	9.91213	10.0524	9.78507	9.99936
MIR3620		6.74709	6.8188	6.3649	7.06408	8.22464	7.26609	7.04185	6.5825	7.12546
GUK1		7.06704	6.83255	6.81002	7.57997	7.48767	8.38158	7.7688	7.90377	7.67997
MIR4666A		3.39855	3.21287	3.07515	4.10701	3.4173	4.05905	4.28156	3.90119	3.89279

RNF187	8.22354	7.94386	8.03467	9.48186	8.28448	9.37362	9.34224	8.35833	8.55837
RHOU	6.36685	6.70642	6.58471	6.27273	5.96129	6.18842	5.94217	6.02267	5.77709
URB2	6.39206	6.55495	6.65658	6.79993	6.0609	6.01543	6.50034	6.22424	6.16792
GALNT2	7.56052	7.18058	7.31543	7.88985	5.5167	7.67806	7.74502	8.55351	7.87371
COG2	7.64367	7.80171	7.58817	6.59628	6.40349	5.84385	7.03814	6.15628	6.54192
CAPN9	5.05855	5.06199	4.93274	5.57888	5.93922	5.25632	5.27039	5.03531	5.47272
ARV1	8.47209	8.83701	8.70624	7.67875	6.88047	6.3461	8.43752	7.47565	7.654
TRIM67	5.8075	6.29749	5.8267	6.42672	6.58907	6.94302	6.30797	6.37398	6.51938
GNPAT	8.29081	8.55408	8.30012	8.26202	6.1278	7.59682	8.50736	7.62828	8.03743
SPRTN	7.70902	7.54935	7.60519	7.2533	6.56655	6.48162	7.09805	7.12138	7.31195
TSNAX-DISC1	6.56283	6.59457	6.60895	5.86335	6.90265	6.00325	6.02804	6.05202	6.03708
MAP10	4.27619	4.12973	4.13939	4.57202	4.62444	4.58108	4.22877	3.97312	4.45118
MLK4	6.95992	7.24028	6.91473	6.68985	6.492	6.8379	6.7729	6.52847	6.64049
MIR4427	4.28639	4.23581	3.65078	3.75769	2.79649	2.45093	3.38644	4.34518	5.28642
MIR4671	2.22195	1.95011	2.27178	1.95375	2.50331	2.53207	2.82473	2.67464	2.58781
coa6	6.00478	5.44537	5.61111	6.66772	4.46851	6.22915	7.06884	6.17772	6.61377
IRF2BP2	7.56806	7.45016	7.37925	8.88123	8.43294	8.5734	9.15753	7.97161	7.92865
LINC00184	5.12721	5.47216	5.2025	5.7603	6.55503	5.96295	5.57754	4.92323	5.70199
LINC01132	5.44411	4.80718	5.24626	5.17019	5.91686	5.42735	5.29347	5.40892	5.8397
GGPS1	6.50287	6.54767	6.55083	6.49718	6.39418	6.36345	6.4728	6.9938	6.64184
TBCE	7.41767	7.34642	7.0056	7.44454	5.3547	6.80927	7.57683	6.84828	7.36448
GPR137B	9.99992	9.46883	10.0675	9.82321	8.68725	8.80959	10.3109	9.54042	8.89647
EDARADD	6.44328	6.3334	6.33453	6.76758	6.28662	6.35951	6.66377	6.06482	5.81824
MTR	8.72011	9.44649	9.02409	7.78128	7.13706	7.15553	7.67816	7.25329	7.19391
RYR2	5.88917	5.47923	5.69244	4.98072	5.805	5.42548	5.06644	5.10393	5.22717
RPS7P5	5.02344	4.87351	5.17173	5.85766	6.43399	6.14972	5.79871	5.51328	5.58432

FMN2	4.56208	4.45464	5.00576	5.03253	5.20028	4.99055	5.12675	4.81846	4.80759
MIR3123	3.63478	3.76653	3.74333	4.10889	4.75853	4.24298	3.3788	4.59602	4.38818
KMO	3.66918	3.8859	4.15107	4.57461	6.505	4.91285	4.90687	4.74478	5.14128
WDR64	4.20369	4.26143	4.04906	4.30095	5.04445	5.1796	4.86366	4.38431	4.60675
EXO1	5.25977	5.01424	5.20306	5.9552	4.84975	4.9107	5.32583	5.25983	5.23331
SDCCAG8	8.46818	8.46232	8.11983	7.26907	5.20728	6.83349	7.77728	7.10145	7.43687
MIR4677	7.45446	7.2033	6.98288	5.44764	6.29325	5.89717	5.27771	5.79928	6.383
LOC339529	5.73154	5.78916	5.65658	5.99796	6.60163	6.30883	6.2725	5.82094	6.26811
zbtb18	6.72092	7.20643	6.69554	6.65797	6.18913	6.55124	6.65609	6.43102	6.09222
C1orf100	5.54269	5.38853	5.28247	5.3812	6.16668	5.60912	5.71907	5.77104	5.53514
C1orf101	6.11129	6.2564	6.12925	5.54618	6.19963	6.32232	5.52616	5.88615	5.71582
DES12	8.26664	7.74235	8.15999	8.0022	5.88943	8.00667	8.1079	8.14022	7.83232
cox20	8.74999	8.67074	8.82259	8.43843	6.877	7.74992	8.93862	7.87481	8.5653
EFCAB2	6.58304	6.38487	6.88687	5.61244	6.04638	6.08026	5.71553	5.76537	6.06008
KIF26B	6.44874	5.97754	6.30234	6.43711	6.4112	6.13241	6.53914	6.26603	6.32784
SCCPDH	7.18538	5.92795	7.45212	6.46617	5.72448	5.50693	6.5383	5.50746	5.79089
LINC01341	5.40155	5.40525	5.59151	5.85766	5.64211	5.74811	5.57805	5.47587	5.6574
VN1R5	3.32719	3.78771	3.57406	3.75746	5.44461	3.51684	4.23372	3.94961	3.63085
MIR3124	3.07739	3.18651	3.76389	3.86593	4.20632	4.12568	3.81694	3.80138	3.89472
ZNF672	7.00817	7.05462	6.99613	7.47874	7.15997	7.70067	7.8497	7.47063	7.68137
PGBD2	6.55553	6.60921	6.49771	6.59038	6.09241	6.13866	6.70983	5.63259	6.12356
WASH7P	9.63602	9.88774	9.92406	9.32268	9.36776	9.09373	9.37561	9.44981	9.47692
LOC729737	9.50871	9.31763	9.90547	9.4138	10.0683	10.0373	8.82409	10.9283	10.0102
LINC00115	4.95728	5.47611	5.35121	3.60183	2.46386	3.66894	2.83815	3.10429	3.46364
NOC2L	5.854	5.79881	5.74768	6.67228	5.01736	5.88182	6.36286	5.68719	6.02873
PERM1	6.71264	6.73645	6.17297	6.78386	6.69169	7.25398	7.01926	6.86055	6.92089

HES4	6.64705	6.65086	6.82623	7.76924	6.06024	8.26134	7.30088	7.87311	7.52307
Rnf223	7.56518	7.36946	7.08932	8.82179	9.61823	10.8726	9.29219	10.6948	9.67342
C1orf159	6.5355	6.53372	6.30968	6.88933	6.94755	7.30979	7.19396	7.26185	7.29488
SDF4	7.50494	7.61303	7.82276	8.40598	7.06981	8.74627	8.46063	7.95702	7.9784
CPSF3L	7.41353	7.38517	7.40202	7.77443	6.70338	8.00196	8.22918	8.08655	7.80215
MXRA8	8.78084	8.82371	9.15125	9.06338	8.26173	8.56712	8.93231	7.96491	8.04187
AURKAIP1	7.24533	7.0776	7.18874	8.55333	7.73161	8.23439	8.7166	8.34999	8.11037
CCNL2	8.44655	8.27167	8.1355	7.17208	6.00176	6.92575	7.21086	7.80054	7.68168
MRPL20	7.378	7.31995	7.30617	7.61559	7.01809	7.55998	7.82475	7.32762	7.64418
ANKRD65	6.33768	6.21348	6.44575	6.769	6.86445	6.94471	6.51404	6.98185	6.50874
TMEM240	4.6581	4.95419	4.6621	5.24197	4.62064	5.42482	5.07398	5.20723	5.20661
SSU72	8.47043	8.27823	7.99785	9.05459	7.80949	8.27063	9.05054	8.14033	8.56846
FNDC10	7.84245	7.82437	7.79091	8.363	6.59078	7.95367	8.69206	7.47646	7.61407
CDK11A	6.88581	7.0413	6.52533	5.36732	4.65338	4.88975	5.86844	6.58456	6.68559
NADK	7.82709	7.74959	7.88671	8.01978	7.59199	7.97353	8.02276	7.74702	7.78727
TMEM52	6.02248	6.13991	6.29142	7.17317	6.9826	7.112	6.21253	6.75246	6.89703
MORN1	5.88741	5.87036	5.82777	5.68869	6.54849	5.83465	6.06664	5.57406	5.86444
LOC100129534	6.24175	6.80433	6.24753	6.63394	6.74253	6.74887	5.83074	6.24181	6.10349
PEX10	6.78564	6.45459	6.70751	6.77064	5.84106	6.52486	6.75844	6.53958	6.62458
PANK4	6.18591	6.33784	6.1998	6.2399	5.99518	6.26715	6.31148	6.30875	6.59121
HES5	5.55991	5.77504	5.50632	6.54291	4.93031	6.52525	6.81072	6.17781	5.76937
MMEL1	6.19418	6.51778	6.4426	6.65533	6.67343	7.1044	6.52418	7.00083	6.78587
TTC34	6.20582	6.5122	6.71166	7.01836	7.86202	7.34079	7.022	7.2007	7.22309
LINC00982	6.04987	5.94479	6.0873	6.71891	7.10425	6.99573	6.35703	6.74536	6.60774
MEGF6	7.57367	7.39109	7.17477	7.00882	6.90809	6.97735	6.51897	6.73562	6.77193
MIR551A	5.12838	5.42397	5.03095	6.0449	5.76553	6.42755	6.03017	6.07082	6.10495

TP73-AS1	5.58898	6.15498	5.61866	5.59205	5.8758	5.61023	5.64052	5.49694	5.56794
LRRC47	8.80177	8.26637	8.40747	8.51947	6.78624	8.07925	8.73498	7.91234	7.66878
CEP104	8.07058	7.76009	7.84434	7.68618	6.60555	7.62791	7.99848	7.56101	7.6673
C1orf174	8.66114	8.32539	8.60034	8.34129	6.91473	7.58718	8.55989	7.69413	7.62889
MIR4689	7.46275	7.26491	7.3715	7.50098	8.75356	7.92185	7.28938	7.96155	7.87951
NPHP4	6.26332	6.0071	6.17263	6.31642	6.23547	6.6091	6.61317	6.4259	6.16429
CHD5	5.54165	5.36939	5.4312	6.41794	5.83233	6.30615	5.88565	6.2208	6.18084
RPL22	6.06408	6.2452	6.25927	6.76022	6.32229	7.2305	6.54022	6.36258	6.3953
ICMT	8.87426	8.62226	8.82925	8.49767	6.45114	7.58946	8.82306	8.38952	8.3007
GPR153	7.55188	7.14427	7.23566	8.43894	7.53917	9.23714	8.75262	8.38949	9.18819
ACOT7	6.60793	6.28933	6.34609	7.44299	7.18083	7.73331	7.35466	7.56351	7.32333
HES2	6.1612	5.84472	6.15064	7.18385	6.11912	7.31382	7.92654	6.85891	6.78497
MIR4252	5.59071	5.60177	5.88247	6.25286	6.92528	6.43579	5.87758	5.76341	6.39802
NOL9	9.0177	8.83994	8.78726	8.35026	6.6133	7.35539	8.64512	7.5339	8.05294
KLHL21	7.63308	6.97755	7.23439	7.79047	7.00797	8.61045	7.97693	8.2157	8.12772
UTS2	4.54793	4.75545	4.38591	4.49692	4.95577	4.98555	5.46192	4.63811	4.64713
ERRFI1	10.0129	9.43388	10.0382	10.071	10.5345	10.561	9.66495	11.0355	10.4382
RERE	8.48993	8.2979	8.60483	7.8685	7.15376	7.95748	8.1004	8.20195	7.97153
GPR157	8.80857	9.06767	8.84028	9.70713	7.68595	10.0967	9.65013	9.67831	9.05368
MIR34A	5.02713	5.06497	4.98177	4.50656	4.96134	4.96509	4.71993	5.13168	4.96973
PIK3CD-AS1	5.73633	5.82027	5.64049	5.73141	6.37039	6.10408	5.63016	6.15421	6.26084
CLSTN1	9.60743	9.49495	9.42771	9.49885	6.80244	9.26248	9.8395	9.47711	9.55989
LZIC	8.41577	8.02789	8.1832	7.86451	5.67947	8.0315	8.52975	7.72399	8.11506
CASZ1	9.61567	9.44078	9.47157	8.93723	6.97988	9.07191	8.83176	8.55001	9.02894
c1orf127	5.26211	5.34275	5.35146	5.9055	6.04911	6.13903	5.6506	5.8378	5.63376
MASP2	5.87453	6.20073	5.76854	6.40169	6.85975	6.26602	6.37233	6.07856	5.77331

SRM	8.87639	8.73478	9.19303	10.0263	7.78819	8.95091	9.97419	8.1252	9.04939
MTOR	8.92724	8.87487	8.69699	8.61508	6.94668	7.74291	8.63211	8.20481	8.54486
FBXO2	6.01944	6.28651	6.29067	6.82237	6.45035	7.15308	6.98976	7.09531	6.87992
MAD2L2	7.13153	6.8299	7.03878	7.43089	6.9462	7.08435	7.75129	7.05566	7.01695
MTHFR	7.65085	7.29731	7.38225	6.85288	5.2804	6.95034	7.3823	6.93686	7.05515
NPPA	5.6374	5.55654	5.81712	5.66583	6.59111	6.16037	6.0936	6.06636	6.1171
nppb	6.10301	6.48136	6.36724	6.87413	7.20036	7.13772	6.91907	6.72085	7.00567
KIAA2013	8.00015	7.89205	8.09437	8.47774	6.81623	8.10308	8.37702	8.0979	7.9698
DHRS3	8.48123	8.2053	8.28648	8.44602	6.89882	8.87006	8.34525	6.90458	7.47799
PRAMEF11	4.15217	4.53637	4.11282	5.05549	4.05429	5.59852	4.89948	5.38778	5.34334
HNRNPCL1	3.0094	3.35142	3.12697	3.27681	7.20291	3.92241	3.90852	3.30812	3.43095
PRAMEF4	4.0697	4.0663	4.09067	4.52216	6.57565	5.2055	4.32377	5.09745	4.47148
PRAMEF10	6.36926	6.45672	6.42329	6.56134	9.35229	6.65687	6.30097	7.47022	7.30951
HNRNPCL2	5.15568	5.48903	5.80153	5.49562	6.50392	5.43994	5.54085	5.52602	5.96781
PRAMEF14	5.50728	5.35382	5.08745	5.6295	7.18768	5.84549	5.57554	5.81534	5.78389
PRAMEF18	5.42489	5.52478	5.28095	5.84831	6.53989	5.80256	5.13421	5.73766	5.5951
PRAMEF19	5.10553	5.33881	5.05704	5.38786	6.15057	5.57689	5.24235	5.35116	5.35767
LRRC38	5.73592	6.11966	5.98594	6.12903	5.90114	5.95014	6.02728	5.89073	6.45108
TMEM51-AS1	6.35474	6.15887	5.86775	6.42179	6.44066	7.00859	6.5627	6.9539	6.59106
AGMAT	5.39699	5.23802	5.49789	6.18097	6.20838	6.02742	5.54859	5.41735	5.71308
UQCRHL	6.99237	7.10223	7.03993	8.76467	6.47149	8.69904	9.14775	7.63792	7.91917
FLJ37453	5.62296	5.30938	5.28121	5.94848	5.45429	5.96232	6.23894	5.70165	5.49411
ZBTB17	6.72259	6.5519	6.63082	7.16039	6.50006	8.35873	7.3684	7.79513	7.27237
EPHA2	8.31387	7.43116	7.83722	9.51372	7.00268	10.8537	9.39383	9.94551	10.3947
ARHGEF19	7.17767	7.195	7.2828	7.28104	7.00203	6.85067	7.02096	6.81901	6.75652
RSG1	6.5765	6.5966	6.26785	6.80164	7.02454	6.78959	6.54353	6.37528	6.48458

FBXO42	9.11983	9.06523	8.60527	8.78053	6.97092	9.01779	8.47987	9.3781	8.37838
SPATA21	6.05615	6.37744	6.41986	6.21833	7.50843	6.7128	6.54621	6.674	6.57891
ESPNP	4.94054	5.47634	5.21448	6.31884	6.08651	6.24058	5.91414	5.92275	5.9707
mst1l	6.20367	6.05036	6.11102	6.12868	6.24924	6.20987	6.32829	5.92053	5.74856
MFAP2	6.24969	6.35157	6.42248	8.54278	6.3119	6.94476	7.25135	7.04219	7.52775
ATP13A2	8.17662	7.66481	7.91978	8.86263	6.51726	9.19185	9.02721	8.95393	9.51447
RCC2	10.7098	10.2348	10.5316	10.4293	9.04151	10.0436	10.2608	9.26728	10.2404
MIR1290	8.13073	8.27798	8.14717	6.02777	7.08674	4.49066	5.7413	6.78906	6.05271
IFFO2	10.1618	9.87068	10.2323	10.8732	9.12803	11.825	11.0688	11.1114	11.58
UBR4	10.0062	9.67444	9.83405	9.0151	7.21188	8.6944	9.08894	9.85551	9.86167
EMC1	7.56123	7.49369	7.92581	7.57443	6.61043	7.06993	7.69393	6.94962	7.62735
AKR7L	6.26444	6.01837	6.05293	5.4083	5.65763	6.14434	4.87693	5.32184	5.98793
LOC100506730	7.60158	8.18263	8.04126	6.21218	6.82524	6.29081	6.79334	6.08457	5.99915
TMCO4	6.1227	6.12631	6.07815	5.88747	6.08615	6.57949	6.0205	5.81256	6.0456
RNF186	5.9231	5.75723	5.71757	6.39047	6.71815	6.42768	5.93267	6.10436	6.10217
LINC01141	5.82992	6.04948	6.03834	6.28187	7.32237	5.88226	5.97805	6.29866	6.14101
CAMK2N1	7.45976	7.42344	7.69486	7.80736	6.88052	8.00508	7.63331	8.02065	7.88121
MUL1	7.03816	6.69163	6.94215	6.99737	6.13879	7.36113	7.41794	6.96683	7.38509
DDOST	8.33347	8.41668	8.51499	8.53452	6.75372	8.32413	8.52214	8.1491	8.31413
KIF17	5.61722	5.60253	5.69695	6.48644	6.69168	6.57672	6.20459	6.74724	6.35848
SH2D5	5.81136	6.10545	6.06849	6.96903	6.5497	7.60049	6.59462	7.28216	7.91658
MIR1256	4.76171	4.06181	4.3018	3.35249	3.12953	3.3128	3.48826	4.25481	4.69815
ECE1	8.34973	7.88975	8.61504	7.59583	6.39189	7.21578	7.90458	8.28063	7.8433
RAP1GAP	5.82896	6.19534	5.95543	6.85608	6.95148	8.79635	7.778	8.4533	7.94116
USP48	8.44829	8.11689	8.16794	7.03278	5.62937	6.49208	7.42181	7.5802	7.15106
HSPG2	8.96966	7.97159	8.79917	8.07439	6.77561	7.3721	8.11223	8.77392	8.27821

MIR4253	5.07859	4.93939	4.68352	5.72946	5.84272	4.00174	4.35404	4.85122	4.93068
C1orf234	5.10209	5.41752	5.15685	5.72456	6.47254	5.08605	5.70055	5.32332	5.19709
LUZP1	7.92334	7.62552	7.95113	7.82363	6.59003	7.47847	7.94129	8.44993	8.22588
HNRNPR	8.52949	8.68136	8.85818	8.01665	5.13263	7.34986	8.44085	7.38286	7.67953
ZNF436	8.75235	8.78994	8.40341	7.44841	5.91565	6.93516	8.27295	6.29526	7.00718
E2F2	6.71426	6.59042	6.6967	6.9025	6.69037	6.60329	6.50705	6.36852	6.21181
TCEB3-AS1	6.68324	6.78366	6.51937	6.85445	6.41139	6.30843	6.45616	5.85387	5.84401
GALE	6.42753	6.19198	6.62147	6.98133	6.68359	7.03152	7.0934	7.08359	7.27525
HMGCL	6.62753	6.75627	6.35406	6.12275	6.68233	7.22925	6.46095	6.10575	5.9084
CNR2	5.25276	5.07932	5.05215	5.28183	6.09496	5.38582	5.53229	5.50202	5.14214
stpg1	6.07735	6.16339	6.05721	6.09908	5.56978	6.27172	6.50371	6.31641	6.60643
RCAN3AS	4.40766	3.92916	4.28909	4.82428	5.5325	5.05357	4.87494	4.38423	4.53943
RUNX3	6.38401	6.04924	6.22478	4.97491	5.86953	5.61898	5.98553	5.83645	5.73282
RSRP1	8.4171	8.2775	7.80964	7.91754	6.33493	7.20105	6.75597	7.26848	7.95829
LOC646471	5.64896	5.67765	5.90559	6.1267	5.67616	5.80787	6.40644	5.91591	5.99608
AUNIP	4.56308	5.01191	5.03265	5.62011	6.08913	4.94153	5.83723	5.56771	4.88037
STMN1	5.85799	6.08511	6.1182	6.99919	6.45053	5.8766	6.23258	6.12309	5.7727
UBXN11	5.8302	5.75155	5.82114	5.54637	5.70849	6.17816	5.83669	5.88679	6.24763
AIM1L	7.05921	6.9244	6.46799	7.57032	6.78414	8.71913	7.63508	8.26136	8.16873
ZNF683	5.78661	5.76259	5.99873	6.06549	6.28075	6.66077	6.3075	6.43753	6.25483
GPN2	6.872	7.32428	7.18696	7.08264	6.28831	7.11153	7.52316	7.01043	7.30427
GPATCH3	6.30185	6.2887	6.38517	6.71475	6.6394	6.79565	7.20239	6.82263	6.91246
KDF1	7.28615	7.5475	7.17718	7.51438	6.49431	7.61151	7.90053	7.28118	7.81806
MAP3K6	8.83104	8.39196	8.75175	8.48978	6.27743	7.79943	8.88993	7.97195	8.79762
FCN3	6.49335	6.59744	6.64642	7.21175	7.67009	7.49113	7.08475	7.17688	7.20877
CD164L2	7.77611	7.69514	7.72274	8.05833	7.40104	7.68738	7.77351	8.0984	7.7589

FGR	5.85248	6.18349	6.14117	6.48701	6.15222	6.45337	5.97003	6.36055	6.27237
EYA3	9.34886	9.22436	9.24505	8.52335	7.19536	8.37583	8.64612	8.84775	9.35121
ptafr	7.43887	7.46381	7.28515	7.2287	6.94827	7.64469	7.87479	7.86985	8.10942
TMEM200B	6.38718	6.24443	6.62854	6.79693	6.96257	6.53936	6.61737	6.77599	6.55442
SRSF4	8.59424	8.87026	8.50578	8.41228	6.51027	8.36651	8.34422	8.40898	8.45248
MECR	6.09757	6.43604	6.52736	6.06589	5.35126	5.53976	6.41632	5.48596	5.73138
LAPTM5	8.43044	7.51179	9.39523	8.15327	7.17517	7.95218	8.15468	8.34689	8.57817
MIR4420	4.30697	4.61236	4.17728	4.83824	5.2955	4.72837	4.81738	5.27575	4.7563
SDC3	6.67303	6.07333	6.61946	6.52344	6.58864	6.36459	6.79858	6.12827	6.77236
PUM1	9.56662	9.45917	9.24382	8.53834	6.73582	8.73769	8.62441	8.96079	9.00845
NKAIN1	5.83475	6.16798	5.95308	6.24944	6.65807	7.16357	5.91986	6.22124	6.0748
SNRNP40	8.14681	7.91218	8.11763	7.99076	6.82058	7.18087	8.442	6.93146	7.10846
PEF1	7.98596	7.46838	7.73723	7.37488	6.46078	7.54076	7.73444	6.82712	7.49327
ADGRB2	5.92352	5.87408	6.0074	6.46133	6.66214	6.32599	6.21536	6.76041	6.44364
MIR4254	6.00489	6.02839	6.34247	6.53776	7.05775	7.01099	6.26079	6.59271	6.99239
SPOCD1	5.05944	5.22901	5.01264	6.04459	5.66766	6.60182	5.74527	6.32851	5.94036
TMEM234	7.25518	7.33745	7.1711	6.97779	6.66266	6.76806	6.87618	7.04391	7.34384
MARCKSL1	6.53749	6.18735	6.11635	7.36567	6.08486	8.38349	7.31823	8.30552	7.68732
FAM229A	7.73403	7.6563	7.7573	7.68197	7.60047	8.20114	7.67621	7.6587	7.64245
BSDC1	7.95535	7.79716	7.87565	7.57355	6.25566	7.64948	7.77687	7.86945	7.87349
ZBTB8OS	6.57283	6.80883	6.65144	6.43089	5.55737	6.24206	6.74919	6.40225	6.59583
YARS	8.09128	7.76168	7.83899	8.30027	6.51	8.08277	8.38643	7.87065	8.23077
FNDC5	6.49144	6.57234	6.67767	7.03439	7.48727	7.4456	6.98687	6.696	7.10771
TMEM54	8.51973	8.63894	8.3797	10.4218	10.1399	10.6583	10.8574	9.88866	10.2194
RNF19B	8.52997	8.31477	8.52451	9.13325	6.89474	10.4401	9.81821	10.4797	9.56521
TRIM62	8.32806	7.89519	8.16598	8.00882	6.34872	7.93034	8.09599	6.8842	7.66664

PHC2	6.69797	6.98432	6.95189	7.18757	6.17035	6.92919	7.1653	7.38095	6.99565
CSMD2	6.032	6.0224	5.97342	6.26604	6.93249	6.33723	6.06578	6.43035	6.25772
MIR552	4.64677	4.52413	4.74956	4.64506	5.43767	4.44982	4.26736	5.23761	4.55924
LOC653160	6.52896	6.97312	6.83948	6.22687	5.93952	6.3006	6.13969	5.77746	6.21471
SFPQ	9.58021	9.61994	9.50775	8.24816	6.35544	7.14654	7.8024	7.83086	8.14642
KIAA0319L	8.3868	8.53955	8.24817	7.92672	6.91746	7.65315	7.93449	7.71708	7.76177
TRAPPC3	8.47412	8.38286	8.43733	8.51805	8.06848	8.5786	8.8343	8.7289	9.03222
STK40	8.25949	7.809	8.15887	8.26321	7.51603	9.54191	8.51056	9.40661	9.43521
OSCP1	6.40341	6.53328	6.30768	6.14972	6.21667	6.42096	6.52605	6.18342	6.09274
MRPS15	9.35912	9.00972	9.72515	9.9564	8.377	9.71778	10.4076	9.4325	9.83783
CSF3R	5.39383	5.02243	5.17711	5.71193	5.94529	6.04216	5.64946	5.85759	5.97936
LINC01137	7.43763	7.31629	6.95082	7.46733	5.80981	7.19571	7.70505	7.31824	7.51812
MEAF6	9.30989	9.20104	9.16752	9.09392	7.67777	9.06785	9.38812	8.83146	9.13096
SNIP1	8.58016	8.47711	8.58967	8.71444	8.11525	8.82168	8.54383	8.92778	8.84541
GNL2	8.68164	8.76996	8.63697	8.14126	7.15559	7.924	8.88794	8.24832	8.40201
RSPO1	7.37651	6.98134	7.72073	6.70787	7.51744	7.25945	6.92759	6.85386	6.56541
EPHA10	4.67562	4.82807	4.89572	5.1364	5.53316	5.2891	5.29302	5.21538	5.33991
YRDC	8.09417	7.79409	7.89443	8.72073	6.93354	8.01576	8.5933	7.90125	7.96044
MTF1	9.23313	9.33945	9.20584	9.60218	7.72954	9.1629	9.4278	9.6098	9.64227
FHL3	7.73683	7.4014	7.64882	8.06732	6.12429	7.33667	8.71866	7.43929	7.18118
POU3F1	9.56816	8.41398	8.7624	8.9486	7.09908	7.98113	9.21017	7.75374	7.69847
RRAGC	8.49325	7.85159	8.15613	8.42666	6.50425	9.03012	8.90378	9.54231	9.08309
PPIEL	7.00621	6.46334	6.72191	5.31739	6.13859	5.68658	5.28943	5.63282	5.27679
HEYL	6.45628	6.05438	6.3435	6.8756	6.25687	7.29143	6.88577	6.68918	6.59639
HPCAL4	5.53319	5.39631	5.62961	5.83942	5.76786	5.55819	5.87055	5.88639	5.76098
BMP8B	5.18818	5.15009	4.98282	5.7893	6.03526	5.88453	5.43453	5.71456	5.87363

OXCT2	4.92631	4.70553	4.60325	5.23099	5.08472	5.35963	5.32596	5.5088	5.31496
TRIT1	7.9815	8.58505	8.00378	7.48707	6.32919	6.63284	7.57922	7.18446	6.52382
PPT1	9.37056	8.693	9.64264	7.96561	6.56815	6.21248	8.24524	7.59561	7.67953
RIMS3	7.26735	7.15984	7.27554	8.48891	7.63314	10.0585	9.24017	9.67171	9.33038
NFYC-AS1	5.90025	6.196	6.40513	5.49399	5.67116	5.29758	4.84944	5.5533	5.26466
SLFNL1	5.71439	5.6929	6.00076	5.8717	6.30921	6.53357	5.7408	6.25816	6.32355
SCMH1	8.16086	8.35713	8.24819	7.61091	6.70134	6.59117	7.60063	6.86466	7.12989
EDN2	6.56324	6.24611	6.46344	7.36807	7.21278	7.65087	6.87992	7.89575	7.04998
HIVEP3	6.43925	6.33042	6.66646	6.43105	5.68509	5.88484	6.42958	6.11173	6.35518
GUCA2A	6.33126	6.4966	6.32784	7.31398	7.50693	7.43562	6.7982	6.81386	6.88299
FOXJ3	9.59761	9.66561	9.70755	8.38768	7.30304	9.09765	8.2084	9.25897	9.05796
CLDN19	6.61942	6.43641	6.52842	7.35992	7.69096	7.97502	7.43103	7.15375	7.39541
P3H1	7.21791	6.72158	7.01501	7.51817	6.57416	6.42023	7.00764	6.87549	6.88933
SVBP	7.31901	7.26216	8.32245	7.63885	6.90911	7.70902	8.31981	7.67367	8.3257
EBNA1BP2	7.96612	8	7.98838	8.47474	6.44241	8.4258	8.89976	7.9864	8.2697
C1orf210	7.34194	7.17331	7.45472	7.82786	6.88028	8.23257	8.17161	8.0538	7.99306
ELOVL1	9.62744	9.16458	9.03042	10.0164	10.5594	10.6176	10.2321	10.826	10.9388
MED8	8.64455	8.65659	8.42022	8.74086	8.50329	9.76611	9.40484	9.26151	9.40709
KDM4A-AS1	5.37568	5.16072	5.27798	6.05048	6.36114	5.67086	5.69773	5.69773	5.3173
ERIS	6.91721	7.13406	6.84406	6.43619	5.61948	6.36672	6.71946	6.04575	6.38517
TMEM53	7.84641	7.67904	7.75952	7.744	8.01557	7.45861	8.11478	7.50108	7.90636
BEST4	5.48376	5.56578	5.71211	5.96713	5.81616	5.95889	5.68855	6.06134	5.78603
TCTEX1D4	5.99173	6.00183	6.18147	6.55611	6.33908	6.80379	5.95161	6.78299	6.61407
PTCH2	5.95942	5.74472	5.81347	5.94707	6.45622	6.02781	5.80339	6.11403	5.95103
HECTD3	8.64991	8.47507	8.48132	7.88908	6.09591	7.47497	8.2242	7.44871	7.9276
MUTYH	6.59636	6.62617	6.77318	6.90422	7.09468	7.27625	6.75251	7.0225	6.89781

TESK2	8.4516	7.75979	7.54879	6.70537	6.08027	7.71905	6.96871	7.11195	5.76589
PRDX1	11.1847	10.8037	11.0939	11.4224	8.81914	10.9615	11.5919	11.1901	11.6954
ccdc17	7.17428	6.17805	6.62084	6.35104	6.1941	6.00191	5.84749	6.35104	6.6454
GPBP1L1	10.3403	10.5184	10.4178	9.52222	8.70574	9.9985	9.74401	9.89035	10.2065
RPS15AP10	7.34882	6.76377	6.68113	6.28053	4.70167	4.70377	5.90219	6.7403	7.06424
IPP	7.26157	7.20846	6.87253	6.68284	5.31628	6.7104	6.89861	6.20296	6.60712
LRRC41	8.78445	8.59016	8.63134	8.89943	8.08225	8.36694	9.23512	8.08129	8.61163
KNCN	5.43756	5.30342	5.47972	5.45539	5.98194	6.25409	5.59511	5.86484	5.94061
MKNK1	7.27152	7.35655	7.46675	7.18589	5.80143	6.79685	7.33238	7.25929	7.69349
MOB3C	6.52627	6.58747	6.70761	6.60718	6.39465	6.59923	6.84369	6.40532	6.96063
ATPAF1	7.25275	7.66419	7.67059	7.09243	6.23507	6.80915	7.17336	6.45751	6.50047
EFCAB14	10.4856	10.2305	10.4901	9.55513	8.4655	9.62065	10.0197	10.0782	9.85317
PDZK1IP1	9.00412	8.77858	8.97445	9.79714	10.3464	10.3264	10.5357	10.0202	9.94164
TAL1	5.16721	4.74807	4.92517	5.4281	5.96104	5.38393	5.30353	5.56675	5.38821
STIL	6.8187	6.51961	6.64139	6.10768	5.22922	5.68213	6.58102	6.21441	6.35669
FOXD2-AS1	6.20865	6.46676	6.44422	6.03882	6.86637	6.07121	6.32392	6.44582	6.30516
SPATA6	7.69175	7.89964	7.92483	5.73987	5.51569	5.60986	6.10333	5.59581	5.63203
AGBL4	5.36018	5.41228	5.33979	5.91877	6.39534	5.92544	5.64698	5.50805	5.6099
BEND5	4.91384	5.10009	4.88842	4.75859	5.64419	4.30864	4.70553	4.47982	4.75712
DMRTA2	4.89919	5.03976	5.14419	5.77555	4.87391	6.06284	5.23248	5.43679	5.44949
FAF1	9.0845	8.87598	9.09229	8.11096	7.92176	7.97988	8.26244	8.11216	8.10046
TTC39A	7.50873	6.4328	6.86066	7.60894	7.06071	8.82437	7.67374	8.07208	8.26051
EPS15	9.73835	9.52563	10.0727	8.4991	6.05272	8.87451	8.56208	9.28487	9.26855
NRDC	10.8139	11.1524	10.5276	9.88608	8.3499	9.70545	9.88938	10.2997	10.07
TXNDC12	9.89005	9.05434	10.0042	9.02495	6.86314	8.35243	9.4411	8.59719	8.93945
CC2D1B	7.02246	7.08203	6.94979	7.19398	6.21336	7.06044	7.44071	6.89152	7.2463

COA7	6.65693	6.40098	6.47047	6.75167	6.45567	6.59692	6.96513	6.4935	6.01649
ECHDC2	8.03475	7.71115	7.24938	6.84565	5.89728	6.82067	7.4782	6.80737	6.74119
GLIS1	6.57978	6.71762	6.6145	7.02169	7.34023	7.19517	7.00334	6.69885	7.0577
NDC1	8.10267	8.19888	8.50551	8.24077	6.16502	7.21896	7.96761	7.16042	7.21417
LDLRAD1	5.73659	5.83525	5.53948	6.85438	7.02971	6.62435	6.34272	6.188	6.54526
TMEM59	10.68	10.404	10.5796	9.88159	9.28461	9.80589	10.1664	9.72212	9.67948
CDCP2	5.11337	5.18193	5.31036	5.51	5.89452	5.77738	6.04593	5.57079	6.15102
CYB5RL	5.93057	5.99478	5.86033	5.87676	6.18855	6.1373	6.32894	5.83061	6.00288
SSBP3	8.09773	7.98861	7.94056	7.96218	7.10366	7.42336	7.7568	7.84095	7.55561
TTC22	8.41645	7.6736	7.80721	8.12147	6.90184	7.75041	8.85624	7.53663	8.83193
DHCR24	12.029	11.7245	11.6455	11.6509	8.574	10.3732	11.462	10.8472	11.3831
USP24	9.13621	9.13022	9.10511	8.2252	5.97655	7.27565	8.3561	7.94958	8.30434
PLPP3	8.41366	8.63533	9.15141	7.78218	6.07134	7.27368	8.14629	7.76412	8.19337
C1orf168	4.27363	4.5076	4.12259	4.68211	5.44823	4.85339	5.23582	5.01275	4.81284
DAB1	4.80337	5.60227	5.4111	5.3797	5.94515	5.4642	5.47549	5.58101	5.47866
OMA1	7.3842	7.45979	7.18672	6.57601	5.15786	6.6518	7.30006	6.05064	6.19573
TACSTD2	11.2086	11.0555	10.7058	11.9926	11.3599	11.8628	11.9623	11.7491	11.6418
JUN	10.4332	8.24325	8.2021	9.78087	7.10803	10.2846	10.1418	9.50176	9.09946
HSD52	5.16606	5.25749	5.08719	5.30515	7.2017	5.50448	5.14991	5.47589	5.46688
MIR4711	4.27032	4.73036	4.35149	5.18361	4.47609	5.31324	4.64507	5.08012	4.71941
C1orf87	4.4452	4.58961	4.45448	4.82098	5.87374	4.60175	4.93908	4.65101	4.6112
TM2D1	7.15912	7.26718	7.25379	6.20688	5.20982	5.42966	6.60193	6.46828	6.44259
KANK4	5.55578	5.53836	5.53755	6.38036	5.83641	6.00828	5.95744	5.75405	6.33319
DOCK7	8.62819	8.6678	8.38462	7.78869	5.58979	7.40321	8.17114	6.94071	7.49395
ITGB3BP	6.2932	6.38347	6.68976	5.91988	5.89834	5.94699	6.23317	5.78569	5.79245
JAK1	10.8167	10.8466	10.7104	10.3878	8.73799	10.411	10.4414	10.938	10.3359

MIR3671	6.85105	6.88141	8.58751	3.29337	4.26	2.36272	3.0249	4.3136	4.85976
MIR101-1	4.57126	4.90413	4.88521	4.79956	4.27538	4.31641	4.78376	4.82335	5.03723
INSL5	4.52537	4.68912	4.21989	4.68675	5.32179	4.69706	4.86217	4.70216	4.31488
WDR78	5.50612	5.50213	5.51472	4.45749	5.51697	4.84715	5.29443	5.08842	4.60155
SERBP1	11.0267	11.387	11.0329	10.7164	8.97056	10.3714	10.6217	10.1428	10.6224
WLS	8.18435	8.073	7.90151	8.05128	6.12333	6.88183	7.38073	7.5281	7.30628
MIR1262	2.79137	2.78924	2.73804	2.56746	1.91759	2.94686	3.35114	2.34874	2.48767
RPE65	4.34337	4.83544	4.29755	4.99845	5.55837	4.6309	5.10722	5.01786	4.92269
LRRC40	8.27844	7.81536	8.32912	7.49333	4.62118	6.76701	7.81414	7.01629	7.11459
ANKRD13C	9.6887	9.94167	9.39306	8.69671	6.29166	8.35678	8.59964	8.83192	9.04193
ptger3	7.24775	7.30709	6.78277	6.07411	5.19087	5.02501	5.34751	4.425	4.76369
NEGR1	7.68396	7.50103	7.97661	5.65599	6.30267	6.33384	6.05022	6.35193	6.11536
NEGR1-IT1	4.32679	4.34848	4.05827	3.49261	5.46172	3.93215	3.67423	3.91611	3.55651
LRRIQ3	2.42399	2.52672	2.21238	2.58494	3.28975	2.89131	2.6984	2.77514	2.56678
ERICH3	4.1261	4.21159	4.46353	5.00907	5.6862	5.00121	4.82389	4.76092	4.42104
ASB17	3.29445	3.22284	2.96712	3.46589	3.47237	3.31	3.23087	3.2456	3.50709
USP33	7.662	7.70676	7.63	6.18844	4.5066	5.63207	7.19194	6.70659	5.99018
FUBP1	8.9819	9.14839	9.17137	8.05223	5.5077	6.71185	8.13799	7.69479	7.99927
LINC01555	5.28667	4.83216	5.07237	5.19646	5.75632	5.17686	5.21275	5.19024	5.36586
LPAR3	7.55297	7.61777	7.58642	8.26496	7.43906	9.44518	8.94759	9.35452	9.37289
MCOLN2	6.37579	5.8825	6.65434	5.99801	6.41468	5.86191	5.39368	5.27014	5.63347
MCOLN3	7.62888	6.66386	7.05545	5.77779	5.46042	5.02974	5.84155	5.6484	5.41513
C1orf52	8.5542	8.51005	8.56113	7.64101	6.12162	7.23908	7.88117	8.1425	7.51081
BCL10	8.21385	7.94258	8.1599	8.60433	8.14427	9.42609	9.06873	9.2045	8.77468
DDAH1	7.24868	6.88327	7.02529	6.71189	6.74332	6.1738	6.19263	6.41798	6.6858
ODF2L	7.92276	7.92119	7.80974	6.77116	4.94055	6.38895	6.99331	7.60801	7.48979

SELENOF	11.7606	11.3334	11.9584	10.9155	8.92879	10.4752	11.1802	10.5482	11.2927
LINC01364	4.02417	4.06459	3.76143	4.65452	5.75836	4.04704	4.2382	4.12912	4.15001
GTF2B	8.04824	7.84842	7.91681	8.27252	7.09011	7.92656	8.23365	8.19521	7.97278
GBP3	7.15511	7.8602	6.84802	6.51788	5.79539	6.33366	7.08266	6.37686	6.74277
GBP4	7.44489	6.23993	6.80171	5.54822	5.18968	5.71009	5.94228	5.60037	5.77707
GBP5	5.29806	4.84486	5.25685	4.79613	5.40019	5.16961	5.42411	5.19407	5.18883
GEMIN8P4	5.26825	5.16009	5.18774	5.37702	5.67154	5.76651	5.62524	5.91033	5.97942
barhl2	6.00656	6.15701	6.06067	6.35132	7.03557	6.61192	6.16558	6.19839	6.69307
ZNF644	9.21084	9.1798	9.15733	8.61289	5.45885	7.41466	8.25987	8.34985	8.53256
GFI1	5.0554	5.04289	5.18016	5.69722	5.52485	5.53861	5.41124	5.49142	5.63025
EVI5	8.46502	8.21308	8.37815	7.28638	6.05592	7.39199	8.24078	7.64729	8.19323
TMED5	7.79829	7.66496	7.90795	8.15949	5.64541	8.35784	7.94762	7.51976	8.42136
CCDC18-AS1	7.05464	7.2634	6.86912	5.45251	5.85883	5.36289	5.38911	5.72557	5.38946
BCAR3	6.52463	7.10757	6.91122	7.36359	6.90345	7.10256	6.84061	7.56517	7.07431
ARHGAP29	8.71568	8.69005	8.48055	6.90552	5.18727	4.95593	6.02727	6.55994	6.28708
ALG14	7.65788	7.56733	7.96139	8.16298	7.57097	7.60579	8.15776	7.2604	7.84826
DPYD	7.83063	7.51088	7.9434	6.09728	5.12358	5.85524	7.02799	6.67309	6.65354
MIR137HG	4.10267	4.50355	4.24596	5.02211	5.23889	5.05451	5.12673	4.49341	4.73349
MIR2682	4.90081	5.00712	4.74668	5.20308	4.41483	5.2914	5.29422	5.12197	5.13066
PLPPR5	4.12433	4.2034	4.04416	5.08867	4.94077	4.603	4.65399	4.35017	5.11079
FRRS1	9.26688	9.06686	9.11573	8.63026	6.80571	8.92837	8.90372	8.56784	8.84145
SASS6	7.73811	7.40574	7.50889	6.85461	4.79889	5.93504	6.98645	6.31095	6.068
LRRC39	6.10224	6.55251	6.74042	4.16962	4.17454	3.49981	4.86808	4.26969	4.0147
DBT	8.17186	7.92013	8.00159	6.50423	4.65641	5.50491	7.11968	5.98544	6.19234
LINC01349	4.43219	4.42626	4.4046	4.75034	5.57137	5.28054	4.71805	4.31766	5.11437
EXTL2	6.35338	6.07958	6.8572	5.76624	5.01462	4.85605	5.63325	5.53902	5.24521

DPH5	6.28004	6.79395	6.39372	6.01582	5.27144	6.06541	5.69317	4.89617	5.77214
OLFM3	5.02413	4.97994	5.09828	5.2328	6.4679	5.05124	4.76318	5.60711	5.45635
VAV3	8.02358	8.24138	7.74896	5.75943	5.60478	5.8143	6.7685	6.50992	5.96919
HENMT1	5.39276	5.17777	5.27078	5.58016	5.29894	5.37533	5.12115	4.84094	4.77984
aknad1	4.38147	4.4892	4.63437	4.73155	5.54908	4.82042	5.04397	4.43524	4.27717
CLCC1	8.43272	8.41906	8.16241	7.25455	5.53181	6.76571	7.71543	6.84848	7.40857
WDR47	9.39743	9.60967	9.41036	9.02426	6.93484	8.30547	8.86618	8.98732	9.29363
c1orf194	4.46327	4.51966	4.54605	5.13458	5.58069	5.39265	4.60326	5.26528	5.07285
PSRC1	5.96084	5.80619	6.12675	6.15002	6.31656	6.391	5.99324	6.43878	6.11945
MYBPHL	5.45197	5.59512	5.1728	6.45018	5.95186	5.83782	5.92727	5.94273	5.98503
SORT1	11.083	10.795	10.8964	10.8545	10.5644	11.2346	11.1752	11.2896	11.3031
AMIGO1	6.26577	6.36565	6.0612	6.59607	6.90881	6.21249	6.2498	5.76157	6.17108
GSTM3	7.90386	8.33969	7.47944	6.61218	7.04209	7.53018	8.22939	7.99429	7.00155
EPS8L3	4.80829	5.1367	5.20528	5.50708	5.94298	5.81535	5.57812	5.6163	5.609
ALX3	5.7046	5.67406	5.53278	6.35024	5.80193	6.04547	5.86936	6.06817	5.83243
LOC440600	4.59389	4.71164	4.85513	5.18425	5.71517	5.87844	4.71659	5.39638	5.23638
LAMTOR5	6.91079	7.07524	7.00858	7.35013	6.67673	7.86135	7.70456	7.5084	7.13256
DRAM2	8.83514	8.36108	8.87102	7.99987	7.55654	7.75512	8.28307	8.19808	8.05065
DENND2D	8.29196	8.0822	7.21721	8.35967	7.07059	7.7905	8.02824	7.49498	8.40219
PGCP1	5.66713	5.94636	5.42164	6.19666	6.09338	6.1076	5.81813	5.94478	5.71993
WDR77	7.62671	7.81962	7.46948	8.21941	7.09253	7.2948	8.39059	7.40694	7.79967
Tmigd3	5.04871	4.9522	5.86767	4.9711	6.91487	5.49846	5.60837	5.71451	5.57031
LINC01160	4.54485	4.64496	4.73839	4.65468	4.6938	4.16507	3.80771	4.64286	5.20601
MIR4256	5.06535	4.9154	5.32253	5.88845	5.51259	5.30286	6.08715	5.15618	5.70636
ST7L	7.24151	7.30161	7.36636	6.26381	6.07046	6.36083	6.41174	5.64401	6.05435
RHOC	6.48271	6.41198	6.52666	7.10251	6.42692	7.04056	7.2737	7.18464	7.13578

LOC643441	6.01144	5.91476	6.36703	6.90739	7.34762	6.41276	6.28543	6.62126	6.7368
PHTF1	5.80235	5.7805	5.78019	5.71713	5.80611	5.27493	5.86435	5.45713	5.60309
RSBN1	8.01269	8.28105	8.2899	7.64869	6.43268	7.84832	7.36883	7.38304	7.26619
BCL2L15	4.28705	4.27261	4.51427	4.06347	4.83662	4.26946	4.17728	4.22629	4.29099
SYT6	5.64108	5.72867	5.60246	6.17934	6.30613	6.09812	5.66779	6.24792	6.17206
TRIM33	10.4089	10.3259	10.5172	9.20665	8.94432	9.61082	9.51864	10.564	10.0358
BCAS2	9.19844	9.02083	9.14339	9.13687	7.38218	8.34951	9.01747	9.21467	9.12496
DENND2C	9.49143	9.90302	9.26452	9.50622	8.47594	10.4568	9.44769	10.5614	10.1537
AMPD1	3.81627	3.94845	4.18654	4.40412	5.96775	5.22274	4.52871	4.13779	4.03692
NRAS	10.1074	10.2777	10.3497	10.3857	8.12419	10.6364	10.4398	10.0475	10.9741
SIKE1	8.12441	7.90997	7.76451	7.47172	6.10195	7.24181	7.60072	7.6634	6.9998
TSPAN2	7.61011	5.67212	7.02909	5.52076	5.54729	5.4473	5.93057	5.48735	5.74543
NGF	5.39053	5.59914	5.5589	6.74248	6.29143	6.32507	7.59638	6.85783	6.42981
CASQ2	5.96632	6.3601	7.24714	5.3021	5.35202	4.072	5.03124	4.80754	4.61311
NHLH2	4.79936	4.92061	4.70486	5.4289	5.80229	5.4901	5.88188	5.02645	5.20844
ATP1A1-AS1	6.47947	6.91416	6.75109	6.89615	6.67009	6.59415	6.69153	6.56927	6.65341
CD58	7.4291	7.53156	7.42674	7.20322	5.96499	6.99683	7.77479	6.87691	7.48617
TRIM45	6.3897	6.49416	6.33401	7.19098	6.97392	7.88497	6.99033	6.92839	7.56125
VTCN1	6.55794	6.96601	6.65318	6.14894	6.51409	6.06963	5.89416	5.95749	5.83428
SPAG17	5.59438	5.3073	5.37337	6.33114	7.5717	6.75437	6.83181	6.59337	7.03896
TBX15	7.77124	7.35585	7.7301	6.62367	7.00436	6.54415	6.65763	6.72756	6.68124
LINC00622	6.61921	7.21063	6.05498	4.95067	7.46074	4.86836	4.55413	5.87776	5.55506
ZNF697	6.20891	5.92514	6.15464	6.28491	6.04227	6.50239	6.44012	6.55689	6.21514
HMGCS2	6.34657	7.07405	7.43986	5.81892	6.00162	5.7932	5.81813	5.71009	5.47026
ADAM30	3.93749	4.08732	3.79549	4.39409	4.92449	4.5928	4.00924	4.42193	4.78293
NOTCH2	10.9998	11.2081	11.0235	10.3192	9.07584	10.3915	10.4598	11.6337	11.1439

Ppial4g	4.34571	4.50359	4.93056	4.83488	7.02996	5.15403	5.02275	5.23574	5.50614
LINC00623	7.41582	7.19669	7.26249	6.35083	7.77876	6.51073	6.47051	6.22216	6.40653
PFN1P2	4.24959	4.66531	4.06469	3.68397	4.15717	4.09718	3.87772	3.34087	3.53433
LOC653513	5.12637	5.37207	5.73287	6.0516	6.325	6.09948	5.42067	6.07494	6.49926
PDE4DIP	6.5839	7.03531	6.93078	6.04442	7.24412	5.85175	5.76926	5.94888	6.15217
NUDT4P1	6.65607	7.18916	7.23304	6.33798	4.91887	5.43708	7.13991	6.33759	5.8783
POLR3GL	5.53542	5.88957	5.81748	5.67767	5.24092	5.60573	5.58353	5.41793	5.28654
gnrhr2	6.07046	5.87874	6.27883	6.37685	6.90178	6.22829	6.56406	5.5519	5.89979
NUDT17	6.15369	6.14259	6.07024	6.5824	6.34125	6.66895	6.51708	6.05841	6.25512
POLR3C	8.49916	8.47047	8.76349	7.51223	5.65429	6.52649	8.02776	6.94053	7.69387
CD160	5.15068	5.02276	4.95719	5.04151	5.69778	4.70487	5.15072	4.63766	5.14811
PDZK1P1	5.45806	5.23919	5.41223	5.46602	6.81256	5.6517	4.83353	5.61045	5.62994
LOC728989	5.97464	6.03176	6.11997	6.22467	7.04156	6.26433	5.57224	6.02199	5.47713
FMO5	7.17662	7.9541	7.64651	6.69182	6.73538	5.97219	6.73831	6.30441	6.27598
LINC00624	4.06031	4.6849	4.29121	4.16435	5.48516	3.96958	4.10997	3.89408	4.39046
LOC388692	4.06134	5.52507	3.64761	4.40846	8.78219	4.27924	4.38015	3.95809	3.92632
SV2A	5.34688	5.62402	5.45446	5.9103	6.15755	6.05146	5.73016	5.89126	5.49644
MTMR11	8.23109	7.88779	7.45237	7.40098	7.44215	6.90674	7.15735	6.8083	7.34299
OTUD7B	7.10585	7.06322	7.10945	6.17237	5.98492	6.77543	7.02007	6.7371	6.39264
APH1A	8.06121	8.49904	8.28046	8.92485	7.77872	8.64377	8.90712	7.81799	8.4713
MCL1	9.6517	8.33762	9.17881	9.55248	6.60718	10.2538	9.33088	9.72991	9.67069
ENSA	9.51234	9.19868	9.23404	8.58529	7.06078	8.57695	9.33946	8.32817	8.84789
GOLPH3L	8.62224	7.84694	7.67312	7.10489	5.2531	7.5663	7.1884	7.11721	7.04796
HORMAD1	9.30482	4.90014	5.21396	6.88932	6.26909	4.73041	8.60188	4.76458	8.43383
CTSS	7.39546	6.61984	7.85059	6.82117	5.28232	6.64952	7.25505	6.37507	6.77059
CTSK	10.8783	10.5335	11.647	10.1609	7.08674	8.10447	9.25356	8.58072	8.62105

ARNT	10.0522	9.97254	10.0107	9.31826	7.7344	9.0681	9.32989	9.507	9.17511
CDC42SE1	9.12937	8.84254	8.82296	9.01562	7.22883	8.61638	8.98083	8.72221	9.33611
TMOD4	4.92806	5.16414	5.07202	4.51248	5.46328	4.93433	5.16951	5.00356	5.13582
vps72	7.27826	7.05117	7.1595	6.96301	6.07994	6.84894	7.53733	7.20173	8.07888
SELENBP1	7.14673	7.46329	7.26147	6.97291	7.29013	6.62528	6.72707	6.61007	6.45655
POGZ	9.00368	9.07729	8.80343	7.66101	6.08162	6.97821	7.61413	7.78528	8.05703
MRPL9	8.91219	8.42648	8.66957	8.64659	6.87988	8.19657	8.97246	8.01226	8.34467
TDRKH	6.29722	6.46344	6.39965	6.35604	6.93749	6.37689	6.34497	7.04254	6.51935
LINGO4	5.44507	5.67576	5.63392	5.70497	6.50443	5.77815	5.27651	5.80832	5.84734
rorc	7.20336	7.64119	6.80391	6.69168	6.22447	6.33373	6.5451	6.08639	6.14036
C2CD4D	6.32371	6.73455	6.2684	6.37624	6.21194	6.72774	6.33654	6.49596	6.33545
THEM5	10.9531	11.083	10.6576	10.342	7.85047	8.599	10.5689	7.91918	9.78234
THEM4	7.55073	6.61388	7.78446	5.75969	4.98368	5.07037	6.91252	5.69746	5.43269
S100A10	9.33903	7.96744	8.78755	9.09142	7.89284	8.98205	9.15103	9.00561	9.48126
S100A11	8.32751	8.00701	8.22936	9.07298	8.55997	9.04852	8.72058	9.04147	9.23875
TCHHL1	5.39654	5.64087	5.66862	5.60191	6.20253	5.53938	6.03119	5.94951	5.79302
TCHH	5.22961	4.55154	4.13737	4.97907	4.65909	5.27069	5.01801	4.86153	4.76985
RPTN	9.06725	9.43518	9.96574	9.00461	7.98729	7.52689	7.64691	6.66849	7.56234
HRNR	11.3833	12.5797	7.98611	11.9378	5.42687	8.54466	8.77257	5.54808	5.65632
FLG	13.5537	13.6676	13.4288	13.2054	9.5891	11.4447	10.2836	8.33169	8.52216
FLG2	12.6323	12.6614	12.1878	11.6766	5.43262	8.14686	8.35089	4.32995	5.44433
CRNN	6.59178	6.60717	7.09008	7.10551	6.92425	6.31333	6.10341	6.5279	6.47054
LCE3E	10.84	10.6286	10.4212	12.5581	13.3218	12.9455	12.6456	13.1615	12.8798
Lce3d	13.1929	13.1818	13.131	13.7957	14.0264	13.8771	13.8037	13.9403	13.8151
LCE3A	7.20242	7.48856	8.6079	11.8145	13.3185	11.3889	12.5577	13.0988	9.06381
LCE1C	11.8191	11.6895	11.3073	12.043	7.03023	6.63807	9.001	5.62017	7.25239

SPRR2D	4.94899	3.70998	4.12139	4.60343	6.6557	5.46607	5.63333	6.09813	5.95898
SPRR2A	7.38789	7.33651	7.34867	9.02106	9.65432	8.70219	8.45361	7.94788	8.02905
Sprr2b	5.44128	4.91901	8.29859	10.545	12.3616	11.3256	12.5036	11.1089	9.98549
SPRR2C	5.67067	6.38312	5.43606	8.62642	8.31698	10.2302	9.36411	8.67708	9.65226
SPRR2E	4.15755	4.47867	5.7163	4.2594	6.46695	6.54692	5.91293	6.26119	5.47289
SPRR2F	6.00242	6.06682	6.18489	9.34382	11.5616	11.905	12.5436	10.8349	8.93123
SPRR2G	10.7055	12.6876	12.5919	12.3388	13.2342	12.6057	12.9211	13.2568	12.6038
PGLYRP3	9.88678	9.64723	9.64757	9.71817	9.42771	10.7103	9.9308	9.86392	10.0885
PGLYRP4	8.25925	8.33976	7.23422	8.83081	10.4465	10.2287	10.234	11.3102	10.8764
S100A12	5.11841	5.45199	5.31233	11.0398	12.2256	11.9693	12.0601	12.1893	12.1008
S100A8	10.8943	9.09021	11.4531	12.9465	13.0133	12.908	12.8993	13.014	12.9657
S100A7L2	4.06601	4.21424	3.66474	4.83796	4.42874	4.69549	4.83528	4.42702	4.20547
S100A7	12.2864	11.9671	12.7162	13.3522	13.4737	13.5357	13.5958	13.7278	13.6856
S100A6	5.88671	6.63769	6.27946	7.11566	5.51262	7.39922	7.47825	7.2869	7.32056
S100A5	4.13064	4.63327	3.97934	5.01054	5.13265	5.3814	4.66728	4.53185	4.60799
S100A4	5.4767	5.97725	6.14172	6.42635	6.30853	6.20214	6.45299	6.44825	6.56054
S100A3	6.38914	6.35749	6.60069	7.61165	6.36495	6.93057	7.48915	7.16255	7.27673
S100A2	7.43282	7.30073	7.49945	9.08281	7.80338	9.44008	8.58797	8.58862	8.65155
S100A16	9.07986	8.96557	9.11443	9.98853	9.36225	10.0863	9.86069	9.74868	10.0157
S100A14	10.5305	10.5054	10.1506	11.6539	11.0159	12.2184	11.7859	11.8587	11.8085
S100A13	6.10432	6.34512	6.87339	6.65209	5.58536	6.77898	6.66322	6.15812	6.64327
GATAD2B	10.1463	10.0059	10.2078	9.11473	7.58148	8.48865	9.27571	9.23423	9.10518
DENND4B	7.14872	6.94624	7.11671	7.07701	6.49408	6.77745	6.97102	6.76177	6.79005
CRTC2	8.12287	8.11017	8.25697	7.84648	7.03115	8.12089	7.89065	8.20109	8.21441
JTB	8.10421	7.92966	8.14384	7.88205	6.85898	7.85039	8.41417	7.51106	7.77502
NUP210L	5.0993	5.33252	5.37214	5.36302	5.83915	5.59998	5.15577	5.34392	5.40142

TPM3	7.02237	6.09822	6.13626	4.82371	5.83455	5.64983	4.32585	6.52795	6.24902
mir190b	2.34515	2.45336	2.38507	2.59391	3.16926	2.42721	1.97867	2.19007	2.36387
c1orf43	10.6633	10.6153	10.766	10.7883	10.4388	10.541	10.9821	10.2174	10.6467
SHE	6.75404	6.19248	6.94857	6.74208	6.69842	6.60841	6.41383	6.6711	6.38489
UBE2Q1	9.09653	9.12453	9.08177	8.71296	8.82361	8.79762	9.00723	9.02988	8.56697
pmvk	7.08105	7.10419	6.89971	8.07747	6.21801	8.27052	8.61591	7.12529	7.77854
PBXIP1	6.19356	6.16142	5.80926	6.01188	5.89657	5.60515	5.92973	5.92008	5.53604
PYGO2	7.76994	7.50325	7.46051	7.25067	6.29746	6.83567	7.72949	7.45897	7.38633
SHC1	9.78397	9.41345	9.72588	10.3579	9.54008	10.5935	10.8319	10.4523	10.7797
DCST2	6.48137	6.36126	6.32224	6.37156	6.28816	6.4239	6.20191	6.17514	6.23918
LOC100505666	6.89708	6.80249	7.23332	6.23344	6.43198	5.99007	6.06503	6.26789	6.26144
DPM3	6.99319	6.77789	7.1831	7.87961	8.1115	7.68335	7.05826	7.31752	7.4404
KRTCAP2	7.13166	7.14133	7.56755	7.90344	7.41308	7.15833	7.73361	7.13874	7.38747
THBS3	7.46739	7.21927	7.42487	6.34079	6.01656	6.25008	6.81053	6.11189	6.31513
SCAMP3	7.96756	7.58183	8.00858	7.96939	7.35139	7.46022	8.55326	8.10835	8.06975
CLK2	7.92328	7.71218	8.05841	7.11031	6.75115	7.27277	7.11062	7.39173	7.35354
RUSC1-AS1	6.04516	6.00638	6.0634	6.60191	6.47129	6.5888	6.43586	6.02703	6.33461
YY1AP1	8.0128	7.7363	7.90691	6.82989	5.75873	6.62589	6.88096	7.25609	6.89346
GON4L	7.59838	7.82026	7.68056	6.31785	5.7953	6.67053	6.84964	6.81936	6.80524
RIT1	8.15009	7.44242	7.53914	7.91509	6.54177	9.22649	8.40134	9.18482	8.56868
KIAA0907	8.64173	8.89769	8.43176	7.88253	7.14179	6.73899	7.19264	8.97407	8.97635
SCARNA4	10.6429	10.9518	10.7669	8.63046	10.002	10.5658	9.07623	9.52439	9.05018
ARHGEF2	7.19216	6.78793	7.23791	7.3482	6.71614	7.84001	7.23369	7.62883	7.77531
UBQLN4	7.58986	7.28103	7.04597	7.40956	6.09353	7.08323	7.94524	6.73154	7.79475
PAQR6	7.35254	7.42193	7.45469	7.33154	7.45537	7.46847	7.53258	7.58151	7.76831
GLMP	7.69519	7.3119	7.7212	7.87017	7.39121	7.55581	7.95407	8.61725	7.81127

VHLL	4.53792	4.48058	4.62731	5.34231	4.87537	5.54119	5.32547	5.08947	5.55703
C1orf61	5.32024	5.3155	5.37719	5.96338	6.51238	5.90881	5.81849	5.59785	6.12099
mir9-1	5.43006	5.33071	5.25134	4.8901	6.56768	5.42118	4.72776	5.37403	5.25342
MEF2D	9.17574	8.64325	9.32346	9.17645	8.60556	9.27849	9.15863	9.89864	9.20094
IQGAP3	6.42243	5.7645	5.87473	6.66987	6.01138	6.29895	6.16558	6.23326	6.24627
GPATCH4	6.73368	6.85215	6.91187	6.87732	6.38054	6.75734	7.17576	6.39609	6.89293
NES	6.82503	6.57503	6.83879	7.03294	6.8257	6.84951	6.88274	7.12272	6.83604
CRABP2	9.00272	8.78224	8.25912	10.3855	8.82668	10.062	10.5873	8.34766	9.38602
ISG20L2	9.17777	9.19729	9.07924	9.29842	7.35813	7.5877	9.46936	8.45339	8.98014
MRPL24	7.52096	7.35984	7.43626	7.88396	6.31875	7.40243	8.3526	6.90571	7.30366
HDGF	7.22627	6.92413	7.09915	7.31538	7.06795	7.04932	7.60221	6.53812	7.09566
SH2D2A	5.19714	5.4103	5.50119	6.23885	6.29977	6.47591	6.84551	6.13809	6.58455
INSRR	5.96631	5.58456	5.82717	6.11668	6.41285	6.626	6.01784	6.52033	6.24027
ARHGEF11	7.66276	7.6209	7.79684	7.16007	6.32463	7.42469	7.55923	6.90402	7.21529
MIR765	6.02264	6.0433	5.77809	5.44398	5.97183	4.77681	5.19751	5.56748	5.47188
ETV3L	4.31332	4.98566	4.59949	5.37666	5.75698	5.60515	5.02574	5.58223	5.54206
ETV3	8.60958	8.74248	8.50258	7.93964	6.3032	8.06685	8.07442	7.66135	7.86299
FCRL5	4.02683	3.67854	3.99883	4.65221	5.59609	4.65628	4.77083	4.18371	4.69172
FCRL4	4.68461	4.67804	4.16589	5.16922	6.05315	5.15969	4.75542	4.89589	4.56789
FCRL3	4.73601	4.46064	4.89043	5.07016	5.9536	5.46452	5.2785	4.7999	5.15478
fcr12	4.33163	4.38283	4.68613	4.69113	5.83796	4.63389	4.49137	4.85414	4.39833
FCRL1	5.42816	5.51103	5.6805	6.35795	6.49357	5.89452	5.96055	5.76455	5.64787
CD5L	5.72043	5.67806	5.82123	6.09663	7.38765	6.18063	5.61982	5.87005	6.09916
LOC646268	5.42485	5.54041	5.58462	5.69651	6.32704	5.64989	5.80544	5.86535	5.69336
CD1B	4.13242	4.36653	3.56662	4.42969	6.08189	4.10733	4.0988	4.18118	4.10676
AIM2	4.99141	4.53269	5.07034	4.96439	5.29606	5.07611	5.25893	4.67876	5.03989

VSIG8	6.3321	6.01976	6.30213	6.32739	6.61728	6.47697	7.15357	7.65832	7.35933
CFAP45	5.59421	5.84334	6.20164	6.16491	6.18218	5.99913	6.08467	5.86618	6.4565
TAGLN2	7.6559	7.29043	7.90116	8.44212	7.66661	8.3456	8.24875	7.88358	8.51596
SLAMF9	5.44369	5.85172	5.63491	5.16447	6.01084	9.24239	5.86653	7.20007	6.29746
dcaf8	7.8777	7.85243	7.79568	6.74305	5.16453	5.95756	6.85475	6.53919	6.76722
PEX19	7.45057	7.59111	7.57022	7.42476	6.22229	7.29023	7.29944	7.24161	7.09298
SLAMF6	4.41132	4.57801	5.75258	4.65746	5.30443	4.49921	4.86976	4.13421	4.54606
CD84	5.61031	5.70956	6.9488	5.25907	5.33148	5.67657	5.35302	5.42662	5.63078
SLAMF1	4.97586	4.86528	5.32123	5.23953	5.57595	5.65141	5.06617	5.4985	5.14303
CD48	4.78805	5.26414	5.46457	5.35982	5.4861	5.71374	5.41207	4.6209	5.59561
ITLN1	4.83633	5.22364	5.03346	5.39785	6.08278	5.61389	5.35621	5.50406	5.34936
ITLN2	4.97589	5.07466	5.08884	5.2981	5.62482	5.22089	5.3037	5.3451	5.33317
F11R	10.2445	10.0062	10.0377	10.4645	9.05449	11.147	10.6278	11.4824	10.9877
TSTD1	7.86081	7.45253	7.11154	8.97179	7.86888	8.70658	9.24877	8.72283	8.59244
USF1	7.56936	7.27433	7.44075	7.37604	6.1717	7.43258	7.88035	7.84542	7.66256
ARHGAP30	7.94769	7.72621	7.71122	6.68727	6.19502	6.84441	7.10563	7.34129	7.53527
NECTIN4	9.22953	9.09527	9.04645	9.32146	8.33277	10.5598	9.75263	9.6488	9.87961
PFDN2	8.2176	8.31494	8.14981	10.0716	7.83623	10.619	10.0955	10.1326	9.64157
DEDD	9.19398	8.88894	9.09559	8.87789	7.48986	8.84293	8.87048	8.85494	9.178
APOA2	6.1031	6.06006	6.29329	6.39399	6.95544	6.30535	6.42503	6.3804	6.4754
MPZ	5.09623	5.52931	5.20145	5.56326	5.47363	5.95543	5.05494	5.55583	5.63946
CFAP126	5.11336	5.31166	4.54243	5.82739	6.34018	5.8629	6.33918	5.22165	5.46973
RPL31P11	2.58939	2.44015	2.53764	2.80919	3.47638	2.93354	2.72907	2.62636	2.26384
OLFML2B	7.32555	6.55116	6.83494	7.55598	6.48964	6.27994	6.85538	6.10567	6.44284
C1orf111	6.34332	6.3539	6.34523	6.29319	7.28355	6.08802	6.36563	6.38589	6.28919
SH2D1B	4.55482	4.84321	4.79278	4.81734	5.9434	5.00513	4.9117	5.1634	4.7674

CCDC190	5.60228	5.32328	5.52069	5.90858	6.42567	5.77373	5.51972	5.92759	5.57989
RGS5	7.45998	7.65407	7.57455	5.76854	6.31214	5.26401	5.53998	5.68486	6.25636
LOC100505795	4.54695	4.55783	4.52001	4.72587	5.81834	4.74352	4.67879	4.42317	4.16857
TMCO1	9.47767	9.31929	9.70796	9.13988	7.08778	9.05913	9.71961	9.59251	9.8306
MIR921	4.62894	4.73035	5.36514	5.80952	4.84677	5.70889	4.95192	5.30166	4.41665
TADA1	7.85578	7.71448	7.77976	6.59223	6.13591	5.92616	7.33131	6.46028	6.38648
ILDR2	5.04478	5.06942	5.14817	5.66995	6.28389	5.70382	5.68492	5.38038	5.4583
GPA33	5.32972	5.77115	5.81497	6.06443	6.47586	6.20536	6.0769	6.24505	6.44881
CD247	5.03382	4.68494	5.40392	5.48637	6.3811	6.18382	5.4525	5.85969	5.39675
CREG1	10.2531	9.64522	10.121	9.28439	10.091	9.30786	9.72667	9.94956	9.0901
ADCY10	4.02058	4.26248	4.30159	4.25684	5.21446	4.51629	4.38828	4.33135	4.17556
MPC2	8.71334	8.26673	8.95063	8.52007	6.77632	8.50883	9.06893	7.60533	8.17562
GPR161	6.10711	6.08572	5.76981	6.65995	6.18188	6.61584	6.48365	6.3043	6.35776
ANKRD36BP1	5.90886	5.5778	5.66212	5.89601	3.33744	5.35314	6.86834	5.94123	5.31227
LOC100505918	4.28176	4.6855	4.35395	4.97623	4.94993	4.76418	4.45025	4.58223	4.29218
XCL2	5.45882	5.07532	5.41384	6.11685	7.06372	5.84985	5.339	5.76289	5.73509
DPT	8.91985	7.94632	9.64232	5.95851	6.6216	6.684	8.26876	6.35382	7.50677
NME7	6.03107	5.99727	6.26208	6.0283	5.76035	5.57173	5.99281	6.40213	5.55777
SELL	4.92674	4.92842	5.039	5.2104	5.40141	5.39608	4.72573	5.3001	5.31069
SELE	9.17982	6.77841	6.88343	5.74078	6.62995	6.79095	8.62092	7.11121	8.91177
METTL18	5.72062	6.01509	5.91297	6.09054	4.96401	5.49445	6.17667	5.65615	5.60371
SCYL3	8.58771	8.97672	8.4407	7.45412	6.99118	7.16448	7.97984	7.5635	7.88005
LINC01142	4.81091	4.81895	4.44339	4.41993	5.32391	4.37312	4.56315	4.71217	4.55805
MIR1295A	6.03248	5.35459	5.75729	6.15196	6.12879	6.4532	5.63586	6.12847	6.03882
VAMP4	9.39858	9.07147	9.18768	7.86879	7.1773	8.75051	8.75832	9.3237	9.03853
DNM3OS	7.24781	7.29185	7.09879	6.71812	6.44557	5.96744	6.32948	6.32795	6.66072

LOC100506023	6.71058	6.85527	6.54282	5.79933	7.24522	5.37615	5.48699	6.25769	5.83629
ANKRD45	4.09498	4.09625	4.47234	4.57558	4.63345	4.5707	4.21307	4.9383	4.79039
CENPL	5.7147	6.00318	5.67237	5.43762	5.42991	5.36994	5.88552	5.88025	5.58552
gas5	8.87403	8.91945	9.02461	8.56536	6.10056	7.20655	8.26678	7.89502	8.34743
RC3H1	9.79457	9.87535	9.8482	8.59987	7.76196	8.7367	8.96127	9.84539	9.06361
MRPS14	7.89201	7.66901	7.69436	7.53422	5.73458	6.62482	7.69971	7.17513	7.36824
Scarna3	6.99194	7.36429	6.80885	5.97075	6.38424	6.30089	6.04773	5.97831	5.85998
ASTN1	6.15368	5.92476	6.15276	6.74641	7.17873	6.89827	6.41548	6.54831	6.48928
MIR488	3.70097	3.82856	4.059	2.86986	4.9072	4.55428	3.31259	3.18745	3.29992
SEC16B	6.45144	6.2909	6.41502	6.3662	6.37303	6.36088	6.00764	6.08668	6.05846
LOC730102	7.04358	7.12104	7.28553	6.77876	6.09622	5.22247	7.01918	6.05394	6.44908
RASAL2-AS1	5.20481	5.37401	5.4801	5.83983	5.88387	5.61223	5.37216	5.38571	5.65295
ANGPTL1	7.23285	7.4978	9.0997	5.13196	5.00459	5.09499	5.1183	5.22572	5.02472
TOR1AIP2	9.0142	8.69538	8.52544	8.62291	6.89198	9.64301	8.7029	10.3102	9.64742
LHX4-AS1	6.85705	6.67401	7.05737	5.47719	5.74516	6.00655	5.37806	5.9607	6.24753
ACBD6	6.77308	6.63516	6.6025	6.18433	4.35512	5.52828	6.87235	5.62962	5.72627
MIR3121	3.64931	4.16477	3.59053	3.32565	3.33268	3.80856	3.94711	3.64931	3.46178
STX6	8.47162	8.18943	8.32521	8.03654	6.11011	7.90889	8.87445	8.76079	8.56303
ZNF648	5.28562	5.22848	5.10564	5.76048	6.45955	5.39677	5.3804	5.26318	5.39101
GLUL	9.01845	8.16993	9.02024	7.83257	7.63699	7.28136	8.23347	7.69473	7.46298
TEDDM1	4.42189	4.31244	4.43215	4.84156	6.19338	4.96068	4.54483	5.06801	4.372
RGS16	7.42032	6.91814	6.48121	7.21641	7.27102	6.91777	7.10993	7.06391	7.2445
RGS8	5.32721	5.67461	5.39152	6.23848	6.89868	5.81846	5.13573	5.56457	5.99985
SHCBP1L	2.8373	2.83531	3.038	3.2743	3.4085	3.46256	3.68977	3.55261	2.97267
NMNAT2	6.30293	5.69099	5.74659	6.27593	6.29812	6.34706	6.05796	5.90641	6.07083
SMG7-AS1	4.92088	4.32316	4.28844	4.54195	6.26597	5.18958	5.14416	4.75634	4.82485

NCF2	6.7011	7.18958	7.51632	6.87495	6.64911	7.57364	7.43675	8.26797	7.76746
colgalt2	4.94779	5.1902	5.20504	5.10055	6.07113	6.06395	5.127	5.80938	5.60192
TRMT1L	6.97924	7.1538	6.67442	6.72023	4.77196	6.09356	6.69041	6.14508	5.73339
IVNS1ABP	9.90581	9.69025	9.83678	9.08225	7.34873	8.83322	8.89192	8.92546	8.34045
GS1-279B7.1	2.4794	2.93992	2.76864	3.43947	3.17303	3.03191	3.25319	2.79433	3.17053
PDC	3.2694	3.19287	2.90012	3.53901	3.57963	3.61463	3.47145	3.26189	3.07658
PTGS2	7.70405	6.53906	6.32152	11.0307	6.22203	11.5495	8.13469	12.452	12.8051
UCHL5	7.80633	8.02882	7.99295	7.15946	5.03723	7.1791	7.78671	6.9307	7.41325
GLRX2	7.12847	7.3529	7.24114	7.60945	5.0768	6.59358	7.67402	6.91633	7.10649
MIR4735	2.09099	2.79629	1.8951	2.05361	1.60329	3.12202	2.43131	2.03757	1.98997
ZBTB41	7.73919	8.20162	7.74081	6.84205	4.61004	5.23236	6.77226	5.42147	5.53666
DENND1B	7.86366	7.53586	7.57308	8.21204	6.44421	8.58978	8.35182	8.33276	8.54395
MIR181A1HG	6.31636	5.82012	6.40513	5.98693	6.29949	5.57393	5.80762	6.21018	6.12233
Mir181b1	5.5236	4.52228	5.47965	4.74337	5.98886	5.37712	4.90607	4.98763	4.97112
MIR181A1	3.16622	3.16771	3.18287	3.06498	4.01677	3.67229	3.52565	3.69916	3.52565
LINC00862	3.97206	4.10384	3.90819	4.40008	3.87322	4.39065	4.38888	5.67116	5.1805
ZNF281	7.66583	7.65456	7.73288	7.6761	6.23006	6.88476	7.43839	8.25499	7.86903
KIF14	5.18562	4.97984	4.81542	5.68451	4.5321	4.47244	5.33496	5.63807	4.79457
DDX59	6.69536	6.96705	7.02798	6.2013	5.44586	5.61514	6.66968	5.59044	6.11904
KIF21B	6.16562	6.24512	6.3817	6.30698	6.27215	6.46202	6.59049	7.01503	6.52586
TMEM9	7.4217	7.58857	7.61232	7.62338	7.29708	7.70901	7.62318	7.46054	7.64405
TNNT2	7.14664	7.49493	7.51079	7.40915	7.17979	7.13696	7.32865	6.98422	8.16154
LAD1	9.95808	9.79202	9.84271	10.2355	9.194	10.5788	10.5547	9.96461	10.5334
CSRP1	8.66114	8.01022	8.80523	8.21898	7.23002	8.07454	7.86854	8.92464	8.71735
ARL8A	9.27452	9.51728	9.25607	9.67501	8.42008	9.69877	9.84054	9.61426	9.9224
UBE2T	6.85063	6.76254	7.00599	7.56278	6.66873	6.82348	7.26041	7.05966	6.58617

SYT2	6.07927	6.33883	6.2017	6.85886	6.89099	6.79858	6.52605	6.96207	6.5638
KDM5B	9.74957	9.83961	9.61102	9.75696	7.78762	10.1752	9.87368	9.91831	10.1403
RABIF	8.1971	8.2279	8.14949	9.02659	7.88362	8.72336	9.30352	8.60127	9.12975
KLHL12	7.15026	7.17102	6.83286	6.9744	6.04865	6.84477	6.69148	6.91518	6.7626
ADIPOR1	11.4041	11.0492	11.0718	10.857	11.1376	10.6351	10.9757	11.2692	11.2251
CYB5R1	8.36779	8.35244	7.97407	9.1088	8.33707	8.92967	8.57471	9.45816	8.95575
LOC100506747	4.35991	4.92706	4.57223	5.14173	5.44829	5.1461	4.60381	4.67444	4.73333
MYOG	6.33147	6.61286	6.62608	6.90606	7.22342	6.72316	6.57535	6.87383	6.75559
MYBPH	5.96391	6.01064	6.43246	6.61752	7.17555	6.79188	6.33863	6.55114	6.48728
CHI3L1	9.33185	8.3523	8.95863	7.27969	7.27711	7.67404	8.07946	8.7071	8.4877
CHIT1	5.25195	5.42275	5.71861	5.41389	5.89615	5.6119	5.55922	5.55504	5.32722
LINC01136	5.64209	4.8852	4.76267	5.00419	6.10143	5.95252	5.20894	5.10034	5.41976
FMOD	9.29322	8.69267	9.93301	8.73397	6.66304	7.56639	9.24456	7.3308	9.22423
LINC00303	4.5427	4.54304	4.84418	5.04055	5.81986	5.66312	5.20817	5.13037	5.09014
REn	5.18019	5.12941	4.61962	5.44851	4.89791	5.22388	5.92234	4.70817	4.86217
KISS1	5.71672	5.73984	5.67444	6.40215	7.08162	6.48777	6.32338	6.10461	6.19994
golt1a	5.16734	5.16045	5.13803	5.48939	6.07221	5.10729	5.43999	5.05418	4.98206
LINC00628	5.23788	5.61877	5.591	5.56081	6.49521	5.85534	5.53056	5.88237	5.8412
LRRN2	5.77218	5.7351	5.69741	6.09063	6.43559	6.40826	6.12425	6.19076	6.18268
TMEM81	5.79429	5.38848	5.23212	5.49336	5.72041	5.93886	6.1389	7.22292	5.83986
RBBP5	8.49899	8.58984	8.33587	7.9951	7.44811	8.8579	8.23872	9.53391	8.73434
DSTYK	7.72653	7.39525	7.45659	6.49013	6.30698	6.23249	7.24568	6.10882	6.26952
KLHDC8A	5.49636	5.84983	5.54611	6.24318	6.22133	6.22612	5.73082	6.11327	6.23237
lemd1	5.67058	5.08133	5.41935	5.13416	5.90454	6.11466	5.92015	5.86706	5.80684
mir135b	5.65565	5.22064	5.01123	6.05825	6.25981	5.67448	6.10484	5.78259	6.49232
LOC284578	5.8407	6.62041	7.62067	5.37563	6.58647	4.83563	4.01683	5.16858	4.98777

PM20D1	5.4987	5.26248	5.14063	5.35266	6.07942	6.03932	5.66906	5.44465	5.51361
EIF2D	8.99704	9.15896	9.02704	8.40715	6.77558	7.74596	8.67636	7.38391	7.95078
IL10	4.45699	4.59593	5.30833	4.75549	5.6266	4.76642	5.18975	4.81489	5.49551
FCMR	5.35578	5.17277	5.41952	5.86306	6.2257	5.67989	5.592	5.69345	5.52288
PIGR	4.96	5.17381	5.17587	5.92275	5.82875	6.43482	5.32601	5.85698	5.71077
c1orf116	9.75994	9.88684	9.54309	10.6191	8.75619	10.7018	10.2062	10.5274	11.562
YOD1	9.93156	9.35286	9.16459	9.70236	8.75031	9.65659	9.05714	9.72041	10.6418
Mir29c	6.92844	7.15632	7.01608	6.22834	6.23314	6.15886	5.73112	6.15414	5.58125
Mir29b2	5.25145	4.80453	5.19618	3.8401	4.9874	5.02234	3.43683	4.25932	4.57257
CD34	9.76002	9.71003	10.596	8.42042	5.90157	6.62209	7.84577	8.83654	8.93679
PLXNA2	8.92974	8.30726	8.40127	7.94298	6.26045	6.92873	7.88645	7.90365	8.14566
IRF6	10.5666	9.7923	9.77126	10.62	8.62909	12.1903	10.6441	11.8275	11.569
SERTAD4-AS1	6.26799	5.77836	6.10914	6.62498	6.17568	6.2496	6.4113	5.7776	6.346
NEK2	5.87789	6.61219	5.12622	5.8383	6.19713	5.27448	6.11242	5.58897	5.35691
LPGAT1	7.91144	7.58677	7.6947	7.21595	5.18586	7.29093	7.71852	7.33561	7.5326
INTS7	8.05221	7.93948	7.52472	7.68558	5.27377	6.16309	7.40006	6.56087	7.11273
RPL21P28	8.87612	9.16145	9.42048	10.3808	8.39334	10.2435	10.5057	9.64864	9.37841
TMEM206	6.66609	6.97428	6.5169	7.34661	7.55783	6.65687	8.05482	8.80608	7.95247
SPATA45	4.57669	4.29297	4.45894	5.02229	4.93456	4.46571	4.30239	5.01218	4.58001
FLVCR1-AS1	4.93096	5.46378	5.26907	5.16142	5.65703	5.63976	5.24002	5.39511	5.1529
ANGEL2	7.72675	7.79107	7.87665	6.46904	4.4973	5.38218	6.2947	5.57268	5.64319
ESRRG	6.40198	6.48598	6.59387	5.53191	6.36074	5.67054	5.46455	5.52467	5.66937
GPATCH2	7.46885	7.69624	7.47789	7.08962	5.22784	6.73071	7.33448	7.00247	7.3191
TGFB2-AS1	5.14222	5.25519	4.9591	5.06877	6.44127	5.55236	5.5946	5.2015	4.99058
LYPLAL1-AS1	4.96144	5.02159	5.00855	5.03642	5.17392	5.28254	5.31138	5.1394	4.71525
EPRS	9.25381	9.0595	9.23101	8.88733	6.20676	8.96642	9.05916	8.12285	9.15811

Mir215	2.35363	2.55717	2.53244	2.66529	2.39324	2.66376	2.69473	2.75661	2.36988
Mir194-1	3.76351	3.49094	3.37749	4.08921	3.03153	3.72578	4.58775	3.12219	3.77828
RAB3GAP2	8.84261	8.76054	8.71269	8.1185	6.34941	8.32089	8.32213	8.83311	9.00197
C1orf140	5.12052	4.78089	5.01371	4.60788	6.62436	4.72341	4.52613	4.57605	4.51551
DUSP10	7.99362	7.46003	7.33108	8.71848	6.4875	8.9434	7.7541	9.81282	8.04857
HHIPL2	6.00525	5.97468	6.09702	6.5277	7.29771	6.30975	6.11216	6.53342	6.27983
TLR5	8.30878	7.8682	7.43492	7.53339	7.10155	6.42442	7.52671	7.33155	6.84479
SUSD4	7.49893	5.84372	6.40168	6.89102	6.10153	6.44218	6.8014	5.95423	6.0486
CAPN8	5.8787	5.37233	5.89971	5.7753	6.72316	5.85486	5.41667	6.0114	6.73701
PARP1	7.42391	7.65657	7.86892	7.32608	5.76806	6.44582	7.63557	6.64515	6.53452
NVL	7.92291	7.8249	7.75586	6.26159	5.09091	5.46537	6.76588	5.99743	6.19412
MIR320B2	2.59143	3.35796	2.87861	2.57608	2.28231	2.76612	2.84293	2.67416	2.81628
WDR26	8.33485	8.10897	8.16064	7.80989	6.68436	7.75304	7.77359	8.63704	7.73802
MIR4742	8.0146	6.63584	8.08858	5.30295	4.49187	3.9797	4.24089	7.16556	5.99188
LBR	7.62744	7.28993	7.48908	7.8636	6.73399	6.62511	8.09146	7.31864	6.87807
ENAH	10.087	9.94557	9.54478	10.2469	8.23123	9.74385	10.5616	9.77267	10.7216
TMEM63A	8.04135	8.2108	8.26311	6.8942	6.76811	6.7329	7.14026	7.08166	6.74368
lefty1	4.88243	5.04275	4.82747	5.49286	6.25755	5.92528	4.9963	5.39183	5.48303
LEFTY2	5.29809	5.17984	5.11157	5.53412	6.93004	6.28015	6.02957	5.67538	5.52465
SDE2	8.09525	7.85717	7.9277	7.8774	5.2704	7.65679	8.39766	7.78374	7.42126
ACBD3	10.3502	10.2847	10.4287	10.2327	8.3799	10.2806	10.316	10.423	10.5104
LIN9	6.79033	7.0233	6.96675	6.71567	4.96619	6.10686	6.88912	5.92773	5.87776
ITPKB	7.76462	7.63581	7.58209	7.89287	7.1105	7.53738	7.97728	6.93977	7.53619
c1orf35	6.49837	6.54547	6.75924	7.23902	6.95287	7.50645	6.77538	7.27322	7.34677
MRPL55	7.29875	7.05733	7.32611	7.2624	7.51539	7.51126	7.57583	7.58575	7.48539
TRIM11	6.63037	6.06553	6.64196	6.6492	6.46146	7.35946	6.79128	6.79197	6.72861

TRIM17	6.06299	6.22119	6.11097	7.18355	6.82652	7.27768	6.70897	6.60331	6.60992
NUP133	8.37385	8.2022	8.37725	7.75601	5.68566	7.09744	7.87366	6.87578	6.82368
PGBD5	7.30967	6.87111	6.78623	9.12996	6.78122	7.5492	8.1365	7.01128	7.13626
c1orf198	7.09882	7.00922	6.92492	6.93535	5.28383	6.20691	6.97448	6.26966	6.73481
TTC13	8.36893	8.68342	9.02234	7.28148	6.29104	6.77055	7.99217	7.36373	7.56878
LOC149373	5.38038	5.73496	5.5732	5.94567	7.08854	6.1499	6.04065	6.16391	5.51242
C1orf131	5.92564	6.04078	5.87932	5.59362	6.53063	5.57239	5.72099	5.7201	5.68153
EXOC8	8.14747	7.98437	8.12698	7.88634	5.86698	7.93541	8.13161	8.08804	8.07532
EGLN1	9.40127	9.8797	9.81362	9.19314	7.3707	10.0784	9.56851	8.99778	9.12646
SNRPD2P2	5.07719	5.5143	4.90764	5.39193	5.30916	5.39732	5.31712	5.20882	5.38534
LINC00582	5.96413	6.13452	6.06128	6.3181	7.05998	6.71648	5.97736	6.34204	6.18214
DISC2	5.28325	5.05492	4.97346	5.13318	5.39607	5.06357	4.96688	5.1283	5.22887
SIPA1L2	8.30509	8.15669	8.13992	8.74436	7.96155	9.38782	9.05642	9.83483	9.58958
PCNX2	7.87984	8.12943	7.83809	7.48702	6.83385	7.23104	7.65578	7.54875	7.31886
TARBP1	8.91856	9.2359	8.8718	7.19519	5.66278	5.69827	7.32782	6.04562	6.26314
LINC01354	5.20793	4.84228	5.1332	5.49728	5.77361	5.60068	4.71883	5.44287	5.5641
TOMM20	8.68193	8.93431	9.19635	9.0089	7.74398	8.95801	9.39298	8.0335	8.62832
RBM34	7.96751	7.85148	8.00635	7.62481	6.09289	7.57464	8.20512	7.38883	7.76029
ARID4B	7.71326	7.76808	7.78908	6.81593	5.16694	6.60089	6.82064	7.49311	7.07245
MIR4753	3.86449	3.3897	3.37174	3.7126	2.96276	3.40341	4.08072	3.63969	3.44102
LYST	9.55121	9.46555	9.22772	8.7972	6.30727	8.34089	8.48923	8.23526	9.11184
MIR1537	4.21361	4.8122	4.0417	3.42902	3.13586	3.44929	3.51925	4.17753	3.54915
NID1	8.49882	7.87199	9.14139	8.47393	6.90749	7.12938	8.71542	7.80542	8.0524
ERO1B	6.02426	4.77141	5.52212	4.75662	3.94938	4.75483	4.9721	5.17702	4.73504
LGALS8-AS1	5.81242	6.16408	6.1142	6.57942	6.83882	6.94265	6.35003	6.25768	6.41125
HEATR1	8.84571	9.04054	8.9662	8.37824	6.59937	7.19429	8.1871	7.12697	7.817

ZP4	4.87431	4.82917	4.91159	5.65044	7.08194	5.76034	6.22542	5.39648	5.73776
LINC01139	7.0701	8.72354	8.24608	5.93876	6.16237	4.38404	5.19674	4.98066	5.54607
GREM2	5.88928	5.83731	6.216	6.38074	6.87473	6.6996	6.32354	6.49093	6.51417
RGS7	3.98387	3.65907	3.67709	4.33875	4.37133	4.38644	4.25347	3.92016	3.99012
FH	7.99074	7.89322	8.06212	8.47599	6.30796	7.63122	8.21977	7.43367	8.07808
OPN3	6.80911	7.239	7.04802	6.91502	6.72933	6.54296	6.71896	6.25047	6.19263
CHML	7.76013	7.66845	7.98528	7.29765	5.17206	5.74797	6.9941	6.51481	6.46102
MAP1LC3C	4.88018	5.26734	5.32835	5.39904	5.53356	5.59825	5.42333	5.83416	5.64182
LINC01347	8.7663	8.6977	8.96134	6.91056	7.46913	7.79074	6.61318	8.64824	8.38231
CEP170	8.03017	7.59837	7.85784	6.83905	5.99052	5.73952	6.36926	6.53351	6.81259
ADSS	8.27493	8.34589	8.47484	8.14414	6.56919	7.92378	8.81672	7.53185	7.89379
HNRNPU	8.93757	9.05607	9.24137	6.8079	5.37666	4.90511	6.74343	7.23102	7.53473
SMYD3	6.57498	6.30265	6.38719	6.13788	5.66523	5.44366	5.51308	5.68246	5.94029
LOC255654	6.17245	6.17922	6.37327	6.00019	6.46737	6.26242	5.90826	7.04769	6.73078
AHCTF1	9.04528	9.20458	9.37804	8.23556	6.23075	7.21444	8.22335	7.95708	8.14258
ZNF695	5.12433	5.27179	5.19829	5.39672	6.31617	5.49376	5.22353	4.72388	5.18597
ZNF669	6.01646	5.68281	6.50823	5.50941	6.08839	5.6528	6.35324	5.41108	5.47911
ZNF124	5.36168	5.94119	5.75797	5.03505	5.20005	5.39045	5.11857	4.90758	4.90485
MIR3916	8.87947	9.44561	9.09863	7.73941	8.91623	7.10499	7.64292	7.70102	8.18819
ZNF496	6.74733	6.14619	7.02733	6.36508	6.23644	6.13866	6.57795	6.61172	6.57254
GCSAML-AS1	5.36255	4.96022	5.18541	5.38867	6.49209	5.43166	5.43448	5.35619	5.68787
SH3BP5L	7.07174	7.04183	6.84931	7.39882	6.99686	6.86695	6.97142	8.0594	8.29597
ZNF692	7.33378	6.79496	6.77626	7.35134	7.10625	7.55298	6.98404	7.42283	7.33504
PRR26	5.42319	5.34239	5.85689	5.80288	6.76881	6.14524	5.71087	5.77722	5.81762
GTPBP4	7.46978	7.39266	7.52322	7.81571	6.00484	7.11062	7.99208	7.37056	7.73381
IDI2-AS1	5.77352	5.62167	5.45517	5.61356	5.55206	5.50055	5.37333	5.22548	5.72904

WDR37	8.43805	8.42532	8.07182	8.55191	7.0641	8.39218	8.83307	8.38278	8.39863
LINC00200	5.82903	5.63263	5.94514	6.16391	6.38286	6.90224	6.0419	6.44899	6.28906
PITRM1-AS1	6.30637	6.36834	6.36921	6.64935	6.76262	6.7072	6.19781	6.22961	6.26648
LINC00705	5.05189	5.31129	5.09097	5.12775	6.20289	5.54486	5.01639	5.54893	5.16562
UCN3	4.46358	4.82107	4.95562	5.28459	5.11778	5.76484	5.14706	5.11706	5.21581
NET1	9.08735	9.15584	9.33609	9.51282	8.37864	10.7628	9.82413	10.4862	9.93684
CALML3	11.4508	10.7735	10.415	12.5972	10.7658	11.469	12.2949	10.8029	11.8496
RBM17	7.39948	7.67449	7.4374	7.22852	5.56253	6.82544	7.23484	6.72394	6.59199
MIR3155A	7.11454	7.05736	7.32743	7.58664	8.63213	7.68397	7.76904	7.70861	7.55474
LOC399715	5.43837	5.75352	5.51059	5.42338	5.77313	5.72866	5.72089	6.47374	5.58699
PRKCQ-AS1	5.05749	4.59521	4.97693	4.9748	5.10088	4.82689	5.01943	4.90918	4.87844
LINC00707	5.72622	5.88001	5.96283	7.37681	7.52667	9.16407	7.77373	11.5962	10.8544
ITIH2	5.34598	5.12241	5.49038	5.33551	6.51627	5.57691	5.23738	5.55046	5.52656
GATA3-AS1	4.10519	4.34539	4.27461	5.48059	5.67248	5.25588	4.93018	5.3911	4.7126
GATA3	9.29429	8.72546	8.46575	7.69451	6.19702	7.18129	7.44907	6.14859	6.15931
ECHDC3	7.69796	6.73616	6.96573	7.30096	5.88014	6.59507	7.49515	6.62297	6.72453
PROSER2	6.96657	6.93691	6.72265	7.84598	7.25417	8.13005	7.44843	7.80356	7.76792
DHTKD1	7.92043	7.93382	7.89844	7.49337	7.05981	7.23515	7.70073	7.64979	7.4606
SEC61A2	6.87509	6.74302	6.78025	5.22886	5.23355	4.88299	5.72847	6.26368	5.80251
CDC123	9.16179	9.24649	9.37242	9.17045	6.85773	8.3231	9.26274	8.22983	8.78718
CAMK1D	9.38982	9.02328	9.28032	8.82542	7.80067	8.84847	8.81321	8.11588	8.57804
MIR4480	7.86472	7.0823	7.02222	5.31282	5.57034	5.4901	4.86563	5.41142	6.25127
OPTN	8.25267	7.97081	7.82326	8.15695	7.29182	9.11136	8.78625	9.08808	8.89689
MCM10	5.91107	5.69684	6.2802	6.75619	6.26852	6.21925	5.44011	6.24709	6.19324
PRPF18	7.31407	7.76885	7.40735	7.06058	4.83237	6.22287	6.83975	6.56253	6.58714
MIR1265	2.44913	2.55779	2.92048	2.79618	4.44177	3.34297	2.7951	2.7804	2.8655

HSPA14	7.20157	7.20907	7.68105	6.79858	5.93386	6.50793	7.6613	7.15247	7.03965
SUV39H2	6.48786	6.47243	6.14251	6.14582	4.96831	5.24615	6.27777	5.47253	5.28191
MEIG1	3.58534	3.54297	3.26117	3.81631	4.14485	4.37317	4.28903	3.65134	3.5316
OLAH	3.18382	3.60043	3.32294	3.66827	4.13513	4.30402	4.08783	3.501	3.62631
RPP38	6.91748	6.90216	6.99854	6.19274	6.06524	6.35374	6.44342	6.29816	6.08441
PTER	8.44022	8.35815	8.73039	7.60371	6.94795	6.85997	7.41652	7.07889	7.19233
VIM	9.43881	9.25502	9.98718	8.74837	7.34891	7.90526	8.51946	8.67164	8.35921
ST8SIA6-AS1	4.13104	4.17423	4.24349	4.78761	5.08225	5.13758	5.08665	4.45108	4.6681
STAM	9.97514	9.4752	9.77707	9.80434	8.36925	9.89179	10.4613	10.8	10.8946
TMEM236	5.95365	5.68448	6.0703	4.97411	5.90569	5.82833	4.85964	6.09791	6.1251
Mir511	3.67295	3.9841	3.967	3.87745	4.52455	4.07528	3.58652	4.15081	3.72341
ARL5B	10.2954	9.74212	10.2328	10.3055	9.03862	11.805	10.2738	11.0469	11.7093
plxdc2	12.1391	12.1468	12.1768	11.3069	10.4278	10.8758	11.3575	11.4934	12.0976
MIR4675	5.8962	6.0037	6.03872	6.59109	6.22835	6.83951	6.6908	6.46097	6.21536
NEBL-AS1	5.8995	5.49309	5.68451	5.82316	5.65526	6.02539	5.70864	5.64046	5.4089
LOC100130992	5.43079	5.23533	5.52615	5.50459	5.71688	6.44756	5.7104	5.44465	5.64513
COMMD3	7.97941	8.1672	8.06812	7.78908	6.06405	7.46306	8.23418	7.00201	7.25172
SPAG6	4.49188	4.93222	4.7772	5.26931	5.31109	4.99523	4.75804	4.73988	4.93094
ARMC3	3.51378	3.83341	4.05629	3.90113	4.25547	4.38838	4.25208	4.04439	3.97775
MSRB2	7.51107	7.27441	7.2757	8.41301	6.49528	7.98787	8.62842	8.30024	7.9031
OTUD1	7.21027	7.16705	6.76676	7.18908	5.32835	6.80128	7.32581	7.20835	6.79534
KIAA1217	8.9539	8.46549	8.9629	8.45598	5.99362	8.29885	9.00023	8.31908	9.31241
MIR603	6.14964	5.63902	6.01182	5.11246	5.63167	5.64102	5.05397	5.71916	5.76564
THNSL1	6.25455	6.95379	6.18234	6.36733	6.60029	6.08061	6.04625	6.48299	6.47913
GPR158	3.93471	3.93773	3.87804	4.53821	4.97167	4.6618	4.25098	4.36775	4.54142
MYO3A	3.9141	4.29422	4.04534	4.10406	4.81491	4.39752	4.30723	4.24633	4.2546

LINC00264	4.44294	5.12472	4.49868	4.77551	6.04122	4.57959	4.92601	4.26274	4.28418
LINC00202-2	5.2802	5.35577	5.19874	5.44177	6.1951	6.4093	5.72605	5.39675	5.51556
MASTL	9.16183	9.11332	8.96254	8.37954	6.72899	7.88676	8.30838	8.08228	8.09117
WAC	9.24628	9.42475	9.31152	8.44238	8.26357	8.65285	8.65637	8.87826	9.318
BAMBI	5.94709	7.29153	6.35218	7.03692	6.41909	7.71014	7.55961	7.83544	7.08885
SVIL-AS1	7.82211	7.92162	7.8329	7.40993	7.33559	7.32177	7.63738	8.25382	8.41116
MAP3K8	8.97783	8.21815	8.17569	7.88306	7.45618	9.67813	8.17208	9.41076	8.43742
ZEB1	7.39872	7.20808	7.87233	5.97317	5.84278	5.33064	6.04734	6.57235	6.55529
ARHGAP12	6.10174	5.60011	5.88847	6.89423	6.07379	6.82782	7.41306	6.68489	6.37352
CCDC7	6.22579	6.49718	6.17232	4.72868	4.31491	4.88983	5.27892	4.80299	4.83568
CREM	6.08846	5.83682	6.11891	6.62343	5.60059	6.2504	6.63604	5.84579	6.19747
CCNY	7.51493	7.63382	7.96577	7.67817	6.13867	7.55342	8.08191	7.3583	7.67967
ANKRD30A	3.98361	4.55797	4.82022	4.48711	4.42603	3.9606	4.18606	4.01618	4.20108
ZNF33A	7.40061	7.94812	7.82321	5.65017	5.60974	5.46178	6.15665	6.26611	6.15093
ZNF37A	6.73439	7.00361	7.02338	5.82382	5.70235	5.88837	5.93945	6.18537	6.21879
LOC100129055	3.922	3.84905	4.12957	4.91705	4.46986	5.19835	4.75881	4.2895	3.80764
HSD17B7P2	7.44604	7.16762	6.9818	6.1856	6.04227	6.28122	6.28393	6.06052	6.56847
LINC00999	6.58257	6.8922	7.24626	5.36929	7.1556	5.49767	5.62655	6.48718	6.09576
ACTR3BP5	3.48776	2.95145	2.73044	3.81554	5.4356	2.86862	2.96027	2.82271	3.03901
LINC00839	6.92743	6.58263	7.0785	7.35685	8.0098	7.30132	7.07846	7.22468	7.20868
RET	5.70521	5.66826	5.59049	6.29684	6.27774	6.02406	6.86351	5.82887	7.07534
CSGALNACT2	8.21523	7.84549	8.02426	7.83048	6.10831	9.4379	8.31885	9.12927	8.49651
FXD4	5.9226	5.68651	6.18351	6.60077	7.31055	7.04108	6.42833	6.90294	6.2917
ZNF485	6.94708	7.4214	7.04585	6.35965	6.45211	5.86533	6.57134	5.59009	6.09355
ZNF32-AS3	5.22865	5.26853	5.6305	5.15088	5.80143	4.77153	4.85832	5.38002	5.18393
ZNF32-AS1	4.5427	5.11656	4.59617	4.1689	5.02349	4.50062	4.58142	4.53663	3.97896

ZNF32-AS2	5.26863	5.30586	4.97594	5.07493	5.91606	4.75158	4.7139	4.72205	3.90801
LINC00619	5.67054	5.42307	5.28831	6.00651	7.13625	5.70841	5.19069	5.73832	5.72222
LINC00840	5.317	5.15617	5.56421	4.8139	6.80786	5.38653	5.43124	5.44807	5.44516
LINC00841	5.10165	4.68167	4.71687	5.05936	4.81607	5.10907	4.93656	4.78348	4.92506
C10orf142	4.7738	5.16032	4.81366	4.80295	5.17581	5.4363	5.19538	4.90531	5.33062
TMEM72	5.82115	5.71753	5.68929	6.34614	6.22883	6.92683	5.99362	6.35259	6.62491
RASSF4	5.9839	6.22898	6.41892	6.05345	6.26541	6.09018	5.74701	6.10053	6.17896
C10orf10	6.29934	6.26204	6.43974	6.30555	6.58134	6.66916	6.27325	6.34651	6.56719
ZNF22	6.40699	5.9101	6.4201	5.79383	4.77756	4.85509	5.78747	5.28768	4.93921
ANKRD30BP3	3.31874	4.04257	3.86022	3.53063	3.87097	3.62382	3.53562	3.70245	3.73685
MIR3156-1	1.99215	1.76067	1.89181	2.10651	1.95386	2.24738	1.93879	1.91954	2.17657
ALOX5	6.94387	6.67511	7.43375	6.53084	6.09852	6.69575	7.07332	7.25252	6.83455
GPRIN2	7.55035	8.14494	7.96444	7.38274	8.3745	7.14172	7.10197	7.03409	6.58078
NPY4R	4.32473	4.83474	4.95929	5.13779	6.61592	4.13268	4.83123	4.57422	4.43491
CTSLP2	5.97673	6.12606	6.498	6.83152	7.68003	7.5976	6.71431	7.48611	7.14286
ANXA8	10.2434	10.3103	10.5635	10.4177	9.62228	10.9607	10.9459	10.9473	11.357
ZNF488	5.30029	5.57851	5.7441	6.21613	6.71065	5.97426	6.02042	5.94377	5.93131
MAPK8	7.70786	7.74433	7.76251	6.98095	5.12128	6.12344	6.87924	8.52557	7.59987
WDFY4	5.44011	5.35385	5.58733	5.26616	5.84107	5.66194	5.25363	5.52975	5.65651
VSTM4	6.19883	5.95944	6.18408	6.73862	6.73199	6.7529	6.67783	6.57589	6.48372
FAM170B-AS1	4.93771	4.87309	4.91733	5.30813	5.68747	5.10595	4.95517	5.2333	5.19063
C10orf71	5.39409	5.53093	5.37586	5.41191	6.10543	5.97656	5.52463	5.60951	5.67567
CHAT	5.81368	5.70757	5.81822	6.41273	6.65886	6.59482	6.47177	6.45388	6.65127
c10orf53	5.30117	5.31607	5.34818	5.78953	5.98789	5.83	5.51596	5.84594	5.7586
NCOA4	10.1608	10.1358	10.3309	9.83308	8.79973	9.68567	9.93478	9.87637	10.262
PARG	9.90717	10.2558	10.228	8.93714	7.9009	9.15471	9.14577	8.93398	8.90812

MIR605	3.93787	4.09134	4.28993	3.41141	4.10312	3.00914	3.04603	2.83917	3.49071
DKK1	5.26451	5.06757	6.46395	5.04746	4.91066	4.31476	5.01874	4.25874	4.62807
MTRNR2L5	3.2626	3.03347	2.8159	3.4992	3.74571	4.37378	3.76577	3.48606	3.03682
CISD1	6.58585	6.56963	6.41977	6.86524	5.77004	6.06033	6.94488	6.1015	6.52346
UBE2D1	8.41854	8.24787	8.12593	8.49265	8.52629	8.29188	8.95797	9.34384	8.95996
BICC1	7.86579	6.89045	7.32079	6.53087	6.24587	5.36409	6.74014	6.1988	6.20547
PHYHIPL	4.48999	4.72809	4.21524	4.32475	4.81634	4.41462	4.17023	4.54769	4.27191
CDK1	6.1353	5.45513	5.56112	6.70206	4.862	5.80943	5.76032	5.88827	5.69328
c10orf107	4.81387	4.69829	4.55502	4.94938	4.78556	4.70775	4.87556	4.37053	4.24538
ARID5B	9.40545	8.9864	8.99339	8.30366	7.74854	8.96864	8.83667	9.15655	9.08011
ZNF365	5.23345	5.18115	5.35551	5.55215	6.48395	5.95201	6.12265	6.44313	6.23852
ADO	6.94856	6.82125	6.98823	7.02591	6.4505	7.08423	7.48262	6.60412	6.70135
NRBF2	9.42443	9.2596	8.72495	10.0111	9.78114	11.2742	10.683	10.8925	10.7438
JMJD1C-AS1	6.35446	6.36823	6.10328	7.48331	6.88564	7.56258	7.24235	7.32772	7.25223
REEP3	9.80789	9.55466	9.51546	10.0047	7.91456	9.49586	10.1294	9.92814	10.3581
ANXA2P3	4.75934	4.57433	5.05274	5.27155	5.6971	5.71066	5.90466	5.33404	5.58807
LRRTM3	4.91295	4.84303	4.78714	5.19325	5.46436	5.54519	5.01829	5.20893	5.0623
SIRT1	8.35731	8.65347	8.07173	7.79996	6.36682	8.29989	7.94586	7.71859	8.17546
MYPN	4.73177	4.51104	4.63739	5.0976	5.98513	5.31709	4.75929	5.0863	4.8841
HNRNPH3	9.61199	9.43782	9.31183	8.17943	6.37606	8.28008	8.549	8.65012	8.81796
TET1	7.11171	7.08847	7.1381	6.28716	5.99611	5.59256	6.20468	5.98112	5.47997
CCAR1	10.08	10.1839	10.0637	9.10667	6.98982	8.11831	9.30416	8.50187	8.94369
MIR1254-1	7.89424	7.87458	7.94108	6.01048	7.61644	5.39584	5.93436	7.51811	7.32732
STOX1	5.65842	5.80795	5.58839	5.16281	5.52851	4.2472	4.25531	4.01811	4.17006
DDX50	7.24148	7.58541	7.48699	7.03704	6.19588	7.88818	7.42207	7.39023	6.81269
DDX21	8.79123	8.95272	9.13615	9.40481	6.08623	9.13756	9.69518	8.59854	9.29727

kif1bp	8.08119	7.65262	7.94806	7.22082	5.91235	6.94783	7.51773	6.99636	7.21471
SRGN	8.44387	7.21742	9.13375	8.55085	6.86703	10.8054	8.73279	9.81113	9.51526
VPS26A	9.12979	8.85131	9.10975	8.91635	6.87825	9.19036	9.12577	9.26016	9.02811
HKDC1	5.16799	5.8764	5.74634	5.93825	5.918	6.17634	5.956	5.87236	5.68034
HK1	8.38116	8.14874	8.37578	8.1388	6.99413	8.90329	8.50255	8.76835	8.22269
tspan15	6.89158	6.57934	6.87529	6.93049	6.48826	6.72297	7.34315	7.39834	6.99577
C10orf35	4.39085	4.90981	4.69501	5.0875	5.51859	5.10615	4.99347	5.15885	5.16526
EIF4EBP2	11.5228	11.2994	12.005	11.3545	10.1643	10.5119	11.5308	11.0309	11.5094
NODAL	5.57505	6.11988	6.26048	5.78823	5.61713	5.4267	6.18371	5.78266	6.01508
PALD1	6.68019	6.96507	7.06975	7.45301	6.75034	7.267	7.4622	6.78576	6.70706
SGPL1	9.5572	9.65803	9.47611	9.43869	6.90914	9.52755	9.5717	8.87189	9.69695
UNC5B	8.89104	8.36479	7.95214	8.99868	6.93354	8.97823	9.24278	8.49047	8.95514
CDH23	6.09437	6.01701	6.32208	6.17197	6.04746	6.1325	6.01306	6.26137	6.14546
CHST3	7.3142	7.24808	7.63382	7.16293	6.02548	6.94867	7.61863	6.94346	6.84816
ANAPC16	8.07717	8.03335	8.3012	8.10193	5.0799	7.82559	8.69559	6.99582	7.3568
DDIT4	7.49807	6.89996	8.02622	9.25744	9.65733	11.6887	10.1323	10.7258	8.92168
MCU	9.33409	9.11792	9.28185	8.46422	6.87446	8.07428	8.68529	9.69611	9.16225
MIR4676	2.37579	2.31442	2.37065	2.61063	2.45245	3.02343	2.94943	2.41234	2.35514
OIT3	4.94629	5.32541	5.04831	6.10457	5.66404	5.83623	5.61623	5.68935	5.27677
NUDT13	5.92331	6.04389	6.09439	5.34183	6.4564	5.44035	5.42331	5.08797	5.31909
DNAJC9-AS1	5.24782	4.55959	4.99984	5.34497	5.84677	5.19146	5.25086	4.79811	5.09211
MRPS16	6.4028	6.36285	6.56599	7.12456	6.90109	7.00672	8.07095	6.28824	6.68555
CHCHD1	5.86545	5.36506	5.56505	6.71758	4.43577	6.02898	7.128	5.73423	6.14821
ZSWIM8	8.42791	8.43433	8.35828	8.40059	6.98273	8.70216	8.47769	8.26538	8.34808
CAMK2G	6.08109	5.81217	6.36807	5.86296	5.59952	6.56724	6.47711	6.14851	5.53233
VCL	10.3923	9.25477	9.61785	10.0015	7.217	9.51835	9.87239	10.1642	10.4262

ADK	10.7306	10.7632	10.5973	10.6649	8.75385	10.5914	10.7185	10.4869	10.6933
KAT6B	9.15607	8.97525	9.0087	7.43732	6.26721	7.30155	7.65747	6.73696	7.13602
SAMD8	7.53031	7.92349	7.46037	7.79224	6.81511	8.7983	7.82958	8.06369	7.94903
VDAC2	8.70663	8.19879	8.51676	8.59527	8.35625	9.06462	8.67081	8.98169	8.83041
ZNF503-AS1	5.16789	5.23557	5.19388	5.43053	6.26517	5.33503	4.98503	5.22371	5.50488
ZNF503-AS2	6.08327	6.06462	6.0374	6.30779	6.02358	6.38518	6.40912	6.26863	6.12234
c10orf11	5.78835	5.70846	5.97207	5.83891	6.18309	5.4703	5.46278	4.78314	5.24182
MIR606	6.94041	6.71846	6.81789	5.38496	6.5339	5.39361	5.43397	6.06619	5.32992
DLG5-AS1	5.81286	6.05384	5.93208	5.93446	6.36654	6.04093	6.22464	6.02315	6.07853
RPS24	6.64825	7.06785	6.87066	6.86701	6.81078	6.75431	6.68757	6.60718	6.63621
LINC00856	5.21195	5.00518	5.45027	5.86215	7.23045	5.70457	5.22199	5.66873	6.15003
PPIF	9.66516	9.67254	9.64467	10.9686	11.8252	12.5305	11.6182	12.8013	12.3197
EIF5AL1	5.63085	5.45757	5.56928	6.10079	6.14036	6.64557	6.10089	6.42824	6.85408
SFTP1	4.92156	5.57737	4.83641	5.46619	6.154	5.40445	5.47035	5.4659	5.60178
BEND3P3	4.09916	4.39046	4.86165	5.20947	5.66284	4.72983	4.5087	4.79612	4.93351
LOC642361	6.55462	7.14028	6.54654	6.78011	5.94825	6.6507	6.76582	5.99434	6.14478
TMEM254	8.85346	8.56965	8.04868	6.8828	6.07332	7.35453	7.72377	6.22925	7.19738
PLAC9	5.75182	6.14431	6.36654	6.93689	6.50338	6.86231	6.48813	6.4254	6.44782
LINC00857	3.97241	4.0902	4.23317	5.00912	5.57334	4.85607	4.75727	5.15188	4.78806
dydc2	4.24753	4.84471	4.24385	5.08914	5.5341	5.33198	5.15334	5.23902	4.78806
TSPAN14	9.0414	9.00156	9.32538	8.77768	7.25691	8.69963	8.75047	8.60913	8.8004
SH2D4B	5.45281	5.03106	5.39835	5.48358	6.0497	5.50403	5.42143	5.66091	5.7103
NRG3	5.54118	5.52749	5.60229	5.71344	6.18975	5.67325	5.33993	5.20097	5.43183
GHITM	9.68508	9.77726	9.97337	9.69174	8.32533	9.86992	10.4956	10.0284	10.1975
C10orf99	10.6896	11.0149	10.8538	11.512	12.4579	11.6386	12.3382	11.1196	12.4154
CDHR1	10.5369	10.0524	10.5709	8.1577	7.59087	7.53408	8.87681	7.77612	8.65098

RGR	5.78271	5.85936	5.61842	6.33283	6.89473	6.18661	5.97094	6.36549	5.97371
LINC00858	4.21661	4.22053	3.86	4.51588	4.64051	4.37317	4.13583	4.32333	3.98921
GRID1-AS1	5.22229	5.74541	5.23573	5.39446	7.06902	5.23836	5.27749	5.63316	5.55646
OPN4	6.50397	6.76829	6.74097	7.12969	6.9792	7.25883	6.5089	7.07851	6.70853
LDB3	5.53565	6.02244	6.7295	5.72264	5.81923	6.19232	6.37724	6.05042	6.07316
ADIRF	7.01247	7.57766	8.26675	9.1941	7.50119	9.8515	9.01451	9.69762	9.90347
AGAP11	6.32673	6.91226	7.20753	4.82925	7.53564	5.77512	5.98082	6.76229	7.30809
LINC00863	7.02835	6.91772	7.27117	7.8731	8.00532	7.71913	7.50965	7.22726	7.49005
MIR4678	3.17992	3.37341	3.37836	3.59608	4.27612	3.26144	4.25906	2.97507	4.82111
MINPP1	7.58084	7.80689	6.87063	7.54637	5.43178	6.13986	7.93335	5.8143	7.03252
PAPSS2	6.88957	6.10115	7.03401	7.11632	6.3201	6.73719	7.06356	5.97578	6.58038
CFL1P1	5.56268	5.31473	5.37847	5.60878	5.64293	5.03873	5.73476	5.39423	5.0547
PTEN	8.60736	8.6872	8.51387	6.38824	5.72	6.52804	7.40767	8.29406	8.25199
STAMBPL1	7.49341	7.44051	7.05542	6.19084	6.13014	6.02105	6.49271	5.84059	5.85857
IFIT2	5.93606	5.49588	5.5281	4.81459	5.56277	4.87129	5.25486	5.09625	4.74385
IFIT3	6.13388	5.33575	5.66793	4.77179	4.53888	4.63108	5.65154	4.37251	3.78093
IFIT1B	3.97417	4.35451	3.8792	3.73921	6.45114	4.44335	4.13636	4.63626	4.35789
IFIT1	6.60682	5.57125	5.78846	4.93671	4.97245	4.65602	5.32301	4.94306	4.40183
IFIT5	7.93863	7.12116	7.83132	6.60808	6.5801	7.03933	7.47601	6.32195	5.99291
mir107	6.40873	6.42091	6.31185	6.26745	7.44664	5.54808	6.02886	6.24674	7.03133
KIF20B	6.88573	6.37369	6.76304	5.87219	3.90286	5.4101	6.53863	6.20136	5.46829
LINC00865	2.77886	3.14516	3.21865	3.47555	3.10871	3.16463	3.27622	3.60749	3.16732
RPP30	7.6692	7.47488	8.04273	7.44094	5.89434	6.42315	7.44568	6.82724	6.86099
PCGF5	8.2012	8.51786	8.24406	7.19074	6.23857	7.26538	7.68201	7.21641	6.92463
HECTD2	7.31929	7.32315	7.13758	6.50793	4.78294	5.88193	6.66225	6.55327	6.98458
44260	8.60582	7.97362	7.98677	8.81777	7.28176	8.31363	8.83927	9.23519	8.56996

KIF11	7.55404	7.10578	6.9257	7.23246	5.10409	6.10531	6.59321	6.4212	5.91645
HHEX	5.28917	5.39514	5.61529	6.21018	6.3846	5.61025	5.62116	5.68329	5.64532
EXOC6	7.68109	7.73257	7.68753	6.74256	5.15051	6.69211	7.19393	5.82177	6.76778
CEP55	7.02228	6.2226	6.07436	7.20177	6.07836	6.52093	7.24367	6.97684	6.57911
FFAR4	5.7408	5.57565	5.7417	5.60607	5.91893	5.98228	5.39016	5.62243	5.43036
ACSM6	6.15383	6.30811	4.63228	4.42525	5.47801	4.77843	4.61893	4.45075	4.73271
ENTPD1	6.99174	5.90115	7.68875	5.64441	5.69388	4.387	5.38089	5.52154	5.95063
CC2D2B	5.18172	4.93451	5.71631	4.42116	4.7544	4.31302	4.36563	4.65748	4.71304
CCNJ	7.39139	7.4246	7.49599	7.23709	6.4932	6.48806	7.4694	6.19601	6.89486
ZNF518A	7.18283	7.41935	6.84555	6.23769	6.08252	5.49767	5.79267	5.67932	5.85122
LCOR	8.67184	8.66408	8.73451	8.11194	7.37724	8.68248	8.21385	7.97983	8.37156
SLIT1-AS1	4.30678	4.33537	3.9555	4.73333	5.21867	4.82954	4.43987	4.54467	4.34916
FRAT1	5.84755	5.08544	5.61816	6.51036	5.38095	5.87483	6.2495	5.99575	5.78229
UBTD1	7.28328	7.28882	7.24536	8.01935	7.57214	8.07676	8.02332	7.97147	7.54495
ANKRD2	6.35282	6.45689	6.3063	6.80544	7.19413	7.13481	6.54271	6.73733	6.51979
HOGA1	5.36456	5.7904	5.78308	5.96901	6.17068	6.21588	5.84038	6.11049	5.9727
C10orf62	5.55456	5.92405	5.81	6.10301	6.5126	5.70541	5.72963	5.92752	6.22726
PI4K2A	8.88433	8.6451	8.47508	8.97933	8.76315	10.7499	9.66548	10.6609	10.0666
MARVELD1	7.71118	7.57194	7.89072	7.60172	6.5354	7.17363	7.82849	6.82728	7.2264
R3HCC1L	7.53457	7.72671	7.45661	7.37823	6.52149	8.58779	7.13607	7.61085	7.54771
CNNM1	6.10419	6.11345	6.1073	5.66596	6.29753	5.96331	5.83	5.6941	5.62314
NKX2-3	4.95391	4.74764	4.98221	5.96874	5.33006	5.83275	5.5553	5.767	5.60802
ENTPD7	8.74362	8.68695	8.44278	9.19455	7.63256	9.26326	9.78491	9.22339	9.92266
CUTC	7.21519	7.84146	7.42375	6.90603	6.65298	6.72054	7.55906	6.74632	6.92918
dnmbp	4.49938	4.42597	4.53441	5.39555	4.85181	4.90847	5.2759	4.45038	4.7213
SCD	10.4759	9.10318	10.4183	11.1447	10.6248	11.161	11.8994	10.6576	12.2318

PAX2	6.19161	5.9823	6.07296	6.69294	6.72529	7.01274	6.45147	6.76902	6.45568
MIR608	6.09078	6.45076	5.72325	6.19531	4.71748	5.76328	6.25573	5.47152	5.9334
c10orf2	6.49784	6.76458	6.50657	6.57946	6.17683	6.36645	6.57622	6.32899	6.2854
SFXN3	8.05172	7.82508	7.73389	7.70471	7.14331	7.54445	7.85932	8.0375	8.26009
KAZALD1	5.72099	5.66961	5.64459	6.04846	5.93236	6.06186	5.76128	5.7866	5.83138
TLX1	5.01049	5.13907	5.49138	5.90572	6.12007	6.33882	5.66702	5.99102	5.93697
LBX1-AS1	5.48533	5.69559	5.55434	5.97712	6.05399	5.92347	5.98799	6.11926	6.0215
BTRC	9.00348	8.84243	8.65585	8.36991	7.04946	9.22882	8.97381	10.1203	9.87045
DPCD	6.8566	6.82008	6.92365	7.17016	7.8602	7.54012	7.24354	7.02783	7.22286
MIR3158-1	3.42821	3.16682	3.63387	2.97307	2.16799	4.47612	2.51267	3.13194	3.10222
kcnip2	5.02589	5.38403	5.14977	5.5706	5.60789	5.70519	5.7702	5.51793	5.56797
HPS6	6.14039	6.17374	6.25348	6.29692	5.37195	6.54005	6.24954	6.35235	6.67241
NOLC1	8.38008	8.30442	8.64444	8.15032	5.45012	7.25728	8.76269	7.56259	8.09405
ELOVL3	6.68331	5.25741	5.43374	6.356	5.63924	4.92988	5.4171	5.15663	5.34301
GBF1	9.60258	9.36305	9.2711	8.86289	6.93942	8.94368	9.20703	9.40112	9.45264
NFKB2	7.58893	7.12879	7.34135	7.96875	6.62069	8.27262	7.6797	8.26605	8.36611
FBXL15	5.19064	5.44108	5.32513	6.06958	5.77941	6.23393	5.91374	6.03625	5.97775
MIR146B	4.61776	4.1031	4.47255	5.10722	5.39946	5.0701	4.76003	4.63533	4.5736
RPARP-AS1	6.6047	6.94216	6.50981	6.57822	5.8436	5.79927	6.38645	5.62973	5.74668
MFSD13A	6.92084	7.14458	7.08738	6.85002	7.48081	7.20526	7.08772	6.91761	6.94286
sufu	8.09219	8.15225	7.79546	6.8044	6.53612	6.6067	6.88798	7.10435	6.59532
TRIM8	8.18668	8.06734	8.34276	7.79875	5.24881	7.82879	8.05502	6.94476	7.63696
SFXN2	6.8992	7.29673	7.26734	7.32748	6.82011	6.8158	6.54196	6.10907	6.75882
WBP1L	9.65607	9.63475	9.71162	9.32251	8.03284	8.98933	9.68641	8.70356	9.36516
BORCS7-ASMT	6.68906	6.68442	6.53532	5.81149	4.61642	5.29638	5.49187	5.39191	5.65786
CNNM2	7.52206	7.01598	7.1431	6.36637	6.88337	6.72073	6.74777	7.81394	6.51353

RPEL1	4.13991	3.97116	4.1547	4.18322	4.89784	4.92681	4.26251	4.17162	4.18805
PDCD11	8.47055	8.63072	8.44359	8.58733	7.10839	7.71301	8.56544	7.64709	8.27358
NEURL1	7.07349	7.09253	6.92512	7.02443	8.23853	7.10273	6.91632	7.32393	7.46299
SH3PXD2A-AS1	7.928	6.71191	8.03257	8.21316	7.89513	8.45136	8.10824	8.368	9.53816
SLK	10.5556	10.7914	10.6179	10.2961	8.73579	11.4287	10.7768	11.3123	10.7429
SFR1	7.41677	6.75703	7.27962	6.14965	4.9909	6.14519	6.75754	6.53526	6.47873
GSTO1	6.37801	6.07294	6.68837	7.62642	6.48548	8.41155	7.78456	7.75486	8.24989
GSTO2	7.81681	8.05261	7.84451	7.07289	6.55998	6.64964	7.62838	6.96029	6.77414
CFAP58	5.06507	4.77495	5.04845	5.3919	5.76805	5.61381	5.65291	5.33705	5.28345
SORCS3	4.11334	4.22708	4.13206	4.09625	4.91706	5.10494	4.49958	4.35087	4.76437
ADD3	7.68429	7.71311	8.03746	5.93239	5.16419	5.00914	6.12875	5.62963	5.21941
MXI1	7.84485	7.62961	7.52543	7.1719	7.07663	8.2128	7.47729	7.32481	7.22898
DUSP5	7.59809	7.13463	7.12829	8.37405	7.87755	9.67276	9.00865	10.3957	8.70171
SMC3	9.14681	9.3347	9.31194	8.34748	5.3345	7.57381	8.75882	8.43808	8.19283
RBM20	5.53277	5.71273	5.77953	5.70683	6.85285	5.32827	5.55066	5.70156	5.93297
PDCD4-AS1	2.28125	2.06924	2.1156	2.90034	2.78731	2.5899	2.79581	1.99397	2.43481
PDCD4	9.05417	9.30646	9.48843	8.38502	4.50657	7.3705	9.02827	6.85904	6.90334
SHOC2	10.0326	9.94539	10.0552	9.41405	8.14728	9.92472	9.66862	9.89517	10.0815
MIR548E	3.40421	3.40339	3.34344	3.16204	3.76318	3.05301	3.58001	4.50998	3.9555
ADRA2A	7.07668	6.42682	6.82752	6.21186	6.01482	6.12955	6.08937	5.60556	5.63478
TECTB	4.33378	4.58357	4.64777	4.83593	5.58924	5.0566	4.75727	4.76904	4.86189
ACSL5	7.01333	5.85627	7.27966	6.42039	6.16897	5.54545	6.19513	5.8747	6.81377
VTI1A	7.7631	7.66325	8.02723	6.88332	6.35552	7.45581	7.44289	7.57193	7.65717
MIR4295	9.21656	8.40009	8.65246	4.91419	5.02679	4.21735	5.17694	7.66967	7.94577
HABP2	5.50143	5.65644	5.4119	5.71969	6.58709	6.3124	5.96598	5.6462	5.85633
NHLRC2	9.40036	9.43996	9.46509	8.18675	5.36998	7.09169	8.15691	7.92156	8.38585

ADRB1	5.60923	5.9808	5.95243	6.5038	6.2979	6.39075	6.12502	6.10685	6.43679
TDRD1	3.86949	4.17581	3.98065	3.88698	4.97774	4.48039	4.12086	4.06021	4.40438
VWA2	6.75692	6.64516	6.38404	6.82918	6.44523	6.79954	6.67504	6.73282	6.5768
TRUB1	6.55147	6.82642	6.60038	6.95663	4.45941	5.91769	6.98516	6.10918	5.83766
ATRNL1	5.4456	4.21901	3.96852	4.91291	5.11745	4.89562	6.21216	4.87593	5.34602
CCDC172	2.66683	3.01551	3.00082	3.29363	3.18836	4.00555	3.09094	2.94107	3.15375
PNLIPRP3	8.37385	8.15537	9.10544	10.5272	9.46466	11.3285	10.4317	11.2992	11.3038
PNLIP	4.79789	4.91654	4.44364	4.8801	5.4981	5.33198	4.74824	4.86381	4.53294
PNLIPRP1	4.96813	5.23679	5.16102	5.5097	6.09734	5.91303	5.25003	6.0832	5.40741
PNLIPRP2	4.46629	4.7779	4.55286	4.96998	6.01309	5.43671	5.07509	4.97536	4.80026
HSPA12A	4.56088	4.6747	4.90015	5.1826	4.76645	5.27414	5.25263	4.99866	4.88699
ENO4	5.29318	5.22205	5.23009	5.34023	5.60266	4.90007	4.88053	4.62274	4.81017
EMX2	6.99723	7.02655	6.60804	6.86013	5.59505	7.28321	7.42431	6.45045	6.74105
CASC2	5.36426	4.99802	5.66112	5.06188	5.96213	5.01341	5.26085	4.99702	5.08291
PRLHR	6.78888	6.82328	6.63013	7.53639	7.3924	7.9182	7.3627	7.42706	7.25573
NANOS1	7.08771	6.89569	7.00081	7.81327	7.29022	7.85254	7.74142	7.65574	7.83278
GRK5	7.59726	7.59691	7.98841	7.52332	7.27538	7.09761	7.58478	7.5274	7.63407
MIR4681	6.15686	6.0036	6.02539	5.95762	6.56073	6.01849	5.71464	5.38454	5.35559
TIAL1	5.16456	5.5187	5.27867	5.37009	5.17342	5.07803	5.80538	4.58325	5.16507
BAG3	8.61172	8.05103	8.27701	9.06139	7.51832	9.02349	9.39884	9.18211	9.33823
INPP5F	8.10966	7.88633	7.60969	7.04067	5.74326	6.17907	7.3365	7.62611	6.97133
SEC23IP	7.55805	7.36523	7.31354	7.22482	5.85711	6.58279	7.33289	6.85783	7.09965
MIR4682	7.08334	7.19266	7.36273	6.94816	8.11484	6.81024	6.58083	7.13415	7.28291
PLPP4	6.34071	6.77944	6.19489	6.51661	7.40546	6.1669	6.59892	6.54495	6.28049
WDR11	8.91681	8.76666	8.77909	7.91168	5.5558	7.55756	8.49056	7.80441	7.93237
BTBD16	6.99336	6.34641	6.12365	5.63776	5.91682	5.1277	5.7476	5.43906	5.5046

MIR3941	4.08826	5.07402	4.09433	4.23627	4.16889	4.24733	3.63979	4.0924	3.83686
ARMS2	5.90372	5.79529	5.79192	6.41553	6.59626	6.51186	6.16676	6.5621	6.33165
HTRA1	9.28836	8.96721	8.78947	8.96108	6.46909	7.49663	8.88471	8.6725	8.37797
DMBT1	5.56506	5.51383	5.58233	5.75344	6.38296	5.83183	5.56621	5.80314	6.08744
DMBT1P1	5.78996	6.53963	6.46726	5.96035	7.0798	5.62138	5.6024	5.7949	5.78944
LOC399815	4.92976	5.45784	5.03138	5.49223	5.15036	5.04965	5.26943	4.96074	4.98077
PSTK	6.14023	6.4168	6.41359	5.96665	5.84237	6.15719	6.51496	5.64444	6.04113
HMX3	5.19954	5.53193	5.56871	6.53203	6.71356	6.61566	5.87047	6.08844	5.94715
HMX2	5.83718	5.82183	5.5196	6.39789	6.26447	6.81921	6.35922	6.59391	6.31618
BUB3	9.58525	9.29057	9.41796	9.72222	6.66937	8.94676	9.7178	9.09263	9.54803
GPR26	5.83559	5.70772	5.76662	6.07207	7.05576	6.66332	6.23781	6.41382	6.11171
LHPP	6.6494	6.53569	6.3513	6.64358	6.14316	6.32137	6.61469	6.35504	6.31374
TEX36-AS1	4.71247	4.43054	4.49622	5.44141	5.13282	5.26622	4.6651	5.47257	4.98073
LOC283038	4.20522	4.31616	4.21808	4.75453	4.76369	4.44286	4.52377	4.76621	4.71307
EDRF1	7.70945	7.90538	8.04428	6.60589	5.73024	6.11214	6.80006	6.81393	6.86985
BCCIP	6.36356	7.06498	6.61075	6.79885	5.6452	6.50239	7.20331	6.216	6.48433
fank1	5.66009	5.94499	5.65211	5.73046	5.76696	5.84547	5.69139	5.71318	5.96384
DOCK1	9.59669	9.36717	9.45811	8.7537	6.90606	8.36356	9.06337	8.65572	8.86063
NPS	4.49435	5.33656	5.24127	5.7345	6.91593	5.89458	4.96894	5.384	5.31818
FOXI2	6.12514	5.97608	6.4119	6.4081	5.70283	6.91334	6.29517	6.47583	6.5601
MGMT	7.0828	6.97513	6.85784	6.87671	6.63976	6.73722	6.94461	6.5107	6.87147
GLRX3	8.72583	8.7079	8.6926	8.7772	7.50686	8.53435	8.88469	8.37298	8.9157
JAKMIP3	4.98331	5.22687	4.93458	5.74982	5.60768	6.34131	5.70321	5.74948	5.77949
DPYSL4	5.90051	6.0945	5.88054	6.89769	7.09437	7.60598	6.65171	6.49935	6.85941
LRRC27	6.16361	6.4462	6.22452	6.35891	6.5299	6.23702	6.26458	6.27083	6.32735
PWWP2B	5.38588	5.80062	5.88047	6.76822	5.61298	6.90374	6.40098	6.41939	6.06243

C10orf91	5.82051	5.80649	6.02285	6.54621	6.72237	6.46317	6.24339	6.50514	6.25558
LINC01168	4.08712	4.21068	4.27397	4.56822	5.98738	4.92874	4.40257	4.79996	4.5009
ADGRA1	6.22906	6.26271	6.22587	6.70613	6.8777	6.89014	6.38198	6.63859	6.55874
KNDC1	5.96315	6.14845	6.01125	6.45159	6.21456	6.68733	6.33494	6.48968	6.5447
UTF1	5.94077	5.73831	5.9513	6.73348	6.68753	7.08665	6.43709	6.40266	6.48281
VENTX	4.45263	5.38093	5.30072	6.1654	5.75317	6.62425	5.91693	5.83747	5.7418
ZNF511	6.6884	6.56264	6.64801	7.07635	7.66432	8.88319	7.54595	7.30687	6.59887
PRAP1	6.70135	6.82306	6.56987	6.95916	7.499	6.94898	7.00238	7.16458	7.32743
PAOX	6.65375	6.5435	6.40006	7.08856	6.90238	7.37267	7.1263	6.72137	6.92868
MTG1	8.01856	7.78259	7.8848	7.67902	6.85851	7.40455	7.46723	7.23236	7.71557
SCART1	5.9675	6.01867	6.1536	6.15956	6.44005	6.4416	5.69562	6.15156	6.2067
DIP2C	7.53034	7.66704	7.77754	7.57355	7.28657	7.59591	7.71567	7.00578	7.27805
IDI2	4.67137	4.9269	4.75767	5.27159	5.17327	5.19537	5.47509	5.09707	5.44582
IDI1	8.24856	7.55264	7.36801	7.95762	5.76846	8.33339	8.56774	8.08495	8.42581
LINC00700	4.41672	4.64579	4.49529	4.83772	5.59128	5.14885	5.04396	4.62345	4.77725
LINC00701	5.87034	6.16605	6.21014	6.69797	7.45903	7.58536	6.58456	6.91498	6.82852
PITRM1	8.57872	8.73559	8.53526	8.71347	7.05084	8.54004	8.60289	8.33045	8.80743
KLF6	10.6951	9.61107	10.158	10.0373	7.58712	10.1142	9.91983	10.2233	10.665
CALML5	11.2615	10.6241	10.6786	12.189	7.78473	11.0696	10.9771	6.4021	6.24234
ASB13	6.97514	7.25233	7.17748	7.25274	7.1296	7.08138	7.76813	6.8476	6.90564
GDI2	10.6162	10.5454	10.9393	10.4885	8.67623	10.3405	10.6107	10.8169	10.5425
ANKRD16	7.64489	7.63798	7.67661	6.86805	6.70762	6.54931	7.62505	6.56233	6.56152
SFMBT2	7.37723	7.2586	7.55524	6.83794	6.93071	7.02779	7.07671	6.85783	6.75716
LINC00710	3.82391	3.8154	4.01562	4.47456	5.57418	4.47742	4.48947	4.3341	4.61453
CELF2-AS2	2.95088	3.19129	3.25714	3.54815	3.82859	3.28026	3.54815	3.42155	3.51662
USP6NL	9.3967	9.30387	9.41225	9.11981	7.86349	10.0257	9.21706	9.58959	9.55128

PROSER2-AS1	4.5043	4.9527	4.59981	5.2282	5.43739	5.03216	4.44937	4.85746	4.78833
UPF2	7.99774	8.35926	7.87208	7.35461	5.24288	6.94852	7.70348	7.22304	7.08598
MIR548AK	2.22747	2.06654	2.95224	3.4969	3.09771	1.88086	2.94431	2.32093	2.81995
NUDT5	8.75798	8.71207	8.72747	8.04198	6.8152	8.0432	8.37469	8.047	8.45069
MIR4481	5.90459	5.04342	4.95507	5.28188	6.40883	3.55959	5.0122	4.30266	5.61825
MIR548Q	2.75908	2.52794	2.73932	2.35862	2.62675	2.36833	2.35751	2.26033	1.89592
CCDC3	6.92092	5.81058	6.7488	6.46005	6.15147	6.60259	6.33586	6.20624	6.43212
UCMA	5.49219	5.45648	5.53303	6.27124	6.99593	6.63487	6.20997	6.24254	6.08105
PHYH	7.17689	7.34073	7.40337	6.72621	5.40111	6.11721	6.75922	6.28214	6.6669
SEPHS1	8.94531	9.2441	9.06009	8.82936	7.78451	8.45027	8.92106	8.49408	8.67038
BEND7	5.82196	5.36585	5.8881	5.66932	5.88248	5.38043	4.97192	4.93982	4.96861
FRMD4A	7.47671	7.10523	7.28526	6.49712	6.51554	6.53174	6.63845	6.41145	6.82892
MIR4293	6.6513	6.61608	6.61957	6.9186	7.72676	6.73317	6.71123	7.07189	6.64264
CDNF	7.86113	8.18341	8.15221	6.12463	7.04684	6.23551	6.57318	6.03849	6.18844
DCLRE1C	7.30052	7.58234	7.02263	5.79429	4.94834	6.63309	6.33414	6.04998	6.24376
ACBD7	4.65782	4.34778	4.40892	4.49079	4.40101	4.72379	4.29471	4.19982	4.47449
NMT2	7.18269	7.76999	7.14248	6.35078	6.04804	6.59163	7.18273	6.49732	6.27953
PPIAP30	7.84953	8.10891	7.85678	7.30225	7.25359	7.77058	7.46143	7.83187	7.56588
RSU1	11.0906	10.7968	11.1381	10.4991	10.3604	10.3582	10.7228	11.0075	10.9823
CUBN	6.23981	6.13883	6.43533	5.54047	6.24892	5.58222	5.37987	5.70897	5.62565
TRDMT1	6.72037	6.31543	7.08993	5.61289	6.05977	5.19693	5.6885	5.79389	5.67151
SLC39A12-AS1	3.74977	3.28644	3.59823	4.0023	4.96228	4.17033	3.83476	4.00912	4.01499
NEBL	8.28225	7.97347	7.96038	7.37586	6.35008	7.03888	7.20636	7.70282	7.37798
C10orf113	6.59579	6.26037	6.69763	4.28645	4.01387	4.44283	4.36765	5.11297	4.11817
CASC10	4.89757	4.95704	4.82209	5.92633	4.51056	6.04716	5.68339	5.57721	5.34119
skida1	5.76997	5.89043	5.76598	6.01323	6.31781	6.32147	5.62157	5.89771	5.84119

EBLN1	3.28742	3.45646	3.44469	4.07998	4.93554	4.55807	3.62762	4.01493	3.9684
LOC100499489	5.66398	6.18359	5.9503	6.53854	6.55044	6.37849	5.88706	6.22509	6.28083
c10orf67	4.01015	3.88203	3.50728	3.52515	3.79799	3.67996	3.78124	3.32339	3.51817
ARHGAP21	8.23253	7.43429	8.34554	7.62291	5.56043	8.50464	7.97461	8.73974	9.36114
PRTFDC1	7.02842	6.64439	6.15887	6.83716	5.45076	5.6674	6.26209	5.91497	5.70352
ABI1	10.391	10.074	10.3733	10.5119	9.33174	10.6392	10.6785	10.8024	10.8782
LINC00202-1	7.21169	7.45154	7.43067	7.11065	7.33185	6.91901	7.16043	7.1091	7.37379
ANKRD26	7.19257	7.35207	6.90874	5.99094	5.48806	6.00829	6.34869	5.45311	5.98076
YME1L1	10.9963	10.5764	10.6606	10.1935	8.81744	10.3574	10.6474	10.3522	10.5646
ACBD5	7.66876	7.94225	7.71253	7.37896	5.44715	7.48123	7.58929	6.29935	6.94735
PTCHD3	5.11694	5.57553	5.62965	6.08011	5.9243	5.27345	6.36839	4.9991	5.14315
MKX	6.20789	5.83982	6.14556	5.63636	6.34625	5.54814	6.11601	5.93256	5.77065
ARMC4	4.63907	4.88318	4.52782	4.71137	5.35313	5.18449	4.99284	4.71851	4.9554
WAC-AS1	6.8905	7.3786	7.02162	6.64775	5.94253	6.24714	7.46825	6.25418	7.11776
LINC00837	4.23962	4.59286	4.42733	4.6943	5.40661	4.70417	4.85387	5.20452	4.77242
svil	9.00239	8.47107	8.30143	7.77297	6.49445	8.06735	8.28366	7.92013	8.41591
MIR604	9.68353	8.72039	8.79027	7.1517	7.69283	5.62491	6.68155	7.59251	8.04136
MIR938	6.83709	5.50799	5.92762	4.51456	4.09846	4.66247	4.73077	5.85532	6.1513
KIAA1462	7.02719	6.75904	7.01581	6.27986	5.58609	6.26283	6.67469	6.97416	6.61008
MTPAP	8.38091	8.43174	8.76964	7.39722	5.8037	6.51192	7.79801	6.30822	7.08352
ZNF438	7.08409	7.01599	7.18701	5.24748	4.92507	5.26935	6.12941	5.86351	6.26902
ZEB1-AS1	6.10056	6.07152	5.99148	6.46396	6.3082	6.19779	6.13211	5.88688	6.18888
KIF5B	11.6125	11.5065	11.5053	11.2352	8.31183	11.2904	11.5625	11.7135	11.9521
EPC1	7.99834	7.87597	8.05787	6.39903	4.98425	6.7031	7.14703	6.21185	6.77486
NRP1	9.11844	8.75883	9.0741	8.08915	7.35175	7.12782	8.07024	7.94512	8.17026
LINC00838	3.9809	4.16764	4.53027	4.89971	6.04509	5.28624	4.74103	5.29503	4.74654

PARD3	10.0797	10.2859	9.92371	9.12521	7.63367	9.68268	9.46372	9.35386	9.28303
CUL2	8.71579	9.11147	8.80021	8.63577	6.10222	7.84714	8.80924	8.3608	8.47547
FZD8	6.62106	7.33439	6.869	6.85621	6.75846	7.14625	6.96959	6.86775	6.85152
NAMPT	9.37611	9.61963	9.50255	9.84423	10.2581	11.9115	11.2999	11.0776	10.2865
MTRNR2L7	4.34227	4.11169	4.43242	4.31879	5.00074	4.77513	4.74284	5.08497	4.42799
ZNF248	5.60582	5.66244	5.90968	5.26289	5.78788	5.64234	5.46539	5.34719	5.41191
ZNF25	7.27424	7.43469	7.72435	5.74674	5.53588	4.88792	5.93447	5.25324	5.68331
SEPT7P9	4.54069	4.31315	4.62881	4.5702	4.48543	4.94591	3.83879	4.02977	4.06872
LOC441666	3.713	4.17295	3.47251	3.3329	5.08326	3.86559	2.88541	3.57135	2.585
ZNF33B	7.95427	7.96604	8.44331	6.13904	5.65506	6.4928	6.54293	6.27846	6.48098
HNRNPF	8.04291	8.24217	8.01097	8.69162	6.48126	8.05567	8.49117	7.80487	7.9756
ZNF239	4.86083	4.87869	5.03208	5.4993	5.35735	5.85741	5.1339	5.29441	5.64833
ZNF32	7.18292	7.50045	7.45598	6.88149	6.99845	7.02153	7.15722	7.20699	7.02781
HNRNPA3P1	4.05586	3.92728	4.2367	5.10929	3.96093	4.11764	5.59614	3.99892	3.98244
CXCL12	8.65155	8.41424	8.69546	7.55981	7.0961	7.26913	7.30171	6.78547	6.91251
C10orf25	5.77785	5.52892	5.60852	5.3906	5.9079	5.88851	5.94409	5.52453	5.67941
RSU1P2	4.08652	4.70809	4.59501	4.24769	5.56252	4.09933	4.05538	4.40405	4.20493
SYT15	6.38528	6.94033	6.83775	6.3568	6.31112	6.26239	6.30255	6.03731	6.42481
LINC00842	7.82368	7.52936	6.89695	5.63948	6.81151	5.00411	7.11321	6.09594	6.51644
HNRNPA1P33	7.49014	7.41609	7.45021	7.28519	5.43732	7.74164	8.14167	6.97864	9.09267
ANXA8L1	10.2397	10.3479	10.5713	10.4164	9.60033	10.9934	10.9436	10.9249	11.2979
LINC00864	5.13406	4.97676	5.3052	5.39432	7.22552	5.65427	5.31462	5.67335	5.44288
GDF2	5.32241	5.54006	5.34212	6.22976	5.62642	6.11617	5.52061	5.88805	6.27707
GDF10	6.1245	6.2303	6.13881	6.08571	6.22224	6.39237	6.44329	6.30427	6.14661
FRMPD2B	5.96936	6.11092	6.16819	6.32072	7.5235	6.4188	6.63293	6.33735	6.03337
AGAP12P	9.54671	9.63364	9.89851	8.65393	8.60271	8.15873	9.26869	9.04398	9.01215

FRMPD2	5.65122	5.72939	5.76061	5.96819	7.00164	5.56005	5.81087	6.0928	5.89568
ARHGAP22	5.07188	5.37402	5.32981	5.34436	6.08139	5.36864	5.53059	5.8468	5.64915
LRRC18	4.94664	5.25644	5.15126	4.94664	5.61485	4.92035	4.34831	5.03279	5.10801
MIR4294	6.45751	6.71426	6.90412	7.27532	8.59075	7.12761	6.88282	7.17689	7.19673
DRGX	4.68881	5.72343	5.12352	5.60919	5.87412	5.89343	5.52285	5.48281	5.49907
OGDHL	5.42768	6.08036	6.04419	6.54756	6.81861	6.29498	6.115	5.84334	6.35547
TIMM23	10.1023	10.1283	10.101	10.0263	7.6023	9.03198	10.6503	9.45378	10.1124
FAM21EP	5.15592	5.44606	5.25363	5.04543	5.91389	5.49811	5.6201	5.26649	5.24273
ASAH2	5.49209	6.14698	5.98882	6.30973	6.54889	5.79242	5.22807	5.94169	5.66886
SGMS1	9.68263	9.75317	9.30749	8.68938	6.6086	8.16133	9.09802	7.69948	8.35553
A1CF	4.18521	4.29481	4.28389	4.42982	5.34968	4.52465	4.67469	4.61299	4.62905
PRKG1-AS1	3.08745	3.21463	3.39951	3.54713	3.57821	3.9528	3.53077	3.54321	3.47401
PCDH15	4.25285	4.31693	4.31769	4.82678	5.34284	5.1278	4.77885	4.68894	4.54621
MIR548F1	1.74027	2.08043	1.61746	1.93483	1.86054	1.84735	2.21678	1.8201	2.26895
ZWINT	5.66207	5.49047	5.84301	6.01838	5.52532	6.15883	6.06894	5.98991	5.84382
MIR3924	2.19605	2.5201	1.94895	2.08173	2.27392	2.33357	2.33972	2.08538	1.90935
IPMK	8.63709	8.70309	9.11592	8.89436	6.20497	9.90021	9.02194	9.15792	8.61294
CCDC6	11.3232	11.1151	11.4532	10.7928	9.92678	10.3829	10.8197	10.8675	10.9306
LINC01553	3.42339	3.4761	3.3756	3.91797	4.38273	3.9749	3.09217	3.32981	3.613
RHOBTB1	7.01322	6.62732	6.7279	6.4609	6.54589	6.5559	6.92823	6.24318	6.1255
TMEM26	4.71306	4.3788	4.49071	5.22333	5.90402	4.82249	4.99472	4.54873	5.15541
RTKN2	4.61818	4.44634	4.87435	4.8801	4.42355	5.72214	5.59921	4.84404	4.84098
EGR2	6.59916	5.96811	5.72015	6.40539	6.32845	6.60485	6.14957	6.11214	6.10157
JMJD1C	9.53628	9.49313	9.25111	9.03874	8.75687	9.99416	9.16269	10.7047	10.2493
MIR1296	7.17796	7.36233	7.39045	7.07583	6.62902	7.11988	6.70476	7.22243	7.43315
HERC4	8.6769	8.78399	8.55855	8.72732	6.35997	8.83334	8.80535	9.3168	9.85943

ATOH7	4.40914	4.39046	4.62847	4.58125	4.65557	4.4613	4.52397	4.64715	4.60104
pblid	7.01247	6.77684	7.32417	6.28807	6.9187	6.55631	6.3887	5.8112	6.31846
RUFY2	8.70425	8.97091	8.92744	7.66345	6.72573	7.36609	8.234	7.83684	8.06925
DNA2	6.08458	5.90119	5.90544	5.83897	5.34521	5.59749	5.94282	5.84363	5.47256
tacr2	6.44552	6.27986	6.30409	6.74582	7.49125	6.80612	7.332	6.80773	6.91302
NEUROG3	5.76258	5.67687	5.62134	6.42776	6.5454	6.39248	6.22651	6.23198	6.28835
TYSND1	7.12044	7.28586	7.0882	7.62236	7.34542	7.18451	7.3782	7.08167	7.13177
SAR1A	9.59832	9.30099	9.74018	9.58682	7.94672	9.33638	9.8121	9.85623	9.67925
PPA1	8.82857	8.69288	9.00463	8.30296	7.42969	8.69109	9.2842	8.47484	8.60434
NPFFR1	5.38019	5.1394	5.40921	5.61179	6.11489	5.78456	5.9169	5.80059	5.6288
LRRC20	7.09483	6.93488	6.96092	7.93665	8.29625	7.80752	7.58944	9.4533	8.47273
PRF1	5.75458	5.7968	5.7364	6.26041	5.82704	6.68846	6.32354	6.24445	6.02781
PCBD1	6.89484	6.71523	6.92963	7.24815	5.49274	7.22729	7.3133	6.85413	7.41465
UNC5B-AS1	6.0883	5.4934	5.30422	6.77376	5.30179	6.54062	6.07907	6.10469	6.42432
c10orf105	5.59614	5.30565	5.56817	6.76088	5.52268	6.58536	6.44415	6.63539	6.22179
c10orf54	7.15252	7.44908	7.47614	7.93311	6.43399	8.13517	7.98784	8.38294	7.48417
PSAP	10.7645	10.5956	10.8538	10.8859	7.7501	10.5811	11.0875	10.9283	10.8034
ASCC1	7.56691	7.16528	7.47498	7.3106	6.69708	7.17496	7.40817	7.1632	7.02436
MICU1	8.39176	8.41578	8.03267	7.22405	6.23836	7.33709	7.0609	8.23755	7.89919
ecd	9.58255	9.8743	10.044	8.98692	6.71235	8.91279	9.46834	8.5951	9.42673
CFAP70	6.32967	6.40415	6.50352	5.30399	6.13327	5.21964	5.19872	5.27984	5.75263
ANXA7	9.26247	9.01044	9.4616	9.11352	6.36938	9.1244	9.89588	8.86358	9.35275
MSS51	7.05281	6.77876	6.93206	5.90298	6.33931	6.13802	5.3834	5.77785	6.04648
USP54	8.19717	8.15459	8.09345	7.19568	8.25565	7.49359	8.16199	8.17546	7.52483
MYOZ1	6.97452	5.80806	6.0825	5.96126	6.60927	5.86792	5.47536	6.57872	6.73282
SYNPO2L	6.63816	5.93386	5.13031	6.41258	6.1199	6.07712	6.30141	9.42996	7.93199

BMS1P4	6.83376	7.15932	7.20933	5.37749	5.20242	4.96699	5.32885	4.92772	5.7075
ZSWIM8-AS1	7.02306	6.74045	7.01562	7.27325	6.27919	7.76845	7.74146	6.50594	6.97882
NDST2	8.55118	8.48087	8.44552	8.07575	7.20684	7.51666	8.64711	8.01465	8.27049
DUPD1	5.31813	5.50799	5.16641	6.16412	5.6237	6.61597	6.39014	6.06303	6.02968
DUSP13	6.0659	6.12819	6.03636	6.70613	6.87309	6.56891	6.32914	6.62701	6.80809
COMTD1	6.37644	6.01062	6.19573	6.87132	6.07189	6.89715	6.80303	6.81051	6.82109
ZNF503	7.01703	7.56422	7.18853	7.88869	6.66222	7.69819	7.52977	6.97309	7.42382
ZMIZ1-AS1	6.62902	6.62233	6.76689	6.60001	6.83325	6.35674	6.20957	6.34948	6.47188
SFTPA2	5.50428	6.01299	5.46627	5.85766	5.76698	6.19332	5.31545	5.91502	6.16194
SFTPD	6.54932	6.62563	6.59481	6.36691	7.47014	7.16947	7.1138	6.48101	6.80163
TMEM254-AS1	5.89732	5.66765	5.54265	4.61652	4.63113	5.07343	5.02936	4.7292	5.16759
ANXA11	7.67438	7.7325	7.90622	7.80313	8.10366	8.60358	8.33013	9.12697	8.52383
DYDC1	2.7537	3.08759	2.97377	3.26856	3.00431	3.17064	3.27402	2.85139	2.98527
MIR346	7.70374	7.94724	7.84403	8.78749	9.19974	8.52459	7.97026	8.38584	8.65351
WAPL	9.26323	8.99232	8.82294	8.44495	6.33716	8.16503	8.68383	8.30861	8.39503
MMRN2	6.76042	6.90378	7.14447	6.43126	5.94315	7.2429	7.27291	7.517	7.43022
GLUD1	8.0353	8.14804	8.4115	7.17821	5.55858	6.22056	6.8131	7.49124	7.57405
NUTM2A-AS1	7.61499	7.1595	7.36892	5.9846	5.37267	5.525	5.96005	5.96102	5.87395
ANKRD22	9.0753	9.22744	8.8669	9.64706	9.88351	10.8172	9.88761	11.3707	10.3481
FAS-AS1	5.06012	4.47292	4.29635	4.63824	4.8599	4.93897	4.7827	4.39269	4.65566
MIR4679-1	2.46593	2.31437	2.10541	2.03869	1.69303	3.2148	2.24571	1.88674	1.91831
CH25H	7.09207	6.17933	5.52043	6.18633	6.52045	5.58989	5.47566	5.42652	5.38173
PANK1	6.73363	6.97937	6.94498	6.50048	6.11636	6.13917	7.16059	5.97295	5.72924
FLJ37201	4.87887	5.21132	5.09901	5.16295	5.73613	5.11256	5.12467	5.51591	5.02703
ANKRD1	4.65116	4.64751	4.74081	5.31674	5.41281	5.21645	5.53027	5.30066	5.22788
NUDT9P1	4.35253	4.66038	5.04268	3.43379	5.90752	3.06252	3.43823	3.72137	4.07138

HECTD2-AS1	5.23051	5.35943	5.76361	5.62458	5.63504	6.56176	5.47769	5.21704	5.89286
FGFBP3	4.8776	5.22227	5.21947	5.51143	5.52432	5.79821	5.63713	5.29767	5.08417
cpeb3	7.33242	7.13886	6.86683	6.44808	5.80143	6.23718	6.45127	6.53854	5.71303
IDE	12.3142	12.3944	12.0698	11.5352	8.72666	9.72786	10.3271	9.54761	9.90207
MYOF	11.2724	11.3978	10.9445	10.2413	7.37894	9.37402	10.3445	10.1134	10.3288
PLCE1-AS1	4.91858	4.84936	5.05452	4.94249	5.27942	5.27707	4.89402	5.14817	4.89014
NOC3L	7.49412	7.68203	7.58425	6.92662	4.95742	5.93759	7.07697	5.93036	6.48791
PDLIM1	10.5525	9.79725	10.0859	10.6057	9.3563	10.4355	11.2455	10.5506	10.8543
sorbs1	7.84507	7.98797	8.66609	6.44173	7.31424	6.09451	6.67388	7.73607	7.25868
TCTN3	9.002	8.73181	9.22448	7.99028	5.99352	6.56257	8.32191	7.10226	7.83677
ENTPD1-AS1	6.14502	6.17018	6.06503	5.30353	5.32297	5.35845	5.37327	4.97937	5.20365
MIR3157	6.49909	6.31572	6.27987	6.1002	7.46352	6.20898	5.88157	6.02196	6.47521
BLNK	8.9187	9.0093	8.4858	9.74337	8.3629	9.99442	9.58403	9.65954	10.3893
OPALIN	5.30638	5.37106	5.54002	5.97667	6.70407	5.6774	5.62287	5.99666	5.67055
TLL2	3.83125	4.73477	3.75518	5.18301	4.43722	4.36808	4.04366	4.14155	4.14169
TM9SF3	11.1061	10.7998	11.2615	10.7826	8.74436	10.6725	10.8464	10.6933	10.8435
pik3ap1	6.51869	6.27146	6.69829	6.63042	7.20714	7.33678	6.60665	6.80625	6.91685
MIR607	2.35915	2.5266	2.43916	2.88733	2.55155	2.70573	2.64332	2.72522	2.63512
SLIT1	6.22672	6.32851	6.07597	6.32977	6.52635	6.28207	5.99093	6.06831	6.15657
FRAT2	6.89601	7.11131	7.14944	7.15974	6.71491	7.94035	7.38757	7.28052	6.93261
RRP12	8.03029	7.87058	7.7222	8.06838	6.50459	7.86133	8.43907	7.52735	8.21237
EXOSC1	8.36224	8.12506	8.25232	8.41399	7.49762	8.14712	8.28154	8.49489	8.60897
MMS19	8.40354	8.37535	8.3502	7.90913	6.39929	7.63617	7.84319	7.66702	7.6225
MORN4	6.20834	6.06326	5.82113	5.96109	6.07098	5.60972	6.06801	5.31086	5.0558
AVP11	9.98515	9.33781	9.52108	9.68237	9.39911	10.2533	9.41057	10.6754	10.0253
SFRP5	6.0105	6.42409	6.0837	6.93797	6.59966	6.80719	6.81582	6.48735	6.73062

CRTAC1	6.61297	6.45904	6.72409	6.77266	6.34411	7.23609	6.50099	6.57435	6.30588
LOXL4	5.46116	5.70029	6.05556	6.25514	6.14018	6.08813	6.20388	6.17334	6.19767
PYROXD2	6.60232	6.52577	6.42344	6.15891	6.40095	6.0842	5.65367	6.17276	6.19746
HPS1	7.41921	7.1121	7.39006	7.27432	6.37506	7.37936	7.37097	7.21895	7.5194
HPSE2	5.46574	7.22549	6.47084	5.40465	5.47703	5.89787	5.17026	5.51057	5.14855
ERLIN1	9.5175	9.64037	9.03569	9.38513	6.05961	8.80055	9.31041	8.87057	8.70056
CHUK	7.42276	7.66477	7.76866	7.85852	6.10109	7.26936	7.96049	7.67307	7.69384
PKD2L1	5.64364	5.63128	5.7032	6.27793	6.72528	6.38969	6.0423	6.27726	5.95645
SEC31B	7.14671	7.16655	6.68996	5.93292	6.10639	5.83324	5.76027	5.88239	5.95936
MRPL43	6.92585	7.06739	7.0189	7.09269	6.03728	6.43304	7.25253	6.28615	6.55777
PDZD7	5.90872	5.82479	5.76869	6.14289	6.13458	6.31441	6.24232	6.28012	5.94517
TLX1NB	5.63894	5.59751	5.77571	6.33401	6.68536	6.62723	6.15775	6.15555	6.18148
LBX1	4.71076	4.64416	4.4945	5.22701	4.36012	5.51209	5.01464	5.29174	5.06217
FBXW4	7.05349	7.11561	6.82829	5.69448	5.89312	6.29945	7.01569	6.44809	6.17344
FGF8	5.39881	5.28657	5.66701	6.44932	6.26435	6.68913	5.67319	6.52793	5.85339
NPM3	6.36296	6.44296	6.5151	7.44051	5.09781	7.05628	7.10131	6.6409	6.61384
MGEA5	10.596	10.6975	10.7321	9.48717	7.68465	9.28762	9.29472	10.593	9.90676
c10orf76	9.6294	9.34377	9.06145	8.86778	5.80779	8.36588	9.13915	8.41239	9.16357
LDB1	10.6419	10.7864	10.5931	9.77949	8.33642	9.3073	9.80147	9.58389	9.43951
PITX3	6.44761	6.38373	6.18893	6.89915	7.32485	7.54716	6.74185	7.06243	6.97994
PSD	6.33451	6.22856	6.49893	6.79881	6.85978	6.71937	6.88694	6.67271	6.63332
CUEDC2	7.33112	7.26187	7.15968	7.43577	6.09858	7.37587	7.64332	7.2587	7.02378
ARL3	7.20653	7.72589	7.40244	7.80859	6.84147	7.17801	8.13718	7.63147	7.22907
PCGF6	7.03891	6.80963	7.08504	6.41953	6.07051	5.9182	7.16349	6.00123	5.50889
USMG5	7.16314	7.02364	7.39338	7.8994	7.57903	7.64993	8.55805	7.65741	7.95375
CALHM2	6.48129	6.52236	7.23374	7.05652	6.37736	7.10701	6.83288	6.57526	6.87345

calhm1	5.6553	5.92619	5.65895	6.11439	6.52203	6.0467	5.63	6.01698	5.98202
calhm3	5.72675	5.79061	5.86316	6.6708	6.0961	6.84715	6.19217	6.2797	6.0899
SH3PXD2A	8.99214	8.44015	8.47814	7.91977	6.04845	9.40139	8.35736	9.27773	9.07316
STN1	6.8517	6.44968	6.98046	7.15996	6.03494	7.50783	7.74143	8.55091	7.08646
Cfap43	4.67054	4.5892	4.60077	4.07211	5.54642	4.30185	3.85763	4.38247	4.15556
MIR609	5.06588	5.02527	5.52046	5.31413	5.71578	5.36534	5.29192	5.48163	5.64434
MIR4482	6.93476	6.54408	6.50504	6.43049	6.56433	6.11071	6.05125	7.00061	6.68935
SORCS1	5.20619	5.7996	5.58213	5.20666	6.02994	5.27378	5.09371	5.50587	5.2627
ADD3-AS1	6.24494	6.14275	6.63009	6.5521	7.70297	6.79381	6.88415	6.72384	6.92307
SMNDC1	8.44196	8.63631	8.26682	8.0579	6.56499	8.27712	8.20021	7.83232	8.31592
BBIP1	7.26911	7.0027	7.44214	7.05936	6.41216	6.66408	6.82938	6.57637	6.89421
RPL13AP6	4.61206	4.59053	4.5533	4.46802	3.93893	5.25309	4.62919	4.36786	4.81451
NRAP	5.24352	5.12724	5.02552	5.58446	6.02791	5.73023	5.17319	5.52095	5.64088
MIR4483	1.79894	2.26133	2.06747	3.31763	1.86018	2.7619	2.51019	2.15509	1.70304
DCLRE1A	5.75888	6.02789	5.57919	5.48852	5.09711	4.79323	5.79534	4.56721	5.34518
CCDC186	9.75811	9.72331	9.55116	8.65491	6.82879	8.7651	8.8215	9.58085	9.34153
AFAP1L2	7.38115	6.84496	6.86935	7.54872	5.33883	7.33825	7.50181	7.29484	7.36269
ABLIM1	10.4304	10.0609	10.2407	10.0732	9.6358	10.1002	10.0597	10.082	10.5057
GFRA1	7.07224	7.06927	8.0693	6.88789	7.05724	6.94903	6.38728	6.54448	6.43481
SHTN1	8.64772	9.01538	8.60157	8.22527	7.39864	7.89691	8.60872	7.71025	8.72032
VAX1	4.89916	5.15398	5.35059	5.6547	6.042	6.03488	5.96354	6.01059	5.61236
MIR3663	4.45279	4.30847	4.24133	4.38583	4.98115	4.69222	4.80325	4.54395	4.7013
PDZD8	8.0745	7.9459	7.90832	7.52564	7.57931	8.934	8.74925	9.42915	8.24266
EMX2OS	6.46364	6.20863	5.96032	6.68914	5.7893	6.94663	6.59482	6.01914	6.63034
RAB11FIP2	8.4487	8.7924	8.45296	7.56506	5.56657	6.75336	7.91665	7.0923	7.52973
SFXN4	7.47526	7.74895	7.89023	7.31348	6.59258	6.64626	7.50006	6.50747	6.71649

PRDX3	8.95968	9.45634	9.31219	9.09128	6.87139	7.98895	9.09786	8.35183	8.48824
RGS10	6.75118	7.17502	6.71052	7.66037	6.81781	7.70103	7.876	7.91353	7.5564
MCMBP	8.89152	9.00824	9.23037	8.55502	6.55885	8.03828	8.80771	8.12019	8.42387
WDR11-AS1	5.32781	5.19613	5.14374	5.77559	6.5843	5.63829	5.47682	5.66747	5.61132
FGFR2	9.43876	9.854	8.92889	7.56326	7.06723	6.51304	7.59027	6.56599	6.04214
ATE1	8.47619	8.21433	8.22159	7.55387	5.87763	6.9234	8.10093	6.77804	7.59499
NSMCE4A	7.95364	8.1634	8.00874	7.32291	5.94194	6.50428	7.61554	6.22755	6.14623
c10orf88	8.56433	8.93878	8.41735	7.52934	6.46393	6.86697	8.30601	7.42139	8.14568
CHST15	8.3798	8.23264	8.1889	9.24954	8.00466	9.16129	8.94725	9.34397	9.84982
OAT	8.03302	8.02425	7.99532	8.34092	5.7636	7.23994	8.03817	6.74177	6.86983
NKX1-2	6.91877	6.91653	7.09286	7.66913	7.53873	8.1134	7.43837	7.8495	7.76721
METTL10	8.12497	7.8374	8.17642	7.09325	5.81078	6.90447	7.52149	6.81543	6.74112
CTBP2	6.65559	6.35229	6.36994	6.68806	6.42061	6.38944	6.57539	6.71315	6.56039
TEX36	4.45322	4.36886	4.52703	4.64882	6.00126	5.08939	4.90435	4.97979	4.99822
mmp21	5.15163	5.59045	5.3326	5.2786	5.73851	5.40375	5.4552	5.26858	5.34437
UROS	7.34927	7.34217	7.30163	7.37676	6.4215	6.51081	7.19446	6.2689	6.76455
DHX32	9.04359	9.09411	9.00609	9.45645	7.07321	9.55102	9.63028	8.85067	9.35806
ADAM12	6.8405	6.02179	5.9057	7.49383	6.23361	6.72898	6.55295	6.70731	6.98908
C10orf90	4.60291	4.6942	4.60088	4.45916	4.69188	4.85125	4.46464	4.49416	4.32514
clrn3	3.62827	3.68619	3.63087	4.23915	5.21692	3.98312	3.84632	3.87655	3.81211
MKI67	8.35802	7.49593	7.46113	7.85358	6.94783	7.23596	7.4582	7.85756	7.59082
EBF3	7.19609	6.65768	7.23749	5.58668	6.01937	6.17762	5.80419	6.09933	5.7083
MIR4297	5.62824	5.6273	5.94839	6.06316	7.70394	5.96333	5.68292	6.48415	6.43131
LINC00959	5.95856	5.89679	5.90765	6.04267	6.02036	5.47762	5.94879	5.94879	5.96851
MIR378C	3.32297	4.3401	3.23273	4.14304	3.48648	4.72133	3.94316	4.34789	3.8567
TCERG1L	4.81536	5.30077	5.12275	5.2957	6.05106	6.53506	5.82585	5.56679	5.9163

LINC01164	5.72055	5.99896	6.09274	5.98726	6.41002	6.10059	5.95469	6.20416	6.24097
BNIP3	9.46498	9.33467	9.24978	11.4481	12.0665	12.3744	11.4515	11.843	11.3808
STK32C	6.57519	6.59626	6.50767	6.85215	6.73837	6.87968	7.13192	6.6543	6.49498
nkx6-2	6.17055	6.48425	6.38891	7.15345	6.58982	7.8243	7.05791	7.44806	6.957
CFAP46	5.57498	5.56895	5.56447	5.91729	5.8703	6.2063	5.86192	6.00576	5.9321
mir202	3.56066	3.33593	3.62473	4.01751	3.76298	3.98705	4.32042	3.81071	3.76313
ADAM8	6.19634	6.17483	6.2763	7.03613	6.9475	7.88086	6.81617	7.66356	7.1748
CALY	6.56376	6.55307	6.62438	7.31185	7.70066	7.39218	7.04893	6.889	7.2351
FUOM	6.00221	6.21433	6.14922	6.74881	5.29127	7.33005	7.01152	7.30445	6.94091
MIR3944	6.92278	6.8088	6.6759	7.58556	8.01611	7.42269	7.40562	7.17097	7.00406
SPRN	6.06933	6.20989	6.21568	6.15494	6.69016	6.84872	5.71773	6.6813	6.60524
SPRNP1	4.59954	5.07909	4.7793	5.20032	4.94834	5.98643	5.39861	5.20032	5.30117
MIR1324	4.95303	4.83377	4.75982	5.32082	7.16761	5.49642	5.02444	5.11028	5.11276
ODF3	5.60561	5.80529	5.91768	6.30278	6.21263	6.60595	6.13866	6.5273	5.91826
BET1L	4.99758	5.55707	5.5278	6.25463	6.09181	6.10015	6.65669	5.40779	5.82803
RIC8A	6.84638	6.63308	6.69266	7.98584	6.89943	7.41138	7.46735	7.37179	7.645
IFITM2	8.52594	7.1114	8.82484	8.48276	8.20074	8.30324	8.48455	8.08992	8.56656
ifitm1	10.1502	9.09729	9.44477	9.27905	7.50286	8.04358	9.78778	8.8936	9.22908
PKP3	8.59415	8.43732	8.30265	9.76569	8.69405	10.5131	10.1834	8.86739	9.58407
ptdss2	6.48135	6.46221	6.31153	7.1335	6.54639	7.78647	7.35898	7.38434	7.3446
LRRC56	6.35989	6.44218	6.47139	7.05333	7.22422	7.28837	6.66501	6.90888	6.93131
RASSF7	6.18843	6.18408	6.09551	6.90979	6.7143	7.36837	6.97546	6.7224	6.63731
PHRF1	7.82614	7.74858	8.02677	7.65926	7.22212	7.72419	7.80126	7.95186	7.76725
DRD4	5.76911	6.38078	5.97334	6.92171	6.15202	6.81651	6.53141	6.38712	6.77289
EPS8L2	7.7099	7.74839	7.47954	8.23958	7.27057	8.72958	8.33873	8.09873	8.29274
TMEM80	7.52525	7.97089	7.53515	7.56793	7.07779	8.39997	7.33195	9.45983	8.88675

TALDO1	7.53262	7.72848	7.43861	8.09969	6.94344	8.22345	8.29594	7.95043	7.97867
PNPLA2	7.95211	7.74467	8.11014	8.56625	7.40489	7.94564	8.26865	8.31731	8.03053
cracr2b	6.1317	6.23038	6.1573	6.6639	6.35456	6.89269	6.47064	6.42533	6.32953
CD151	8.62795	8.43372	8.69931	9.23614	7.89247	9.14705	9.36165	9.24424	9.43378
TSPAN4	6.68884	6.42972	6.83581	7.10005	7.27628	7.37543	6.87097	7.13766	7.09867
TOLLIP-AS1	6.80837	6.92755	6.71998	7.43605	7.43656	7.27225	7.15964	7.06157	7.22708
BRSK2	6.46078	6.59411	6.62867	7.05003	7.11488	7.28377	6.98348	7.0686	7.08976
KRTAP5-AS1	6.10191	6.48268	6.0677	6.96045	6.78606	7.03511	6.61173	7.3614	6.99734
Krtap5-5	5.46565	5.55741	5.30878	6.71991	6.87723	6.39346	6.37111	6.03458	6.02166
KRTAP5-6	6.51101	6.48157	6.79748	6.49997	7.79453	6.53827	6.38426	6.82569	6.68451
syt8	6.63874	6.37449	6.65268	7.0617	6.81952	7.01132	7.14771	7.02792	6.95748
LSP1	6.46937	6.34822	6.81832	7.01943	7.27132	6.5168	7.1586	6.94038	7.12833
MRPL23	5.86525	5.94155	6.07291	6.65062	5.90265	6.71504	6.57218	6.06359	6.20623
IGF2-AS	6.16988	6.0836	5.98824	7.19196	7.23235	7.70047	6.98209	6.91313	7.30649
MIR4686	6.92639	6.59821	7.16842	7.73626	8.18345	7.83414	7.06864	9.02417	8.42298
TSPAN32	5.90953	6.18879	5.90414	6.37727	6.68044	6.42153	6.32354	6.37619	6.39802
CD81	7.89059	7.67036	7.6784	7.96692	7.646	7.66933	7.91901	7.76424	7.90393
TSSC4	6.45049	6.55429	6.32165	6.97062	6.72394	6.87321	7.30509	6.81373	6.71735
KCNQ1DN	6.31038	6.75129	6.52777	7.0468	7.53294	6.7939	6.52065	6.76137	6.71791
NAP1L4	5.49935	5.8886	5.71726	7.02768	6.21035	6.60146	6.9797	6.39027	6.40423
MRGPRG-AS1	6.28106	6.04677	6.34991	7.09009	6.84508	7.116	6.66332	6.74558	6.87892
TSSC2	6.36561	6.17687	6.24292	6.1455	6.61421	6.55642	6.22488	6.11489	6.6227
ART1	5.34242	5.48721	5.80686	5.66163	6.30775	5.84177	5.5383	6.19016	6.0788
PGAP2	8.00625	8.19257	7.90916	7.47277	6.70195	6.72718	7.76758	6.74108	7.34701
STIM1	7.80472	7.80754	8.00148	7.61845	6.81154	8.34584	8.08156	8.36954	8.28919
RRM1	9.08376	9.25121	9.07408	9.0543	6.53199	8.4283	9.09032	8.29305	8.45585

LOC100506082	4.11556	4.28026	3.87992	4.39363	5.1187	4.83251	4.28644	4.29932	4.4081
MMP26	4.3055	4.35572	4.19011	4.6932	5.14138	4.4661	4.19443	4.29761	4.45225
TRIM6-TRIM34	6.50351	6.60464	6.56918	6.00668	5.83476	5.6292	6.47193	5.67998	5.67071
TRIM22	7.8346	7.5297	7.49008	6.08251	6.19476	5.53132	6.63439	5.84542	6.12352
C11orf42	3.58035	3.35349	3.31359	3.88312	3.64283	4.30413	3.48568	4.00905	3.42781
CNGA4	5.25218	4.88787	5.47208	5.24439	5.40821	5.79125	5.24541	5.58177	4.99363
CCKBR	5.36188	5.30648	5.26784	5.98802	6.12722	6.28237	5.94225	5.73025	5.97091
TIMM10B	8.94093	8.79978	9.00518	7.66465	7.85031	7.84084	7.88281	8.47722	7.88813
DNHD1	6.46334	6.65655	6.40168	5.45509	6.12676	5.49856	5.50966	6.15816	5.96039
DCHS1	6.03978	6.35121	6.23101	6.7265	6.37527	6.94882	6.5325	6.54805	6.44275
ZNF215	5.92586	4.10686	5.5305	5.69255	4.862	5.96085	6.37075	5.59494	5.53608
MIR302E	2.1156	2.27064	2.02886	2.46885	2.32	2.57337	2.34155	2.04905	2.31072
SYT9	4.55184	5.57262	5.3936	5.62779	5.81285	5.6396	5.01134	5.55854	5.17654
olfml1	6.76926	6.44212	7.29282	6.24034	5.81038	6.10882	5.70231	5.57115	5.58257
TUB	6.83024	6.59357	6.67113	6.4602	6.40679	6.24953	6.37367	6.231	6.42596
ST5	6.45235	5.9409	6.09741	6.2454	6.31333	5.80515	6.4097	6.02098	6.2555
AKIP1	6.66747	6.3356	6.58178	7.75832	6.07932	6.63437	7.80813	6.6927	6.59607
KRT8P41	5.37562	5.38208	5.78019	5.29033	6.35392	6.294	5.72187	5.77811	5.02528
IPO7	10.4083	10.1444	10.5059	9.92739	6.38598	9.82212	10.1906	10.199	10.5142
ZNF143	7.516	7.33663	7.25362	6.64252	5.47526	7.77539	7.66111	8.01711	7.77029
WEE1	9.33686	8.89911	9.46404	8.47585	5.66988	8.65164	8.18393	7.78011	7.21133
SWAP70	8.85927	9.01174	8.73261	8.26654	6.13286	8.54896	8.61228	8.62445	8.21673
SBF2-AS1	6.75051	6.87434	6.74459	6.61148	7.29388	6.45451	6.79054	6.89275	6.80485
ADM	6.22467	6.73233	6.66873	9.34727	9.32152	10.8548	8.92936	10.292	9.31912
AMPD3	6.92513	7.20822	6.94808	7.78152	8.50719	9.52488	8.5548	9.51324	9.33142
MRVI1-AS1	5.9073	6.32822	5.87604	6.14522	6.57665	6.52996	5.87416	6.41892	6.44554

ZBED5-AS1	7.23887	6.92602	7.04002	7.17599	5.73653	6.59096	7.32986	5.95657	6.20911
USP47	8.59696	8.52188	8.54219	8.15003	5.5901	8.62054	8.74389	8.56783	8.5266
MICALCL	9.00965	8.47375	8.70424	8.13768	6.20203	8.54594	8.42083	9.15236	9.22832
TEAD1	9.49451	9.02259	9.23247	8.52062	7.01892	7.88805	7.96779	9.51933	9.19468
RASSF10	7.47704	7.85066	7.25727	7.26699	5.06238	6.51549	7.9347	6.40934	6.46617
ARNTL	8.39723	8.74507	9.05974	6.82932	6.52642	7.92703	6.67854	7.7833	7.21654
FAR1	8.39421	7.98236	8.61597	7.81165	5.49087	6.60152	8.05763	7.85819	7.67326
CALCB	4.71217	4.56479	4.47389	4.94486	5.43721	4.90764	4.50533	5.35809	4.87919
INSC	5.44472	5.41078	5.47444	6.10085	6.51019	6.37454	5.95701	6.7068	6.04111
C11orf58	5.82941	6.17798	6.00115	5.39873	4.21294	5.31743	6.10424	5.44332	5.61621
NUCB2	5.31565	4.97054	5.50373	5.02521	5.24337	5.58564	5.52342	5.46063	5.72915
NCR3LG1	6.87541	6.98171	6.89455	6.40081	6.6457	6.45439	6.9518	6.7973	6.98284
MYOD1	5.57365	5.99497	5.82519	6.47677	6.37935	6.71537	6.06104	6.65687	6.40037
LOC494141	2.95769	3.72429	3.27153	3.53106	3.92214	4.01831	4.10898	3.71302	3.52148
SAA1	5.29322	4.9382	5.82396	5.80385	5.75356	5.78987	5.34096	4.90466	4.92231
LDHA	8.68763	7.20755	8.41839	8.05863	7.53085	8.60171	8.06539	9.76169	8.90028
ldhc	4.71068	4.4172	4.03865	3.89091	4.93746	4.47383	4.49047	4.41341	4.24932
LDHAL6A	4.70753	3.96907	4.63436	4.84744	5.41914	5.60086	5.25658	5.3658	4.85037
SPTY2D1-AS1	5.75929	6.14337	5.64569	5.77945	6.06141	5.89635	5.89259	5.209	5.48413
TMEM86A	9.04575	8.49249	8.00705	8.67801	8.46944	7.70356	8.48988	8.45799	8.58669
NAV2	7.94467	7.66345	8.32585	8.22146	6.82689	7.34355	7.8782	8.67577	8.53917
MIR4486	5.76724	6.0358	6.22848	6.89552	7.25994	7.29648	6.81906	7.40788	7.60131
PRMT3	7.24601	7.29948	7.31795	7.34992	5.31625	6.4641	7.595	6.54809	6.97089
NELL1	5.34369	6.12505	5.50226	5.72123	6.85228	6.06095	5.48699	5.60267	5.67501
ANO5	5.0388	4.83295	4.61094	4.69222	5.22133	4.6738	4.27221	4.72762	4.62961
GAS2	4.76744	4.78944	4.77005	4.97789	5.03037	5.18717	5.12833	5.24142	4.87339

LUZP2	4.06184	4.75358	4.86248	4.60781	4.91123	4.40564	4.48001	4.18712	4.32625
ANO3	5.28375	5.37113	5.28335	5.31622	5.86661	5.51011	5.2217	5.10366	5.04275
FIBIN	6.28683	6.78865	7.22447	5.2808	6.25344	6.09272	6.02418	6.15012	5.93951
BDNF-AS	6.60614	8.38288	6.52265	4.81563	5.05901	4.70273	4.70617	4.4304	4.92052
MIR610	5.35228	5.09388	5.40026	4.89685	5.82725	5.02228	5.73546	5.77638	5.56804
METTL15	7.15857	6.89349	6.67928	6.30769	5.54885	6.17777	5.84701	6.08764	6.253
ARL14EP	7.35311	7.88542	7.7565	6.45614	5.52847	6.29455	7.24265	6.20121	6.57852
ELP4	8.29579	7.73854	8.14065	7.52961	4.84152	6.52572	7.78297	6.26548	7.11614
WT1-AS	4.79261	4.64143	4.79905	5.08867	5.46602	5.72797	5.06996	4.84924	4.84078
PRRG4	9.7008	9.26127	9.33263	10.3968	7.60429	10.0303	10.6718	10.0471	10.3754
QSER1	9.3092	9.35009	9.07197	8.07679	6.34391	7.05035	8.34288	7.72049	8.06221
DEPDC7	6.69155	6.75933	6.2256	6.85372	5.49821	5.98928	6.48206	5.86655	5.93628
TCP11L1	6.90118	7.72211	6.72478	6.88251	5.7889	5.92716	6.57722	6.41939	6.49946
LINC00294	7.73261	8.91199	7.80975	7.57131	6.35713	6.05348	7.77127	7.33518	7.38871
CSTF3-AS1	4.66892	5.0145	4.95363	5.12413	6.83712	5.99943	5.16087	5.29067	5.57473
HIPK3	10.4415	10.5488	10.5717	9.97383	7.95161	10.3749	10.4401	9.92314	10.8436
KIAA1549L	5.7859	5.76593	5.8997	6.7217	6.35321	6.44007	5.67448	6.26951	5.96896
CAPRIN1	10.8028	10.4758	10.8133	9.95352	6.98797	9.41289	10.279	10.0182	10.2582
NAT10	8.84596	8.82588	8.96707	8.0853	6.55897	7.3758	8.23683	7.25652	7.65684
CAT	10.1441	11.015	9.9754	10.2668	8.41112	9.36167	9.72874	9.7158	9.60149
EHF	11.3455	10.7606	10.9421	10.4992	11.5873	12.1778	11.1888	12.5696	11.9162
CD44	12.2641	12.0106	12.1397	11.3954	9.20166	11.4071	11.6621	11.2015	11.6793
fjx1	7.47052	7.3704	7.5215	8.6822	6.51801	8.12191	8.6378	7.8053	7.84059
TRIM44	8.7001	9.04416	8.5957	8.02599	5.96655	6.96622	8.16349	7.01559	7.52316
LDLRAD3	8.88621	9.08265	8.91641	8.16582	6.6958	7.87985	7.86999	8.00103	8.15707
MIR3973	7.84219	7.28078	6.95063	5.32244	6.60767	5.07858	5.13579	5.46763	5.71263

PRR5L	6.3113	6.31138	6.06832	6.02464	6.69083	6.67511	5.7887	6.36946	6.38301
RAG1	4.13932	3.89639	3.85969	4.25255	5.08678	3.7265	4.00013	4.04034	3.8513
API5	9.76747	9.68468	9.93116	9.40921	6.40634	8.79692	9.7456	8.81351	9.22758
TTC17	9.62517	9.80037	9.60735	8.32543	6.62959	7.29418	8.35534	8.72525	8.87777
HSD17B12	5.30884	5.37269	5.59731	5.08071	4.82997	5.36196	5.48462	5.28042	5.3354
MIR670	4.37331	4.89346	5.33768	5.63401	5.40947	5.44149	5.15413	5.78118	5.45805
mir129-2	3.04348	3.77001	3.41343	4.5695	5.50144	4.48141	4.52894	3.86618	3.92868
SEC14L1P1	7.22417	7.60597	7.55605	6.30698	5.56595	6.74812	6.5399	6.77561	7.03847
c11orf96	5.81925	5.67602	5.76119	5.73049	6.05395	6.31062	5.86444	6.37504	5.70008
ACCSL	4.82139	5.0894	4.34903	5.24234	5.35553	5.25906	4.92325	4.62801	4.91414
ACCS	7.04696	7.02129	7.20548	6.27235	6.62687	6.41859	6.5114	6.33646	6.31171
EXT2	9.20321	9.13663	9.06991	9.13358	7.07245	8.04104	8.85123	8.82575	8.94171
CD82	7.00696	7.53656	7.35207	7.5887	6.30182	7.8755	8.3694	8.81999	7.64289
TSPAN18	6.60295	6.62192	6.73154	6.74401	6.03523	6.65051	6.39392	6.19424	6.26524
LOC221122	5.25792	5.34945	5.11858	5.26096	5.52259	5.56676	4.88818	5.14975	5.00194
Prdm11	6.72349	6.52376	6.9146	6.97941	7.40011	7.1902	7.15654	7.09608	7.0425
LOC100507384	5.15143	5.62973	5.49747	5.83897	6.64115	6.14759	5.61311	5.85342	5.8008
DKFZp779M0652	5.6891	5.9745	6.02019	6.49042	7.25807	6.97142	5.99938	6.46877	6.4254
CRY2	8.02835	8.34571	7.96469	7.2142	7.2204	7.31571	7.43767	8.27678	7.52633
MAPK8IP1	4.77822	4.95576	4.81311	5.5846	5.15542	6.13185	5.8941	5.14352	5.56916
LARGE2	8.65144	8.38056	8.31832	8.9974	7.86238	7.25228	8.92094	7.96641	7.97218
CREB3L1	6.47272	6.06394	6.21767	6.85497	6.64132	6.47696	6.53163	6.30721	6.33086
MIR4688	6.55056	6.71701	6.65431	7.24778	8.20711	7.92424	7.62357	7.42591	7.67873
MDK	7.3472	7.12304	7.29469	8.08967	7.51739	7.76175	7.29242	7.78776	7.37914
MIR3160-1	6.59694	6.50767	6.10531	6.57041	6.73752	6.92903	6.01653	6.37242	6.7821
ATG13	8.914	8.58258	8.63419	8.27918	7.92472	8.76703	8.48349	9.56913	9.22292

ZNF408	6.19898	5.89993	5.99221	6.71662	6.37291	6.68936	7.11518	6.76363	6.53784
F2	5.15121	5.22364	5.07668	5.67267	6.01408	6.25249	5.50734	5.76509	5.6658
LRP4-AS1	5.73197	5.60797	5.85756	6.1423	5.66036	6.56824	5.94368	5.84806	5.94672
C11ORF49	7.71309	7.82123	7.62408	7.20887	7.29351	6.86123	7.05526	6.2689	6.33412
MADD	8.53529	8.53726	8.46532	7.80141	6.28796	6.93494	7.66901	7.2635	7.45818
MIR4487	5.29794	5.06426	5.42174	5.79332	5.60408	4.86268	5.36273	5.51089	5.90345
KBTBD4	6.34176	6.58025	6.32576	6.44716	6.33415	6.3105	6.78871	6.14889	6.34932
MIR3161	6.82019	6.29218	6.60379	7.46952	7.5519	8.00185	7.20474	7.85685	7.26312
TRIM49B	4.39148	4.83532	4.37206	4.82036	6.65568	4.96395	4.53183	4.57455	4.66865
LOC646813	2.56548	2.09942	2.31474	2.28052	2.37607	2.34846	2.27483	2.1644	2.14016
TRIM48	5.00665	5.23975	4.17823	5.11321	5.0124	5.58715	5.26107	4.73515	4.43222
LRRC55	5.46651	5.49975	5.52446	6.12642	6.03986	6.10392	5.86123	6.11374	5.98817
RTN4RL2	6.58301	6.31367	6.52595	7.04766	6.74964	6.6642	6.60996	6.59978	6.76105
SMTNL1	5.94989	5.99983	6.05396	5.98914	6.30767	6.18606	6.33837	6.44359	6.24576
MIR130A	5.02277	5.21411	5.12034	5.9014	5.59523	5.73028	5.90978	5.29655	5.77097
SELENOH	7.83822	7.65898	8.01374	7.59799	5.64531	7.19685	7.89613	7.1516	7.48115
ZFP91-CNTF	9.40103	9.51572	9.5962	9.0928	7.31643	8.06214	9.25719	8.91724	8.88567
GLYATL1	4.76859	4.95911	4.96711	5.15996	6.15385	5.37003	5.18226	5.36118	4.97439
DTX4	6.0181	6.28273	6.36734	6.39204	6.89155	6.4514	6.12987	6.17778	6.5082
STX3	8.66866	8.54266	8.41631	8.54218	7.17581	8.42201	8.79203	8.40279	8.92709
OOSP2	4.63463	4.60508	4.20218	4.69143	5.4381	4.93471	4.67141	4.99799	4.63233
LINC00301	2.771	2.93378	2.76882	2.92256	3.71491	3.1781	3.09905	2.59297	2.73223
CCDC86	7.61329	7.44639	7.75241	8.20154	7.75494	8.46875	8.21664	8.34421	8.31242
ZP1	5.0306	4.85574	5.09462	5.44716	5.94123	6.08783	5.29314	5.82533	5.6327
TMEM109	9.35142	9.11091	9.64071	9.03166	7.57357	7.96458	9.53522	8.58877	8.30268
tmem132a	6.5264	6.14568	6.34942	7.1266	7.02942	7.40013	7.22598	7.50769	6.95281

CD6	5.94006	5.89991	6.01517	6.22367	6.64597	6.24345	6.23066	5.93672	6.60941
CD5	6.41859	6.4228	6.90737	7.04696	7.42952	7.56698	6.83188	7.02599	6.95351
TKFC	7.23922	7.0506	6.98737	7.09158	7.31378	6.73421	7.13119	6.92589	6.98182
TMEM138	7.55545	7.26909	7.46686	6.80885	5.8895	6.04661	7.04042	6.62459	6.49947
TMEM216	7.37416	7.14853	7.31694	6.79206	7.39037	6.62391	7.02269	6.5327	6.49199
SDHAF2	7.86277	7.94199	7.88146	8.19271	7.02594	7.8085	8.22591	7.77396	7.87465
LRRC10B	6.80162	6.77942	6.77481	7.30499	6.79583	7.23572	6.7876	6.82831	6.973
MYRF	6.21883	6.2342	6.20694	6.55329	7.13165	6.35458	6.4302	6.48588	6.39201
FEN1	5.98692	6.30435	6.13409	6.86611	6.95224	6.1009	6.97032	6.29668	6.49204
FADS2	6.99542	6.65165	7.10784	7.34511	7.29789	6.64281	7.15886	6.80248	7.1316
BEST1	5.7423	5.94947	5.89708	5.93238	5.79221	6.55321	5.86049	6.17419	5.80529
INCENP	7.05187	6.80397	6.85647	7.22362	6.0075	6.95048	7.5053	6.89294	6.48075
ASRGL1	4.97003	4.60334	5.01035	5.36026	5.08309	5.04112	4.93697	5.37294	5.10289
ROM1	4.69302	4.96351	4.93259	5.60209	5.58699	5.44138	5.26219	5.60069	5.51882
METTL12	6.24854	6.18266	5.73369	6.60812	6.24309	6.43271	6.6293	6.31371	6.19597
UQCC3	6.24987	5.90659	6.3246	6.62289	6.80891	6.69006	7.29894	6.4804	6.37745
TTC9C	7.33802	8.00015	7.68933	6.69698	5.61736	6.18829	6.86506	6.64898	6.27788
POLR2G	7.39344	7.16333	7.40555	7.38683	6.44897	6.98307	7.9536	7.26113	6.98307
TMEM179B	7.60016	7.6753	7.59394	7.54288	6.74492	6.69609	7.92488	6.55206	7.25601
RARRES3	6.84306	6.44107	7.05383	6.26854	6.32594	6.17107	6.43301	6.3017	6.2666
RTN3	9.96569	9.71333	9.79996	9.32778	7.96264	8.67149	9.16795	9.41809	9.51645
MARK2	8.00709	8.00301	7.83872	8.30418	7.00127	8.15878	8.28292	7.49822	8.18386
COX8A	10.2348	10.4172	10.6479	11.4636	10.0861	10.8818	11.5993	10.3028	10.9231
FLRT1	5.78129	5.81375	5.90126	6.60053	6.76218	6.58424	6.11175	6.61824	6.25295
STIP1	7.54645	7.38108	7.2677	7.83927	6.54925	7.93152	8.1267	8.15162	8.37885
FERMT3	5.92938	5.71329	6.17637	6.25756	5.60051	6.5241	6.1315	6.19732	6.09142

NUDT22	5.39651	5.30039	5.48362	5.98151	5.62476	6.36525	6.26927	6.0649	5.97414
VEGFB	7.66435	7.63621	7.6333	8.3658	7.32962	8.67375	8.77469	7.70711	7.71003
GPR137	7.48271	7.17632	7.12088	8.22895	7.91431	8.02391	7.78474	7.67273	7.74039
ESRRA	6.86572	6.47972	6.78894	7.09693	6.54456	7.42771	7.25661	7.27259	6.95997
PRDX5	9.15979	9.46823	8.91833	10.7777	8.68914	10.1835	10.5256	9.60671	9.93395
CCDC88B	6.06267	6.05136	5.91079	6.69797	6.7477	6.50099	6.5667	6.59664	6.38005
MIR1237	6.7041	6.84638	6.73297	7.60246	7.22043	7.51122	7.19798	7.31981	7.69601
ARL2-SNX15	7.15129	6.90716	7.25761	7.48633	6.63338	7.36052	7.83148	7.39359	7.61608
SAC3D1	5.71911	5.90297	5.69449	6.22577	6.18222	6.31179	6.14437	6.36358	5.98851
ZFPL1	7.25582	7.1465	7.15215	7.36321	6.54008	7.36029	7.25456	7.14042	7.28109
VPS51	7.49196	7.44722	7.54118	7.6674	6.73511	7.8121	7.55706	7.25892	7.04481
TM7SF2	7.95426	7.48614	7.29407	8.25372	7.66791	7.44838	7.90257	7.94623	7.93116
MRPL49	7.5698	7.24786	7.21757	6.96793	5.96896	7.06681	7.28254	7.45709	7.00832
SPDYC	6.2863	6.6072	6.25517	7.27778	7.18379	7.22759	6.92811	6.61606	6.68603
CDC42EP2	6.31153	6.00937	6.35127	6.60947	6.70628	7.39528	6.79273	6.71391	6.91162
tigd3	5.49629	5.67345	5.54751	6.10084	5.85546	5.83687	5.85879	5.94738	5.78953
FRMD8	6.86816	6.65448	6.58624	7.2179	7.46202	7.19783	7.44836	8.01959	6.94828
MALAT1	11.4266	11.1916	11.014	11.4095	11.6385	11.0841	11.0458	12.3412	11.8272
SCYL1	8.02708	7.915	7.8848	7.94917	7.5353	8.32677	8.326	8.11388	8.14905
SSSCA1	8.08511	7.22636	7.95631	8.46872	6.50971	8.2236	9.15698	8.14518	8.66837
EHBP1L1	7.09621	6.97976	6.73268	7.32646	5.39534	8.63139	7.98368	7.75821	7.96297
PCNX3	8.59481	8.14731	8.60669	8.89311	7.41105	8.36901	9.00707	8.48577	8.50447
SIPA1	6.57754	6.42623	6.33401	7.03762	7.24971	7.47285	6.45884	7.13933	6.82453
KAT5	7.9412	8.09712	7.96076	8.05356	7.94113	9.07241	8.27638	8.869	8.39514
OVOL1	8.64815	8.79965	7.77792	10.226	9.27583	11.1741	9.86323	9.49066	9.89783
SNX32	5.40397	5.34664	5.6602	6.38393	6.02746	6.51358	5.74962	6.25814	5.84696

MUS81	6.95273	7.00035	6.81668	7.53801	7.3008	7.45132	7.38171	7.03418	7.34448
CTSW	6.18576	6.21117	6.18786	6.44931	7.35702	6.64837	6.32242	6.59427	6.93091
CCDC85B	6.07443	6.21051	6.36551	7.33764	6.41855	7.39173	7.08821	7.13461	7.3803
DRAP1	7.60609	7.67932	7.41685	8.90168	8.27974	9.78452	8.55435	8.86676	8.76659
SART1	6.99053	7.00025	7.08845	7.51334	7.38577	7.7373	7.7466	7.51514	7.43467
BANF1	7.99373	8.16282	8.20406	8.61383	7.30908	7.95089	8.92185	7.60171	8.10844
CST6	9.50085	9.109	8.60081	9.09093	8.67693	9.19162	8.59245	8.66188	9.27299
PACS1	7.65961	7.73926	7.79454	7.53865	6.10957	7.77553	7.83683	7.82714	7.78177
KLC2	6.89999	6.92167	7.12187	7.93332	6.89169	8.04763	8.02097	7.85524	7.87288
CNIH2	6.90526	6.83029	6.93916	7.14848	7.40341	6.92613	6.61991	6.91965	7.12712
TMEM151A	5.10137	5.43861	5.52845	6.22153	5.63676	6.35458	5.7462	5.80412	5.74966
NPAS4	5.04902	4.96564	4.68424	4.99601	5.80247	5.28424	4.64827	5.19969	5.27875
PELI3	6.52215	6.5425	6.50529	6.30042	6.7446	6.91028	6.98673	7.31431	6.82184
DPP3	7.38722	6.63109	7.33957	6.71802	5.38426	7.1724	7.55401	6.93439	7.03051
BBS1	7.57141	7.59622	7.67558	6.65113	6.67786	6.74237	7.12385	6.733	7.10111
CCS	6.80435	6.95328	6.99193	7.27941	6.65899	7.19944	7.45195	7.25535	7.04878
RBM14	9.07009	8.42549	8.60845	8.1848	7.73358	7.90499	8.34889	7.95323	8.38022
C11orf80	9.40913	9.21346	8.69826	8.43283	7.96479	8.77294	8.81601	8.80828	8.91564
LRFN4	6.09145	6.01118	6.10222	7.00508	6.97356	6.76041	6.75292	6.3719	6.86432
SYT12	6.12199	5.95217	6.11698	6.94225	6.44426	6.75734	6.20152	6.65625	6.35503
RHOD	9.76677	9.36735	9.48982	11.4722	11.2147	11.7525	11.5399	11.2033	11.4751
KDM2A	9.62976	9.57648	9.48941	9.17095	8.15781	9.8598	9.21753	9.8291	9.65429
SSH3	7.89369	7.20653	7.26452	7.43571	6.433	7.76067	8.10521	7.15003	7.78411
LOC100130987	6.7738	6.83813	6.55398	6.29688	6.76009	6.75276	6.97786	6.14277	6.61336
RAD9A	7.61119	7.09976	7.19843	7.36702	6.45281	7.5365	7.53602	7.34866	7.12453
CARNS1	6.95397	6.94071	6.9008	7.23046	7.43927	6.99792	7.06009	7.06004	7.19991

CABP4	6.57141	6.44425	6.88096	7.06653	6.78966	7.36354	6.61816	7.28531	7.36136
AIP	6.25417	6.53279	6.7021	6.9004	6.64499	6.94314	7.08271	7.04191	6.70365
GSTP1	9.13862	9.20251	9.24269	9.94798	9.69235	9.89651	10.086	9.99376	10.1329
MIR5481I	7.95933	9.01988	8.41475	6.4841	10.0202	6.62978	6.64142	6.29099	6.5719
LRP5	7.49775	7.47013	7.56793	7.59362	6.36522	7.40426	7.8171	7.14501	6.72372
GAL	5.97663	6.06327	6.07015	7.11162	7.10486	6.97645	7.0715	7.09218	7.03532
IGHMBP2	6.53226	6.67665	6.54385	7.2414	6.42846	6.79055	6.98488	6.71379	6.78861
TPCN2	6.83634	7.05104	7.20417	7.05858	6.32126	7.05087	7.35133	6.94471	6.92839
MIR3164	6.19547	6.23233	6.33065	6.18798	6.51445	6.69941	6.28485	6.38045	6.41413
MYEOV	4.98131	4.90349	5.67854	5.52216	5.13706	5.22372	4.79722	5.41075	4.77435
CCND1	9.36749	9.86058	9.19294	8.0184	7.30871	8.05954	8.37881	8.35326	8.33621
FADD	6.9336	6.65826	6.69917	7.41879	6.69168	7.56258	7.34431	6.97936	7.00744
MIR548K	7.52818	7.11304	7.31352	4.59793	4.63044	3.68069	4.96537	8.90108	7.46205
CTTN	8.98986	9.00937	8.6892	9.20751	7.0651	9.5331	9.49708	9.23921	9.49604
SHANK2-AS1	5.69709	6.1111	5.9186	6.50986	5.98149	6.5995	6.05414	6.24875	6.43979
NADSYN1	7.30949	7.55496	7.17784	7.58685	6.34554	7.35158	7.70378	7.13647	7.88552
KRTAP5-7	8.77163	8.73067	8.84316	9.84965	10.6072	9.41337	8.76837	9.00245	9.14316
KRTAP5-8	6.64519	7.32993	6.24905	6.60176	7.69149	6.10019	5.83172	6.04813	5.86093
KRTAP5-9	5.59445	5.79227	5.8127	5.69195	7.03799	5.56442	5.21314	5.86247	5.46021
KRTAP5-10	4.75446	5.05998	4.45171	5.01286	6.09619	5.20933	5.0789	5.36902	5.52056
RNF121	7.45236	7.45326	7.18179	6.34176	5.80029	6.33266	6.40844	6.18452	6.64769
IL18BP	6.83524	6.87447	7.04287	6.24983	6.41416	6.11512	5.9852	6.43367	6.50928
LRTOMT	6.06782	6.12212	5.80123	5.73022	6.11458	5.54836	5.94887	5.63493	6.04773
FOLR3	5.29452	4.89108	4.99273	5.57804	6.14679	5.90964	5.55544	6.43042	5.83654
folr1	6.791	6.92065	6.79642	6.74125	7.67531	6.9555	6.39835	6.81168	6.75318
FOLR2	5.71424	6.02182	6.47043	6.18946	5.53444	5.89007	6.25857	6.03136	5.74951

INPPL1	7.60406	7.46114	7.34255	7.25024	6.56999	6.50239	7.12666	6.81849	6.47916
MIR4692	6.96048	6.85247	6.96777	8.06379	8.8622	7.34346	7.72852	7.90294	7.49559
atg16l2	8.08488	7.89098	7.41583	7.46442	6.8269	7.42203	7.16375	7.89715	7.58666
ARHGEF17	6.57038	6.53053	6.51658	6.64007	6.00761	6.28139	6.09001	6.26216	6.27415
RELT	6.52636	6.52101	6.29725	6.94146	6.84315	8.18753	7.1271	7.47903	7.05049
MRPL48	7.38212	7.71648	7.28924	7.59034	6.49303	7.10359	8.24781	7.1748	7.69774
PAAF1	6.44079	6.69703	6.56245	6.19228	6.3258	5.91058	6.27233	5.8109	5.80245
PPME1	9.05825	8.86734	9.29796	8.25714	7.4601	8.8787	8.0709	8.22235	8.64317
MIR548AL	7.65443	6.66118	7.54236	5.33814	7.51101	4.09678	4.67173	5.45412	6.20576
RNF169	8.95531	8.57612	8.83244	8.20348	6.69259	7.94256	8.73239	8.98355	8.8337
SPCS2	7.74742	7.70124	8.29975	5.95613	6.44552	5.61879	5.94173	7.34395	7.5546
NEU3	6.30428	6.30282	6.5188	5.46512	6.19269	5.56984	5.72243	6.02281	5.72604
TPBGL	5.9689	6.25517	6.31255	7.10195	7.34387	7.04051	6.67186	6.75402	6.45106
RPS3	8.4767	8.40897	8.4044	8.4304	7.43646	8.51167	8.36593	7.79606	8.12065
MOGAT2	5.23026	5.23491	5.33998	5.21656	6.16377	5.20939	5.66758	5.22412	5.56849
DGAT2	7.87853	8.15801	7.72718	7.75408	6.92404	7.38718	7.0488	7.07541	7.07055
UVRAG	8.98158	8.59418	8.97785	7.44731	6.56915	7.08888	7.89254	7.8339	7.26575
EMSY	8.1176	7.87748	7.96853	6.63042	5.31172	6.19391	7.01901	7.1933	6.869
TSKU	7.00969	7.46811	7.63218	7.16645	6.3641	6.51705	7.62379	6.4501	6.46457
ACER3	7.93747	7.41016	7.65877	7.68378	5.77122	7.31603	7.76721	8.08909	8.26822
CAPN5	7.10489	7.1685	7.2877	7.07512	7.32706	7.29612	6.9532	7.21423	6.94608
OMP	6.4415	6.46759	6.27055	6.99689	7.14704	7.20101	6.73339	7.42536	7.2276
MYO7A	5.5432	5.8688	5.82102	6.00165	6.54703	6.35392	6.04588	6.27066	6.10085
AQP11	6.49197	6.30999	6.37529	7.17133	7.17131	6.89381	6.60326	6.53908	6.70563
KCTD14	2.96349	3.07644	3.55626	3.40909	4.22044	4.34054	3.39446	3.16947	3.6303
THRSP	4.38342	4.26793	4.94373	5.15543	4.97002	5.2984	5.06869	5.28954	5.12628

USP35	6.51127	6.37128	6.40156	7.22591	6.86332	7.20135	7.36329	8.34229	7.88613
RPS28	13.0139	13.1078	12.8181	12.8932	12.5727	12.7684	13.0896	12.3553	12.7254
DDIAS	6.27436	5.88015	6.17474	5.68395	5.99028	6.11824	5.79278	5.82064	5.85529
RAB30-AS1	6.44041	6.67906	6.40522	6.53834	5.98325	6.49465	6.11501	6.26543	6.31553
ANKRD42	6.83875	6.88211	6.98388	6.06846	6.09479	6.44801	6.57097	6.81746	5.83904
TMEM126B	7.52605	7.72015	7.3776	6.92845	5.59917	6.10946	7.55962	6.45661	6.48585
TMEM126A	6.62475	6.44699	6.48514	7.42399	5.10047	6.99586	7.8748	6.19296	6.53857
ccdc83	4.005	4.00882	3.8354	3.96244	4.57959	3.69297	4.35457	3.53692	4.11069
EED	6.87934	7.01354	7.03744	5.91399	5.56333	5.3282	5.5066	6.3417	5.91908
HIKESHI	6.2765	6.31626	6.33893	5.97748	4.94858	5.99208	6.35833	5.51093	6.02739
CCDC81	4.46507	4.80336	4.72119	4.68013	5.13889	4.80009	4.74016	5.3973	4.74355
LOC100506368	5.24514	5.48335	5.58326	5.96009	6.11005	5.93264	5.7388	5.06044	5.68396
TMEM135	7.53587	7.73078	7.30365	6.40697	6.51017	6.01732	6.86425	5.89487	6.31053
MIR3166	3.42152	3.70602	4.01158	3.9151	3.12097	4.42256	3.94168	4.07682	4.03847
GRM5-AS1	2.71865	2.80422	3.17199	2.87554	3.91291	3.29001	3.31413	3.18621	3.23709
TYR	8.69273	6.74781	7.01944	5.84802	6.39321	5.51432	5.87421	5.24613	5.41759
FOLH1B	3.57205	2.80158	3.07122	3.31404	3.57882	3.0275	3.43536	2.97748	2.91959
TRIM64	4.27662	4.25992	4.25486	5.00537	4.49196	4.90548	4.4162	5.30714	4.43765
NAALAD2	4.9682	4.38758	4.55915	3.89509	4.80362	4.54352	3.33878	3.99253	3.57579
FAT3	5.37944	5.26204	5.58802	5.50079	5.7872	5.75419	5.38208	5.57374	5.51806
MTNR1B	6.26828	6.79209	5.92638	6.45675	6.39122	6.83003	6.29212	6.92769	6.64295
DEUP1	3.92427	4.32811	4.11208	4.34929	4.51891	4.34224	4.29245	4.25533	4.19951
CEP295	6.67544	7.06833	6.75882	5.38799	4.8408	4.94087	5.84235	5.6936	5.50602
Scarna9	8.00606	8.75963	8.18371	7.69161	4.63895	7.72131	8.78853	7.78241	7.98334
C11orf54	7.66447	8.36506	7.6126	6.9903	5.73115	6.75377	7.14242	6.54658	6.83961
MED17	6.76816	7.04723	6.9023	6.79032	5.29095	6.49103	6.9765	6.50045	6.37296

HEPHL1	5.81151	5.30784	5.77342	9.35408	11.7441	12.0285	11.6394	12.5822	12.0329
PANX1	7.78455	7.23615	7.55957	8.78579	6.63291	8.80658	9.20833	7.95098	9.20592
IZUMO1R	5.74734	5.79946	5.9373	6.39076	7.12978	6.3944	6.18269	6.25768	6.52248
ANKRD49	7.64355	8.44764	8.03349	6.27	4.83634	5.53945	6.45264	6.00973	6.56223
C11orf97	3.26139	3.74051	3.57897	3.84027	5.38283	3.77883	4.26269	3.23043	3.12712
PIWIL4	6.24598	6.06348	6.4521	5.42585	6.7161	5.59717	4.95309	5.67934	5.38435
AMOTL1	8.77648	8.16485	8.09989	8.60525	7.48767	8.70223	8.78639	8.50616	9.00447
KDM4D	5.51208	5.88253	5.82973	5.51569	5.29738	5.01298	5.20883	5.02609	4.88944
KDM4E	4.50423	4.56528	4.67099	5.44139	5.69812	5.23773	4.75721	5.32491	5.02595
SRSF8	9.38107	9.20102	9.38293	9.18497	7.69266	8.20192	9.87423	7.75491	8.84267
ENDOD1	9.56255	9.79376	9.71038	10.0158	8.6891	10.6353	10.3994	10.5267	10.8307
CEP57	7.77516	7.69547	8.23727	6.91042	6.46936	6.53267	6.98064	7.31234	6.48316
MAML2	3.97875	3.62966	3.94921	4.37308	4.40326	4.46036	5.08793	4.31102	3.59452
JRKL	5.87039	6.14371	5.7725	5.78237	5.8234	6.59181	6.31211	5.71048	5.90514
CNTN5	4.26058	4.27272	3.88957	4.3055	4.72572	4.94222	3.56682	4.29908	4.28311
ARHGAP42	8.13192	8.12927	8.3391	6.78748	6.0002	5.4389	6.79865	5.67802	6.10021
TMEM133	8.13503	7.96122	8.23156	6.72061	5.86115	4.63215	6.56997	5.92	5.56849
CEP126	6.89513	7.68305	7.5585	5.93623	5.6801	5.1153	6.06476	5.89135	5.5744
c11orf70	4.96352	4.90176	5.07722	4.55046	5.45684	4.85697	4.48513	4.23692	4.79642
YAP1	9.14515	9.0616	8.95726	9.53046	7.01172	9.69871	9.51552	9.44668	9.68191
BIRC3	6.12693	6.17684	6.69938	4.72708	5.50575	6.82763	6.14836	6.49656	6.48372
BIRC2	8.0091	8.24678	8.20023	8.00396	6.09507	7.29826	7.93367	7.61226	7.89616
TMEM123	5.83247	5.54665	5.57472	6.02145	6.11468	6.07384	6.80986	6.01644	6.02976
WTAPP1	4.7703	4.9516	5.10484	5.43523	6.12162	6.03742	5.34467	6.10723	6.19445
MIR4693	1.97821	2.23835	1.75744	2.6083	2.34505	2.86815	2.22587	2.01835	1.70311
DDI1	4.22829	4.00881	4.37564	4.80563	4.97966	5.69191	4.87397	5.27471	4.65304

AASDHPPT	7.63089	7.49808	7.63492	7.62337	5.17675	6.77485	7.9904	6.72415	6.80873
ELMOD1	9.51274	9.71096	8.97283	9.06614	6.7685	6.33294	7.32581	7.04823	8.2024
CUL5	8.62575	8.55285	8.62355	7.6962	4.61862	6.88522	8.16338	7.57511	7.74152
ACAT1	7.0935	7.25441	6.90387	6.39267	5.67793	5.8962	6.34879	5.6741	5.93541
DDX10	7.4103	7.02416	7.20743	6.54489	6.20081	5.61982	6.4028	5.90304	5.94966
C11orf87	5.65613	6.02375	6.52638	6.44557	7.30357	6.79497	6.17041	6.7152	6.16148
ZC3H12C	7.57085	7.21915	7.32637	6.42139	6.04999	6.04511	6.97138	6.16265	6.52224
FDX1	7.99	8.48407	7.78462	8.48598	7.15042	7.87442	8.61216	7.68036	7.49959
COLCA2	5.49029	6.18384	5.94397	5.6391	6.59246	6.08846	5.60624	5.8082	5.64363
MIR4491	2.91399	2.54011	2.57149	2.74155	2.24961	2.48489	3.37	2.36148	2.58527
mir34b	3.48833	3.77523	3.27535	3.47642	3.48591	3.57774	2.97086	3.51984	3.19763
C11orf88	3.46613	2.92115	3.11677	4.06644	4.76154	3.79096	3.93908	3.57164	3.49638
LAYN	6.85734	6.71451	6.80505	7.07109	6.41277	7.03555	6.92208	7.1406	6.83671
SIK2	8.79598	8.64651	8.88868	8.2807	7.2559	7.51504	8.39677	8.41574	8.23283
c11orf1	6.64768	6.774	6.75409	5.84624	5.79201	6.14271	6.72821	5.54981	5.74224
HSPB2-C11orf52	5.84551	5.88464	5.67666	6.09327	5.66919	5.8722	6.21218	6.07623	5.53139
DIXDC1	6.44911	6.44556	6.97361	5.98693	6.32799	5.7076	6.2348	6.15037	5.97542
DLAT	7.90974	8.2354	8.38096	8.18965	6.25301	7.33102	8.20119	7.42886	7.72082
C11orf57	6.8742	7.39442	7.23064	6.04476	4.50584	5.39877	6.53843	6.12278	6.30567
TEX12	5.01042	5.07478	5.23629	4.68424	4.86006	4.41067	4.331	4.75727	4.17233
BCO2	6.64399	6.97892	6.99789	5.60164	6.03134	5.9782	5.54496	5.77701	6.10637
PTS	7.81839	7.19012	7.68644	6.48418	6.84317	6.61714	7.12854	6.81158	7.1969
NCAM1	5.12581	5.08102	5.50273	5.43348	6.52636	5.47983	5.30102	5.27854	5.09191
TTC12	7.31513	7.10841	6.98089	6.28225	6.2512	6.1308	6.65869	6.26023	5.78031
ANKK1	6.96663	6.86506	6.7362	7.10956	7.02351	6.85832	7.10574	6.86562	6.77841
CLDN25	6.40212	6.38947	6.48756	6.45852	8.35507	6.7525	6.03102	6.7808	6.50902

ZBTB16	5.80805	6.85859	8.93548	5.92209	6.03173	6.13343	6.08648	5.73707	5.71941
NNMT	7.19907	6.75616	8.30532	7.32459	6.75532	6.22786	7.0474	6.18391	6.96878
RBM7	7.67501	7.68294	7.45293	7.60645	6.75108	7.78085	7.72783	7.39474	7.72877
CADM1	3.5925	3.82831	3.76251	4.21347	5.75641	3.23389	4.51595	3.63988	3.26323
LINC00900	4.33056	4.94546	4.576	4.6347	5.48005	5.41106	4.97692	4.68773	4.71225
Apoc3	6.08506	6.2047	6.23076	6.91815	6.94902	6.98062	6.47294	6.72342	6.65161
TAGLN	7.88623	7.42901	8.283	7.94038	7.30309	7.4415	7.33186	7.47247	7.46428
RNF214	7.4001	7.75029	7.3803	6.6164	6.20406	6.91007	7.07943	6.43195	6.66646
BACE1-AS	8.09139	8.51378	7.63881	7.28711	7.02198	6.85079	7.38024	6.41122	6.94026
CEP164	6.93722	6.93536	7.02907	6.84176	6.7225	6.47197	7.06667	6.79129	6.7475
FXYD6	5.54559	5.46646	5.55956	6.10617	6.08717	6.21595	5.56743	6.11575	5.9934
UBE4A	10.4104	10.4325	10.3959	9.54525	8.44045	9.25181	9.8429	9.49942	10.0492
TTC36	6.76216	6.40938	6.42	6.0662	6.75379	6.22512	6.03386	5.9887	6.49942
TMEM25	6.57293	6.70502	6.55381	6.68854	7.23217	6.30202	6.08472	6.52268	6.20047
ARCN1	10.2836	9.88842	10.2364	9.63425	6.76148	9.23097	9.81868	9.30724	10.0509
CXCR5	4.34349	4.67607	4.46096	5.64186	5.27744	5.63527	5.70252	5.20951	5.13169
BCL9L	6.67781	7.44904	6.78957	7.42711	7.14411	7.74558	7.42914	7.56243	7.77804
UPK2	6.17095	5.90963	5.9926	6.34349	7.27057	6.62894	5.68812	6.40143	6.20521
FOXR1	4.99985	5.2587	5.18798	5.70266	5.94709	5.46813	5.13572	5.81045	5.87108
CCDC84	8.79825	9.00345	8.86089	7.51359	6.34902	6.51486	6.89882	8.90871	8.63302
TRAPPC4	7.11858	6.65056	6.99535	6.9997	6.53626	6.45733	7.12121	6.98961	6.95048
HYOU1	4.70057	4.71385	4.87826	6.09029	5.11829	6.34944	5.81889	5.04862	5.56272
VPS11	7.58476	7.43455	7.5978	6.88637	5.91675	6.67546	7.36563	6.97636	7.07487
HMBS	6.89018	6.02645	6.55867	6.83827	5.60183	6.17896	6.79946	6.13031	6.30272
C2CD2L	7.4131	7.50407	7.23506	7.69249	6.82677	7.27013	7.57976	7.48233	7.245
HINFP	7.07466	7.27497	7.2302	6.87579	6.38987	6.62819	6.89701	7.38143	6.42737

NLRX1	8.07599	7.87164	7.65137	9.02975	7.79067	9.43887	8.72917	7.99742	8.5862
PDZD3	5.81168	5.69002	6.09584	6.38672	6.44848	6.48351	6.05208	6.3587	6.06341
RNF26	7.98215	7.96757	8.16827	8.1706	6.79379	7.25303	8.86578	7.59564	7.74261
USP2	5.17852	4.64346	5.49438	7.30951	4.7529	8.63727	8.06291	6.36947	8.49414
USP2-AS1	5.67867	5.99121	5.69084	5.93609	6.25737	6.30976	5.93905	6.19922	6.24099
OAF	7.19657	7.02466	7.35952	7.81004	7.49736	8.01875	7.34578	7.49599	7.75799
POU2F3	9.70123	8.29105	8.85535	7.55373	6.90765	8.05324	8.08852	7.18219	7.22127
TMEM136	5.21817	5.36213	5.40291	5.36639	5.52819	5.26842	5.21729	5.10984	5.40707
ARHGEF12	10.8462	10.838	10.7279	9.86139	8.33784	10.2679	10.2419	10.6052	10.5067
TBCEL	7.46466	7.70274	7.61541	6.26454	5.69144	6.53982	7.36176	6.20329	6.55196
TECTA	4.90781	4.93978	4.97033	4.99764	5.06644	4.76614	5.21002	5.09385	4.88329
UBASH3B	7.93486	8.30749	7.78801	7.8121	6.65019	7.58572	8.03447	7.42211	8.31825
CRTAM	3.71223	3.96544	3.88196	4.14855	4.37116	4.04691	3.85882	3.98928	3.93106
C11orf63	6.93688	6.84189	6.46863	6.90414	5.82218	7.26196	8.04414	7.30129	7.71602
LOC341056	5.09578	5.2846	5.34947	6.01713	6.00952	5.86523	5.88015	5.64986	6.04562
GRAMD1B	5.81945	6.42704	6.0735	6.45502	6.73452	6.39087	7.00791	6.64922	6.74822
VWA5A	8.43009	7.75582	8.13041	7.477	6.51426	6.99587	8.05232	8.46573	8.00637
PANX3	5.30318	5.38707	5.42028	5.91412	6.69731	6.50247	5.88609	6.02569	5.80931
TBRG1	8.46831	8.25867	8.57521	7.45908	6.65475	6.4912	7.57449	7.31578	7.52919
SIAE	4.85728	4.90182	5.30173	5.4799	4.06188	4.33173	4.50894	4.52377	4.83709
SPA17	6.57733	6.38162	7.19052	7.28486	6.21288	6.6824	7.46613	6.43771	7.05581
ccdc15	6.7819	6.59098	6.4126	5.66493	5.46957	5.03098	5.95227	5.58604	5.58327
PKNOX2	5.49976	5.59243	5.55516	5.47919	5.80821	5.50903	5.38897	5.57385	5.49061
EI24	9.90692	9.66306	10.161	9.57078	8.53538	9.12055	10.1558	9.0678	9.66214
CHEK1	6.60433	6.26981	6.4538	6.76368	5.75787	5.51904	6.01722	6.05055	5.9407
PATE1	4.86765	5.03317	4.94052	4.9744	5.60204	5.60523	4.96943	5.28321	5.09144

PATE3	3.16396	3.5729	3.29538	3.24388	4.72868	4.03996	3.45749	3.6537	3.58909
PATE4	3.95155	4.12037	4.08307	4.459	4.79428	4.48645	4.39956	4.59376	4.43391
HYLS1	6.01272	5.63885	5.6787	6.00504	5.55297	5.9349	6.01921	5.14358	5.70236
DDX25	4.81194	4.95038	5.04327	4.99539	5.53208	5.27507	4.65353	5.16277	4.97746
FOXRED1	7.10311	7.29902	7.12168	6.29474	8.02808	6.6999	6.60467	6.96985	6.98026
TIRAP	6.87941	6.89229	6.91946	6.6057	6.54361	6.48718	6.64502	6.16886	6.11738
KIRREL3-AS2	3.95605	3.95644	3.66051	4.37444	6.50694	4.55615	4.13423	4.11461	4.29067
KIRREL3-AS3	5.46708	5.46378	5.50124	6.22416	6.75311	6.36087	6.24212	6.16293	5.70906
FLI1	7.34024	6.74014	7.58259	7.03192	6.53401	6.55713	7.01647	6.77111	6.82954
barx2	8.32463	6.86004	7.49771	7.4119	6.83175	7.39542	7.69178	7.27988	7.3651
TMEM45B	9.75131	9.51978	9.55567	9.68286	10.3634	10.8938	10.3752	10.9054	11.0639
LINC00167	5.4191	5.16718	5.14151	5.52014	5.91746	5.07803	5.12187	5.79427	5.45154
APLP2	10.5596	10.3501	10.5387	10.4966	7.75896	10.6086	10.5628	10.735	10.9215
ST14	9.40537	9.15589	9.05487	10.304	8.74127	10.4024	10.1367	10.1974	10.0379
NTM	6.34923	6.48672	6.1548	6.40944	6.95006	6.64021	6.61411	6.80333	6.52776
JAM3	7.18928	6.81177	7.09653	6.51306	6.60744	6.10647	6.58286	6.73859	6.52315
VPS26B	8.31929	8.43373	8.35267	7.72671	6.70077	7.35051	7.93657	7.76612	7.22298
LOC283177	5.19315	5.02141	5.59634	6.03312	7.03038	5.64986	5.02634	5.767	5.54361
SIRT3	6.98225	6.82961	6.86368	6.82774	6.34981	6.6371	6.80632	6.33625	6.79402
ifitm5	5.01061	5.18383	5.11118	5.65977	5.72832	5.60255	5.49	5.43116	5.5418
IFITM3	7.24781	6.81065	7.30939	7.77274	6.08189	6.68002	7.86242	7.33853	7.20856
SIGIRR	6.68709	6.41554	6.89184	7.18777	6.88372	7.20681	7.06749	7.05716	6.88803
ANO9	8.67453	8.80214	8.17825	8.0004	8.3815	8.37605	8.53762	8.93585	8.81311
RNH1	8.1407	8.08981	7.85281	9.28823	8.06375	9.8813	9.61692	8.56263	9.11419
HRAS	7.85751	7.89575	7.92134	8.367	6.57042	9.29812	8.56781	8.23755	8.38329
LMNTD2	7.09796	6.97229	7.04209	7.24151	7.12521	7.40707	7.26092	6.99477	7.37919

MIR210HG	8.30282	7.47463	7.7968	8.38607	7.66018	8.62107	8.18488	8.13091	7.8927
mir210	7.58359	7.54155	7.50428	8.30141	9.12553	8.48257	7.86027	8.19037	8.39119
LOC143666	5.50411	5.50094	5.6727	6.0509	5.95949	5.98952	6.13677	5.87757	5.66162
IRF7	6.66549	6.14066	6.02686	6.99557	6.15861	7.6433	7.35301	7.74272	7.35438
CDHR5	5.66276	6.0674	6.08389	6.43459	6.42845	6.83142	6.34466	6.46999	6.53193
SCT	5.92382	5.97253	5.81397	6.6394	6.2313	6.68737	6.29708	6.50091	6.29667
DEAF1	6.86276	7.10959	6.87021	6.75273	6.62464	7.2183	7.08994	6.64631	6.87884
PDDC1	7.1832	7.53529	7.33905	7.94244	7.30153	7.89366	7.90107	7.61644	7.82784
CEND1	6.175	6.15121	6.38358	6.79785	6.41163	6.79355	6.83307	6.76545	6.71562
PIDD1	6.69721	6.50989	6.81444	6.77076	6.86093	7.0171	6.76515	6.67849	6.53498
CHID1	7.44313	7.31679	7.55819	8.18946	6.5045	7.5055	8.21216	7.26042	7.80093
TOLLIP	7.62881	7.28014	7.47356	8.46473	7.25886	8.82367	8.63304	8.5488	8.04431
MOB2	6.77172	7.04765	6.89086	7.15479	6.51487	8.24212	7.29374	8.10973	7.58379
DUSP8	6.97248	6.58726	6.61735	7.92251	6.13282	7.91896	7.61277	7.29339	7.50883
Krtap5-1	7.22755	7.68068	7.47987	7.70112	9.22621	7.42058	6.93589	7.71574	7.7389
KRTAP5-2	5.65962	5.84642	5.59038	6.28945	6.58718	5.78536	6.02564	6.43226	6.29177
KRTAP5-3	4.61425	4.32384	4.90176	5.59496	5.54431	5.38768	5.15994	4.52838	4.61956
KRTAP5-4	4.28828	4.87855	4.54793	4.38604	6.68867	5.00077	3.78996	4.40191	4.67775
IFITM10	7.06154	7.2172	7.06122	7.03352	6.7999	7.0759	6.94577	6.85012	6.75331
CTSD	11.5022	10.8299	11.5049	11.1554	9.87985	10.9751	11.0499	10.5042	10.3563
MIR4298	5.96425	5.80495	5.7358	5.69862	6.73203	6.10378	5.75385	6.32198	5.88184
MRPL23-AS1	5.91158	6.11111	6.08418	6.5609	6.93454	6.76961	6.17167	6.52454	6.8268
INS-IGF2	6.14803	6.05036	6.09792	6.3205	6.26129	6.36286	5.82017	6.47594	6.49683
MIR483	6.55711	6.67579	6.45645	7.08707	8.47532	7.27801	7.13868	6.76782	7.00729
TH	6.49271	6.57674	6.67231	7.38416	7.24349	7.56654	7.19571	7.087	7.11207
ASCL2	6.49373	6.75809	6.25394	6.75388	6.00198	7.36033	7.21467	6.55472	6.84155

KCNQ1OT1	6.81758	6.49545	6.74582	6.11447	6.10118	5.89344	5.47041	6.81364	6.53492
CARS	7.7689	7.94439	7.41584	7.68138	6.61875	8.07411	8.14764	8.10992	7.8065
osbpI5	7.39109	7.35559	7.47231	6.90338	7.25217	7.10755	7.47621	7.21333	7.014
ZNF195	6.47737	6.40668	6.12885	5.03464	5.28578	4.53365	5.26768	5.35932	6.39735
ART5	4.84251	5.25204	5.0573	5.73221	5.69165	6.10014	5.90604	5.14967	5.52662
NUP98	9.38464	9.292	9.46012	8.87777	6.93166	8.26613	9.08904	9.23069	9.20232
RHOG	6.30091	6.20148	6.10569	7.23581	6.73491	7.17601	7.2298	6.50853	7.23545
TRIM21	6.68437	6.60936	6.09784	6.1961	5.50035	5.53868	6.38185	5.5514	5.93176
TRIM68	7.11873	7.63123	7.41759	6.50822	6.93751	6.36779	7.14633	6.54057	6.58127
UBQLN3	5.7107	5.73152	5.7419	6.10449	6.76826	6.4176	6.02904	6.60159	6.12045
UBQLNL	6.02381	5.88687	6.07227	5.59953	6.19394	5.5094	4.75727	5.83605	6.05786
TRIM5	6.75991	6.21631	6.43251	5.57063	5.87839	5.92239	5.6517	5.90008	5.9072
HPX	6.25013	6.43766	6.05865	5.90787	6.8507	6.26775	5.83613	6.15986	6.12498
TRIM3	6.27162	6.46404	6.45982	5.91842	6.47781	6.33309	6.23485	6.46032	6.44068
ARFIP2	8.20011	8.29277	8.32304	7.77097	8.12475	8.54746	8.28	8.74252	8.6063
TPP1	7.46625	7.24418	7.83905	7.05951	7.09111	7.21311	7.2383	7.31315	7.39003
MRPL17	7.28164	7.30323	7.42147	7.86392	6.5599	7.20943	7.82327	7.39374	7.19805
ZNF214	4.2339	4.28663	4.33613	4.26755	4.37517	4.67454	4.38999	3.91352	4.10662
CYB5R2	7.46025	7.06574	7.54817	7.70185	8.14822	8.43155	8.23761	7.62865	8.57787
OVCH2	7.47201	6.15603	7.01627	6.48834	5.87134	4.45927	5.09517	4.4624	5.61433
LOC283299	6.84858	5.81057	6.58673	6.54877	4.61375	3.98083	4.3443	3.94868	4.16322
RIC3	8.10822	8.1808	8.142	5.71742	6.46314	6.20096	5.8321	5.69459	5.77247
LMO1	5.60015	5.18042	5.42146	6.07009	5.24832	6.30224	5.82103	5.44282	5.74419
STK33	4.03847	4.42214	4.3009	5.13026	5.7146	4.57959	4.10578	4.44219	4.19785
TRIM66	7.34271	6.91818	7.5658	6.72882	6.99541	6.02051	6.24401	6.32674	6.60284
C11ORF16	5.91777	5.78032	5.77412	6.35294	6.73681	6.37544	5.64676	6.18227	6.0032

ASCL3	4.45574	4.73272	4.57165	4.6745	5.85362	4.75163	4.91882	4.50343	4.76241
NRIP3	6.29075	5.67336	5.95683	6.47354	6.45917	6.73628	6.88334	9.78229	6.28331
DENND5A	8.02941	7.94482	7.87155	7.25332	6.23727	6.7426	7.00718	7.19425	7.0978
TMEM41B	8.79323	8.52292	8.17804	8.21329	4.97159	8.14299	8.92189	8.86286	8.92124
LOC644656	5.64223	4.59621	5.11622	5.55436	5.38444	5.62321	5.1419	4.85906	5.32247
LOC440028	5.17334	4.82608	5.121	5.41813	5.82026	5.79823	5.06462	5.22404	5.68166
SBF2	9.53963	9.54185	9.44551	7.93662	6.7629	7.82148	7.97581	8.54312	8.54293
MTRNR2L8	11.8629	11.8908	12.2377	12.0427	12.5497	12.156	12.0078	12.6191	12.3128
RNF141	8.78374	8.79406	8.78556	8.57766	8.52385	9.06399	8.79078	8.83525	8.99272
LYVE1	7.48495	7.5379	9.69551	6.28141	6.70601	6.38582	7.96738	7.79741	8.03834
MRVI1	6.82696	6.4552	7.27256	6.16198	6.45099	6.33411	5.57883	6.44702	6.57855
GALNT18	6.81602	7.26257	7.37768	7.24482	7.35117	8.07729	7.73988	7.85912	7.69761
MIR4299	5.40508	6.15887	4.93678	5.30599	6.37321	5.87611	5.37949	5.05651	5.44979
DKK3	6.87751	6.82004	6.94524	6.86456	6.25825	6.50529	6.93805	6.96242	6.50745
LINC00958	6.37168	7.48598	7.05128	7.56522	6.39629	6.84811	6.58824	6.48689	6.64191
BTBD10	7.19487	7.50129	7.38123	7.61729	6.18226	8.0647	7.92765	7.76344	8.37309
PTH	2.64322	2.75302	2.73651	3.60269	3.67634	2.60115	2.85417	2.82857	3.34746
RRAS2	7.52287	7.67508	7.50253	8.49162	7.13914	8.9167	8.31468	9.62124	8.95051
CALCA	4.15736	4.58074	4.12134	3.73686	6.7162	4.81921	4.80585	4.58149	4.72502
SOX6	7.34099	7.00487	6.40513	6.20492	4.90626	5.45614	6.10977	5.17834	4.83912
SERGEF	6.57385	6.50252	6.22439	6.36317	6.39998	6.17299	6.35997	6.01236	6.04567
TPH1	5.10221	5.3968	5.59629	4.31888	4.80827	4.29882	3.72358	4.58231	4.26172
SAAL1	5.77705	5.91649	6.2	5.04319	4.99694	4.97925	5.68893	4.86281	4.95096
SAA3P	3.50836	3.59485	3.84733	4.63936	4.10386	4.41362	4.22697	3.9553	3.96824
hps5	7.81153	7.61096	7.62216	7.12778	7.12204	7.02117	7.36422	7.40716	7.15601
TSG101	9.21578	9.18974	9.26394	9.36136	8.90383	9.3917	9.68475	9.84596	9.83182

UEVLD	8.98274	8.95252	8.99183	7.82831	5.50525	7.77868	8.47829	7.99917	8.09511
CSRP3	4.55903	4.67306	5.00798	5.40265	6.09801	4.90778	5.02646	4.894	5.36541
E2F8	7.60753	7.2707	7.0367	7.23403	6.72213	7.58156	6.96957	7.27857	7.13845
NAV2-AS5	4.38575	4.67882	4.37581	5.09542	5.98815	5.219	4.73203	4.55857	5.04004
NAV2-AS4	5.18354	5.19298	5.09689	5.67987	6.46344	6.00527	5.83899	5.71635	5.74438
LOC100126784	5.50899	5.73268	5.68093	6.01035	5.83538	6.09166	6.43269	6.56599	6.10423
MIR4694	2.74707	2.38383	2.3235	2.97172	2.18698	2.64229	3.05322	2.79625	2.98264
DBX1	5.35427	4.93951	5.18452	6.1985	6.56888	5.95704	5.94187	5.81253	6.13046
SVIP	6.20204	5.69293	6.69864	5.29841	5.27859	5.01674	5.1566	5.10813	5.0529
CCDC179	3.52448	3.37646	3.35997	4.26896	4.89535	3.56416	3.28451	3.40559	3.34146
CCDC34	5.8902	6.35228	5.91195	5.64059	5.22572	5.99766	5.99381	5.4479	5.12451
LGR4	8.56674	9.3015	8.72256	7.48704	5.62927	9.65512	7.73146	7.84672	7.97962
LIN7C	10.6023	11.0243	10.7239	10.075	5.74119	9.36032	10.4575	9.93879	10.3899
BDNF	5.66146	5.86383	5.55129	5.59003	6.04227	6.0647	5.86383	5.67143	5.81297
KIF18A	6.72771	5.71913	5.92695	5.69012	4.81038	5.72486	6.09444	6.24578	5.57418
MPPED2	5.32574	5.7454	5.64793	4.61341	5.53638	4.83733	5.2396	5.33624	5.09825
DCDC5	4.9823	5.36154	5.24912	5.53631	5.88848	5.61724	5.32863	5.41545	5.2652
DCDC1	4.48062	4.59263	4.53416	4.49673	4.67526	4.48869	4.45194	4.57907	4.66186
IMMP1L	6.42606	6.55195	6.68146	5.46764	5.32993	5.04935	6.12128	5.19879	5.57393
PAX6	4.24433	3.98888	4.59035	4.8802	5.32611	5.29912	4.99234	5.06201	4.66603
WT1	4.70265	4.73223	4.55991	5.41093	6.17617	5.31711	5.34588	5.47073	5.46522
CCDC73	3.15874	3.04702	3.23529	3.54232	3.47557	3.86063	3.47339	3.43404	3.32321
FBXO3	8.87745	9.01911	8.7865	8.63923	6.8038	8.70745	9.11979	9.89725	9.48978
LMO2	6.57795	6.53418	6.59572	6.93856	7.30499	7.12519	7.13934	7.14834	6.75489
ABTB2	6.99602	7.09866	6.68634	7.10964	6.74417	7.35843	7.37703	8.3725	7.05428
ELF5	6.71303	6.84321	6.66873	5.90395	6.10898	6.24708	5.7287	6.03199	5.78088

APIP	6.30809	6.68345	6.89987	6.25295	5.66233	5.58012	6.45	5.73428	5.80541
PAMR1	5.92163	7.21	6.21234	5.42065	6.28957	5.10051	5.56071	5.48503	5.65229
COMMD9	8.06714	7.8206	8.12473	7.86092	7.2388	7.53128	7.95073	7.76423	7.75691
RAG2	3.70714	3.9571	3.81361	4.26757	5.27139	4.44915	4.07178	4.37317	4.54858
LRRC4C	3.68434	4.122	4.25443	4.14539	5.38593	4.52615	4.63171	3.71179	4.06007
LOC100507205	3.31278	3.23167	3.12603	3.46971	3.87853	4.32625	3.73777	3.41075	4.14774
HNRNPKP3	5.41801	4.93734	5.47235	6.0218	6.12461	5.61862	5.76719	5.68066	6.17905
ALKBH3-AS1	4.22958	4.13875	4.32647	4.30294	4.73569	4.54104	4.2215	4.08231	4.69378
ALX4	5.50786	5.52508	5.67398	6.45151	6.45468	6.54455	6.06196	6.35852	6.02251
TP53I11	7.22737	6.93032	7.3566	7.22602	6.7467	8.08609	7.19789	7.52872	8.13935
SYT13	5.47536	5.44927	5.69558	6.16652	6.41861	6.20761	5.84308	5.91282	5.85464
CHST1	5.70053	5.89049	5.71437	6.45452	6.48284	6.44893	6.35901	6.79019	5.85853
C11orf94	5.31877	5.37561	5.1635	5.81813	5.4511	5.49098	5.37281	5.33831	5.37908
PEX16	7.48512	7.72826	7.37491	7.89357	7.94371	7.82234	7.89101	7.81415	7.82774
PHF21A	8.46814	8.55729	8.27352	6.91456	6.8289	6.74378	7.59401	7.5331	7.17109
AMBRA1	8.06	7.66307	7.82631	7.57475	7.2796	7.17442	7.5726	7.96821	7.76292
HARBI1	5.87994	6.11334	5.8584	6.66944	5.86069	6.9086	6.87588	6.56101	6.66168
ARHGAP1	10.0672	9.79205	10.0193	10.4471	9.12904	10.1712	10.534	10.1568	10.1839
CKAP5	9.06208	8.7682	8.84325	8.46016	5.58541	8.40427	8.75581	8.89471	8.78258
LRP4	8.78732	9.62607	9.43071	7.66963	6.56605	7.11151	7.67922	6.84152	7.43772
ARFGAP2	8.05361	8.23026	7.73031	7.81889	7.02234	7.79562	8.11206	7.6052	7.96247
PACSIN3	7.54783	7.37516	7.40798	7.46053	6.62821	7.3836	8.02858	7.39306	7.46261
SPI1	6.91613	6.70567	6.9713	7.42901	7.54841	7.82444	7.28361	7.45344	7.25407
RAPSN	6.54616	6.74439	6.50286	6.84654	6.91473	6.80374	6.67917	6.85888	7.11072
C1QTNF4	5.77258	6.21985	5.9043	6.67135	5.46282	6.72349	6.01711	5.86811	6.17753
MTCH2	9.94991	9.98951	10.1122	10.1703	8.63434	9.9461	10.3474	9.86033	9.83433

AGBL2	5.45831	5.49977	5.25208	5.17725	5.55725	4.77369	5.35616	4.3942	4.87171
FNBP4	9.87086	10.1347	10.0824	8.18322	7.15381	7.84782	8.14459	9.35946	8.81406
NUP160	8.17152	8.08817	8.32779	7.8005	5.08149	6.69481	7.79209	7.09478	7.43207
OR4C45	4.19435	4.56051	4.48519	5.48812	7.52295	4.52926	5.27075	4.55787	4.34512
TRIM64C	5.38244	5.2789	5.07924	5.9154	6.95015	6.19924	5.47374	5.73859	5.51993
folh1	6.08598	4.73735	5.09771	4.32077	5.07899	4.46737	5.0467	5.07613	4.98572
LOC441601	5.5284	6.00792	6.07124	6.25473	7.43983	6.71369	6.24117	6.4409	6.1902
APLNR	7.43887	6.51403	6.96467	7.4943	6.13292	6.05789	6.48009	6.52477	5.98929
SSRP1	8.37413	8.59986	8.49513	8.84844	6.36854	8.30436	8.89417	8.00394	8.23434
PRG3	4.98414	4.64405	5.30784	5.75109	6.27429	5.84082	5.58523	5.90898	6.05168
TIMM10	7.61775	7.75176	7.80947	8.67061	7.38134	8.0299	9.00077	7.41437	7.64235
UBE2L6	6.55635	6.50696	6.38693	6.57561	5.82187	6.29292	6.64033	6.19686	6.3026
YPEL4	5.05278	5.38478	5.44223	5.86356	6.34676	5.83804	5.46391	5.81786	5.81071
MED19	6.82988	6.81911	6.69413	6.6113	5.93823	6.84031	6.67298	6.73901	6.76987
Btd18	4.82273	4.35487	4.8654	4.58005	5.01316	4.3049	4.61627	4.5279	5.03762
LPXN	7.19502	7.02367	7.76645	6.28549	6.3395	6.07816	6.53841	7.11717	6.92163
GLYAT	4.3253	4.52019	4.23549	4.49651	6.37923	4.75386	4.66869	4.86155	4.67466
GLYATL2	8.01995	5.58757	7.09034	4.44962	5.04559	4.84537	5.35728	4.36741	3.8256
LOC283194	5.03344	4.76216	4.84186	4.64233	5.81066	4.61112	4.72948	4.78581	4.53401
MPEG1	8.24534	7.51077	8.92517	7.41832	7.32724	6.75364	7.42524	6.38388	7.05285
OSBP	9.69974	9.81521	9.75725	8.96449	6.98708	8.71816	9.21724	8.84188	8.66817
MIR3162	3.58797	3.19804	3.47063	4.03557	4.21439	4.64524	5.01896	3.94093	4.17728
patl1	9.91264	10.0521	10.3814	9.25602	8.11528	9.29538	9.54203	9.44217	9.73946
MRPL16	7.18441	7.1367	7.2383	7.4044	5.81143	6.64065	7.53002	6.75745	6.64223
GIF	4.29582	4.45063	4.10166	4.96205	5.06339	5.15688	4.22449	4.91561	4.79664
PTGDR2	6.74893	6.77299	6.76588	6.83714	7.54407	7.35055	7.21153	6.90736	7.10256

PRPF19	7.91959	7.96642	8.01202	8.28181	5.84872	7.29291	8.37031	6.88879	7.05623
VPS37C	7.19683	7.29639	6.91737	6.74549	6.25334	6.74795	7.24497	6.97142	7.18674
VWCE	6.34189	6.79686	6.90154	7.0213	7.07952	7.30733	6.80578	6.53902	6.63223
SYT7	6.12585	5.95508	5.43552	5.68773	6.12996	7.12892	6.52953	6.07633	6.17599
TMEM258	6.52778	6.7254	6.79972	7.96183	7.67677	7.93521	8.3167	7.17527	7.43178
FADS1	6.61617	6.48642	6.51866	7.1237	6.90667	6.74229	7.21971	7.23392	6.96755
FADS3	6.90839	6.61521	7.16226	7.02272	6.33199	7.03874	7.0669	7.1407	7.0685
RAB31L1	6.37398	6.57419	6.46685	6.56526	6.71539	6.76806	6.62265	6.66815	6.5348
LOC100507521	4.51408	5.07213	4.7732	5.58867	5.78515	5.52388	5.14526	5.44033	5.09385
AHNAK	10.6659	10.7594	10.8529	10.3526	8.63132	10.6344	10.6291	10.667	10.5857
EEF1G	10.6362	10.6544	10.7021	10.6462	10.2006	10.7362	10.5563	10.5006	10.5196
EML3	7.86394	7.54424	7.61191	7.63079	6.63392	7.67297	7.5615	7.33375	7.5964
INTS5	6.29647	5.94166	5.79984	6.77624	5.50687	5.95293	7.05751	6.05571	5.84407
LBHD1	6.81423	6.78137	6.86052	6.87764	6.91365	6.32954	7.02024	7.11913	6.88396
UBXN1	7.29356	7.26193	7.23375	6.73316	6.42448	7.34127	6.92634	7.08428	6.78778
LRRN4CL	6.0208	6.46774	6.65031	6.71509	6.53581	7.09962	6.13157	6.44261	6.07813
HNRNPUL2	7.67698	7.71098	7.7879	7.28081	6.54989	7.43932	7.7073	7.373	7.27614
zbtb3	6.07839	6.12905	5.73324	5.82082	5.6096	5.7938	6.27201	5.63692	5.9179
TMEM223	6.74718	6.86767	6.66066	6.38271	6.15332	6.47731	6.88314	6.4384	6.56844
NXF1	10.2694	9.75673	9.69755	9.53947	7.95327	8.67212	9.58531	9.18856	9.55552
STX5	8.31154	7.97229	8.24076	8.1899	6.85058	8.36048	8.02649	8.56832	8.38596
WDR74	8.16988	7.83012	8.26237	7.75722	6.89232	6.98665	8.00145	7.26705	7.16716
HRASLS2	5.04385	5.3594	5.10554	5.41992	5.41189	6.45847	5.3388	5.35907	5.53157
ATL3	9.69984	9.36737	9.89561	9.49882	7.0075	9.54539	10.0615	9.4558	9.89034
c11orf95	5.94096	5.96459	6.06421	6.33122	6.1522	6.62616	6.59716	6.63601	6.67946
rcor2	5.60988	5.73269	5.52827	6.44314	6.04192	6.51254	6.36802	6.32491	6.07739

MACROD1	6.33028	6.35758	6.20392	6.47676	6.5947	6.78936	6.45426	6.49151	6.50387
TRPT1	6.75992	7.01918	6.74642	7.26292	6.78543	7.96225	7.50771	7.44793	7.44715
BAD	7.36206	7.51429	7.58052	8.0537	7.18	8.20036	7.93178	7.86571	7.76905
TRMT112	7.25519	6.91853	7.25902	8.14298	6.8163	7.84601	8.12704	7.38464	7.5743
NRXN2	5.12749	5.55877	5.2883	5.55938	5.71319	5.44089	5.56525	5.14025	5.74956
RASGRP2	5.6609	5.30221	5.51661	5.32858	5.55086	5.64809	5.67453	6.29166	5.62025
SF1	9.79292	9.68792	9.81078	9.51273	7.66443	8.76206	9.28615	8.98329	9.37287
MAP4K2	6.82888	6.68203	6.92398	6.71523	6.38448	6.7007	7.02217	7.7215	7.10186
MEN1	7.90357	7.7193	7.77976	8.23595	7.33656	7.97306	8.10812	7.57067	7.57154
CDC42BPG	7.54362	7.35626	7.32647	7.42111	6.81059	7.52533	7.34113	7.59401	7.35236
EHD1	6.53995	6.19083	6.23261	6.75222	6.21553	7.14346	6.65217	7.28575	7.19281
mir192	5.01356	4.86037	4.73001	5.4142	5.88245	5.72104	5.222	5.19196	5.27368
ATG2A	7.84267	7.48292	7.45403	7.82276	6.94003	8.19452	7.87504	8.47768	7.97547
GPHA2	6.33288	6.57554	6.49576	6.823	7.40964	6.88485	6.75508	6.63077	7.01779
NAALADL1	6.14044	6.24625	6.0782	6.73822	6.80266	6.62854	6.89143	6.48103	6.46617
CDCA5	6.41727	6.51235	6.50786	7.19873	7.27425	7.12901	6.78472	7.16201	6.74346
TMEM262	5.09788	4.94276	5.10207	5.64348	6.02798	5.77621	5.25212	5.81136	5.53123
FAU	7.41956	6.6012	7.02893	7.3135	6.35724	7.0189	7.34797	7.23473	7.15838
LTBP3	7.19596	7.04071	7.32607	7.36942	6.62172	7.29722	7.1721	6.78733	6.59688
SSSCA1-AS1	7.43131	7.18262	6.95106	7.13178	6.88499	7.34538	6.89701	7.048	6.98136
MAP3K11	7.28154	6.96452	7.11065	7.38093	6.93936	7.84761	7.74449	7.47988	7.85762
RELA	8.73141	8.42345	8.39764	9.28331	8.6974	9.84749	9.3487	9.06812	9.2858
CFL1	5.52254	5.66049	5.65423	6.06906	5.50625	6.35337	6.09584	6.03785	6.02399
EFEMP2	7.3186	6.82746	7.34378	7.36454	6.94554	7.48062	6.8499	7.35295	7.09816
FIBP	7.59065	7.57533	7.69574	8.30625	7.38236	7.87408	8.61178	7.66864	7.74341
fosl1	8.02828	6.31066	6.58021	10.0202	9.88673	11.2347	9.98953	10.3355	11.0648

c11orf68	6.74101	6.47009	6.41555	6.93525	6.49104	7.87918	7.89163	7.7106	7.48885
EIF1AD	8.18513	8.25807	8.29105	8.0343	6.89818	8.2881	8.79719	8.31693	8.52375
GAL3ST3	6.34424	6.6542	6.59033	6.80464	7.00434	7.23542	6.94161	6.81876	6.87624
YIF1A	7.50492	7.32289	7.50953	8.03448	7.39402	7.83798	8.37695	7.52766	8.0291
RIN1	7.49143	7.54374	7.43173	7.45618	7.51592	7.53501	8.23106	7.35096	7.23269
brms1	7.15205	7.27325	7.20045	7.96405	6.78697	7.62892	8.32218	7.84273	7.6289
MRPL11	8.87592	8.60874	9.04567	8.65725	6.38481	8.15694	8.76428	7.25501	8.36708
CTSF	6.81784	6.80329	6.7444	6.59011	6.29485	5.7208	6.57829	6.25738	6.67288
CCDC87	4.71338	4.70773	4.69991	4.52748	5.3803	5.28957	4.49217	5.20945	5.26709
RBM4B	7.46533	7.44414	7.10935	6.8344	7.49767	6.61787	6.9804	6.58859	6.89037
RBM4	3.54142	3.61484	3.38245	2.7155	2.63718	2.90057	2.7522	3.21074	3.06158
PC	6.44859	6.25635	6.15558	7.14988	5.99657	7.69674	7.19549	7.23177	7.25037
MIR3163	7.35186	7.28511	7.25922	6.83271	8.57984	7.51626	7.1348	7.66857	7.82524
CLCF1	7.04002	7.00389	7.2303	8.20134	7.29136	8.39487	7.84204	7.99955	8.51482
GPR152	6.28248	5.88411	6.07749	6.17626	7.34419	6.4543	6.36194	6.34425	6.4316
TMEM134	7.69492	8.03691	7.72206	7.33261	7.52097	7.24412	7.37121	7.77183	7.31179
CDK2AP2	6.30775	5.32688	6.17268	6.7686	5.67568	6.39247	7.33665	6.27589	6.47959
CABP2	5.33885	5.63083	5.69523	6.39649	6.11515	6.47564	5.75352	6.44072	6.25251
NUDT8	8.20223	8.24041	8.39539	8.9121	9.15739	9.06577	9.28961	8.54563	8.4709
TBX10	6.41	6.55903	6.56713	6.69217	7.34247	6.70865	6.62609	6.67642	6.57085
ACY3	5.5601	5.5627	5.83366	6.54504	6.5339	6.53299	6.44939	6.44087	6.51147
unc93b1	7.2485	6.97025	7.35207	7.41364	7.56519	7.81278	7.90709	7.21835	7.49741
CHKA	6.63543	6.52407	6.76963	5.72577	5.5622	5.77556	5.87597	5.69072	5.91549
KMT5B	8.82186	9.74303	8.79996	8.81851	8.21339	9.11163	9.25216	8.51351	8.79501
C11orf24	6.95651	6.56478	7.01721	7.60639	6.61281	7.43003	7.60449	7.21393	7.43854
CPT1A	7.72824	8.1622	8.21788	7.84011	6.96254	7.5007	8.15409	8.1585	7.55852

MRPL21	7.36256	7.19984	7.27625	7.62013	6.87642	7.72709	7.77169	7.12139	7.08146
ORAOV1	5.86415	6.45993	5.88941	5.86075	5.5568	5.44829	5.81121	5.48644	5.39371
FGF19	5.29534	5.60322	5.37039	6.48671	5.58759	6.61439	5.85036	6.17459	6.10837
FGF4	5.90135	6.30621	6.17307	6.76143	6.23139	6.75963	6.54127	6.83077	6.53816
FGF3	5.52302	5.82418	5.70226	6.07302	5.66585	6.61789	5.66464	5.89565	6.10572
SHANK2	6.57037	6.68711	6.66693	7.13115	6.72408	7.96194	7.45145	8.16016	7.99072
MIR3664	3.57608	4.50559	4.16624	4.57103	3.77894	5.38944	5.15758	4.39094	4.33193
FLJ42102	6.58173	6.36014	6.56504	7.00393	7.34969	7.03889	6.74915	7.14432	6.62312
DHCR7	9.03544	8.84645	9.1793	8.66827	7.86897	8.51084	9.43232	8.48833	9.16755
KRTAP5-11	5.31353	5.44711	5.3369	5.64582	5.78959	5.76133	5.36588	5.87769	5.74061
NUMA1	8.55185	8.50274	8.45822	8.0867	7.58549	7.86247	8.19522	8.1808	8.2966
MIR3165	4.61412	4.78949	4.63032	5.14407	5.23721	5.1718	4.8654	4.7791	4.90317
ANAPC15	7.126	6.90615	7.38228	6.95473	6.67705	6.93985	7.67247	6.60965	7.16677
PHOX2A	5.6592	5.81418	5.8308	6.56252	6.90347	6.94134	6.27228	6.22327	6.46701
CLPB	7.32262	7.09209	7.21227	7.29816	6.7404	7.43079	7.66313	7.11875	7.36193
mir139	5.68395	5.58783	5.63191	5.61958	6.21568	6.22859	5.49989	5.61242	5.62885
STARD10	7.24256	6.98511	6.81155	7.84763	7.65086	7.92112	7.95032	7.82577	7.99713
FCHSD2	7.83043	7.79697	7.9643	6.61618	5.75691	5.97612	7.18686	6.43845	6.95367
COA4	7.06481	7.47564	7.56111	6.87265	6.45913	6.36355	6.39557	6.63202	6.5995
C2CD3	7.54644	7.52488	7.54976	6.66092	6.75868	5.94675	6.54233	6.41018	6.49359
PGM2L1	6.39949	6.5519	6.40338	6.5621	6.19188	6.36509	6.7824	6.76036	6.57244
LIPT2	6.8884	7.35314	7.24074	6.82797	6.53235	6.7294	7.48176	6.12735	6.08601
CHRD2	7.07254	6.93639	6.82495	6.75492	6.97549	7.04711	7.06347	7.08063	6.96717
MIR4696	1.90938	2.10099	1.69521	2.11805	2.01204	2.4717	2.74848	1.95008	2.0762
XRR1	7.00728	6.91405	6.93272	6.32672	6.23996	6.68642	6.51346	5.86462	5.98214
MIR326	7.02651	7.43203	6.93124	7.6818	8.42339	8.29729	7.47524	7.75775	7.82534

KLHL35	6.24865	5.79074	5.88221	6.72222	6.31013	6.54839	6.20894	6.16893	6.43277
GDPD5	6.68112	6.49463	6.82304	6.52818	6.70996	7.02661	6.35432	6.83518	6.57454
MAP6	6.57409	6.26707	6.86823	6.67314	6.65623	6.8811	6.52817	6.69797	6.4581
LOC283214	5.34798	5.41191	5.52527	6.31888	7.33666	6.31551	6.18063	6.00199	6.31098
LRRC32	6.71532	6.82363	7.50183	6.61803	6.23462	6.5102	6.77499	7.45269	7.22734
GDPD4	4.8785	5.02058	4.84001	5.30332	6.61651	5.25038	4.55189	5.29908	5.2443
PAK1	7.98096	7.94206	7.5577	8.06414	7.47244	8.13593	8.03971	8.38401	8.44507
RSF1	7.68577	7.81867	7.61982	6.89384	5.56144	7.006	6.78147	6.8184	6.66583
INTS4	8.48721	8.3427	8.73927	6.81218	5.63732	5.77943	7.4099	7.04892	7.18507
KCTD21	6.88883	6.94736	6.9833	7.65824	7.34098	7.78753	7.73921	8.21583	7.76712
GAB2	7.22717	7.34165	7.05221	6.69312	5.56067	7.36851	7.00064	7.02108	7.8208
MIR708	6.55672	6.54072	6.06468	4.57922	5.80391	3.4442	3.9744	3.90147	3.84714
MIR4300	4.78172	4.77836	4.95977	4.97731	6.19579	5.05938	4.54178	5.335	5.20164
PRCP	7.39235	6.99268	7.33746	6.65912	6.6728	6.7019	6.84954	6.95458	6.44733
CCDC90B	7.3164	7.0359	7.54075	6.94333	5.45364	6.45791	7.42732	6.65472	6.90356
CREBZF	7.87484	8.40605	7.73216	7.30241	6.24211	6.8482	7.36726	7.32029	7.44366
CCDC89	5.27606	5.15483	4.9691	4.80388	4.84278	5.32621	5.17521	4.59071	4.89404
SYTL2	7.46395	7.31291	7.08562	6.82835	5.9705	5.58764	6.31929	5.49327	5.68447
PICALM	10.3331	10.0776	10.2948	9.56725	8.01933	9.86787	9.61446	10.433	10.0718
FZD4	7.39097	7.87694	8.18466	6.68081	6.32965	6.48785	6.85853	7.07255	6.55563
CTSC	10.1796	9.83355	9.84523	10.194	7.34492	9.75254	10.1122	8.65635	9.6746
NOX4	5.48466	5.19375	5.85823	6.01118	5.1463	5.56454	5.53653	5.95617	5.812
TRIM49	5.64793	5.45037	5.56919	5.81813	7.48276	5.42872	6.07812	5.10533	5.08371
TRIM64B	5.61749	5.28568	5.16743	5.66808	6.7971	5.10248	5.36388	5.80539	5.67817
CHORDC1	6.51766	6.93353	6.96475	6.41207	5.70132	6.15116	6.31434	6.81077	6.87299
MIR4490	2.21472	2.28296	1.98133	2.85834	2.12119	2.08062	2.7405	2.75651	2.04297

MIR1261	2.9567	2.50927	2.60699	2.34133	5.24591	2.73177	3.2586	2.68096	2.76899
SMCO4	5.54249	5.20712	5.6822	5.7722	5.72602	5.43716	6.20997	5.39372	5.62691
VSTM5	5.66309	5.17762	5.43866	5.59564	6.34764	6.05603	5.83165	5.73116	5.94734
GPR83	5.42279	5.57136	5.39094	6.07864	6.74855	6.21828	5.76847	6.06278	5.62114
MRE11	7.769	7.58664	7.94619	6.61669	5.55978	5.93954	6.4237	6.22182	6.10059
MIR548L	6.78338	7.3497	7.55689	4.40493	5.86465	3.34138	4.17728	5.13012	3.85304
CWC15	7.57976	7.77306	7.59385	7.94705	6.24531	7.49384	8.34183	7.31979	7.34074
SESN3	8.29842	8.5321	8.429	7.9709	5.48893	7.23321	8.29886	7.34005	6.90635
MTMR2	8.55331	8.37348	8.3571	8.47393	6.03481	7.95218	8.38653	7.99824	8.60421
CCDC82	7.71468	7.44177	7.79821	6.76706	5.87897	6.10783	6.73167	6.88427	6.61204
JRKL-AS1	4.77692	4.52082	4.73996	4.81625	5.27697	5.20772	4.82069	4.7985	4.76392
PGR	4.47909	5.01164	4.91809	4.49308	4.91232	4.66282	4.69368	4.59054	4.5889
MIR3920	1.95248	1.92654	2.08598	2.59896	1.80293	2.5553	2.30044	2.1916	2.05032
ANGPTL5	3.50665	3.82885	4.55046	4.01274	3.71337	3.99626	3.99725	3.84999	4.0496
MMP20	4.66593	5.11204	5.1634	5.54466	6.23357	5.82582	5.30972	5.60939	5.51156
MMP27	5.48575	5.40944	6.35811	5.06026	5.87839	5.26133	5.57743	5.02618	4.60423
MMP8	4.53681	4.70719	4.56494	4.88491	6.19815	5.09293	4.84374	4.77652	5.42499
MMP10	3.57963	3.65904	3.45639	5.01705	4.063	6.41731	4.25853	6.57477	6.1476
MMP1	3.18646	3.78109	3.63158	10.211	5.43564	11.0003	8.76029	11.2845	11.1841
MMP12	4.43908	4.27017	4.21068	4.59753	4.9622	6.02781	5.91986	7.4011	8.21728
MMP13	3.4737	3.73399	3.76962	5.348	4.49884	4.69157	4.79959	4.10375	4.94404
PDGFD	7.09316	7.08589	7.48462	5.37469	5.97937	5.34582	5.64424	5.94709	5.82576
CASP12	5.53634	5.76352	6.17661	5.42683	6.0514	5.0666	5.1227	5.18953	4.926
MSANTD4	6.17452	6.48916	6.54614	5.69446	5.37519	5.39341	6.09876	5.11142	5.41274
kbtbd3	6.57098	6.78332	6.62947	5.27853	5.53433	4.9575	5.98928	5.72048	5.02809
SLN	5.84112	4.9857	5.81479	5.44699	6.35321	5.4061	5.67814	5.57626	7.3209

c11orf65	5.58817	5.19461	5.04192	4.90999	5.10675	4.82834	4.30116	4.05211	4.44718
KDELC2	8.05756	8.1609	8.02925	8.3123	6.34652	7.48058	7.99633	7.07464	6.93978
EXPH5	8.73492	9.06369	8.9776	7.47951	6.73022	8.12622	7.57362	8.42009	8.63054
RDX	6.07138	5.66513	6.33544	5.69539	3.86789	5.12068	5.73935	5.87625	5.92309
ARHGAP20	6.33713	5.96117	6.54098	6.10256	6.4809	5.61643	5.96677	5.58676	5.82302
POU2AF1	5.27904	5.36831	5.26499	5.39356	6.32169	5.9083	5.49274	5.46775	5.788
LOC100132078	4.23467	4.2941	3.62066	4.29907	4.31429	4.40765	4.52264	4.70498	4.18651
BTG4	3.70024	3.77001	4.10189	4.0796	4.26046	4.10102	4.33268	4.07564	4.37232
PIH1D2	4.53788	4.26299	4.60852	4.03003	4.19165	4.14314	4.52467	3.70256	4.1168
TIMM8B	7.25631	7.48206	7.11434	8.05029	7.3425	7.69894	8.66099	6.32251	7.4104
IL18	9.28603	9.04836	8.48003	8.59926	5.20148	6.63243	7.8796	8.70681	7.66618
PLET1	5.09054	4.62431	5.10612	5.20648	6.69883	4.75457	5.54431	5.15624	5.36521
NCAM1-AS1	5.46821	5.37447	5.48023	5.73642	6.57218	5.916	5.80466	6.12618	5.83754
DRD2	6.22665	5.86391	6.05224	5.95678	6.77418	6.31618	6.17974	6.04749	5.62273
MIR4301	3.41359	3.84842	2.91952	3.66266	4.27191	4.03374	3.4264	3.20791	3.22129
USP28	7.76259	7.85571	7.51338	6.66635	5.99697	6.61211	6.80059	6.84395	6.2443
BUD13	7.17162	7.38914	7.38478	7.15057	5.73748	6.51177	7.14832	7.11664	7.09991
ZPR1	7.89727	7.97575	7.82445	8.34266	6.95431	7.95635	8.70894	8.01971	8.56089
APOA5	7.30097	7.06404	7.37233	7.8449	8.48945	7.55159	7.45604	7.64316	7.43886
APOA4	5.54563	5.72891	5.64882	6.32802	6.47553	6.18228	6.10088	5.97286	6.18548
APOA1	5.71721	5.55359	5.81169	6.16798	7.12031	6.66945	5.78979	6.37328	6.22815
SIK3	8.49585	8.35009	8.42896	8.18268	7.29331	8.70696	8.50623	8.80186	8.86117
SIK3-IT1	7.4838	6.96428	7.45683	5.08122	5.42127	4.38749	4.98238	6.42944	7.25469
LOC100652768	6.65476	6.70134	6.9821	7.21666	6.61906	6.85853	6.77461	7.04867	7.04134
pcsk7	8.50621	8.42434	8.42723	8.05584	7.45356	8.12517	8.38442	7.96516	8.20267
BACE1	8.24095	8.40503	8.29558	8.09027	6.64668	7.58693	8.22632	6.98533	7.62295

dscaml1	5.69136	5.71004	5.95217	6.26792	6.35797	6.54039	5.79397	6.15719	6.1993
TMPRSS4-AS1	5.71684	5.90013	5.67583	5.73831	6.73889	5.85899	5.85545	6.10663	5.92677
MPZL3	10.9993	10.6254	10.2927	10.8056	11.0457	11.7628	10.7542	12.1388	11.6542
MPZL2	10.3981	9.81237	10.1357	9.92762	9.1195	8.75759	9.86576	9.31462	10.4418
IFT46	6.9941	7.01319	6.44021	7.05196	5.81702	6.24578	7.16119	6.09274	6.31585
TREH	5.57092	5.62373	5.74184	6.16255	6.27063	6.56421	5.72544	6.16074	5.9078
DDX6	10.0062	10.0064	9.89614	9.93935	7.49804	9.94026	10.1911	9.71981	10.1341
RPL23AP64	5.2971	5.36685	5.50247	6.18706	5.23033	5.85623	5.81137	5.95021	5.64403
DPAGT1	7.87871	7.16885	7.43042	7.63107	6.93746	6.80645	7.50458	6.9814	7.50944
CCDC153	5.98138	6.24512	6.3966	6.41964	7.3561	6.64348	6.47167	6.58268	6.66319
MCAM	7.15553	6.47468	6.93856	7.34034	6.08328	7.11817	7.70153	7.20911	7.75333
C1QTNF5	6.20494	6.16032	6.3259	6.65556	6.91643	6.50218	6.49688	6.7362	6.7127
THY1	7.4455	7.2322	6.96872	8.1633	7.234	7.56772	7.57563	7.72566	7.44899
NECTIN1	7.14674	6.50682	6.75679	6.98262	5.71755	7.36921	7.41774	7.01588	7.40418
TRIM29	9.42741	9.14761	9.14638	8.79447	8.17054	9.00745	8.92574	8.8149	9.15615
LOC649133	5.3194	5.23634	5.2834	5.33439	6.78736	5.62169	5.30988	5.46221	5.5916
MIR100HG	6.00154	6.31888	6.13866	5.88229	6.28167	5.65425	5.75496	6.23186	5.78871
Mir125b1	3.02495	3.16314	3.19281	3.52398	2.91528	4.44763	4.09427	3.31858	3.06195
MIRLET7A2	2.52762	3.45695	3.03194	2.65591	3.20562	2.52455	2.74687	3.45439	2.2949
MIR100	2.9889	2.89989	2.45217	2.87979	3.57871	3.63087	2.98726	3.18526	2.73457
BSX	6.08276	6.01048	6.13924	6.73381	7.34935	6.77432	6.36483	6.72498	6.22262
CLMP	7.11008	7.07743	7.84484	7.75525	6.44358	7.91103	7.71951	8.23781	7.98086
MIR4493	4.61944	4.62919	4.26818	4.78348	5.0915	4.76681	5.13364	5.02169	4.8784
ZNF202	7.09753	7.22798	6.87909	6.65069	6.81738	6.09901	6.33456	6.25095	6.4217
TMEM225	3.46348	3.40107	3.39863	3.94228	4.70144	4.12892	3.85259	3.84717	3.67223
VSIG2	7.00139	7.12677	6.86506	6.74205	7.70093	7.45627	6.86828	7.28516	7.1255

ESAM	8.35293	7.71468	8.46539	8.3798	7.24353	8.46289	8.0272	9.13575	8.61826
MSANTD2	8.09672	8.09629	8.20084	7.58328	7.50365	7.00477	7.35109	7.09679	7.81267
TMEM218	6.32725	6.57292	6.31162	6.86525	5.66302	5.91376	6.60281	6.18041	6.1963
FEZ1	6.2459	6.11123	6.18185	7.20398	6.64971	6.50832	7.02452	6.71257	6.90213
ACRV1	4.77283	4.20686	4.39778	5.46129	5.79454	5.49593	5.36847	4.85162	4.90899
PATE2	4.06155	4.09113	4.13603	4.09836	5.53505	4.76801	4.12016	4.26768	4.17728
PUS3	6.65689	6.91322	6.48372	6.25682	5.24889	5.65801	6.89336	6.77137	6.5438
CDON	8.30207	7.86983	7.90652	5.94006	6.09156	5.62839	6.11541	5.47062	5.17898
RPUSD4	6.93294	6.72378	6.83661	6.82756	6.82275	6.49035	6.96481	6.26498	6.78594
SRPRA	9.82314	9.48308	10.0008	9.51331	8.04792	9.14602	9.87976	9.48104	9.69401
ST3GAL4-AS1	5.666	5.97725	5.94645	6.49142	7.15625	6.87398	6.37948	6.89984	6.48546
KIRREL3	5.32195	5.31185	5.28827	5.83766	6.69684	5.74178	5.29704	5.86726	5.66433
MIR3167	2.33663	1.90604	2.03941	2.36329	2.12034	2.14217	2.2786	2.01891	2.03079
ETS1	7.89586	7.35169	7.81894	8.44488	6.63554	8.95292	8.41573	8.93665	9.42943
SENCR	5.49889	5.52017	5.77285	5.96442	6.00845	6.04544	6.06596	6.0592	5.74616
C11orf45	5.64993	6.04522	5.3869	5.23917	5.75416	5.76656	5.53166	5.69164	5.96141
TP53AIP1	8.6274	8.59663	8.1638	8.15424	6.98276	7.17615	8.06927	7.45385	7.74994
ARHGAP32	10.3966	10.3283	10.3237	9.30471	7.96101	9.76913	9.74547	10.3822	10.4734
NFRKB	7.30579	7.36207	7.10492	6.82763	5.96657	6.45318	7.17161	6.93547	6.36607
PRDM10	8.06607	8.18257	7.70908	7.28779	6.14962	7.11555	7.15907	6.95664	7.6127
ZBTB44	9.12124	9.51808	9.37867	8.31814	6.84799	7.43715	8.66955	7.53481	7.80011
SNX19	8.0898	7.96462	8.37047	6.7868	6.19479	6.41705	7.30314	7.12768	7.45804
OPCML	5.52714	5.58144	5.61872	6.11095	6.77946	6.35446	5.62881	6.14955	5.83565
SPATA19	5.44093	5.74666	5.66792	5.729	6.2879	5.77075	5.58325	5.35544	5.76983
MIR4697HG	4.63826	4.84378	5.01277	4.54944	5.26552	5.14776	4.342	4.80487	4.7958
THYN1	7.0039	7.25949	7.36512	6.67187	6.16584	5.42617	6.62828	5.83136	5.89412

iqsec3	5.90452	6.29224	6.12064	6.51018	6.99562	6.93151	6.32465	6.65026	6.62427
CCDC77	6.0872	6.21027	6.23887	5.93716	5.33407	5.89805	5.82484	5.49056	5.83727
WNK1	11.1914	11.096	11.2973	10.4134	8.633	9.96091	10.5951	10.7755	10.9259
ERC1	9.47068	9.32931	9.01671	8.66356	7.02951	8.80802	8.88455	9.59449	9.67774
LINC00942	4.77071	4.56324	4.72688	4.76604	5.30685	5.11235	5.08544	5.28471	5.34341
ADIPOR2	7.7151	8.00804	7.66309	8.00594	6.7527	7.8533	8.01701	8.60025	8.91675
LRTM2	5.71569	6.05147	6.16432	6.70729	6.58418	6.63275	6.31052	6.64095	6.35862
CACNA1C-IT3	5.19672	4.89366	5.01931	4.15424	5.49703	4.62189	4.21804	4.5541	4.96709
ITFG2	8.39098	8.12429	8.47895	7.33225	6.3754	7.16162	7.5225	6.69847	7.12772
RHNO1	7.05858	7.36098	7.25176	7.20993	6.40651	6.93001	7.04821	6.20844	6.4793
TULP3	9.28038	9.21383	8.81957	8.31758	6.62709	8.70538	8.09711	8.181	8.42975
TEAD4	7.7317	7.55063	7.6223	8.33511	7.5068	7.94009	8.52218	7.74214	8.13625
TSPAN9	7.84105	7.45563	7.40543	7.02951	6.20559	7.1377	7.21824	7.18952	6.85439
PRMT8	5.40443	5.80289	5.59823	5.88425	6.76848	6.08854	6.04409	6.10472	6.30006
CCND2	7.61139	8.08267	7.49166	8.49885	7.05313	7.8139	8.33694	7.85462	7.78115
TIGAR	7.18762	6.89611	6.77451	7.42651	7.08976	7.99017	8.52985	8.05687	7.87801
RAD51AP1	5.57928	5.60216	5.65375	5.61969	5.44101	5.00771	5.17861	4.90527	5.2372
DYRK4	5.05474	4.97617	5.09019	5.22676	5.46199	5.19626	5.18306	4.81353	5.08861
GALNT8	5.28112	5.18458	5.14047	5.64373	5.86483	5.58851	5.6998	5.57952	5.44243
NTF3	5.97223	5.77191	6.01838	6.02216	6.42663	6.44073	6.31575	6.07208	5.80733
CD9	7.31246	7.25229	7.51313	7.45123	6.02527	7.38233	7.89394	7.55806	7.71029
CD27	6.44302	6.34506	6.67941	6.5912	6.59556	6.81341	6.97461	6.64317	6.36049
TAPBPL	7.41537	7.47169	7.60982	6.96682	6.75444	6.52624	7.13793	6.65145	6.67582
Scarna10	8.66387	10.0162	8.70204	9.03215	9.0307	9.37913	9.47218	8.23888	7.54368
GAPDH	7.92551	7.59381	8.08224	8.29436	8.06792	8.32237	7.95628	8.26396	8.17117
ZNF384	6.09897	5.98524	6.16008	7.31082	6.73532	7.31236	7.53382	6.67227	7.03306

COPS7A	8.97381	8.71233	8.88362	9.09685	8.0661	8.35399	9.32102	7.98941	8.94376
PTMS	9.08605	8.46559	8.76923	9.04947	7.8252	8.51928	9.06436	8.21218	8.9941
LAG3	5.92064	6.12111	5.801	6.45007	6.76378	6.56189	6.0736	6.45527	6.22509
CD4	6.44465	6.37786	6.69463	6.68067	6.94663	6.65353	6.70077	6.39123	6.54968
GPR162	5.80058	5.7011	5.86631	6.54181	6.71103	6.43282	6.60705	6.23345	6.04705
P3H3	6.38826	6.50863	6.62655	6.62009	6.10172	6.37897	6.23846	6.82327	6.15187
USP5	8.48941	8.26248	8.34406	8.37941	6.86791	7.86695	8.82771	7.11473	8.02524
TPI1	7.88757	7.34445	7.66749	8.01006	7.45562	8.91733	7.84853	8.32191	8.00039
LRRC23	5.70157	6.03679	5.78462	6.00201	6.03575	6.36434	6.07514	5.75201	6.01932
RPL13P5	6.46592	6.10844	6.08415	6.82064	5.00538	6.03728	6.51488	6.21145	6.90316
DSTNP2	6.23897	5.91221	6.00617	5.58776	5.60196	5.17519	6.26045	6.31991	5.96507
ATN1	8.8132	8.45929	9.06111	8.19954	6.96967	8.24576	8.46474	7.9958	8.38175
C12orf57	7.47289	7.578	7.78538	7.7616	6.74085	7.49742	7.81817	6.94946	7.12872
mir200c	5.51745	4.38054	4.85231	4.66314	5.67654	5.73106	4.43667	4.90208	4.94365
MIR141	4.39729	4.68552	4.58961	5.26478	4.86271	4.66798	4.88189	4.64751	4.71084
EMG1	6.24362	6.59024	6.36014	6.5429	6.27232	6.11517	6.86416	5.87696	6.23247
C1RL-AS1	6.07478	6.04003	6.01483	5.72515	6.05759	5.97529	6.10318	5.5323	6.21919
clstn3	7.36804	6.59091	6.96084	6.57876	6.65044	6.52053	6.24822	6.50389	6.68699
PEX5	7.08927	6.97693	6.79353	7.05163	6.99982	6.76972	7.3208	6.7239	6.53678
ACSM4	5.44381	5.42185	5.27416	5.92006	7.1003	5.86467	5.70761	5.99222	5.99911
DPPA3	5.20884	5.4517	5.52366	6.0969	6.58793	5.9439	5.6011	5.20456	5.32142
NANOGNB	4.18471	4.24729	4.43785	4.85148	5.63044	4.98456	4.36636	4.49893	4.55744
NECAP1	8.13602	8.38282	8.19382	7.2048	6.67589	6.49543	7.22301	7.29364	7.48304
NANOG	4.90386	6.33742	4.43249	4.6526	5.03701	4.45501	4.05137	4.58119	4.07114
FOXJ2	8.73832	9.04528	8.78602	8.68943	7.51263	8.30813	8.4688	8.40556	8.36656
ZNF705A	3.28542	3.53136	3.04045	3.57885	3.84424	3.52989	3.58261	3.40934	3.08904

RIMKLB	8.36153	8.4221	8.52757	8.4483	6.84412	8.69617	7.84317	8.48727	9.17233
A2ML1	10.9976	10.8691	11.2047	11.2627	11.4122	11.8318	11.7113	12.491	12.2941
PHC1	8.21102	7.3417	7.41677	7.35645	7.31345	7.34397	7.50829	7.71993	7.5189
LINC00987	6.309	6.25085	6.53959	6.32205	5.8479	6.02338	6.77933	5.79274	5.84204
LOC642846	6.42447	6.87388	6.71226	7.14305	6.60417	7.28897	7.21346	6.61643	6.76445
TMEM52B	4.66726	4.89254	4.83819	4.89457	5.62048	5.58202	4.94208	4.95046	5.22124
GABARAPL1	8.22427	7.1647	7.48257	6.33781	6.35017	6.45528	6.05305	7.10907	6.73767
PRH2	4.52057	3.87035	4.31605	4.29978	4.81683	4.22287	4.35366	5.02557	4.40718
LINC01252	6.02176	6.68075	5.98525	6.38862	6.51026	6.58863	5.98108	6.04763	6.08786
ETV6	10.3996	9.94223	10.0736	8.43296	6.61261	7.48198	8.50834	8.51503	8.65003
BCL2L14	4.84919	4.87581	4.85107	4.9522	5.76561	5.09506	4.90571	4.87201	5.00851
CREBL2	9.08287	9.09994	9.0061	8.06662	6.77315	7.50108	8.49872	7.58604	8.02024
APOLD1	6.9646	6.41281	7.12824	7.2919	6.44638	7.05689	6.81458	7.2281	7.17904
MIR613	4.17034	4.27937	3.93458	3.91031	4.586	5.27402	4.29746	4.50409	4.60195
DDX47	9.14749	8.61734	8.74996	8.04856	7.13202	7.0616	7.79834	7.34634	7.70426
RPL13AP20	11.7159	11.9421	12.0762	11.6349	11.471	11.7482	11.9901	11.2722	11.4093
HTR7P1	5.92341	5.68949	6.48198	5.89559	6.56552	5.98196	5.89352	5.74162	5.92276
FAM234B	7.53402	7.427	7.33041	7.22967	6.36583	7.17632	6.78692	6.87529	6.33703
EMP1	10.9975	10.4961	10.7206	10.1831	7.33652	11.502	10.5388	11.8332	11.1352
ATF7IP	9.00809	8.87428	8.64512	7.26803	5.43178	6.14881	7.17975	7.78429	7.20938
C12orf60	5.08475	4.51107	4.982	4.97959	4.53962	4.48965	5.01778	4.5478	4.32961
STRAP	8.96277	9.08046	9.12614	9.5864	6.4664	9.29347	9.91445	9.55182	9.53756
DERA	8.16038	7.81227	8.29662	8.44819	7.57472	8.79283	8.65867	8.63766	8.50484
MGST1	6.13879	5.82258	7.32603	7.15231	6.50048	6.54603	7.21666	6.04936	7.42303
SKP1P2	5.33833	5.52293	5.46363	5.9485	6.35	5.55312	5.75533	5.40511	5.17458
MIR3974	4.49391	4.11516	3.90216	5.00705	4.29956	4.75068	3.33579	3.59445	4.07678

AEBP2	9.06014	8.52743	8.52371	8.44652	7.24124	8.21893	8.69899	7.67853	8.04927
LOC100506393	5.49321	5.17357	5.04918	5.31999	5.50117	5.404	5.09567	5.52227	5.42055
IAPP	3.85045	4.13509	3.70573	4.1584	4.4362	4.13537	4.3654	4.21	3.93426
PYROXD1	8.01979	7.7658	7.8435	7.01423	4.48557	6.77699	7.86703	6.88078	7.39771
GOLT1B	7.15068	7.08178	7.41016	7.41512	5.47972	6.87203	7.91989	7.0902	7.51476
SPX	4.78801	4.74368	5.33683	5.47206	6.33275	6.04042	5.17462	5.16101	5.44844
CMAS	9.0086	8.44616	8.85714	8.87394	6.36307	9.62536	9.58091	9.26147	9.22292
ETNK1	8.09776	7.50022	7.80169	7.24636	5.98172	7.0289	7.06311	8.32991	7.62357
MIR920	5.15283	5.25547	4.94639	5.03357	5.08592	5.25957	5.05455	5.14322	5.25971
LRMP	5.03864	4.46035	4.80488	4.753	5.5022	5.06284	4.86934	4.84045	4.95814
ETFRF1	7.56745	7.68462	7.5959	7.32283	5.42967	6.43591	7.84385	7.09622	6.8234
RASSF8	6.0875	6.54771	6.67307	5.912	6.0436	6.28041	6.44351	6.31364	6.1862
SSPN	5.75387	5.78111	5.63945	5.83217	6.14873	6.024	5.8958	5.75422	6.15513
FGFR1OP2	6.6862	6.32844	6.37587	5.87049	5.28083	5.13759	6.06276	7.07763	6.18655
TM7SF3	4.67369	5.05582	4.59513	4.37659	4.93535	4.60052	5.12595	4.59488	4.59967
MED21	8.45925	8.82151	8.42512	8.76988	7.58798	8.24828	8.68931	9.02499	8.99613
STK38L	8.35889	8.25932	8.26494	8.2769	6.92161	8.4966	7.73706	8.97383	8.77655
ARNTL2	8.508	8.19149	7.91391	9.18475	8.1064	10.7661	9.8164	10.15	10.355
Smco2	4.93051	5.11219	4.63384	4.84831	5.02646	5.04739	4.84349	5.18443	5.74266
REP15	4.27962	3.69507	4.02394	4.0457	4.12538	3.44289	4.52962	3.9673	4.01292
MRPS35	8.04091	8.08818	8.42111	8.03525	5.34077	7.82143	9.07617	7.06236	7.69478
KLHL42	7.07966	7.14196	7.05218	6.95006	6.55788	6.55303	6.99834	6.64834	6.87179
PTHLH	4.8325	4.60062	4.13463	7.45771	4.89816	6.72787	6.56041	5.61097	6.53334
CCDC91	7.66612	7.74224	7.88562	6.67722	6.06004	7.38093	7.43481	7.73847	7.69505
FAR2	6.80933	6.08063	6.70511	6.09617	5.98116	5.34385	6.3881	6.04822	6.20165
LINC00941	5.19737	4.80329	4.93433	5.82113	5.50623	5.78	5.35971	5.33499	5.52131

TSPAN11	6.97947	6.80385	7.1299	7.41956	7.75886	7.84766	7.84716	7.17093	7.6603
FLJ13224	6.30193	6.09567	6.07098	7.05605	6.64658	7.52652	6.75186	6.95633	6.84594
DENND5B-AS1	4.40224	4.26813	4.25104	4.92552	4.6501	5.0384	4.66135	5.25874	5.00767
ETFBKMT	5.59898	5.69604	5.56061	5.67598	5.12575	5.5859	5.46575	5.35008	5.07748
KIAA1551	7.41689	7.48172	7.54184	5.94979	5.44833	7.77951	6.93204	6.99311	7.04211
BICD1	7.05314	6.63851	7.15582	6.86423	6.74516	6.54168	6.7683	6.82575	7.70663
DNM1L	7.88988	7.85364	7.99784	7.45728	5.2483	7.11338	7.81176	7.36106	7.89831
C12orf40	3.86249	4.38138	4.22675	4.19168	4.75154	3.96585	4.3518	4.03297	3.98023
LRRK2	7.25937	7.55032	7.09921	6.46987	4.75149	5.42445	6.31915	5.23611	5.06024
CNTN1	7.52567	7.99602	5.56642	8.83734	6.35405	7.83694	8.50848	6.89941	9.25178
PDZRN4	5.26048	4.98007	5.46027	4.96211	5.38382	5.13387	4.84259	4.75727	4.70614
PPHLN1	7.79675	7.73312	7.89973	7.16654	5.87092	6.25407	7.32847	6.75124	6.96808
IRAK4	8.03431	7.80898	7.90102	6.78971	5.42602	6.90123	7.25628	7.27223	7.06836
TMEM117	9.49231	9.06587	9.17618	8.38861	7.21738	8.16796	8.63775	8.49355	9.0486
NELL2	5.49833	5.27683	5.70496	8.20202	5.25537	8.28664	8.31162	6.26967	7.12581
ANO6	10.6309	10.2429	10.8208	10.2489	8.14073	10.2729	9.95889	11.1095	10.3313
PCED1B	6.01344	5.90197	6.18063	6.16268	6.109	6.06561	6.49032	6.2957	6.14228
MIR4698	6.10809	6.905	6.47178	6.84388	7.34262	7.00022	6.31058	6.78453	6.77601
TMEM106C	7.4192	7.3181	7.15385	7.95159	7.28233	7.82956	7.94664	8.06683	7.7778
CCDC184	6.67888	7.21743	7.02592	7.59229	7.66776	7.52309	7.277	7.45454	7.36541
C12orf54	4.7966	4.9143	4.73772	4.78168	5.81223	5.21571	5.47591	4.7966	5.15629
LINC00935	3.89833	4.05489	4.24485	4.18042	4.566	5.04148	4.72802	4.62253	4.46914
ADCY6	6.13985	6.3457	6.05682	6.51473	6.65237	6.40796	6.09308	5.95289	5.92179
CCDC65	4.92791	4.77696	4.87469	4.95699	5.33009	5.01217	5.09619	5.13916	4.8417
DDN	6.31258	6.4938	6.24941	6.34468	9.48422	6.62523	6.3679	7.1513	6.7536
PRPH	5.18098	5.86651	5.90189	6.11347	6.58928	6.38515	5.94614	6.25613	6.02011

TROAP	6.30308	5.925	5.82609	6.67462	6.31353	6.27523	6.28199	6.61824	6.18385
LOC100335030	5.86823	5.93573	6.14235	5.99934	6.14155	4.76614	5.54471	6.26474	5.95216
PRPF40B	6.78029	6.73029	6.81415	7.21496	6.3953	7.20084	6.87061	7.34467	7.10181
TMBIM6	7.12874	6.74734	7.22646	6.80373	5.53857	6.76463	6.85364	6.6045	7.16952
BCDIN3D-AS1	5.41127	5.43925	5.39499	5.37106	5.75852	5.35628	5.53052	5.58746	5.33993
AQP2	5.36585	5.87997	5.76063	6.57354	6.15226	6.19601	5.93716	6.44167	6.33423
AQP5	10.4631	10.0095	10.1768	11.0281	9.66646	9.6272	10.5717	10.5903	11.5662
asic1	5.01575	5.1515	5.37745	5.25028	5.55963	5.79099	5.47813	5.58228	5.40682
GPD1	4.8653	4.95939	5.39496	5.35837	5.79209	5.61635	4.61269	5.06276	5.03395
COX14	6.53656	6.03969	6.66583	5.75261	5.75693	5.80219	6.50224	5.8435	5.94507
DIP2B	10.0528	9.73296	9.69242	9.80129	7.56897	10.4182	9.71932	9.95707	10.2493
ATF1	9.33145	9.26468	9.23117	8.68532	8.12627	7.67587	8.79508	8.01886	8.74831
METTL7A	8.48934	8.02436	8.66634	7.91732	5.99568	6.19902	8.10446	6.00585	6.71065
LETMD1	8.07007	8.71965	8.39565	6.64535	6.51857	7.10819	7.17268	6.94527	7.07153
DAZAP2	9.42107	9.21572	9.7994	8.95479	7.65122	8.89968	9.17383	9.00558	9.38546
ANKRD33	5.54298	5.44781	5.62637	6.04243	6.30424	5.97572	5.47278	5.83588	5.58372
ACVRL1	6.88689	6.79478	7.74718	6.83988	5.99414	6.36626	6.83222	7.11902	7.27887
GRASP	7.05124	6.61802	7.13787	6.77584	6.43217	6.95174	6.71927	6.7425	6.85941
ATG101	6.77686	6.92186	6.39088	7.46956	6.98677	8.10179	8.1701	7.50146	7.40411
LINC00592	6.45835	6.58887	6.2475	6.97189	7.11808	7.03933	6.68647	7.48644	7.20933
KRT7	6.11388	6.10943	6.2063	6.41666	6.05346	6.2276	6.17128	5.97512	5.98579
KRT86	5.4956	5.53839	5.26181	6.09976	6.58244	5.89816	6.04159	6.02098	5.67554
KRT18	6.07894	6.3719	6.67788	7.27535	6.79679	7.82078	7.40634	7.54359	7.36269
EIF4B	10.848	10.4062	10.9306	9.63414	8.85159	9.83389	9.8716	9.6295	9.77129
TNS2	7.07605	7.20354	8.00087	6.43207	6.51534	6.78198	6.64898	6.63506	6.91285
IGFBP6	6.93455	7.02732	7.71988	8.40955	7.94468	8.91114	9.1543	9.07189	8.74069

SOAT2	5.73182	5.97509	6.04396	6.61184	6.89662	6.48091	6.17491	6.10528	6.07294
ZNF740	7.14578	7.40458	7.19446	6.37089	5.56384	5.69979	6.57538	5.89979	6.19382
MFSD5	8.43918	8.22667	8.03367	8.694	7.49322	7.57617	8.39512	7.53566	8.30731
ESPL1	6.686	6.50888	6.49012	6.37625	6.21719	6.43419	6.34099	6.56031	6.49012
PFDN5	7.69306	7.65624	7.67424	7.87507	7.56408	8.28059	7.63396	7.7056	7.4199
C12ORF10	8.17722	7.98571	8.38431	7.55305	6.90329	7.03316	7.97966	7.36511	7.63006
SP1	9.90249	9.62064	9.62837	8.80148	7.59197	8.76149	8.84126	8.59556	8.98997
PRR13	5.83494	6.01111	5.90647	5.87767	5.47584	5.38007	6.01932	5.8366	6.10091
PCBP2	9.38655	9.17339	9.29566	8.74253	7.46927	8.57701	8.68207	8.49747	8.7782
TARBP2	7.36383	7.27352	7.25779	7.55351	7.32732	7.37861	7.7403	7.33711	7.44629
ATF7	6.43669	5.99323	6.37779	5.91595	4.88392	5.39532	6.91325	5.65178	5.72109
HOXC13	6.21996	6.60812	6.26573	6.50634	6.26727	6.63518	6.54988	6.3126	6.173
HOXC12	6.24833	6.49755	6.28872	6.52495	5.94788	6.82233	6.81707	6.07577	6.33412
HOXC11	6.90592	6.74691	6.36348	6.83523	6.47871	6.65358	7.2541	6.26316	6.08402
HOXC10	6.79836	6.64412	6.47666	6.98899	6.20096	7.25751	6.80626	6.3316	6.1001
HOXC4	6.75905	6.83379	6.79691	6.21785	5.96257	6.09966	6.21596	6.05433	6.07712
MIR196A2	5.05901	6.05653	5.22321	5.37749	5.41411	5.93452	4.78933	5.34897	5.65379
hoxc9	6.89451	6.73679	6.75657	5.85524	5.621	6.57556	6.57321	6.17759	6.3717
hoxc8	6.51396	6.7491	6.53692	7.30504	6.02682	7.09419	7.09524	6.61192	6.99443
MIR615	6.23099	5.05375	5.96949	5.68597	5.03298	6.24002	5.34479	6.13875	5.96146
FLJ12825	6.36487	6.4966	6.36879	6.39945	7.20152	6.46563	6.00377	6.09619	5.99863
LOC100240734	5.50815	5.84952	5.44014	5.2515	8.78016	5.37086	5.33212	5.38885	5.40491
LOC400043	6.14857	5.77966	5.9806	6.06919	5.53345	6.29856	5.44349	5.81649	5.69996
HNRNPA1	9.54927	9.5602	9.0781	7.68293	6.60125	6.93058	7.5341	7.70626	8.10566
Mir148b	4.40274	5.08089	4.88197	3.57173	4.10704	3.84055	4.11483	3.88195	4.12873
NCKAP1L	6.47846	6.22488	7.04699	6.36701	5.96421	5.71423	5.99169	6.6476	6.0207

MUCL1	10.6827	8.83902	11.1396	11.2598	10.8116	9.22708	10.8629	10.7846	9.52317
NEUROD4	5.10735	5.46837	5.02711	5.56451	6.26316	5.59467	5.56761	5.62288	5.60578
METTL7B	5.41992	5.89984	5.49689	6.05067	5.94123	6.5159	6.11699	5.95698	6.25295
GDF11	5.50833	5.29581	5.46103	5.42435	5.94556	5.60205	5.79718	5.58633	5.43641
ORMDL2	10.6741	10.5777	10.4292	11.4917	11.4036	11.1724	11.5558	11.5462	11.7592
CDK2	8.68317	8.29845	8.36585	8.20837	7.2495	7.86618	7.99323	8.55904	8.42723
SUOX	6.33877	6.1192	6.12465	5.80481	5.95015	5.48186	5.41372	5.74873	6.66674
IKZF4	6.46408	6.10434	6.22926	5.73102	5.72959	5.75692	5.69538	5.1331	5.77605
RPS26	6.36264	6.26277	6.65244	6.1875	6.10964	5.83821	7.20878	6.27018	6.26404
ERBB3	9.22327	9.47535	9.07477	8.56024	7.10758	8.67485	8.58562	9.01266	8.67503
RPL41	7.53784	7.1508	7.15156	8.09591	7.70821	8.17147	7.93426	7.62862	7.75039
ZC3H10	6.36894	6.25805	6.15199	6.04594	6.88733	6.2032	6.04084	6.49888	6.336
ESYT1	8.32319	7.83511	8.26553	8.9626	6.12749	8.28219	8.89089	8.65649	8.5029
NABP2	8.66261	8.71511	8.8981	8.82614	7.78853	8.08776	8.65098	8.48176	8.74333
COQ10A	7.03814	6.89065	6.93792	6.75527	6.56665	5.83138	6.22744	5.99051	6.0834
CNPY2	6.80321	6.56713	6.79988	6.63654	6.15056	6.41912	6.56501	5.32604	6.20211
spryd4	7.98126	8.04897	7.90274	8.39108	7.77625	7.63107	8.42309	7.18284	8.5288
HSD17B6	4.6707	4.87667	5.08816	5.07944	5.56306	5.04962	5.0527	5.30419	5.14041
GPR182	5.0705	5.30096	5.16255	5.57503	6.17208	6.01676	5.52109	5.46539	5.59781
nab2	7.24889	7.2662	7.1761	8.35868	5.85769	8.81224	7.55324	7.61956	7.01115
LRP1	9.39093	9.80731	9.54403	9.41094	7.19058	10.3632	9.58051	9.05262	9.32448
NXPH4	7.05786	6.75024	6.54184	7.75342	7.34957	7.93991	7.48753	6.77166	7.08125
SHMT2	6.82478	6.27807	6.6287	7.20095	5.98606	6.89841	7.45189	6.94983	6.88791
GLI1	5.00583	5.31848	5.23496	5.59681	5.88984	5.46252	5.52983	5.33499	5.37457
MARS	8.17053	8.18403	8.00868	8.69518	6.63817	8.14073	8.69849	8.20042	8.80243
mbd6	7.87854	7.56044	7.8387	7.72999	6.59821	7.92248	7.75387	7.75104	7.78228

KIF5A	4.9732	4.75365	4.75975	5.50262	5.65037	5.281	4.37268	5.10111	5.11971
DTX3	6.23974	6.43379	5.90507	5.52511	6.34768	5.62142	5.52152	5.81811	5.759
ARHGEF25	6.51254	5.70776	6.51359	6.0367	5.41469	5.82108	5.12075	5.73286	4.71482
TSPAN31	6.33383	6.22589	5.8965	6.80969	5.88707	6.37912	6.65584	6.60924	6.62177
44264	6.41518	6.2541	6.25998	6.78979	6.33464	6.77976	6.92087	6.44867	6.52516
METTL21B	7.03539	6.87058	6.83541	6.92755	7.35109	7.14344	6.91913	6.79583	6.93133
ATP23	9.28963	9.15257	9.00131	7.89355	7.27057	7.35448	8.62495	7.91345	7.81088
USP15	9.43979	9.22855	9.30638	8.86905	7.0608	8.83322	8.82637	9.04148	9.15625
MON2	9.38944	9.50409	9.46698	8.34803	5.48624	8.23059	8.49498	8.39386	8.87775
mirlet7i	5.28488	5.02874	5.27212	5.40147	4.84168	5.58269	5.27066	5.35595	5.41627
TMEM5	6.85651	7.27604	6.9474	6.8767	5.81141	6.36751	6.85126	6.23877	6.54568
SRGAP1	7.35286	6.84506	7.50153	6.63439	5.42103	6.65165	7.47835	8.00335	8.57772
TBK1	7.78483	8.27812	8.00093	7.07523	5.3104	7.40641	8.04273	7.51181	8.01302
RASSF3	7.91574	7.71574	8.03701	8.21995	6.78181	8.61306	8.72245	9.05759	8.91358
MIR548C	3.50831	3.19227	3.69088	3.52243	2.95257	3.49479	2.41008	5.14442	5.69538
FLJ41278	4.87441	4.89784	4.9695	4.80173	6.1083	5.05478	5.41107	4.92618	5.30245
lemd3	8.06191	7.8006	8.14121	7.83602	5.96425	7.54216	8.10251	8.03819	8.1854
MSRB3	7.03436	7.03418	7.26093	6.79405	7.04783	6.09398	6.3659	6.65381	6.82697
hmgga2	5.96315	5.56894	5.74025	6.88663	6.58943	6.23619	5.77334	6.87163	7.21687
IRAK3	7.10066	6.90346	8.5645	5.92728	4.75753	6.01845	6.42052	5.99504	6.2628
HELB	6.50054	6.21625	5.56487	5.17798	5.06803	4.7889	5.16719	6.84556	5.38038
CAND1	9.07038	9.06534	9.09984	8.9282	6.65804	8.31563	8.98833	8.87507	8.83975
DYRK2	7.23455	7.16714	7.12217	7.29388	6.76025	6.88857	7.35357	7.14899	7.12856
NUP107	7.16646	7.87241	7.42627	7.14436	5.01885	6.22184	6.95864	6.29013	6.0447
LYZ	8.2593	6.89123	8.96779	7.68625	5.50628	7.16696	6.9939	6.41846	7.09864
YEATS4	7.94525	8.29666	8.10466	7.79671	3.85529	6.04307	7.69603	6.12611	6.47367

FRS2	8.74394	8.58415	8.60932	7.81287	6.15772	7.24838	8.17408	7.74582	7.86088
MIR3913-1	3.88339	4.79729	4.21965	5.31366	5.14515	4.52561	4.976	4.48836	4.67289
RAB3IP	5.95306	6.58562	5.97199	5.8746	6.51616	5.81075	5.79173	6.29785	5.85442
LGR5	5.62643	6.25415	5.63303	5.35784	6.28772	5.71744	5.51134	5.28953	5.042
TMEM19	8.07181	8.34193	8.29427	7.40074	5.66991	6.23923	8.01479	6.31476	6.55478
TPH2	3.45208	3.82668	3.85024	4.11823	4.53889	4.25575	4.03058	3.93605	4.28719
TRHDE	5.45583	5.9403	5.27727	5.12938	6.01975	5.09386	5.33531	5.0053	5.27925
ATXN7L3B	8.16563	8.04726	7.93644	7.91649	5.94693	7.11715	8.51286	7.06288	7.48167
GLIPR1L1	4.98073	4.96048	5.07326	5.37159	6.12629	5.39713	5.28579	5.24667	5.32808
GLIPR1L2	7.15006	6.55257	6.6027	6.22319	6.54117	6.18748	6.6341	6.42564	6.30388
GLIPR1	8.0751	6.36982	8.40147	9.84925	8.33686	9.31601	9.70922	9.88803	10.1686
NAV3	7.45213	7.47527	7.27846	7.25438	6.40299	8.95186	7.78727	7.9079	8.9746
SYT1	5.30659	5.25095	5.31289	5.52543	6.28938	5.17396	5.50519	5.78977	5.38398
MIR1252	2.16866	2.05601	1.82016	2.27717	2.20355	2.02402	2.34346	1.79898	1.98304
OTOGL	4.24657	4.25925	4.34562	4.47465	5.25537	4.58181	4.49055	4.66706	4.37137
MYF6	4.65806	4.64371	4.21082	4.98644	5.44682	4.93707	4.61976	4.47793	4.85721
MYF5	4.83835	4.94697	5.09958	6.27938	5.92485	6.10991	5.58942	5.59267	5.64945
ACSS3	6.15776	6.53996	7.01728	4.72868	6.27583	5.147	5.16728	5.69214	5.22888
MIR4699	2.32756	1.7625	2.09474	2.39055	1.81913	2.31198	2.75275	1.79981	1.79792
METTL25	6.78026	7.0302	6.99521	5.96127	5.31988	5.61713	6.33262	5.33118	5.70639
TMTC2	7.47954	7.83373	6.79235	6.52049	6.09256	6.33962	6.35038	5.84112	6.00029
LRRIQ1	4.21002	4.47763	4.61366	4.49412	4.47	4.54284	4.33271	4.09095	4.59859
ALX1	6.05758	5.8221	5.25537	5.27274	4.7666	5.41141	5.60781	5.07368	5.40239
NTS	3.03961	2.93025	3.30114	3.32939	3.52266	3.45644	3.60496	3.09103	3.60146
C12ORF29	8.8163	8.5933	8.68629	8.55757	7.4246	8.63414	8.85892	8.66399	8.91825
TMTC3	10.6418	10.361	10.6781	10.2233	7.25744	8.96757	10.199	9.16302	9.85022

LINC00936	6.14872	5.74927	6.24811	6.01092	5.68091	6.54853	6.25583	6.1572	6.31001
LINC00615	4.47937	4.73228	4.86477	5.24213	6.82094	5.18517	4.94338	5.4269	5.40174
CLLU1	4.70023	4.74007	4.7231	4.62698	5.29764	4.34487	4.58693	4.7202	4.59186
C12orf74	4.16716	4.15975	4.04859	4.65865	5.84334	4.33592	4.34999	4.43121	4.76952
NUDT4	5.88197	5.56599	5.88887	5.49333	5.61424	5.06146	5.49044	5.42438	5.4428
MRPL42	7.84929	7.76774	7.73573	6.67745	4.88533	6.18383	6.86501	6.90723	6.23868
SOCS2	5.67769	5.78766	6.31131	6.14422	6.66499	6.52919	6.37139	6.36167	6.47264
CRADD	6.8819	6.31015	6.48118	6.2446	6.18614	6.24164	6.21628	6.2663	6.24184
PLXNC1	8.17367	7.08316	7.18198	6.74885	6.44347	6.64486	6.76797	5.91103	6.36608
CEP83-AS1	5.26027	5.05625	5.10773	5.74309	5.91063	5.35485	5.09095	5.23829	5.33857
KRT19P2	5.10261	5.17623	5.28353	5.88464	5.88231	6.33721	5.66178	5.87233	5.63905
MIR331	5.77983	5.6813	5.8636	6.19531	5.22767	6.00285	5.401	5.13271	5.79388
MIR3685	5.77969	5.89041	6.85085	4.1819	2.39967	2.66815	3.92869	3.19766	4.66882
METAP2	8.4961	8.81487	8.31505	8.19233	5.8838	7.28531	8.40899	7.31451	7.71754
SNRPF	5.99504	6.24117	6.31143	6.25715	4.33011	5.48728	6.70285	4.88209	5.5477
AMDHD1	6.23153	6.03467	6.05188	5.64763	6.46414	6.20023	5.37651	5.9864	6.12125
MIR1251	5.07178	5.34039	4.97882	5.41597	5.52356	5.32765	5.34938	5.06028	5.21273
MIR135A2	2.34077	2.33836	2.32819	2.70438	3.83054	2.83491	2.74923	2.52977	2.32771
TMPO	7.53519	7.66111	7.47628	7.10906	5.73847	6.52821	7.22432	6.35159	6.06551
APAF1	6.75279	6.71969	6.7046	6.39602	4.90665	6.33796	6.16226	6.36865	5.89227
MIR1827	3.34608	3.45418	2.91032	2.69095	3.24701	2.53004	3.8134	3.88911	3.24277
ACTR6	5.5462	5.75317	5.90606	5.48025	4.6129	5.23345	5.79628	5.63633	4.97141
SCYL2	7.91709	8.33751	7.8958	7.4488	5.985	7.74779	7.72981	8.56998	8.40342
GAS2L3	7.31608	6.50581	6.90498	6.43777	6.03305	6.83384	5.98853	8.46942	7.35907
ANO4	4.30148	4.63767	4.46775	4.70753	5.06624	5.0918	4.96185	5.667	5.21234
SPIC	3.26928	3.29337	3.19822	3.47217	5.32074	3.29405	3.20822	3.44051	3.50653

CHPT1	7.88638	7.99722	8.22736	6.427	6.23401	5.92632	5.98882	6.06446	6.097
DRAM1	6.20103	6.30186	6.23209	6.56187	5.25537	5.68483	6.84943	6.16685	6.62098
PARPBP	6.3143	6.0575	6.11298	6.02304	5.10434	5.38531	5.59533	5.43063	5.4239
ASCL1	5.42348	5.74209	5.61139	6.16405	6.56095	6.70551	6.40884	6.2122	6.36681
STAB2	5.59999	5.22906	5.1647	5.30262	6.43263	5.49743	5.47945	5.32619	5.35722
TTC41P	5.753	6.10357	6.42901	6.60563	8.28035	6.62229	6.2971	6.89828	6.80058
TDG	7.18175	7.12919	7.19196	7.65961	6.01821	7.1027	7.67364	7.12021	7.31059
HCFC2	8.30302	8.56454	8.31022	8.05666	5.9551	7.37338	7.96175	7.94728	7.81023
TXNRD1	7.09318	6.88651	6.59574	6.7313	5.79773	5.98313	5.94683	7.66716	6.6517
EID3	7.52093	6.77722	6.4163	6.37164	5.46966	6.08401	6.08429	7.47548	5.95469
CHST11	6.58279	5.98564	6.67899	6.76441	6.25265	6.2969	6.39276	7.29084	7.15438
MIR3922	6.92671	6.61613	6.80959	6.43636	7.92948	6.19863	6.39058	6.89424	6.76101
c12orf45	6.33846	6.69581	6.45555	6.56006	5.065	6.43138	6.85383	5.45711	5.90218
KIAA1033	9.41894	9.35184	9.52535	9.19108	6.28645	8.89541	9.51239	9.64436	9.63547
C12orf75	7.8053	7.48182	7.90519	8.09694	7.78924	7.80999	8.47004	8.74976	8.30662
TCP11L2	8.84889	8.89747	8.84052	8.13077	7.80806	8.70401	8.11175	9.56133	8.84384
POLR3B	8.51658	8.73094	8.56642	7.69528	6.19908	7.33058	8.00432	7.33749	7.63291
RIC8B	6.54294	6.57775	6.74536	6.06425	5.61485	6.02259	6.137	5.73731	6.19186
TMEM263	8.12807	7.56341	7.43134	7.44738	6.24995	6.49453	7.02054	6.83453	6.93107
BTBD11	7.82925	7.72716	7.77591	7.53306	6.88933	8.76887	8.53762	8.67459	8.74208
PWP1	8.91082	8.87481	9.13733	8.92619	6.55531	8.25557	9.00979	8.55885	8.72642
ASCL4	5.45101	6.25468	5.78134	6.16779	6.18575	6.67188	6.30544	6.33132	5.96555
WSCD2	5.28572	5.379	5.80264	5.62503	6.00264	5.59741	5.38009	5.43372	5.47806
FICD	6.24116	6.1604	6.53725	6.68308	6.70314	7.34645	6.50667	6.62865	6.9857
ISCU	6.94056	7.28138	7.34502	6.46691	5.57076	5.88823	6.6897	6.37183	6.60654
DAO	4.93279	4.7859	4.49522	4.82519	5.83552	5.23832	4.69261	5.1155	4.99249

USP30	8.29654	8.48321	8.01047	7.28208	6.9425	7.18897	7.1852	7.2242	7.24876
UNG	7.88873	7.80668	7.81165	7.60059	6.85632	6.73042	7.68573	6.6658	7.38839
ACACB	7.07359	7.32585	7.91261	5.88104	6.43331	5.75842	6.2151	5.77424	5.88087
MYO1H	4.82763	4.98426	4.91234	5.45126	5.78303	5.27792	5.37686	5.15329	5.44497
UBE3B	8.78027	8.76898	8.33052	8.22544	7.07586	8.20448	8.39393	7.77705	8.65948
MVK	7.50803	7.73485	7.49509	7.91455	7.34128	8.93865	8.21755	8.4931	8.62667
ANKRD13A	10.0758	10.298	9.93032	9.83613	9.27949	9.90217	9.5483	11.0316	10.4084
IFT81	5.93579	6.06462	6.16807	5.45661	4.13974	5.28977	5.33528	4.93597	4.91629
RAD9B	4.82096	4.3953	4.23489	4.41747	4.80385	4.54542	4.33437	4.41596	4.55183
tctn1	7.33518	7.90343	7.29411	6.56713	6.90054	6.45457	6.72549	6.29759	6.02345
CCDC63	5.61972	5.92179	5.38839	5.1187	5.91134	5.64707	5.39701	5.19462	5.70556
CUX2	4.97727	5.2386	5.08287	5.54278	5.78444	5.95744	5.61295	5.74048	5.73241
SH2B3	6.83152	6.46874	6.78369	7.17968	6.44797	6.94043	6.88998	7.15469	7.12992
ALDH2	10.7741	10.7677	10.6308	10.2686	7.85745	10.1588	11.1763	8.18372	9.70901
MAPKAPK5	9.04747	9.34846	9.21163	8.59162	7.21019	7.54768	8.67634	7.95158	8.21791
ERP29	7.41694	7.28604	7.29778	7.30284	6.86922	7.16754	6.91236	6.55125	6.42186
TRAFD1	8.36889	8.45634	8.17284	7.71544	6.37825	7.29368	7.93615	7.97081	7.84127
RPH3A	4.53821	4.30878	4.67264	5.13194	5.4353	5.0634	4.9488	4.91709	4.82547
DTX1	5.6505	5.73148	5.90835	6.50731	5.77228	6.7634	6.53715	6.52458	6.23209
cfap73	5.0581	5.2351	5.59273	5.7496	5.33126	5.80002	5.56711	5.6307	5.93735
RITA1	7.30331	7.08352	7.3422	7.47247	6.52187	7.41102	7.54824	7.28835	7.19951
TPCN1	7.79555	7.63893	7.96109	7.34676	6.52452	6.58633	7.58961	8.06406	7.21761
PLBD2	8.0305	7.8834	8.01816	8.02693	6.43705	7.85042	8.27445	7.972	7.99471
SDSL	6.09385	5.97864	6.12471	6.88751	6.9385	6.56187	6.27583	6.46722	6.3884
TBX5-AS1	4.67072	5.14281	5.03825	5.77785	6.10136	5.92274	5.42882	6.12235	5.50381
LINC00173	6.29882	6.58889	6.94663	7.56024	7.97728	7.83017	6.85924	7.52153	7.57423

MAP1LC3B2	7.3464	7.23524	7.63136	7.82276	8.42879	8.2007	7.61733	8.35867	7.8161
FBXW8	8.39873	8.32145	8.30488	7.43125	7.1693	7.22468	7.89861	7.11346	7.44761
KSR2	3.57796	3.41717	3.39053	4.07819	4.82091	3.98586	3.89472	3.90318	3.85681
PEBP1	9.83928	9.97771	10.1426	9.99611	7.91187	9.10154	10.2834	8.87122	9.03027
SUDS3	8.23959	8.34892	8.31683	7.36576	5.48086	7.30553	7.93641	7.62299	7.47738
SRRM4	5.52594	5.53933	5.41917	6.29815	6.5341	5.7965	5.76945	5.72284	5.7408
HSPB8	5.1717	4.65312	4.27	5.87521	5.9998	4.74272	5.63418	5.12965	5.87545
CCDC60	5.20592	5.29691	5.26714	5.46996	6.63785	5.6744	5.1888	5.48465	5.22915
TMEM233	5.99449	5.56849	6.03201	5.91842	6.83987	6.40726	6.20127	5.88498	6.52381
BICDL1	7.41015	6.98188	7.0116	6.34435	6.32559	6.37963	6.71294	6.20221	6.22557
PXN-AS1	6.57277	7.01752	6.68528	6.5429	6.49975	6.77179	7.01884	6.48281	6.39022
SIRT4	4.70702	4.88265	4.61468	5.36839	5.97565	5.32681	5.20271	5.09176	5.18438
Cox6a1	5.60609	5.36555	5.94559	4.71583	4.95275	4.10146	5.57857	4.79027	4.77232
RNF10	8.92689	8.69263	8.65017	9.30256	8.46005	9.92716	9.46756	9.60756	9.43782
CABP1	5.03006	4.90984	5.1743	5.43667	6.05701	5.53933	5.18122	5.22632	5.68063
MLEC	8.66575	8.74594	8.98412	9.18592	6.6151	7.98311	8.8629	8.23399	8.12812
UNC119B	6.34543	6.16688	6.4194	6.40435	5.74785	6.50615	6.76103	6.58887	6.38715
HNF1A	6.05314	6.17779	6.14281	6.79424	7.04561	6.67675	6.36276	6.82536	6.5585
ORAI1	7.75486	7.39673	7.91737	7.38854	6.61356	7.22222	7.90388	7.12171	7.04939
TMEM120B	6.67591	6.28288	6.37706	6.74455	6.37263	6.8661	6.59301	7.21928	6.5598
SETD1B	8.67743	8.30052	8.50307	8.43804	6.43167	7.82024	8.26833	7.44251	8.10982
WDR66	5.68094	5.87865	5.85027	6.31541	6.54647	7.16077	6.96423	7.44825	6.71378
BCL7A	6.44413	6.49069	6.46345	6.70809	5.69221	6.9128	6.54484	6.59931	6.48342
MLXIP	7.80749	7.31822	7.47236	7.78693	6.85674	7.69934	7.80002	8.20701	7.91323
LRRC43	4.92069	4.6728	4.99411	5.33391	5.96879	5.58298	5.20335	5.34883	5.51174
CLIP1-AS1	5.68219	5.31851	5.48551	5.96657	5.86974	6.09273	6.02242	5.7569	6.09564

KNTC1	7.80031	7.92705	7.95602	6.5431	5.56893	5.81193	6.55783	6.52369	6.01335
hcar3	4.92106	4.57928	4.84134	5.48987	5.63427	6.7128	5.50111	5.66377	5.5138
DENR	7.40679	7.53012	7.07209	7.72925	5.34415	8.39555	7.74502	7.55668	7.47478
CCDC62	4.43263	4.27532	4.44551	4.87703	4.5495	4.45008	4.5326	4.45459	4.45459
HIP1R	8.3141	8.01219	7.99446	8.2802	7.85502	8.78008	8.56415	9.55196	8.48544
VPS37B	7.72519	7.36413	7.30817	8.05478	7.71211	7.99066	7.96348	7.95922	7.92025
OGFOD2	6.79616	6.8332	7.01578	6.80449	6.8429	6.9104	6.88859	7.04782	6.70547
ARL6IP4	8.86458	9.1001	9.15997	9.85464	8.19901	9.82462	10.1432	9.40232	9.185
LOC100507091	5.41024	5.4445	5.40293	5.39158	5.73085	5.26609	5.39141	5.78033	5.58986
C12orf65	6.49704	6.46925	6.50767	6.22006	6.705	6.603	6.44056	6.51729	6.45327
KMT5A	8.1937	8.2506	7.9712	8.11713	6.42807	7.71697	8.08253	7.53519	7.50245
SNRNP35	6.19934	6.76632	6.3696	6.84235	6.47216	6.32974	6.83637	6.20789	6.37354
MIR3908	2.04541	2.14452	1.52727	2.02473	2.35358	2.26891	2.76149	2.33853	2.29221
TMED2	11.8158	11.5732	11.9014	11.7593	11.2661	11.4571	11.7013	11.5071	11.7072
DDX55	6.93714	7.34911	6.7981	6.73497	5.83737	6.52893	6.74102	6.37674	6.49714
TCTN2	7.93889	7.89948	7.97803	7.04447	7.00526	6.41852	7.47347	6.67706	6.9128
UBC	7.59944	7.67297	7.93783	11.0894	10.5308	10.9409	10.2367	9.90045	9.68647
BRI3BP	8.46322	8.36653	8.84459	8.41702	7.59035	8.25973	8.97072	8.2876	8.55371
AACS	9.15362	9.13576	9.04459	9.05937	8.04168	9.2906	9.07585	9.13829	8.89077
TMEM132B	6.34711	6.54612	6.07334	6.84122	7.43487	6.46798	6.63162	6.70929	6.56495
LOC100128554	5.61179	5.87211	5.75517	5.83518	6.71394	6.16464	6.06365	5.88886	5.93511
LINC00943	5.00854	5.14438	5.19319	5.66592	5.98878	5.83909	5.36064	5.94119	5.92546
FLJ37505	4.74892	4.49824	4.9324	5.10313	5.93874	5.45418	4.78936	4.92473	5.01181
LINC00507	3.48054	3.36456	3.06592	3.26804	4.33214	3.93557	3.11492	3.40272	3.34748
TMEM132C	5.68854	5.93217	5.9487	6.26538	6.45494	6.54125	5.69689	6.33728	6.30439
MIR3612	2.57215	3.19682	2.96933	2.8818	2.64807	2.76022	3.20286	2.55212	2.60675

GLT1D1	6.26362	6.07064	5.6634	5.68151	6.68369	6.27366	5.41689	6.15105	6.18144
FZD10	7.71848	6.66389	7.34987	7.14972	6.43301	10.0575	7.44879	6.86957	6.61056
PIWIL1	4.85407	5.05984	5.04243	5.26479	5.74811	4.51428	5.4101	5.24312	5.08727
ADGRD1	5.88641	5.90682	6.52922	5.61668	5.89475	5.91343	5.73199	5.71017	5.70134
LINC01257	6.01917	5.87187	5.94661	6.20349	6.85139	6.35134	6.21958	6.36978	6.77137
MMP17	6.11476	6.02321	5.86547	6.46906	6.44276	7.1319	6.45542	6.79149	6.44893
ULK1	8.03019	8.2029	8.15454	8.44417	7.95717	9.64534	8.61182	8.91279	8.55849
PUS1	7.49092	7.61104	7.49558	7.89873	8.10316	8.28093	7.69154	7.86042	7.83145
EP400	8.84154	8.71328	8.70582	8.04311	6.17653	7.57356	8.43034	8.09212	8.00523
EP400NL	6.82714	6.57615	6.81871	6.40787	6.10798	5.81975	6.37991	6.33786	6.31148
NOC4L	6.45031	6.50921	6.65225	7.33153	6.19186	7.088	7.44935	6.55901	6.81778
LOC100130238	5.41644	5.25705	5.33575	5.71215	6.67929	6.30216	5.74134	6.41439	5.84227
FBRSL1	7.10211	6.96328	7.04587	7.40206	6.96002	7.55809	7.51696	7.17016	7.52287
ZNF26	7.54302	7.65774	7.74131	5.76612	5.51456	5.66835	6.46992	6.0798	6.58465
ZNF140	6.73818	7.34299	6.72715	6.02275	5.15942	6.28577	6.16699	5.34002	5.53662
ZNF10	6.31208	6.57611	6.37538	4.76505	5.83686	4.64736	4.58948	4.7643	5.10227
znf268	6.77674	7.3127	7.11539	5.67951	5.85244	5.74212	6.52261	6.02615	6.06883
LOC574538	3.83037	4.12623	3.81699	4.41251	4.8541	3.94481	4.27312	4.58183	4.58082
KDM5A	8.00719	8.1912	8.02304	7.27385	6.22898	7.62195	7.79664	7.87023	7.68384
NINJ2	6.74397	7.3122	7.57728	7.58937	6.90691	7.44902	7.17328	7.17595	7.12926
RAD52	6.72641	6.84765	6.69882	6.17003	6.51425	6.09537	6.10172	6.1843	6.1872
FBXL14	7.26069	7.36165	7.57453	7.54273	7.55954	6.54158	7.51549	7.25059	7.43041
MIR3649	2.64827	3.18714	2.50628	3.12598	2.77979	2.83634	2.40051	2.47006	2.82575
LINC00940	4.54994	4.74713	4.72221	5.3171	5.56595	5.6611	5.19889	4.97621	4.82352
DCP1B	7.06161	7.08918	7.36506	5.86586	6.24496	6.24574	6.18985	5.62454	6.27834
CACNA1C-AS4	3.3964	3.55975	3.81156	4.10055	4.60246	4.52925	4.20609	3.70291	3.49896

LOC283440	5.49537	5.30993	5.18248	5.23595	5.18139	5.10467	5.35276	4.96769	4.86554
NRIP2	6.71058	6.83796	6.56995	7.18716	7.63781	7.23389	6.97209	7.13325	7.05423
FOXM1	6.54559	6.23685	6.17545	6.93226	6.02788	6.19413	6.50605	6.68159	6.2515
RPS27	11.8861	12.5354	12.3838	12.643	12.4978	12.3923	12.623	11.9756	11.9465
CRACR2A	6.72928	6.26763	6.7458	5.57185	6.21236	6.17025	5.6538	5.74986	5.89757
FGF23	5.00307	4.36404	4.84481	5.20728	5.87625	6.1188	5.41745	5.60119	5.52337
FGF6	4.68733	4.79978	4.34421	4.90884	5.44022	5.49092	5.28096	4.75084	4.97956
AKAP3	4.65168	4.63839	4.6809	4.95611	5.14556	4.91322	4.94921	4.87844	4.38283
ANO2	6.67521	6.56432	6.60074	6.02843	6.50843	6.60215	6.40511	6.56215	6.51508
VWF	8.07482	7.88229	8.58273	7.36733	6.80532	7.09798	7.15217	7.63475	7.07496
CD27-AS1	5.92035	6.1337	5.91607	6.03565	6.25146	6.39587	6.0772	6.0984	6.0868
VAMP1	7.64498	7.62536	7.51118	6.53755	6.99667	6.40733	6.68806	7.19698	6.59532
MRPL51	7.80656	7.49584	7.55783	8.58661	7.05116	7.86934	8.77583	7.5067	7.82954
IFFO1	6.26166	6.17983	6.46882	6.61279	6.98665	6.92763	5.94988	6.63163	6.47483
NOP2	7.55887	7.01116	7.16248	7.66005	6.65222	7.24066	7.9157	6.77347	7.21981
CHD4	8.92035	9.07675	8.70767	8.5908	6.42127	7.85469	8.52846	8.51824	8.31482
SCARNA11	5.92506	6.54918	5.87278	5.85588	6.02899	4.84537	4.54631	5.74987	5.36478
LPAR5	7.62988	7.63482	7.76368	7.36927	5.35096	7.81046	8.05302	7.35204	7.55033
ACRBP	5.95521	5.77734	5.82566	6.12881	6.61796	6.0284	5.7439	6.15007	6.15856
PIANP	5.25222	5.19183	5.78019	6.14012	6.80955	6.25797	5.59438	6.25499	6.12174
MLF2	7.45477	7.28675	7.32833	7.15627	6.61582	7.35999	7.30535	7.53261	7.4249
CDCA3	6.04092	5.87805	6.15027	6.2363	6.1181	5.83118	5.99151	6.3577	5.9414
SPSB2	5.86058	5.927	5.75408	6.71066	6.62386	6.42519	6.18037	6.49006	6.08028
PHB2	9.50098	9.41739	9.64441	9.57271	8.06732	9.10279	9.69499	8.71082	8.75854
LPCAT3	9.62735	9.0607	9.30396	9.43021	7.45645	8.25977	9.53358	8.52843	9.04789
CD163L1	6.13665	5.98525	5.95356	5.85785	5.91501	5.68174	5.7307	5.60364	5.58424

CD163	5.51631	6.03216	7.35309	5.46174	5.17865	4.75407	5.54841	4.31293	5.26116
GDF3	3.29737	3.13105	3.61919	3.50091	4.57596	3.84256	3.61059	3.47796	3.69714
C3AR1	4.51314	4.94131	5.58672	4.81226	5.82267	5.2408	4.90873	4.25954	5.22479
POU5F1P3	7.12298	7.40485	7.19591	8.17772	8.00133	7.47748	7.65611	7.99261	7.65614
LINC00937	6.36264	6.50247	6.04682	6.8032	6.84789	6.11668	6.49737	6.23221	6.50581
AICDA	4.05829	4.35799	4.61592	5.0846	6.1484	4.96461	4.55247	4.54367	4.28005
MFAP5	7.72595	7.22017	9.38751	6.75612	7.38928	7.48493	6.4949	7.87762	7.62368
M6PR	8.58523	8.58789	8.83803	8.21195	6.50386	7.44414	8.19095	7.57672	8.10917
A2M	10.2336	9.28546	10.737	9.39682	7.17867	7.70409	8.50876	8.69858	9.21782
PZP	4.62214	4.72075	4.72195	4.97185	5.75548	4.53086	4.59166	4.79071	4.7783
A2MP1	3.64955	4.07331	4.09499	4.29242	4.55556	4.30149	4.13211	4.14514	4.24293
CLECL1	3.6757	3.26168	3.80828	3.72768	4.89692	3.71991	3.524	4.01102	3.71546
CD69	6.19645	4.73943	6.38181	3.9862	5.00634	6.77936	5.33019	4.99998	5.1748
OLR1	3.94705	4.22375	4.00046	4.72127	5.03782	5.221	4.01671	5.46091	4.70791
KLRA1P	7.1975	7.18936	7.69988	5.06747	5.7501	5.95775	5.51952	5.70977	5.79725
MAGOHB	6.28178	6.84623	6.64066	5.11596	4.1968	4.14064	5.21787	4.60904	4.87159
STYK1	5.93586	5.93986	5.94424	6.59731	6.14874	6.30041	5.95268	6.45787	6.75956
YBX3	9.76202	8.33769	8.24631	7.55002	5.84982	6.30628	6.95271	6.50983	7.20101
PRR4	7.52077	7.65701	7.50432	5.59128	6.13516	5.59141	5.30115	5.59466	5.58931
PRB3	2.88672	2.99632	2.91491	4.14093	3.93749	3.63105	3.67261	3.39581	4.07309
PRB4	3.01316	2.56713	3.05288	3.68979	3.40065	4.026	3.07567	3.01812	3.60583
prb1	6.87442	6.46349	7.14156	7.08112	8.38956	7.38034	6.90295	7.1689	7.48818
PRB2	6.17994	6.73419	6.83001	6.79264	7.63791	6.69763	6.6484	7.0098	7.29854
lrp6	8.48676	8.80983	8.40292	7.28819	5.98168	6.34523	7.11232	7.33669	6.87421
mansc1	9.34142	8.53772	8.83885	8.09059	7.03556	6.66031	8.46261	7.77557	7.96215
DUSP16	8.4388	8.00463	7.70455	8.46422	7.89825	8.17605	8.52537	7.8876	8.34767

GPR19	4.52871	4.58202	4.39479	5.01099	6.54418	5.10269	4.89845	4.99539	4.55334
HEBP1	8.45786	8.44119	8.4662	8.45355	7.46949	8.48215	9.0133	8.33332	8.11532
GSG1	4.70947	5.17306	5.22751	5.41681	6.47726	6.01144	4.94067	4.99944	4.96807
PLBD1	11.1529	11.2429	11.1928	10.5938	9.6148	9.96545	10.6297	8.16531	10.1964
GUCY2C	8.01375	4.5161	4.89834	5.28384	5.72613	5.4563	5.95057	4.59656	5.89088
WBP11	8.17861	7.70275	8.21996	7.50625	5.78554	7.04648	7.92739	7.20015	7.36316
SMCO3	5.01798	5.27521	5.02585	4.66723	5.79345	5.57573	4.99446	5.22763	4.93118
ART4	5.25336	5.37759	6.19925	5.2209	6.08035	5.65084	6.00583	5.82984	5.46453
MGP	9.25997	9.18186	10.2539	6.39758	6.78953	5.93048	7.74891	6.35936	7.56434
erp27	7.4697	7.34615	7.00139	5.4279	7.43481	6.53019	8.35103	6.70158	8.02001
ARHGDIB	6.88854	6.63647	7.78128	6.82131	5.19483	6.75666	6.88729	7.20742	6.77614
EPS8	8.1996	7.8645	8.49008	6.65816	5.18581	5.15892	5.66249	5.67896	6.21101
LMO3	5.10805	5.24407	5.10953	4.91496	5.4007	5.45054	5.28258	5.23215	5.01503
RERGL	3.71321	4.01172	4.12221	3.06194	3.64968	3.67784	3.13715	3.66341	3.52768
RECQL	7.38902	7.32748	7.4228	7.57028	5.77335	6.61482	7.60994	7.15135	7.01845
GYS2	4.11237	4.15556	4.06537	4.5695	5.29137	5.15311	4.44676	4.80157	4.68094
LDHB	6.03152	6.492	6.45046	7.3308	5.89694	6.77591	6.96573	6.97093	6.62296
SOX5	5.75601	5.83429	5.86024	5.45563	5.61973	5.90143	5.22227	5.50606	5.53562
LINC00477	3.78073	3.91053	4.26829	4.4256	4.48519	4.39894	4.29858	4.31868	4.02549
C12orf77	3.4665	3.67994	3.42756	4.21108	4.65327	4.55199	3.72134	4.02503	4.09639
CASC1	3.78812	4.07649	3.86622	3.35739	3.68464	3.70703	4.04326	3.69413	3.56425
kras	8.24571	8.00771	8.28481	8.68284	6.4341	8.91633	8.96576	8.94213	8.73288
LMNTD1	3.05311	3.3484	3.08513	3.60845	4.35784	4.08966	3.27413	3.47804	3.43802
MIR4302	4.27931	2.47251	4.65807	5.61112	5.98341	5.97158	3.28859	6.41362	4.70042
RASSF8-AS1	5.53418	5.59825	5.8792	5.61631	5.7555	5.74642	5.51917	5.09316	5.65214
C12orf71	4.97265	4.7043	4.27023	4.20302	4.63886	5.38795	4.84012	4.76009	4.78806

MANSC4	5.31597	8.30983	5.46464	6.09742	6.30568	5.53779	5.66842	5.57588	5.606
ERGIC2	9.95898	9.85388	10.1799	9.23882	8.29541	8.96888	9.86292	10.0706	10.0836
OVCH1	4.41463	4.44819	4.68243	4.80938	5.56411	4.66628	4.69191	4.51626	4.54708
TMTC1	7.05257	7.12913	7.8837	6.21425	5.52381	7.21755	6.95813	7.0707	6.55206
IPO8	8.18894	7.93418	7.73778	7.76749	5.89605	7.09159	8.00279	7.0133	7.68833
CAPRIN2	8.43072	8.72854	8.02529	7.15311	5.94135	6.33221	6.83791	7.02809	7.35266
DDX11-AS1	6.15582	6.22702	6.49023	6.32896	7.19767	6.17583	6.08026	6.76311	6.52085
DENND5B	6.73202	7.22474	7.11917	5.69098	6.74022	5.78471	5.64206	5.90798	5.91176
AMN1	6.73251	6.76788	6.44445	7.07872	7.0957	8.38426	7.20195	8.06061	6.90419
PKP2	7.00714	7.04265	7.36933	8.10847	6.9899	7.60965	8.15534	8.64034	8.53858
SYT10	5.34636	5.8469	5.75917	5.88345	6.6815	6.45334	5.70353	6.31038	6.07375
CPNE8	7.26161	6.13612	7.13345	5.97421	5.6325	5.74833	6.42298	6.54114	7.15602
KIF21A	7.10472	7.55282	7.61044	6.86653	5.50854	6.73197	7.30409	6.68263	7.74372
GXYLT1	7.65787	8.4292	8.00018	7.61814	5.90856	5.66767	7.45665	7.22972	7.68858
ZCRB1	9.63452	9.31968	9.82517	8.78242	8.05521	8.33308	9.16343	8.67061	8.96829
PRICKLE1	8.0969	8.40474	7.9122	6.74344	7.25255	5.65279	7.05355	6.07634	6.30593
PUS7L	7.48102	7.95266	7.7762	6.34828	4.49799	6.53381	7.31784	6.02277	6.1949
DBX2	5.09283	5.46412	5.8191	5.70404	5.60338	5.43855	5.0548	5.66872	5.61979
RACGAP1P	5.04784	4.9685	5.3058	4.95378	5.52417	5.81647	5.36053	5.25197	5.05333
LINC00938	7.47743	7.5233	7.62799	7.37602	6.56533	7.14986	7.79156	6.34136	7.12954
SCAF11	8.36512	8.57732	8.55281	7.28961	5.54031	7.1079	7.80263	8.21571	7.77136
AMIGO2	5.56917	5.47499	5.5091	6.89065	5.68292	5.21977	5.76612	6.37502	5.41465
PCED1B-AS1	5.06364	4.62253	5.70236	5.36367	6.04227	5.40667	5.38391	5.37599	5.01546
MIR4494	6.10331	6.20384	5.93882	5.78129	6.69327	5.99601	5.67154	5.86961	5.36781
RPAP3	7.45141	7.90059	7.50217	6.90678	4.72888	5.79707	7.01606	6.43282	6.37269
RAPGEF3	6.42189	6.39898	6.67009	6.66272	6.76538	7.06699	6.61953	7.02293	7.3567

HDAC7	8.1337	8.1098	7.96737	7.58783	7.26007	8.07473	7.48815	7.53247	7.99175
SENP1	9.26257	9.40673	9.24453	7.25611	7.44385	6.80131	7.709	7.37031	7.6944
ASB8	7.20246	7.3366	7.31862	5.99564	5.83114	5.73046	6.35845	6.43379	6.35888
ZNF641	6.98246	6.64173	7.02934	6.41626	6.03424	6.07155	6.26305	6.3847	6.19912
KANSL2	7.5222	7.37065	7.33749	6.76265	6.37449	6.41109	6.97578	6.39235	6.70627
CCNT1	8.64553	8.82739	8.95337	7.70429	6.20768	6.8929	7.76503	7.58266	7.74082
DDX23	7.98836	8.05445	7.92293	7.46533	6.43017	7.13831	8.15948	7.16653	7.78058
RND1	5.71942	5.19011	5.05389	5.96078	6.34614	7.20319	6.58083	8.54851	6.66871
ARF3	9.50931	9.2291	9.25942	8.83662	8.00698	8.77382	8.91756	8.57633	9.02346
KMT2D	8.69592	8.44208	8.61362	7.54862	6.20749	7.49594	7.86902	7.59827	8.19409
RHEBL1	5.52372	5.41904	5.43178	5.27588	5.58488	5.58229	5.52466	5.78058	5.36906
dhh	5.64745	5.90381	6.03334	6.28467	6.48869	6.27019	5.80421	6.09985	6.31714
LMBR1L	7.44462	7.32668	6.97888	6.93992	7.12338	6.6539	6.97273	7.60625	7.22746
MCRS1	7.60458	7.60282	7.41061	7.59672	6.07835	7.42104	7.57922	6.768	7.76616
FMNL3	7.19537	6.55539	6.90592	7.4236	5.75087	6.55438	6.90768	7.1589	7.19805
NCKAP5L	6.76279	6.2184	6.78584	6.79858	7.01978	6.83121	7.0248	6.85783	6.88915
BCDIN3D	5.59226	6.22684	5.68664	6.04485	6.27742	6.21682	6.17835	6.06187	6.20444
FAIM2	8.39216	8.8836	8.19351	8.88502	7.41282	6.92035	8.01188	7.25416	8.41503
LOC283332	4.30909	4.83532	4.44551	4.8247	5.16721	5.10913	5.08733	4.90843	5.21681
RACGAP1	4.88131	4.62066	4.93843	4.79539	4.65075	4.93271	5.0698	4.50988	4.79388
CERS5	7.86992	7.82852	7.93105	6.81727	6.18743	6.19125	7.32126	7.25452	7.43494
LIMA1	8.92666	8.44121	8.24876	9.07103	6.6602	8.75191	9.1603	8.66539	9.15549
MIR1293	4.42971	4.9309	5.19102	5.23733	5.81353	5.68341	4.85725	5.1196	5.126
csnp2	6.82699	6.41192	6.90101	6.64924	6.04791	6.80985	6.64183	6.6475	6.98829
tfcp2	7.95064	8.22371	7.96692	7.80609	5.80245	7.09106	8.02002	7.32794	7.50113
POU6F1	7.21641	7.36978	7.33289	6.70618	6.50613	7.01665	6.8462	6.39745	6.46401

SMAGP	10.4381	10.6173	10.4048	9.97573	9.09107	8.91957	10.4864	8.98291	10.084
BIN2	6.0427	5.75422	6.61017	6.14969	6.19257	5.89708	5.95917	5.79272	5.84137
GALNT6	9.0278	8.52525	8.16568	9.94694	7.87294	9.69598	10.2179	9.78585	10.6996
FIGNL2	5.52157	5.45802	5.41329	5.61402	5.99006	5.76478	5.49751	5.78383	5.498
KRT80	10.6619	9.43323	10.4272	10.3715	9.97829	11.2255	10.2525	11.8588	11.6327
C12orf80	5.31508	4.91897	5.3763	5.87445	5.9989	6.2592	5.59289	5.66227	5.81909
KRT81	6.00029	6.16967	6.12316	6.20631	7.17954	6.80207	6.22535	6.63209	6.53254
KRT83	4.85452	5.1805	5.18919	5.72112	6.27644	5.4894	5.54825	5.7911	5.552
KRT85	6.34377	6.15887	6.50611	6.36622	7.48707	6.59587	6.55719	6.93935	6.93392
KRT84	5.43688	5.63021	5.40542	5.8744	5.98551	6.14241	6.34714	6.26692	6.32324
KRT82	4.90555	5.23401	5.29067	5.57248	5.89814	5.94707	5.45505	6.39594	5.78794
KRT75	5.97362	5.20841	5.9115	10.442	6.65966	9.11359	9.89097	11.4023	10.4673
KRT6B	9.50187	6.29306	8.7781	11.4871	11.1856	11.965	11.7548	11.8722	11.8114
KRT6C	10.0808	5.86547	5.03589	11.4265	9.32294	10.175	10.7721	11.3537	12.2011
KRT6A	9.51749	7.42466	9.04434	10.9782	10.2055	10.1263	10.1406	11.0425	11.6559
KRT5	12.827	12.1787	12.1064	12.1196	11.1829	11.2092	12.2264	12.0844	12.4946
KRT71	5.20657	5.17461	5.75428	6.03884	5.98554	6.21331	5.64999	6.17456	6.12133
KRT74	4.94649	5.34978	5.02747	5.09591	5.84223	5.95227	5.49405	5.46748	5.17607
KRT72	6.66691	6.60148	6.13331	6.14883	5.87732	5.9415	5.83252	6.58184	5.32146
KRT73	7.35133	7.9341	6.86849	5.93535	5.90139	5.53689	4.84495	5.21076	5.38013
KRT2	12.1845	12.9748	12.356	9.17416	5.20455	7.23361	5.72412	5.49128	6.81619
KRT1	13.4641	13.4374	13.3663	13.0126	7.80301	12.4061	12.6839	7.68243	10.2765
KRT77	7.16558	7.12472	8.09803	5.52792	5.17261	5.46835	5.51321	5.22899	5.43267
KRT76	4.66111	4.81605	4.79564	4.14764	5.96906	5.36167	4.58875	4.6686	4.55711
KRT3	5.87105	5.5642	5.7622	6.64354	5.86665	6.76102	6.09997	6.23085	7.19392
KRT4	5.02277	4.99676	5.10273	5.85929	5.80261	5.7866	5.16839	5.54962	5.57858

KRT79	5.65211	5.54076	5.60837	7.13997	6.49693	6.01127	5.82742	5.68315	5.59785
KRT78	8.80623	8.92801	9.01931	9.03419	7.75704	9.74089	8.7465	8.4484	9.30828
KRT8	6.71463	6.96647	6.75538	6.70499	7.98436	7.17511	6.44012	6.81096	6.87563
LOC283335	6.46455	6.48815	6.86453	6.24636	7.21386	6.41267	6.54548	6.33275	6.50868
spryd3	7.89459	7.71826	7.72616	7.66792	6.7326	8.09704	8.19943	8.07445	8.14555
CSAD	8.91111	9.22747	8.65545	7.59844	7.143	7.07068	7.03633	7.1369	7.57156
SP7	5.82197	6.0074	5.87026	6.26701	6.97291	6.44616	6.15585	6.2043	5.83669
MAP3K12	7.00269	6.63816	6.82406	6.59911	6.74075	6.35469	6.21375	6.1626	6.28591
npff	6.99562	6.71992	6.85169	5.78784	6.7079	6.1559	6.39408	6.08644	6.39684
CALCOCO1	9.1242	9.19046	8.74815	7.73439	7.21876	7.79201	7.73861	8.7053	8.26705
HOXC13-AS	7.27717	7.23488	7.34109	7.47908	7.55412	7.74788	7.88775	7.08176	7.2842
HOTAIR	6.43468	6.67839	6.07927	5.1852	5.00427	5.41886	5.03328	5.25867	5.09652
LOC100240735	4.81748	5.22662	4.36073	4.8809	5.74814	5.34421	4.76627	5.36251	4.99246
SMUG1	7.27791	7.28709	7.33467	7.20406	7.086	7.08985	7.0119	7.23758	7.21392
CBX5	7.96487	8.42847	8.46805	7.38633	6.38055	6.8149	7.65768	6.88988	7.3628
GPR84	5.48678	5.42347	5.18625	5.2501	6.08655	5.54311	5.5065	5.49487	5.79176
ZNF385A	10.1076	10.1378	10.0821	9.91591	9.13328	11.0411	10.2281	10.1338	10.1495
GTSF1	4.34497	4.50021	4.34264	4.48035	5.65596	4.83576	4.71081	4.67438	4.32473
GLYCAM1	5.0151	5.06459	4.6476	5.28393	5.63193	5.12164	5.30636	5.05729	4.9328
LACRT	5.73234	5.72073	5.93111	5.66552	6.26981	6.05423	5.63021	5.5214	5.62709
DCD	9.07989	9.61878	10.8325	4.6744	5.28453	4.71069	4.04138	4.81885	4.64038
CD63	7.99665	7.92949	8.22293	8.65665	7.71576	9.12528	8.52926	8.68267	8.5313
SARNP	7.74876	7.89825	7.69186	7.82435	6.57156	7.89263	8.09876	7.74556	7.75581
MMP19	6.48872	5.71177	6.48899	6.41203	6.37202	6.68464	6.4773	6.44388	6.77924
PYM1	7.64404	7.9281	7.82192	7.45497	6.61649	7.12033	7.94695	6.7665	7.30013
PMEL	9.48508	7.62542	7.75869	6.16473	6.47477	6.30261	7.01356	6.24071	6.59945

RNF41	8.1206	8.28382	8.23493	8.07499	7.28221	8.18035	8.6329	7.89506	8.37046
ANKRD52	8.31585	8.2724	8.25211	8.4304	6.6434	7.74169	8.23826	8.34478	8.23079
CS	8.93703	8.8786	9.09185	8.38577	7.03723	7.71069	8.61851	8.40819	8.77569
PAN2	8.26715	8.34614	8.0277	6.75586	6.33577	5.65622	6.62045	6.04172	6.06212
APOF	5.05727	5.20687	5.01965	5.80309	6.2518	5.70366	5.84715	6.05068	5.64751
TIMELESS	6.67469	6.15791	6.3622	6.48617	6.12701	6.34724	6.49975	6.28154	6.42922
MIP	5.59605	5.34875	5.52084	5.83438	6.71522	5.99994	5.66315	6.12533	6.07062
PTGES3	9.90715	9.37479	9.81519	9.6366	7.50386	10.3195	10.3652	9.39931	9.50698
NACA	8.29937	8.00696	7.70524	6.66507	7.00929	6.83638	6.73421	7.1807	7.70298
RDH16	6.8112	6.76709	6.56663	6.53895	6.59231	6.23771	7.15507	5.99512	6.32797
ZBTB39	7.86801	8.14993	8.22634	6.62182	5.90112	5.72314	7.37392	6.1253	6.43668
TAC3	5.00391	5.38819	5.10555	5.1744	5.9572	5.07928	5.67312	5.51658	5.43929
MYO1A	5.25601	5.08643	5.29494	5.47082	6.08782	5.48949	5.68476	5.56371	5.37421
NEMP1	8.13227	8.26081	8.15029	7.32308	6.32979	6.05708	6.55713	7.02462	5.93425
STAC3	5.74614	5.8441	5.55855	5.95021	5.62076	5.62895	5.8115	5.40844	5.33795
R3HDM2	9.25524	9.27645	9.22348	7.83749	6.69794	7.83135	8.31441	7.78937	8.1197
ARHGAP9	5.6112	5.81878	5.56996	5.84707	6.23972	6.27769	5.78015	5.96801	6.22791
DDIT3	5.66453	5.96638	5.34679	4.73452	4.79233	7.20467	5.04003	5.43116	5.10469
MIR616	4.3681	3.46732	4.11488	3.60555	3.75989	3.97818	3.66788	4.78194	3.76135
DCTN2	7.75837	7.64048	7.61985	7.93357	6.23397	8.11692	8.19222	7.5172	7.98644
CDK4	8.70842	8.56719	9.00125	8.52301	6.7931	7.78689	8.34566	7.5381	7.79372
METTL1	7.61429	7.06262	7.471	7.76164	6.91126	7.27224	8.1957	6.85369	7.56143
AVIL	6.7632	7.05404	6.79551	6.43594	6.62998	6.09011	5.95901	6.24057	6.43779
MIR26A2	4.8077	3.66697	4.35628	4.34594	4.29608	3.50215	4.04518	4.2984	4.66728
LOC100506844	4.72042	4.911	4.48519	4.63802	5.1717	5.1491	5.00323	4.7897	4.85181
LRIG3	9.43935	9.19553	9.59684	7.03444	5.86554	6.2245	8.56665	6.40757	6.51701

AVPR1A	6.09758	5.69603	6.45951	6.4076	5.03848	5.18927	4.92159	5.02244	5.35359
DPY19L2	6.12627	6.33815	6.56495	6.21634	7.07436	6.81776	5.87666	6.4818	6.28545
c12orf66	7.36256	7.64034	7.67939	6.41981	5.48009	6.24574	7.06013	5.74128	5.67199
C12orf56	8.17014	6.58958	6.928	8.04766	6.82676	9.381	8.94499	8.10431	9.65558
GNS	9.00937	8.5818	9.02484	8.37041	5.98791	8.14952	8.73517	9.13893	8.55789
WIF1	4.44612	5.19447	4.87539	4.89938	5.74429	5.0214	4.70819	5.10154	5.34834
RPSAP52	5.36255	5.31937	5.99005	5.58365	6.42602	5.56018	5.80578	6.91515	6.50911
TMBIM4	7.50615	7.91565	7.87793	7.47826	6.16188	7.11372	7.7189	6.61606	7.24678
GRIP1	8.12454	7.83076	7.81866	7.29283	6.25304	6.37773	7.27762	6.34819	6.6753
IL26	2.86907	2.78178	2.66206	3.21346	3.28928	3.36336	3.24497	2.94093	3.06551
IL22	3.05818	3.8321	3.49709	4.13948	5.28894	4.74141	4.31027	3.86856	4.14998
MDM1	6.0811	6.61291	6.49772	5.68588	5.41654	5.19174	5.51294	5.19358	5.16759
LOC100507250	5.19022	4.77112	4.79742	5.56317	6.55413	5.62546	5.46622	5.06736	5.26243
CPM	9.0255	9.20646	8.70288	8.63277	6.61808	6.64761	6.81626	6.71405	6.44673
MIR1279	1.71737	2.616	2.43066	1.80518	2.08526	2.62224	1.72061	1.82603	1.97561
LRRC10	6.10551	6.05772	6.04195	6.6669	7.03299	6.43296	6.20466	6.48641	6.27728
BEST3	5.40779	6.34975	5.89368	5.23129	5.96425	5.32426	5.43353	5.2549	5.55958
TSPAN8	4.68191	4.896	4.93882	4.60302	5.62259	4.60995	4.73191	4.44713	4.50783
MRS2P2	4.06381	4.25524	4.24325	4.47009	4.66629	4.86132	5.17668	4.25676	4.69193
TRHDE-AS1	4.43674	4.26356	4.36839	4.14933	4.74717	5.00596	4.79168	4.6847	4.13125
CAPS2	5.74737	6.13424	5.76855	4.91221	5.29265	4.18543	4.95083	4.95083	4.45598
NAP1L1	6.9178	7.29609	7.21613	6.12794	5.16722	5.76709	5.5952	6.30178	6.27913
BBS10	7.63965	7.54616	7.63224	7.4133	6.3572	7.17018	7.36828	6.97995	7.30715
OSBPL8	10.0502	10.2696	10.2065	9.19112	6.83771	9.02547	9.66944	9.35801	9.78534
CSRP2	8.12267	10.1304	9.04462	7.87615	7.51412	7.97663	7.95322	8.49065	8.242
E2F7	6.7169	6.36402	6.64226	6.82053	6.60547	6.21012	6.64875	6.90327	6.7047

LIN7A	5.47724	5.08584	5.60436	5.49431	5.41466	5.27476	5.01888	5.20446	5.67312
MIR617	3.66573	3.90945	3.63104	3.24091	3.79883	4.00618	3.7834	3.86255	3.97543
MIR618	2.77152	3.05479	2.56507	2.83764	2.63673	3.28547	2.80271	3.26545	3.40449
CCDC59	7.63885	8.11232	7.68454	7.4785	5.94511	7.32666	7.74299	7.05105	7.4785
TSPAN19	2.30355	2.36715	2.30141	2.54901	2.44744	2.96827	2.73366	2.44728	3.11593
RASSF9	5.65249	6.12848	6.22307	5.66357	5.54708	5.13854	5.70482	4.66048	5.05303
CEP290	7.15336	7.07473	6.90923	5.64183	4.1235	5.02803	5.93627	4.72657	5.01391
KITLG	8.00799	6.98462	7.30079	7.04743	5.06357	5.48749	6.40117	5.39554	5.49965
LOC728084	3.81667	3.96002	3.25101	4.31515	4.72161	4.12777	4.33737	4.30964	4.17978
DUSP6	8.05577	6.55662	7.98975	8.42211	5.98768	6.89265	8.48474	7.71971	8.2592
POC1B-GALNT4	6.98701	7.02591	7.08578	6.3207	5.82861	6.88837	7.49567	6.87053	6.87478
CCER1	3.87204	4.28345	4.33303	4.85682	4.91346	4.64561	4.60666	4.20146	4.42322
EPYC	5.18471	4.99401	4.64371	5.27896	5.64547	5.5376	5.10481	5.09059	4.79803
KERA	3.84388	3.74666	3.55649	3.39837	4.77055	4.36808	3.6309	3.72173	3.60844
LUM	12.1198	11.3473	11.6402	11.8855	7.0895	9.76302	10.9858	10.6136	11.0103
DCN	8.27874	8.12631	8.66043	7.14708	4.51761	5.68265	6.47928	5.93329	5.90499
CLLU1OS	5.40382	5.32289	5.29033	5.06673	6.55727	5.7408	5.84117	5.34555	5.88297
EEA1	9.74317	9.82334	9.72242	9.51688	6.18243	9.39969	9.57437	9.43517	9.8656
LOC643339	4.87126	4.77495	5.32854	4.95264	5.10088	5.1201	5.13864	4.59034	4.79359
UBE2N	7.95285	6.96811	7.27216	6.09115	5.92938	6.10213	6.51076	6.83498	7.07477
SOCS2-AS1	6.30242	6.19508	6.17254	6.33843	5.94123	6.46013	5.99108	6.05794	6.36219
cep83	7.68803	7.35539	7.62178	5.95896	5.26502	5.66587	6.24471	5.84015	6.11454
TMCC3	8.4777	8.6653	8.18616	8.60482	8.13733	9.97931	8.55884	9.74811	9.20197
USP44	3.74852	3.97625	3.56048	4.1932	3.92567	4.94904	4.17728	4.55586	3.93002
NTN4	7.80483	7.16881	7.41451	6.64505	6.14384	6.62526	6.66373	6.77884	6.31405
CCDC38	3.32986	3.51112	3.4936	3.71667	4.24409	4.40886	3.7956	4.25969	3.92229

hal	11.0341	10.0068	10.0172	9.62226	5.94321	6.4522	7.76913	5.6721	5.22966
LTA4H	8.63364	8.30371	8.28017	8.15908	6.80151	8.23155	8.21472	9.58013	8.08201
CDK17	9.21974	8.76967	9.01953	8.43921	6.10565	8.13481	8.3994	8.77738	8.71735
MIR4495	2.26381	2.55462	2.1818	2.18415	2.88495	2.93353	2.72414	2.30587	2.49335
MIR4303	4.89968	5.13308	5.01809	3.82377	5.84812	4.79516	4.37554	5.35586	5.0877
LOC643770	4.68494	5.05344	4.62712	4.99321	4.97873	5.67127	4.83429	4.81723	4.7587
TMPO-AS1	6.26283	6.51165	6.38049	6.92186	6.48029	6.56276	6.60342	6.53541	6.3974
IKBIP	5.41681	5.28898	5.66138	6.16473	4.66095	4.65065	6.32569	5.70166	5.72243
ANKS1B	6.60264	6.6323	6.02073	5.48152	5.77759	5.29744	5.16826	5.43751	4.96806
UHRF1BP1L	7.8748	7.98253	8.03632	7.44334	5.68737	7.75262	7.77085	8.50746	7.97393
GOLGA2P5	6.23774	6.17791	6.19421	5.18712	6.41676	6.23489	5.03357	6.42917	6.1346
DEPDC4	3.6951	4.04425	3.90148	3.67445	3.47092	4.02248	3.93403	3.80179	3.49142
ARL1	7.85036	8.02774	7.9499	7.45795	6.68345	6.92572	7.63214	6.74873	7.37825
SYCP3	4.51666	3.293	3.94853	3.48533	2.83204	3.57607	3.47286	3.01771	3.24662
CCDC53	7.96514	7.76255	7.99719	7.83883	5.73548	7.35453	7.58693	6.8717	7.07647
NUP37	7.34445	7.21017	7.1641	6.8963	6.11036	6.68262	7.34919	6.10005	6.14469
pmch	2.94598	3.23323	3.1753	2.92175	2.99041	3.67728	3.3749	3.4282	3.28878
IGF1	8.18868	8.24595	8.05341	6.05312	6.37468	6.40404	6.64224	6.13234	6.50488
PAH	4.30572	4.32018	4.44857	4.69472	6.16094	5.56161	4.36253	5.00624	4.882
C12orf42	5.10993	5.1605	5.23833	5.19519	5.95876	5.66619	5.52735	5.55967	5.50193
NT5DC3	6.55051	6.08715	6.43816	7.07318	5.91928	6.12406	6.32726	5.95405	5.88361
c12orf73	6.95311	7.73665	7.49621	6.92499	7.00667	6.5108	6.9111	7.01283	6.60856
GLT8D2	7.77609	6.73171	7.3287	7.74895	5.31942	5.76502	7.16458	5.55294	6.35677
PGAM1	7.89536	7.38788	7.89443	10.0869	7.75553	10.4983	9.91394	9.63986	9.45539
CKAP4	6.33921	6.30493	6.12299	6.98672	6.16138	6.8725	7.35052	6.42498	6.78611
LOC100287944	3.76572	3.61507	3.85759	4.11614	4.77561	4.53994	4.01491	3.851	4.17402

LOC100505978	6.01593	5.91892	5.82292	6.24732	6.77665	5.88247	5.58247	5.99072	5.7393
MTERF2	7.52531	7.36935	6.77264	6.25102	5.02363	5.85143	6.33223	5.68926	5.65012
CRY1	6.6297	6.57624	6.90034	6.49074	5.58792	6.17352	6.94698	6.6481	6.23359
prdm4	8.69144	8.63235	8.71216	8.61071	6.20386	8.24262	8.92227	8.46137	9.06212
LOC728739	6.66721	6.26425	6.18113	6.93515	5.91506	7.25749	7.12136	6.93453	6.68487
CMKLR1	6.79464	6.41671	7.47919	6.52955	7.09217	5.94691	6.22452	6.60857	6.98299
SART3	7.13562	7.31757	7.20696	6.87978	6.17603	6.72363	6.8384	6.5443	6.72075
TMEM119	6.63526	6.42375	6.83273	7.1668	6.00934	7.11488	6.94453	6.81934	6.60315
SELPLG	6.02816	6.08717	6.36411	6.45874	6.47664	6.62477	6.6057	6.4687	7.03512
SSH1	7.61747	7.31629	7.51278	6.84091	5.2518	6.70721	7.12879	7.97522	7.56294
MIR619	6.86086	6.38589	6.51531	6.0251	6.33252	6.33949	6.14261	6.80605	6.86191
SVOP	5.51992	5.61637	5.83462	5.71523	6.91214	5.95962	5.78665	5.85431	5.90561
USP30-AS1	5.1921	5.552	5.29864	5.60412	5.83874	5.32788	5.51767	5.7651	5.32582
FOXN4	5.99388	6.06381	6.27875	6.58607	7.04217	6.85704	6.80401	6.61985	6.49323
KCTD10	7.98064	7.90607	7.94339	7.81266	6.9349	7.22095	7.04968	8.44711	8.9177
MMAB	7.97141	8.28978	8.3554	8.30448	7.94574	8.15805	8.69753	7.40075	8.47152
FAM222A-AS1	4.6473	4.66768	4.48928	5.28422	4.67238	5.27414	4.99551	5.02812	5.24444
GLTP	12.1665	11.3128	11.5348	12.0987	11.0271	12.235	11.8745	11.3307	12.1512
GIT2	9.13847	8.90606	9.1462	7.88654	6.48662	7.0796	8.30021	8.40354	8.34788
ANAPC7	9.3688	9.0565	9.24931	8.58391	6.42383	7.71315	8.7847	8.48603	8.94854
gpn3	6.01797	6.17874	6.06916	5.56173	4.72383	5.67606	6.52243	5.35727	5.55394
VPS29	8.67363	8.54095	8.74118	8.25831	6.07584	7.48183	7.84701	7.95372	8.01992
PPTC7	7.99834	7.88876	8.50857	7.16675	5.95579	7.34322	7.83137	8.79712	7.65062
HVCN1	5.98113	5.90965	5.99822	6.32568	6.31399	6.06099	6.30502	6.18544	5.76199
ATXN2	8.41908	8.57402	8.43006	7.70872	6.19556	6.97296	7.71287	7.96066	8.11206
BRAP	8.64297	9.01213	8.7116	8.27723	6.29306	8.09416	8.63078	8.28049	8.0097

TMEM116	9.03153	9.19348	8.57042	6.17548	6.71008	5.07736	6.22871	5.34536	5.41741
MIR3657	3.8636	3.95141	3.69636	3.93854	3.69647	4.20554	3.9631	4.0591	3.98335
HECTD4	9.02271	9.09708	8.83902	7.89212	6.99426	7.78579	7.97292	8.29135	8.42863
RPL6	6.61983	6.65899	6.81944	6.6158	6.05567	6.75187	6.65701	6.24106	6.4877
MIR1302-1	2.17587	2.20176	1.86645	3.2957	1.83749	2.97075	2.87058	1.77559	2.41197
RASAL1	7.4979	7.25221	7.10216	7.42463	6.12507	7.69567	7.65414	7.71337	7.85055
DDX54	7.74609	7.51433	7.88426	8.32568	7.64655	8.10365	8.41679	7.70324	7.73952
IQCD	5.76969	5.76092	5.6709	5.97176	6.37071	5.83669	5.7445	5.90652	5.83362
SDS	5.31894	4.99245	4.84758	6.01145	5.44642	5.25391	5.4168	5.68841	5.57533
LHX5	4.21068	4.44987	4.0405	4.99178	4.23295	4.99653	5.13391	4.50156	4.94353
RBM19	7.34962	7.40675	7.56712	6.87303	5.26011	6.86689	7.36275	6.91866	7.33985
TBX5	6.43251	6.89721	6.60831	6.1731	6.32652	6.28013	5.73596	6.35934	6.10034
TBX3	8.55682	9.74871	8.95069	7.70515	6.90249	7.81019	8.58112	7.77469	7.5727
MED13L	10.8023	10.6135	10.6507	9.19704	7.21698	9.38885	9.41198	9.68025	9.80765
MIR620	2.74806	2.49895	1.9852	2.55893	1.74729	2.79362	3.59663	2.5069	2.72907
TESC	6.27655	6.74979	6.07873	6.67634	6.30147	7.1604	6.62449	6.9177	6.50063
FBXO21	7.99177	8.24034	8.08984	7.53782	5.84086	7.08379	7.65976	7.81232	6.88059
NOS1	7.2659	8.85369	7.22014	7.61884	6.67315	7.65819	7.16434	6.92356	7.62691
WSB2	9.96794	9.98452	9.88144	10.3827	8.77072	10.128	10.4334	9.82403	10.3419
vsig10	6.55397	6.89876	6.68527	6.00803	6.66986	6.15103	6.27696	6.66836	6.23655
TAOK3	8.5501	8.57309	8.40383	7.3822	6.48906	7.282	7.89465	8.27997	7.95468
LINC00934	4.43827	4.67917	4.70879	5.09723	6.39781	4.65279	4.15468	5.01839	4.922
GCN1	8.8589	8.75597	8.68529	8.55208	6.98516	7.97405	8.67865	8.30567	8.43787
MIR4498	2.95869	3.45426	3.56862	3.3399	3.22687	3.78995	3.1763	3.7085	3.74653
PXN	7.6232	7.622	7.83672	8.14038	6.44137	8.8067	8.36163	8.4485	8.64173
MSI1	5.40633	5.98895	5.83862	6.2388	5.57749	6.80348	5.66288	6.33319	6.14963

TRIAP1	6.77946	6.15206	6.75872	7.03779	6.05516	6.41216	7.68781	6.25998	6.57077
NRAV	8.00354	8.36418	7.99186	8.71982	7.10752	9.68946	8.72632	8.57039	9.09252
SPPL3	9.80033	9.61023	9.56562	9.20126	7.37587	8.74592	9.66909	9.35124	9.13722
HNFA-AS1	4.89068	5.2298	4.9835	5.28836	5.85384	5.93795	5.18845	5.50533	5.21913
OASL	7.16625	6.33571	6.8134	8.31071	7.91039	8.47461	7.45438	8.86455	7.51085
ANAPC5	9.35508	9.27173	9.42951	8.56154	6.89696	7.68181	8.80997	7.48806	8.22463
KDM2B	6.71692	6.51188	6.35459	6.50866	5.86061	6.62296	6.84563	6.31061	6.51578
MORN3	5.31978	5.26676	5.47647	5.89582	5.66423	5.84356	5.80618	5.69901	5.62678
RHOF	6.52084	6.63749	6.52618	7.06355	7.48701	8.43159	7.07435	8.90102	8.22878
LINC01089	7.32815	7.50019	7.55863	6.82481	6.45893	6.33976	6.34206	6.57587	6.85025
HPD	4.65908	4.64913	4.86327	5.17541	5.54515	5.85404	5.52948	5.34191	5.22516
IL31	4.47784	4.22317	4.22751	4.85358	5.45336	4.64132	4.5231	4.65573	4.84699
VPS33A	7.05111	6.7859	6.92221	6.67128	6.39979	5.98025	6.77366	6.37699	6.74305
CLIP1	10.1663	10.0108	9.96129	9.90954	8.59403	10.3765	10.0987	10.3161	10.7904
RSRC2	8.86411	8.74298	8.7062	7.41091	6.58052	7.55758	6.89331	8.83399	8.23191
HCAR1	5.68544	5.65142	5.66031	5.70598	6.94746	5.86409	5.7612	5.85079	5.58793
HCAR2	6.24278	5.45124	5.0656	6.7261	6.69092	8.91021	7.45606	8.46811	7.36274
MPHOSPH9	7.27544	7.0925	7.21334	6.58321	5.8087	5.71462	6.45757	6.36915	6.04298
CDK2AP1	8.19299	8.01751	8.16284	8.05768	7.91266	7.27762	8.25265	7.40087	7.90194
sbno1	8.80717	8.88963	9.07041	8.39649	5.67993	8.21361	8.73522	8.88208	8.64462
rilpl2	7.38642	7.46022	7.79945	7.61903	6.12951	7.07444	7.76646	7.12217	7.46482
RILPL1	7.56905	7.24245	7.31225	7.10519	6.06891	7.10181	7.00476	6.84887	7.12527
CCDC92	7.54347	7.47094	7.44723	7.88475	7.03488	7.96258	8.18715	8.25218	8.21342
NCOR2	8.07638	7.94972	8.09942	8.04899	6.58826	8.13551	8.48308	8.09179	7.95483
dhx37	7.12492	6.73179	6.92748	7.55418	6.54659	7.23767	7.48636	6.79768	7.09733
LINC00939	4.65348	4.77438	4.70814	5.45058	5.77084	5.32496	5.0528	5.29812	5.05142

LOC440117	5.07832	5.41178	5.05355	5.48451	6.11831	5.39132	5.16476	5.51605	5.44773
TMEM132D	4.65431	4.74304	4.84699	5.50405	5.53107	5.54291	5.56348	5.46786	5.45757
LOC100190940	5.44148	5.26121	5.7252	6.41022	6.96577	6.47102	6.08253	6.32986	6.15065
FZD10-AS1	5.80263	5.88846	5.5802	6.09886	6.29732	6.52067	5.72659	6.00658	6.19118
RIMBP2	6.47711	6.56453	6.58641	6.04674	4.58366	6.16239	6.7067	5.94802	6.19695
STX2	7.53793	7.46105	7.54358	7.62792	6.88569	6.65687	7.38902	7.41911	7.50991
DDX51	6.32386	6.30398	6.33178	6.72672	5.94901	7.23632	6.69454	6.406	6.44114
GALNT9	6.24847	5.92058	6.20407	6.29834	6.7409	6.73923	6.29713	6.73264	6.80265
Lrco1	6.03132	5.65462	5.88501	6.14759	6.18854	6.48393	6.13625	6.56493	6.17393
ANKLE2	8.16543	8.27792	7.94239	8.16128	7.15559	8.38434	8.11621	8.20003	8.61807
GOLGA3	7.76019	7.92447	7.81214	7.97042	6.34525	8.30068	8.22537	7.83994	8.35257
znf605	7.01537	7.03711	6.84646	6.42908	6.56724	6.66813	6.13596	6.37174	6.78529
ANHX	6.34452	6.29	6.18892	6.71505	7.25147	6.77674	6.14027	6.43806	6.72695
LINC00442	4.81119	4.72131	4.70889	4.51105	5.89353	4.92874	4.79769	4.70488	4.77296
LINC00421	5.9528	6.11447	6.04288	6.37113	6.34588	6.32611	6.19735	6.26217	6.18771
MPHOSPH8	7.87566	7.97737	7.69368	6.79299	5.77286	6.19023	7.26342	6.99005	6.93962
IFT88	6.95345	6.98739	7.10208	5.78191	4.60941	5.35473	6.26413	4.76662	5.64727
IL17D	6.1861	6.44607	6.30309	7.08317	7.35502	6.99532	6.69986	6.82591	6.86168
MRPL57	6.96611	6.57714	6.72856	7.49917	6.05814	7.28191	7.79805	6.60916	7.00964
FGF9	3.80487	4.27069	4.39046	4.54437	5.39724	4.51741	4.59865	4.82959	4.74085
LINC00327	3.57989	3.60355	3.47326	3.66047	3.75604	3.82752	3.48327	3.49596	3.63043
C1qtnf9b-as1	6.9617	7.41699	6.14281	7.20293	6.50053	6.44027	7.16889	5.61909	5.88191
SPATA13	6.77044	7.10534	6.93263	5.88836	5.94492	6.52984	6.02289	6.45793	6.16475
MIR2276	5.28245	5.53786	5.09457	5.55418	5.62455	6.52345	5.48189	4.88413	5.57942
C1QTNF9	3.37718	4.15878	4.13107	4.4778	5.51836	4.02587	4.42959	5.05344	4.16178
TPTE2P6	5.41069	4.77495	5.3789	5.10474	7.00429	5.60515	4.91571	5.70339	5.3694

RNF17	3.49816	3.62957	3.18844	3.33169	4.28263	3.53941	4.24475	3.58872	4.41739
MTMR6	2.67262	2.76846	2.10259	2.31713	4.13225	2.58184	3.03908	2.90764	2.27294
NUP58	8.43679	8.59438	8.79683	8.74674	8.74775	9.83363	8.83281	10.0112	9.48346
CDK8	8.19296	8.21036	8.10706	7.68034	6.42341	7.95953	8.48881	8.22841	8.30349
GTF3A	7.96643	7.60774	7.8395	7.76242	7.02259	7.43167	8.03542	6.93506	6.87255
GSX1	5.52094	5.87683	5.71961	6.51768	6.51299	6.72744	6.24512	6.61824	6.41108
PDX1	6.07259	6.26575	6.19666	6.92292	7.02878	6.54146	6.3037	6.93801	6.56818
PAN3	9.66311	9.66858	9.71517	8.41502	7.0051	8.12727	8.83531	8.3281	8.48779
POMP	11.2309	11.0695	11.512	11.4081	10.1399	10.8995	11.598	10.8795	11.2517
MTUS2	4.77441	4.77677	4.50175	5.02902	5.55551	5.13459	5.06515	4.86898	4.89444
LINC00544	5.55221	5.92747	5.3218	5.96112	6.32277	6.43156	6.36227	5.85981	5.99455
USPL1	7.31997	7.53948	7.45481	6.67856	6.28986	6.3293	6.73083	6.29599	6.90696
ALOX5AP	6.44146	6.1637	7.26643	5.98809	6.93696	7.23106	6.87267	7.36306	7.02913
LINC00398	4.85045	4.98403	4.89219	5.41717	6.52359	5.26116	5.1409	5.0302	5.10336
MEDAG	7.27655	6.10901	8.62253	7.32302	4.80271	6.55701	8.27066	7.77647	7.56385
TEX26	2.90278	3.24422	3.0641	3.37414	3.39941	3.96293	3.64551	3.44059	3.38443
RXFP2	2.6346	2.94558	2.61939	3.29319	3.3826	3.49943	3.10952	2.97731	3.2988
EEF1DP3	6.80643	6.47903	6.66403	6.12515	6.25217	6.33585	6.16813	6.80982	6.76561
FRY	8.83127	7.88583	8.50998	7.23831	6.85415	7.07389	7.27648	7.47788	7.29302
KL	6.14584	6.06431	6.30336	6.43514	6.75609	6.45293	5.78485	6.22244	6.11558
STARD13-AS	5.48109	5.70699	5.40344	5.4179	6.25596	5.49864	5.19803	5.4012	5.97877
NBEA	6.70314	7.3764	7.09267	4.69747	5.75329	5.40967	5.37661	4.81515	5.47404
SPG20-AS1	4.56161	4.37057	4.3292	3.7342	3.49131	3.50843	4.28293	3.67915	3.75744
CCNA1	4.94887	5.12007	4.62945	6.13749	6.33031	6.08919	6.33416	5.59021	6.37137
sertm1	5.74802	5.54786	5.48801	6.144	6.78575	5.72939	5.99261	5.9555	5.62666
rfxap	5.74031	6.06762	5.89936	5.26615	4.63573	5.37825	5.59482	5.02779	4.96753

EXOSC8	7.83393	7.72607	8.06634	7.83763	5.13866	6.50145	7.89329	6.81381	7.10652
LINC00547	3.39557	3.53163	3.39975	3.94738	4.85301	4.12824	4.06921	3.50051	3.68429
UFM1	8.44083	8.42171	8.34904	7.89925	6.7699	8.33901	8.2015	8.36444	8.16008
LINC00366	3.92973	3.73777	3.41715	4.31291	4.00448	4.19285	3.70296	3.85637	3.88537
FREM2	6.22015	8.75037	5.61724	5.92329	5.8644	5.09232	4.7352	4.80157	5.04625
NHLRC3	7.21958	7.44614	7.34169	6.0578	5.40946	5.36562	6.3363	5.372	5.29664
COG6	8.04997	7.98102	7.98744	7.01598	4.91537	6.53305	7.51362	7.23323	7.16884
LINC00332	3.20734	3.30064	3.45927	3.80212	3.6354	4.22293	3.56326	3.71536	3.78417
SLC25A15	6.95865	7.08489	6.88832	7.87198	7.01139	6.98382	7.66761	6.35189	7.27605
WBP4	6.94902	7.22791	7.10131	6.52822	4.86571	6.15103	7.23377	5.862	6.3326
RGCC	7.34953	7.46473	8.16325	8.63713	5.85542	6.85132	7.93829	7.93165	7.67989
VWA8-AS1	3.63963	3.62091	3.73516	4.36874	4.2627	4.73342	4.18386	4.59564	4.16623
AKAP11	8.17242	8.27001	8.35827	7.35347	5.47706	7.27223	7.88365	8.03015	7.74162
lacc1	7.34933	7.05876	6.94159	7.22088	6.5021	6.71381	7.77656	7.22518	8.12513
LINC00284	4.53605	4.1178	4.43792	4.80298	5.61161	4.89917	4.56299	4.76302	4.98626
serp2	5.05841	5.1104	5.09956	5.34683	5.83263	5.53407	5.37897	5.40729	5.28188
TSC22D1-AS1	6.01311	6.2227	6.27713	6.92019	6.34397	6.69295	6.52075	6.53307	6.44551
TPT1-AS1	8.31517	8.78987	8.17301	7.58549	7.40315	7.62299	7.50084	8.72879	8.25743
COG3	8.74865	8.89858	8.71455	8.42076	6.77016	8.93692	8.5307	9.0861	9.23108
SPERT	4.43428	4.31578	4.27657	4.59477	5.8711	5.33586	4.34999	4.70371	4.75011
CPB2-AS1	4.4239	4.36974	4.35128	5.04626	5.66555	4.13753	4.3291	4.66551	4.54217
LRCH1	9.6154	9.58063	9.49755	8.3012	6.30737	7.09742	8.20006	7.39152	7.57169
NUDT15	6.70705	6.59852	6.70326	7.57596	5.22335	7.16491	7.76189	6.9541	7.05336
MED4-AS1	4.89732	4.19985	4.48567	6.15177	4.9203	5.8031	6.45519	4.92114	5.0153
ITM2B	12.8619	12.6572	12.9117	12.7346	12.3287	12.3606	12.8003	12.4843	12.71
RB1	9.30472	9.16279	9.37619	9.40971	6.59241	9.36593	9.65398	9.74413	10.1162

CYSLTR2	6.61206	5.41566	5.60768	4.38471	4.95603	5.22105	5.04397	4.01168	4.19039
FNDC3A	8.30231	8.21891	8.49124	7.28775	5.12018	6.2084	7.28189	7.02304	7.16104
MLNR	5.70681	5.71557	5.8489	6.88518	7.76994	7.03857	6.23536	6.38517	6.28516
CDADC1	6.46423	6.55563	6.55637	5.58848	6.15483	5.3676	5.60399	5.92948	5.87009
PHF11	8.1565	8.04036	8.1078	6.80288	5.64241	6.73599	7.25132	7.45488	7.70215
ARL11	4.35331	4.60611	4.43516	4.87697	4.50786	4.57262	4.7765	4.59276	4.16534
TRIM13	7.54229	7.4315	7.32248	7.45666	6.66588	7.61908	7.23026	7.10141	7.00472
KCNRG	7.41016	7.64365	8.22072	6.08735	4.99043	5.32843	7.48707	4.98908	6.12244
DLEU1	5.88912	5.83547	5.94873	5.21591	5.88137	5.44288	5.80407	5.60741	4.99924
ST13P4	5.038	4.71091	4.93511	4.13378	5.22563	4.16386	4.33448	4.52136	4.46014
DLEU7-AS1	3.52925	4.0496	3.77311	3.6646	4.35968	3.64729	3.68262	3.46722	3.44992
FAM124A	5.58228	5.23495	5.01763	5.7057	5.79196	5.7616	5.57214	5.37611	5.6954
MIR4703	1.99874	2.41644	2.30321	2.47722	2.41926	2.71211	2.36552	2.14366	2.15986
WDFY2	9.68327	9.41314	9.60893	8.99762	7.20429	9.20998	8.92492	10.351	10.0217
CCDC70	5.55394	5.80858	5.84544	6.3184	6.33675	6.28925	6.051	6.7595	6.24951
CKAP2	8.41407	8.32626	8.00888	7.73069	5.68805	6.28556	7.68669	8.27677	7.18305
TPTE2P3	3.04736	3.29337	3.24912	3.13969	3.47929	3.3595	3.00048	3.10695	3.25464
HNRNPA1L2	6.39035	6.97775	7.15838	4.09876	3.83992	4.42844	5.57049	4.13194	5.30814
MIR759	2.29685	2.26024	2.04799	2.20444	2.31516	2.15146	2.23922	2.22526	2.29821
OLFM4	5.40902	5.2168	5.45153	5.07328	6.80437	5.82547	5.68366	5.07051	5.33544
PRR20A	5.08747	5.10892	5.33597	6.20823	8.41772	6.02128	5.79398	5.70905	5.87852
PCDH17	6.88126	5.90388	6.27421	7.03205	6.29958	7.25708	6.45321	7.75982	7.42019
DIAPH3-AS1	6.07704	6.14539	6.02227	5.98988	6.44443	6.34487	6.12387	6.15811	6.22685
DIAPH3-AS2	4.73193	5.17688	5.09167	5.56747	5.69724	5.83157	5.19398	5.60295	5.341
TDRD3	8.49453	8.89353	8.54399	7.36256	6.17198	7.16238	7.86688	6.99533	7.36832
MIR4704	4.8435	4.85173	4.68845	3.76324	4.51265	3.05069	3.11747	4.48129	4.44896

pcdh9	2.38291	2.4207	2.42828	2.53827	2.59769	2.70184	2.38176	2.38408	2.77476
PCDH9-AS2	3.06722	3.28447	2.97542	3.45734	4.18559	3.38806	3.1382	3.05956	2.92418
PCDH9-AS3	2.41294	2.36846	2.33615	3.1354	3.50609	3.4076	3.07636	2.61239	2.7519
ATXN8OS	4.8986	5.30355	5.32498	5.31868	6.00594	5.2683	5.15017	5.67026	5.90169
LINC00348	3.96031	3.20293	3.87172	3.77297	4.37179	4.20843	3.56071	3.89824	3.66772
PIBF1	8.08672	8.29581	8.11	6.59908	4.58469	5.28939	7.09305	6.38865	6.29391
KLF5	11.1768	11.1364	10.931	10.3312	9.13897	10.8843	10.6374	10.8072	10.5572
LINC00381	2.98533	2.78594	3.07021	3.08752	3.32675	3.16766	3.07445	3.16523	3.02155
LINC00347	3.68988	3.69473	3.08773	3.61451	4.39364	4.07581	3.70422	3.51851	3.28402
UCHL3	10.2854	10.1381	9.87633	10.4604	10.463	10.7648	10.9697	10.6582	10.5713
LMO7	7.74125	8.46575	8.14328	7.64887	6.97758	7.94174	7.33975	7.53169	7.75741
LMO7DN	4.75445	4.7851	4.5938	4.65519	6.07265	4.58753	4.30032	4.94195	4.70265
BTF3P11	4.19099	4.83849	4.65963	4.24275	4.22011	5.12724	4.94359	4.77899	4.93756
ACOD1	4.66247	4.6974	4.44669	5.3353	6.29849	5.41329	5.08993	5.0754	5.37846
MYCBP2-AS1	6.24428	5.96858	5.86215	5.92755	5.6805	5.27292	6.07349	5.4852	5.24709
scel	10.2409	10.4712	10.012	9.66762	8.10478	9.61306	9.7303	10.9834	10.0364
LINC00446	3.1064	3.18939	3.2071	3.13497	3.37802	3.53294	3.49949	3.43327	3.30898
RNF219-AS1	4.10707	4.00724	3.84757	4.67349	4.08383	4.78911	4.40318	4.27801	4.16136
RBM26-AS1	6.40365	6.69433	6.65168	5.03662	5.41898	5.15648	5.15931	5.41724	5.36076
NDFIP2	10.6711	10.4552	10.4611	10.6638	9.81315	10.6147	10.7456	11.0207	11.0675
LINC00333	2.6973	2.82219	2.45604	3.01066	2.50012	2.82225	2.83528	2.39459	2.72852
LINC00351	2.90987	2.70486	2.98169	3.28394	4.14787	3.11242	3.11474	2.87291	3.28945
LINC00433	4.96716	4.7228	4.85483	5.02648	5.35139	5.51359	5.41307	5.12457	5.69523
MIR622	5.59757	5.60815	5.51413	5.09246	5.77883	5.76736	5.95355	6.13674	6.50539
MIR17HG	4.70196	4.70637	4.82802	4.75117	4.2592	4.58373	4.49055	4.66876	4.49646
GPC5	4.80018	4.68331	4.60729	5.3163	5.63343	5.22524	5.08976	5.37598	5.2256

GPC6	7.01576	6.95557	6.90416	6.7224	6.17914	6.28057	6.07591	6.42545	5.91657
GPR180	7.68336	7.49325	6.93656	7.37121	5.80456	6.91096	7.55728	7.40058	7.4097
CLDN10	8.24794	7.77139	8.18587	4.8598	5.14007	4.62229	4.76339	4.64966	4.77514
HS6ST3	4.74825	5.31824	4.79944	5.42217	5.16403	5.2404	5.17236	5.42015	4.99233
MIR4501	2.79849	3.56796	3.09457	2.89901	4.70527	2.61072	3.96563	3.04854	3.30531
MBNL2	10.8168	10.448	10.5655	10.2553	8.30553	9.51469	10.5994	10.4757	10.6818
IPO5	6.58402	6.37593	6.62733	6.51868	6.58399	6.49469	6.37992	5.85414	6.50688
MIR3170	4.4164	4.13569	4.03827	4.27301	3.64316	4.48917	4.99111	4.9187	4.25322
UBAC2	8.76116	8.42827	8.61586	8.21346	7.89185	8.12573	8.45618	8.53698	8.43231
FKSG29	9.28612	8.73975	9.02762	6.62804	6.41908	6.22102	6.79057	7.79039	7.64085
MIR623	7.62135	7.37236	7.21067	5.45207	6.35355	5.35948	5.29734	6.9899	6.52996
TM9SF2	11.9877	11.9501	12.0874	11.288	9.8327	10.993	11.543	11.4843	11.6431
CLYBL	6.82737	6.77168	7.02257	4.49055	6.15624	5.25663	5.50157	4.49778	4.57835
MIR4306	5.49628	5.71288	5.50458	6.31273	5.41225	6.2178	5.65205	5.462	5.70288
ZIC2	5.96425	5.89447	6.35464	6.13426	6.41743	6.73477	6.05582	5.82866	5.84387
NALCN-AS1	5.55822	5.9704	5.81206	5.85358	6.57045	6.19159	5.50481	5.7672	6.02882
FGF14-AS2	5.79953	5.71803	6.11462	5.15962	5.26065	4.91728	5.23004	4.71766	4.66047
TPP2	9.2962	9.03648	9.17164	8.12897	6.21903	7.55281	8.02567	8.03463	8.07888
CCDC168	3.24248	2.8631	3.43626	3.09719	6.52491	3.53685	3.75677	3.52931	3.51115
Mettl21ep	4.34428	4.87571	4.75881	5.15792	5.15159	5.11063	4.7421	4.78692	4.97527
DAOA	3.51795	3.92255	3.54019	3.82449	4.52534	4.06994	3.74047	3.60853	3.66625
LINC00460	5.23657	5.25201	5.02888	5.60369	6.53981	5.59462	5.40989	5.27393	5.5823
LINC00551	4.35027	4.43391	4.23899	4.23223	5.59523	4.84812	4.28741	4.47586	4.54889
LINC00443	4.51477	4.1814	4.2824	4.93672	5.30702	4.76199	4.85051	4.7767	4.23255
ABHD13	8.56637	8.89295	8.55357	8.7973	7.36141	8.04755	9.00163	8.61751	8.8973
MYO16	5.64694	5.24114	5.22954	5.87313	5.7675	6.19359	5.47616	5.66922	5.772

NAXD	8.01937	8.10744	7.89695	7.83301	6.91297	8.0955	8.163	7.53224	8.00213
ARHGEF7	8.41979	8.37529	8.42041	8.0773	7.12382	7.74927	7.75736	8.28958	8.32869
TEX29	5.53627	5.89035	5.82554	5.71546	6.7768	5.89464	6.07758	6.19971	6.2797
SOX1	5.45771	5.61905	5.57198	6.11549	5.97487	6.45244	5.60611	6.04348	6.05635
SPACA7	4.24968	4.28129	4.2672	5.1663	5.02149	5.40775	4.7673	4.80216	5.05721
ATP11AUN	4.92399	5.25434	5.09977	5.41032	5.44652	5.82604	5.71954	5.71513	5.93772
MCF2L	6.2854	6.29854	6.71534	6.24879	6.77692	6.34408	5.90358	6.27978	6.24195
F7	5.52876	5.44099	5.99948	5.88955	5.95348	6.93917	5.84039	6.06349	6.13153
F10	6.43205	6.65624	6.67651	6.49866	6.62917	6.51402	6.42666	6.56705	6.25784
CUL4A	8.92787	9.12689	9.11706	8.19595	5.90502	8.36526	8.85636	7.69987	8.32233
LAMP1	10.3049	10.268	10.0344	10.3	8.36862	10.2586	10.4292	9.49305	10.2011
TMCO3	7.3357	7.22513	7.34416	7.70712	6.66913	6.91291	8.16101	7.5655	7.64716
TFDP1	7.62666	7.54981	7.66656	8.01393	6.7769	7.62148	8.03163	7.55726	7.68919
GRK1	5.24796	5.49623	5.01186	6.30147	5.80756	6.33263	6.02432	5.72052	5.76276
GAS6-AS1	6.33903	6.313	6.39807	5.6732	6.22961	6.43885	6.24487	6.48377	6.27617
GAS6-AS2	6.33327	5.5184	5.87318	4.79359	5.99136	3.56442	4.91643	4.32826	4.83191
CDC16	9.33434	9.22605	9.14887	8.84462	7.02893	8.65859	9.20098	8.5073	8.61949
MIR4502	6.39624	6.53033	6.69493	6.38539	7.62384	6.33589	6.28172	6.05215	6.34381
UPF3A	8.34	8.60203	8.41302	7.7425	6.748	7.97495	8.56432	7.90766	7.88661
CHAMP1	7.5809	7.46679	7.95974	6.52793	5.80514	5.99154	7.42063	6.59354	6.75037
ANKRD26P3	3.75748	4.32517	3.67652	4.1769	5.02324	4.1239	3.94733	3.76834	4.14337
TPTE2	3.72945	4.19153	4.06231	4.13618	4.81718	4.74651	4.06164	4.36983	3.70721
PSPC1	7.45419	7.3875	7.23219	6.95945	6.00718	6.36216	6.79056	6.90988	6.82281
MIR4499	3.0399	2.68021	2.9754	2.65706	3.89262	2.65435	2.91522	2.83677	3.08819
EEF1AKMT1	5.48292	5.62842	5.78196	5.89279	5.67938	5.49174	6.02206	5.45031	5.50223
XPO4	8.71884	8.85837	9.01656	8.42119	6.0225	7.45747	8.57179	7.14687	7.97732

SKA3	7.26169	6.23697	6.61624	6.54187	5.8392	6.66392	6.92671	6.88527	6.58119
LINC00424	5.13941	4.75069	5.14705	5.00822	5.94262	5.94496	4.90731	5.09057	5.21329
SACS	7.15886	7.07182	7.1253	7.11951	4.76119	6.41563	7.09219	6.84011	6.89308
mipep	7.84799	7.83781	7.67199	7.23218	5.21311	6.45712	7.15111	5.83639	5.98769
SPATA13-AS1	5.49143	5.53318	5.44498	5.58184	6.34259	6.19596	5.54916	5.62311	5.65228
CENPJ	6.46402	6.4317	6.30524	6.20225	5.81685	5.40405	5.91003	5.95669	6.04838
TPTE2P1	4.16844	4.0725	3.87357	3.96782	6.47265	3.68962	4.23487	3.78746	3.72243
AMER2	5.27182	5.47234	5.60801	5.7977	5.51188	6.01238	5.9009	5.97335	6.02902
SHISA2	5.96201	6.09348	5.62826	6.51675	6.22855	6.8239	6.70196	7.06399	6.51542
RNF6	7.55184	7.69993	7.59893	7.687	5.62236	7.09106	8.11414	8.0737	7.66601
GPR12	6.17961	6.13	6.59085	6.43806	6.60721	6.39444	6.40246	5.77874	6.24965
USP12	8.53734	8.92918	8.69357	8.0741	4.82336	8.16742	8.3727	9.15281	8.772
MTIF3	7.05911	7.10003	6.96748	7.18717	6.58517	7.08215	7.75217	7.48569	7.15996
LNX2	9.22416	9.30759	8.88264	9.71162	6.78405	10.3767	9.50135	10.1974	10.3037
CDX2	6.42468	6.61494	6.49334	7.2175	7.95599	7.53175	6.95755	7.34391	6.97798
URAD	4.62599	4.65063	4.43202	5.37212	6.37296	5.75128	5.56996	5.47557	5.24087
FLT3	5.09832	5.29687	5.49957	5.02835	6.43673	5.60715	4.99681	5.30045	5.2258
PAN3-AS1	5.44437	5.41189	5.50756	6.07549	5.61213	6.52828	6.39707	5.91768	5.74408
FLT1	6.83054	6.84143	7.12829	6.4731	6.33909	6.15269	6.45247	7.73699	8.19712
MTUS2-AS1	5.49948	5.61435	5.89416	6.46226	6.41597	6.24084	6.32055	6.56015	6.67229
UBL3	9.41086	9.0563	9.28422	8.99553	5.4616	7.67811	8.48604	8.60975	8.17514
KATNAL1	6.66476	6.85422	6.64743	6.58914	5.68673	5.62299	6.37983	6.07826	5.8529
LINC00426	5.30726	5.34559	5.34439	5.42374	5.70237	5.46457	5.34641	5.31094	5.29175
HMGB1	8.41002	8.1445	8.11619	6.55492	6.21742	6.25939	6.98841	6.5457	6.65562
TEX26-AS1	4.13188	4.08785	3.90162	3.95508	5.22691	4.52937	4.50138	4.66143	4.2931
HSPH1	8.24462	7.8758	7.9786	9.45567	7.13369	9.72257	9.48919	9.77772	10.4549

ZAR1L	5.13862	5.15257	4.95986	5.56707	5.53079	5.70355	5.41646	5.65415	5.57052
N4BP2L1	6.52667	6.55782	6.65834	5.39498	6.23941	5.31168	5.23974	5.44557	4.80684
N4BP2L2	9.68538	9.38499	9.27438	7.79003	6.98641	7.05057	8.01193	7.73151	7.87581
MINOS1P1	6.24157	5.33642	5.88803	3.84862	4.46017	4.86787	4.27551	4.33567	4.93489
N4BP2L2-IT2	10.4325	10.364	10.4964	6.90111	7.4657	4.62821	6.2757	6.96097	7.91281
LINC00423	4.04342	4.29106	4.12703	4.42949	5.00129	4.58941	4.59837	4.63909	4.52277
STARD13	6.00613	5.7304	6.33493	5.46305	5.13712	5.14317	5.35466	5.58143	5.6911
LINC00457	3.60117	4.06717	4.12573	4.19362	5.36288	4.32072	4.0303	4.06147	4.13143
MAB21L1	4.59107	4.7117	4.37446	4.44767	5.27736	4.68878	4.75287	4.52643	4.56503
DCLK1	6.85732	7.48937	7.35298	5.15624	5.92587	4.4622	5.00824	4.69585	4.5194
CCDC169-SOHLH2	4.04609	4.26393	4.14224	4.56855	5.00904	4.23289	3.799	4.24061	4.04636
SPG20	6.5929	6.74691	6.89085	6.53917	5.1925	6.04245	6.58448	6.17563	6.35196
SMAD9	6.44426	6.5102	6.80999	6.36071	6.46531	7.00743	6.73983	6.55112	6.53913
LINC00571	5.51106	5.27368	5.33296	4.45976	3.89264	4.31843	4.83109	4.86233	5.12146
STOML3	4.73466	4.70181	4.47476	5.3269	5.71795	5.22072	4.14657	5.08329	4.55625
PROSER1	9.52598	9.67832	9.73842	7.85021	6.14578	7.00286	8.36365	7.68884	8.11692
LHFP	9.12567	8.56705	9.33209	7.93933	7.39998	6.92713	7.47525	7.17324	8.05597
MIR4305	2.56085	3.10841	2.62101	2.73927	2.98588	2.96364	3.07606	2.56588	2.73944
LINC00548	4.8236	5.09647	5.04935	4.89766	5.57681	5.15201	5.01357	5.13895	4.99237
LINC00598	4.8683	4.95675	5.07414	5.17679	6.10562	5.24482	5.0637	5.49089	5.53663
FOXO1	8.29463	8.38165	8.60895	7.85245	7.0322	7.46994	8.13877	7.88441	7.87547
MIR320D1	4.48417	4.6706	5.20468	3.57334	4.03587	4.26397	4.40624	4.37257	4.13154
MRPS31	7.44895	7.69496	7.45471	6.56259	5.79221	6.34473	6.86956	6.55318	6.70537
TPTE2P5	5.31369	6.2916	5.61674	4.60607	4.80846	4.12725	4.05206	4.00076	4.13077
ELF1	10.9816	10.7092	10.9112	10.5594	8.04701	10.6135	10.7521	9.9365	10.4394
MIR3168	5.47955	5.65879	5.5657	5.41141	5.85954	5.5741	6.21333	5.76411	5.73932

KBTBD6	6.45935	6.86098	6.69243	6.68312	6.71065	6.39883	6.95521	6.24577	6.03336
KBTBD7	6.6275	6.54497	6.78214	5.43213	3.89404	4.38377	6.37252	5.8318	5.28372
MTRF1	7.9162	7.68884	7.45115	6.85506	6.03435	6.38944	7.06457	6.42562	7.08291
VWA8	8.71187	8.34662	8.69505	6.90512	5.46905	6.39487	7.65435	6.58915	6.74945
EPSTI1	6.47918	5.93111	5.79278	5.96425	6.40539	5.74708	5.69044	5.59414	5.97137
enox1	5.41625	5.46017	5.46882	5.45559	6.91473	5.5744	5.82212	5.38962	5.63639
CCDC122	6.68642	6.55252	7.03492	5.89618	5.14692	5.13221	6.18689	5.66448	6.01556
SMIM2-IT1	5.53468	5.48111	5.48634	5.89553	5.93058	6.77672	6.33143	6.25217	6.48638
NUFIP1	6.97603	7.36744	7.44427	6.89871	6.29769	5.94042	7.04115	5.8418	5.5603
KCTD4	8.0581	8.60963	6.88198	7.75191	6.00257	5.92694	6.6768	5.6749	6.07142
SIAH3	5.35923	5.24248	5.37181	5.69729	6.13677	5.4204	5.10418	5.59336	5.40833
ZC3H13	8.72407	9.20785	8.85689	7.56919	6.54995	7.26727	7.9818	7.82693	7.66023
cpb2	3.91343	3.88777	4.46084	4.03404	5.35236	4.79673	4.70192	4.16808	4.28275
LCP1	7.84478	7.70289	8.40093	7.10347	7.61194	8.10732	7.53851	7.69697	7.65024
ESD	6.98203	6.96018	7.10803	7.13772	5.22302	6.69321	7.44939	6.35193	6.84765
MED4	8.46388	8.43904	8.73427	8.32227	6.29059	7.86171	8.86064	8.33807	8.15427
LINC00441	5.15241	4.97148	5.13256	4.82129	5.38459	5.06527	5.14595	4.69713	4.86862
lpar6	6.50949	6.31018	6.3881	6.14619	5.93338	5.69009	6.17618	5.57521	5.92817
RCBTB2	7.15196	6.86202	7.10483	7.49859	6.38519	6.7721	7.31403	6.98477	7.56627
LINC00462	3.55669	3.29815	3.47963	4.35198	4.61209	4.72686	5.23679	4.3914	5.30525
CAB39L	5.74775	6.8052	6.40177	5.22874	5.21028	5.66507	6.0379	6.12307	5.74897
RCBTB1	7.38501	7.49093	7.39077	6.20416	7.01644	6.16122	6.17925	6.35379	5.93405
EBPL	8.10577	8.25448	8.37656	8.38498	7.80958	7.97903	8.57266	7.16949	7.55218
KPNA3	9.7271	9.73031	9.9001	9.3677	6.7659	8.92089	9.63003	9.62047	9.66202
SPRYD7	7.96344	8.134	7.70875	8.77971	7.23042	8.3992	9.08428	7.8611	8.20489
Dleu2	5.50923	4.80511	4.93641	4.9915	4.23677	4.27325	4.26294	4.86892	4.86065

MIR16-1	5.61321	5.90567	5.6517	5.54491	5.71414	6.12157	6.08895	6.17435	5.53732
RNASEH2B-AS1	4.15229	3.90352	3.7692	4.283	4.42497	4.25226	4.78493	4.11866	4.03738
INTS6	8.14219	7.91892	7.92298	8.03676	6.01597	7.55937	7.39575	7.84187	8.38302
DHRS12	7.15553	7.33517	7.11675	6.79425	6.31137	6.6252	7.32723	6.35351	6.54099
LINC00282	5.98706	6.17713	6.25413	6.65305	7.31157	6.40408	6.50199	6.63135	6.48168
NEK5	4.69614	4.92566	4.48447	4.69384	4.97844	4.89658	4.61093	4.74067	4.59068
NEK3	8.04983	8.2118	8.25014	6.00242	5.18179	5.55875	6.66809	6.08995	6.27686
VPS36	9.15781	9.15852	8.897	8.08989	5.92773	7.71298	8.2766	8.0648	8.37839
LECT1	5.67947	5.6224	5.29193	5.62446	6.333	6.01497	5.9991	6.01404	5.78979
PCDH8	5.73533	5.92595	5.42291	6.4257	5.47538	6.63533	6.0646	6.12639	5.94935
MIR1297	1.85659	1.75141	1.88444	1.96878	1.99955	2.15739	2.27371	1.74446	1.67706
DIAPH3	6.04324	5.84546	5.64966	6.29674	5.37612	5.43734	5.7488	5.98402	5.55987
MIR3169	2.7448	3.2573	2.70605	2.69197	3.01548	3.02266	2.72964	2.78852	2.67055
pcdh20	4.50516	4.69711	4.39153	5.0965	5.2009	4.53199	4.65502	4.75193	4.34299
MIR548X2	4.97118	5.81372	5.68721	5.11883	5.83833	6.11558	5.26914	5.63258	5.57989
LINC00550	4.01298	4.11339	4.24262	4.82447	4.33453	3.93464	4.04842	3.9415	3.5603
KLHL1	4.45834	4.65309	4.51268	4.84903	5.72703	5.25081	4.87186	5.15216	4.84772
DACH1	7.13492	6.20732	6.69681	6.3133	5.69234	5.81093	5.72648	6.15607	5.84707
MZT1	6.70747	6.7351	7.16723	6.92403	5.91319	6.52996	6.92917	6.40221	6.59298
dis3	8.95612	8.86676	8.85601	8.36331	5.48774	8.42222	9.03833	9.18904	8.75365
KLF12	8.33572	7.75977	8.00685	6.54957	6.53372	5.66715	7.1594	6.40509	6.36223
COMMD6	5.76115	5.5046	5.91425	6.16238	5.52535	5.76179	5.91475	5.66228	5.84867
KCTD12	8.12981	8.35646	8.97436	7.38494	5.52112	7.0122	7.73716	7.37872	6.89348
FBXL3	8.8706	9.04611	9.06739	7.94093	6.37816	8.00991	8.57917	8.08904	8.48961
EDNRB	8.13789	7.68998	8.72233	6.68067	6.60312	6.35578	7.68946	7.11866	7.6185
POU4F1	6.3858	6.38357	6.23474	7.25711	7.1159	7.71742	7.26722	7.29638	6.82543

rnf219	7.08174	7.15838	7.02044	6.56725	5.02695	5.96214	6.97688	6.31885	6.27989
RBM26	8.4093	8.21281	8.6237	7.07604	4.93786	6.26934	7.2834	6.77011	7.08745
NDFIP2-AS1	3.53278	3.536	3.69168	4.72096	4.49828	4.76614	4.29045	4.27606	4.01553
SPRY2	8.09399	7.99102	7.59896	6.57743	5.52657	7.55497	6.94658	6.70065	6.16785
MIR4500HG	3.61458	4.06985	3.96784	3.98523	4.48152	4.64698	4.36561	4.19873	3.96069
MIR4500	2.48637	2.76181	2.60194	2.22071	3.8208	2.7515	3.62339	1.88862	2.36797
LINC00353	4.06513	4.13628	4.00975	4.10233	5.32084	4.40824	4.1856	3.62312	4.15956
LINC00410	3.99359	3.86525	3.96888	4.87797	5.80678	4.68412	4.25623	3.95311	4.06473
LINC00379	3.29337	2.92516	2.98877	3.53437	5.18481	3.71144	3.36356	3.29337	3.65662
GPC5-AS1	3.98297	3.81375	3.51292	4.20427	4.58153	3.19326	4.43838	3.80365	3.91387
GPC6-AS2	2.99782	3.29225	2.65094	3.29688	3.89158	3.85946	3.64612	3.30629	3.22759
SOX21	7.40989	7.23414	7.06806	7.44438	6.33295	7.4019	7.71768	6.90915	6.67931
CLDN10-AS1	6.71765	7.12997	6.42373	4.47494	5.89909	5.25094	4.08017	4.21345	4.54839
DZIP1	5.96679	6.28993	5.79992	6.41616	5.81591	5.20749	6.05411	6.10624	5.87004
UGGT2	7.70582	7.55646	7.79898	5.92435	4.28598	4.87081	6.2958	5.83684	6.29502
LINC00359	5.15316	4.63437	4.9121	5.41433	5.80408	5.24454	5.379	5.49234	5.35825
OXGR1	6.61885	6.37045	6.88083	5.60389	7.07125	5.96069	6.19629	5.03754	5.40325
RNF113B	5.96308	6.01886	6.14835	6.3817	6.41245	6.83166	6.4419	6.76626	6.46231
STK24	9.48725	9.35895	9.47194	9.15612	8.15714	9.67636	9.20975	9.84435	9.38485
DOCK9	10.672	10.6319	10.637	9.48091	7.21965	9.63204	9.43362	9.89034	9.75988
UBAC2-AS1	5.83459	5.92907	5.57183	6.32948	6.19196	6.30767	6.57963	6.24823	6.31794
GPR18	5.62754	5.42254	5.68651	5.39207	6.34458	5.43121	5.11427	5.31949	5.52538
GPR183	6.45975	5.20478	6.80698	6.64022	5.34406	6.54433	6.53796	5.32306	6.49008
ZIC5	6.04007	6.3851	6.58345	6.96732	7.71042	7.07303	6.29298	6.79413	6.55855
PCCA-AS1	5.04116	4.85538	5.18798	5.10004	4.96499	4.99616	5.08759	5.05293	5.02324
GGACT	6.32091	6.19468	6.44106	6.78709	6.62992	6.66979	7.0709	6.31443	6.43064

TMTC4	7.51979	7.83002	7.53022	7.08725	7.07305	5.85985	6.44627	6.3198	6.24354
FGF14	5.88473	6.16991	5.70468	5.46332	6.07396	4.8633	4.62538	4.95003	5.1567
MIR2681	5.12804	5.16575	5.09014	5.37884	5.0568	5.87315	5.47986	5.24776	5.17499
MIR4705	2.60177	2.82385	2.13526	2.75409	2.28798	2.56027	2.51481	2.23621	2.36087
FGF14-IT1	5.64155	5.81658	5.69746	5.47893	5.78044	5.84988	4.89566	6.17111	5.68321
METTL21C	3.75133	3.97537	3.82193	4.27264	5.29556	4.45547	4.27106	4.23348	4.53743
TEX30	6.08114	5.74094	5.96934	6.10132	5.90466	5.27414	6.24202	5.74733	5.72832
KDELC1	5.40815	4.95278	5.62102	5.78237	5.63738	4.82814	5.18358	5.41484	5.15174
DAOA-AS1	3.67218	3.63528	3.77198	4.13416	5.38587	4.18929	3.82955	3.88575	4.00693
EFNB2	7.92565	7.91897	7.94174	8.38245	4.39284	7.72746	8.307	8.43851	8.78873
ARGLU1	9.41393	9.66327	9.21404	8.72514	6.2334	7.47428	7.80628	9.19934	8.61918
MYO16-AS1	4.06989	4.46251	4.18084	4.60602	6.66315	4.37834	4.7489	5.01548	6.79343
IRS2	7.86282	8.05209	8.21663	8.50224	6.48409	8.48386	7.92103	7.09513	7.25131
COL4A2-AS1	4.59072	5.07041	4.66834	4.46665	4.87402	4.7235	4.6865	4.75568	4.62828
LINC00346	5.82429	5.64186	5.66748	6.38953	6.06086	6.20877	6.05316	6.09239	6.61451
ANKRD10	8.74351	8.3198	8.83358	7.28922	5.84222	6.08776	7.25079	8.07741	7.50593
MCF2L-AS1	6.51104	6.42319	6.17078	5.98321	6.84865	5.9471	6.30747	6.21657	6.09848
PCID2	8.28578	8.40586	8.16676	7.78662	6.45645	7.06206	7.85374	7.49166	7.44965
GRTP1	7.62998	8.11353	7.70086	7.44435	7.15653	7.43041	7.77254	6.91408	7.0143
ADPRHL1	6.84191	6.70169	6.90331	6.94204	7.27393	7.12515	6.74731	6.81853	6.61168
LINC00552	4.80015	4.8602	5.04513	5.57573	5.5051	5.56447	5.33036	5.73483	5.06011
GAS6	7.91335	7.85125	8.00142	7.47014	6.70683	6.78786	8.14197	7.27499	6.79559
LINC00565	5.53542	5.55779	5.73669	5.62574	6.1359	5.94068	5.51208	5.84791	5.8231
RASA3	7.10401	6.76277	7.1544	6.6718	5.8352	6.60011	6.85787	6.82643	6.7736
parp2	7.45972	7.79743	7.83354	6.39659	5.78503	5.60824	6.73116	6.06404	5.93013
APEX1	9.85669	9.51865	9.87687	8.809	6.10215	7.4628	8.70226	7.44148	7.93156

PNP	9.03528	8.41956	8.54585	9.53122	8.97155	10.2025	10.2101	10.2801	10.5082
EDDM3A	3.29289	3.37361	3.15405	3.83662	5.18278	3.51713	3.64896	3.93357	3.95053
EDDM3B	5.45322	5.20687	4.96785	4.87516	6.25077	4.76614	5.12802	5.1637	5.15464
METTL17	8.59047	8.28962	8.78855	7.49213	7.21137	7.51004	7.11935	7.3864	7.30056
TPPP2	4.85706	5.14135	5.03961	5.26986	5.52482	5.70581	5.11783	5.38817	5.68378
ARHGEF40	6.28115	6.18013	6.12679	6.41052	6.72776	6.15794	6.16277	6.32221	6.11027
ZNF219	5.69147	5.52556	5.98106	7.05476	5.51815	7.30175	6.6972	6.25768	6.75163
TMEM253	5.39926	5.1992	4.74271	5.25373	6.37825	5.54703	5.42416	5.7228	5.40337
LINC00641	4.58648	4.77152	4.81301	4.85392	4.31314	4.39666	4.70144	4.62703	4.58718
RPGRIP1	5.02277	5.3698	5.08589	5.42839	5.59518	5.20049	5.04397	5.11883	5.27724
TOX4	8.99929	9.06465	8.91353	9.10354	7.96038	8.9071	9.34469	9.55842	9.31147
sall2	4.41049	4.50471	4.13247	4.27776	5.1869	4.65215	4.69725	4.50749	4.52685
ABHD4	8.33091	8.47363	8.37468	6.97195	5.02484	7.82081	7.26079	7.57979	6.85323
OXA1L	10.8669	10.5216	10.9554	9.32655	8.67403	8.5918	9.65023	8.89575	9.46428
mrpl52	6.32639	5.93535	6.04102	5.95369	5.65827	6.1648	6.19459	5.90076	6.18672
MMP14	8.25832	8.52741	8.41706	8.45166	6.39762	7.65992	8.43721	7.90136	8.38064
LRP10	9.47487	9.19849	9.19759	10.0702	9.05708	10.2749	10.2096	9.60917	10.1211
REM2	6.12514	6.05034	6.15499	5.89156	6.2639	6.01754	6.11167	5.67536	5.30248
c14orf119	6.85928	6.68654	6.67451	7.35105	6.27415	6.45971	7.76467	6.68013	7.61686
IL25	5.13556	5.04708	5.2082	5.87923	5.76366	5.26236	5.37166	5.46922	5.12329
CMTM5	5.382	5.33718	5.48995	5.90489	6.6764	5.84424	5.59085	5.65606	5.55797
THTPA	6.13289	6.53668	6.13809	6.14208	5.55216	5.82718	6.37027	6.26945	6.32085
DHRS2	5.531	5.36996	5.59188	5.94491	7.41022	5.99571	5.58676	6.02251	6.04712
DHRS4-AS1	5.16538	5.21965	4.89916	5.80051	5.19136	4.95027	7.02931	4.48326	4.76566
DHRS4	5.58049	5.48508	5.35852	5.8186	5.43178	6.26217	6.1519	6.03229	5.64492
DHRS4L2	7.48622	7.96576	7.78864	7.20202	7.89756	7.32501	6.94727	7.10506	6.79828

DHRS4L1	2.67764	2.89646	2.86444	2.96923	2.45073	3.26643	3.01173	2.82281	2.84441
CARMIL3	7.82441	7.66306	7.241	6.96514	7.16503	6.81875	6.89289	6.73248	7.18136
CPNE6	5.87342	6.14052	6.14915	6.79694	6.98881	6.49837	6.15388	6.39456	6.25959
PCK2	7.29942	6.82224	7.00508	7.96526	6.6026	7.47038	7.57418	6.97217	7.57693
DCAF11	7.12289	7.06389	6.67891	6.84913	5.95315	6.81646	7.42355	6.81048	6.1884
FITM1	6.39144	6.32151	6.12775	6.63189	6.42305	7.42508	6.74773	6.95975	6.38162
RNF31	7.25975	6.96514	6.87938	7.25392	6.86045	6.58438	7.34908	6.60341	6.66211
IRF9	8.90998	8.04934	7.83575	7.71612	7.69858	7.46552	8.21376	8.04749	8.38469
REC8	7.13793	6.4653	6.47407	6.38127	6.46035	6.18944	6.35543	6.54836	6.57008
TSSK4	5.46922	5.67366	5.67658	6.10998	6.50621	5.87401	5.82463	5.38494	5.79629
GMPR2	7.82965	7.73191	7.57649	7.7589	6.67003	7.27749	7.93133	7.92171	7.57758
NOP9	7.52015	7.69368	7.49759	7.64548	7.09083	8.27544	8.02148	7.22468	8.18306
LTB4R2	7.22545	7.5121	7.61233	7.70004	6.31201	8.03143	7.99054	6.97141	7.83978
LTB4R	9.36661	9.72048	9.71598	9.70148	7.05555	9.90185	10.1395	8.81186	9.9959
NYNRIN	8.35283	8.34678	7.68661	6.70139	5.96213	5.70103	6.80582	6.04501	5.74347
KHNYN	7.33678	7.48256	7.19858	7.38332	6.16175	7.9676	7.94668	7.24165	7.53993
MIR4307	3.29337	2.55683	1.75549	1.98076	2.65972	2.5548	2.17552	1.91971	2.38695
LINC00645	4.78082	4.58389	5.07822	5.07248	5.00728	5.76681	5.17283	5.33629	5.27257
FOXG1	4.53837	4.75557	4.55934	5.08867	5.54059	5.6484	4.84589	5.18183	4.94469
LINC01551	5.13833	4.7556	5.18024	5.72541	6.33491	5.90649	5.09254	5.61176	5.48049
G2E3	8.22876	8.09345	8.23091	7.17671	6.1937	6.2885	7.08202	7.36814	7.21089
SCFD1	8.08205	8.0221	7.90654	7.50173	5.67744	7.57843	7.97662	7.68057	8.05048
NUBPL	6.8573	6.8156	7.2193	6.02918	5.57294	5.60966	6.61372	6.14673	5.96832
ARHGAP5	8.15972	8.21738	8.16419	8.22603	5.36665	8.52671	8.87109	9.1511	8.68497
akap6	6.46016	6.30602	6.56874	6.1957	6.57088	5.75811	6.3291	6.28637	6.17393
NPAS3	4.91443	4.92855	4.84857	4.88232	5.62678	5.48017	4.67131	5.17462	5.04248

IGBP1P1	4.13587	4.16678	4.30692	5.65812	4.8404	5.27649	5.16067	4.98245	4.60338
SRP54	7.63872	7.73664	7.69252	7.82638	5.31959	7.45299	7.85174	8.01072	7.6412
KIAA0391	9.09268	9.02417	9.02144	8.7605	7.60712	8.17515	8.93839	7.8692	8.56605
INSM2	4.2984	4.52543	4.26317	5.17029	4.8803	4.84537	5.10612	5.17873	5.04691
BRMS1L	6.27029	5.69949	5.87393	5.68054	5.54796	5.64737	6.06222	5.3479	5.46001
NKX2-1	4.6969	4.99364	4.94639	5.29166	5.16981	5.37396	4.90615	4.98677	5.02149
PAX9	5.02004	5.19088	5.06561	5.52182	6.26342	5.90131	5.76583	6.33387	6.15489
SLC25A21-AS1	5.81029	5.4562	5.91588	6.45512	5.57727	6.54019	5.67493	6.20922	6.34363
MIPOL1	6.96791	6.82513	7.00343	5.32937	5.31206	4.8316	5.33909	5.62403	5.55122
SSTR1	4.99375	5.12095	5.57203	5.84015	5.66342	5.86023	5.17159	5.58315	5.77785
GEMIN2	4.76373	4.9441	5.02641	4.66634	3.90586	4.27074	4.53197	3.91878	4.17653
LRFN5	6.02616	6.37848	6.28614	6.16283	6.33872	6.12229	5.7323	5.89531	6.06017
c14orf28	5.37287	6.07284	5.83069	5.26347	4.56885	5.07123	5.32652	4.93966	5.09203
PRPF39	8.50531	8.92945	8.68607	7.68855	5.38464	5.89769	7.30674	8.04034	7.60544
LRR1	6.05446	5.97489	5.84473	6.2576	5.8631	6.10988	6.59582	6.04791	6.1606
KLHDC1	8.13524	8.27052	7.94928	6.52601	5.91069	6.67437	6.95804	6.01478	5.90698
KLHDC2	8.51251	8.33089	8.54412	7.69957	6.07874	7.05439	8.20781	7.17536	7.29205
ARF6	10.6269	10.3919	10.5052	10.2657	9.01919	10.1629	10.5239	10.2541	10.3177
ATL1	7.48796	7.54025	7.41408	7.05005	5.91797	6.70613	7.1683	5.83324	6.66666
ABHD12B	8.9822	9.23487	8.79156	6.7084	6.38891	5.58742	6.0361	4.68994	4.96075
TMX1	9.92582	9.23195	10.0513	9.68362	6.92529	8.92122	10.0092	8.80476	9.25024
LINC00640	7.06508	6.82819	6.63306	5.55378	6.16376	5.37198	5.50615	4.91792	4.8452
FRMD6	9.21286	9.55415	9.08347	8.9014	6.92835	9.03864	8.82855	8.27425	8.92002
c14orf166	8.34823	8.37752	8.44045	8.60318	6.92382	8.49734	9.03802	8.17303	8.26454
PTGDR	5.66257	6.45228	6.28976	5.36625	6.3712	5.94741	5.12613	5.63968	5.96397
GPR137C	5.26321	5.60515	5.07561	5.34333	5.32862	5.3562	5.00777	4.9071	5.11601

STYX	9.75602	9.69733	9.99723	8.9687	8.08022	9.52041	9.57847	9.25148	9.42882
GNPNAT1	6.22818	6.7091	6.58232	5.66038	3.98241	6.44944	6.84113	7.01996	6.35569
DDHD1	5.6943	5.38208	6.06503	5.54304	5.83892	5.57924	4.90537	5.68853	5.67173
CDKN3	6.20318	5.94585	6.0933	6.94558	5.67557	6.04583	6.91317	6.88247	6.03197
CGRRF1	6.05571	5.87788	6.15841	6.01478	5.05437	5.43304	6.46673	6.23292	6.21964
SAMD4A	6.63954	6.79209	6.8615	6.84233	6.70033	6.43121	6.5106	7.03388	6.9185
SOCS4	7.636	7.74282	7.49584	7.21047	5.56755	5.94101	7.15453	6.85118	7.25218
MAPK1IP1L	9.15061	8.86206	9.13806	9.10939	7.54926	8.87016	9.54055	8.91937	9.42952
fbxo34	7.15306	7.087	7.18623	7.02024	5.83101	7.00153	7.07181	7.16905	7.34206
KTN1	8.87318	8.97605	8.66892	8.74752	5.957	9.24466	9.20968	9.31268	8.91907
RPL13AP3	3.09628	3.02174	2.90506	4.17171	3.67284	3.74579	3.05883	3.27762	3.09079
PELI2	6.41426	6.25412	6.74973	5.78674	5.51583	5.26861	5.92149	5.70621	5.8196
TMEM260	7.33647	7.65432	7.45607	6.52712	4.81614	5.67382	6.73698	5.72095	6.54543
EXOC5	4.77865	4.72188	4.40143	4.71115	3.60593	4.83747	6.50014	4.95555	4.57225
ACTR10	8.05649	8.36622	8.03533	8.37919	5.27419	8.5848	8.60571	8.37474	8.57955
ARID4A	7.62766	7.96294	7.49327	6.05048	3.86761	5.08836	6.21504	6.3189	6.07231
TOMM20L	5.30341	5.1827	5.00507	5.27831	4.86374	5.61691	5.17516	4.91135	5.06565
KIAA0586	8.63829	8.70953	8.72416	7.41883	6.10026	6.38823	7.71158	6.90668	6.85545
DAAM1	9.9651	9.84854	10.1307	9.05549	7.95996	10.3081	9.58263	10.0865	10.3078
JKAMP	8.10592	8.10451	8.11421	8.09466	6.26041	7.22962	8.54158	7.88764	8.03317
PCNX4	8.90022	8.78912	8.79344	8.08234	5.70459	7.67537	8.37234	8.1484	8.46074
SIX6	5.54566	5.4153	5.83134	6.02281	5.83792	5.95058	6.38074	6.32783	6.0981
TRMT5	5.5926	5.38269	5.45042	5.6455	4.96839	5.64603	4.64599	5.789	5.61355
FLJ22447	6.29279	6.26442	6.00257	6.10877	5.71671	5.79131	5.82218	5.75154	6.27413
SYT16	5.08596	5.27075	5.0972	5.67779	6.44181	5.72172	5.57988	5.6663	5.36213
LINC00643	4.51463	4.20295	4.47886	5.06682	5.79295	5.54842	4.53302	4.99433	4.79763

RHOJ	8.34049	6.79059	7.97136	6.7114	6.19228	6.337	6.89624	7.5002	7.70286
WDR89	4.53545	4.08847	3.8929	5.56009	5.15503	5.10793	5.2065	4.24497	4.57173
AKAP5	4.60445	4.80715	4.73882	5.12801	5.25133	4.85445	4.83274	4.73168	4.825
ZBTB1	7.64678	7.75074	7.30306	7.49937	6.0326	6.67187	7.68086	6.4016	7.08355
HSPA2	9.30816	8.98609	9.1077	9.72233	6.59455	7.59503	9.3399	8.8297	8.68604
MIR4706	4.26226	4.26607	4.67899	4.5862	4.53482	4.61133	3.99089	5.05655	4.77575
LOC100506321	4.68237	4.79658	4.63365	5.11769	5.14607	4.69923	5.20894	4.97533	4.75085
MIR625	1.88239	1.84531	1.83689	2.15458	1.63939	2.44256	2.33972	2.24903	2.00912
LINC00238	2.98278	3.08476	3.1019	3.19818	4.09386	3.37235	3.38376	3.11313	3.25794
GPHN	7.70565	7.65192	7.81415	6.62166	6.19743	6.22532	6.84341	5.90131	6.35128
RDH12	10.3132	9.40748	9.49892	9.42094	7.9299	8.59663	8.92014	8.35662	8.93478
RAD51B	6.49984	6.08988	6.00895	5.6278	5.82793	5.94433	5.86083	5.46622	5.72154
EXD2	6.985	6.77084	6.80302	5.8926	4.99181	5.87732	6.36032	5.55324	6.31349
GALNT16	6.06538	5.82406	6.40474	5.73021	5.9094	5.95543	5.87214	5.80836	5.85842
SUSD6	8.74985	8.47829	8.32348	8.17487	7.30441	8.18373	8.61226	8.83072	8.11181
SRSF5	8.85462	8.7221	8.43979	8.07885	6.93384	7.48769	8.07887	8.25279	8.1018
SMOC1	6.0262	6.10328	6.01708	6.27864	6.65404	6.51252	6.53287	6.73126	6.38854
SYNJ2BP	4.05345	3.37717	3.70594	5.18595	4.49811	4.2892	5.92443	4.19381	3.99866
ADAM21	3.09892	3.20523	2.70159	3.22219	4.34816	3.52088	3.2612	3.19695	3.01603
TTC9	8.08485	8.48215	8.328	9.53213	9.97559	10.9321	10.3763	10.638	10.6584
PCNX1	8.98071	8.96132	9.02155	8.13408	6.71713	8.00204	8.26438	8.94195	8.59737
SIPA1L1	8.66971	8.88653	8.56811	7.96305	7.10645	8.1332	8.22638	8.21527	8.34731
LOC145474	6.39304	6.3987	6.16996	5.66059	6.03675	4.53982	4.55418	6.18465	6.20937
RGS6	5.58023	5.50403	5.55831	5.63719	5.8781	5.82247	4.98592	5.63823	5.41636
DCAF4	7.33082	7.60168	7.28008	6.86444	6.76544	6.64369	7.17764	7.0921	6.47678
RBM25	8.71043	8.94753	8.84212	7.55136	5.12359	6.73141	7.66525	7.70369	7.71788

PSEN1	8.29023	8.37397	8.27163	7.7874	6.33442	7.79703	8.13207	7.83641	8.24889
c14orf169	7.85845	7.79918	7.90894	7.57692	6.86557	7.66142	8.06018	7.14434	7.12275
ACOT1	5.50535	5.37619	5.45588	6.0886	5.61954	5.80395	5.54981	5.30672	5.57677
ACOT2	6.43747	5.55969	5.78296	6.1178	5.59383	5.75805	6.58342	5.52152	5.89374
ACOT4	5.57546	5.82827	5.93142	6.34859	5.78373	5.87441	6.23543	5.8457	5.687
ACOT6	5.6593	5.42224	5.8376	6.18388	6.32429	6.07668	5.81051	6.10975	6.17839
MIR4505	5.1673	5.63118	5.1061	6.2323	6.52666	6.4971	5.9591	6.08984	5.8997
PTGR2	6.38155	6.11916	6.12921	6.26883	5.94776	5.56034	6.39347	5.57344	5.93633
ZNF410	7.9531	7.64032	7.66083	7.83936	6.82509	7.84179	7.79307	7.59808	8.13157
BBOF1	5.48671	5.69024	5.84377	4.99623	4.61758	5.38478	5.61983	4.88855	5.26645
LIN52	6.81936	6.95296	7.14458	5.92235	6.69789	5.94094	5.90419	6.0515	5.94891
VSX2	5.1183	5.32642	5.32389	5.96425	5.64709	6.23303	5.59275	6.07725	5.34624
VRTN	4.61915	4.81754	4.41541	4.69756	4.89122	5.69891	5.0252	5.22915	5.0955
ISCA2	7.3345	7.09654	7.36902	7.30178	7.21668	7.11349	7.32514	7.00478	7.07313
LTBP2	5.378	5.22458	5.62761	5.52654	4.34357	5.3325	6.02623	5.38038	5.28097
FCF1	8.07885	8.53801	8.23438	8.45214	6.16499	7.72905	8.88961	7.39138	7.95011
YLPM1	8.01546	8.40887	8.09887	6.8667	6.41942	6.04243	7.31957	6.47193	6.97493
DLST	8.59404	8.42568	8.52306	8.00933	6.20757	8.60073	8.56725	8.36441	8.92683
FOS	11.8513	9.40497	10.1507	10.8099	8.99149	10.681	10.864	9.89443	9.77099
LINC01220	8.01422	6.05399	6.42147	6.94002	6.43996	6.50049	6.21283	6.32354	6.37759
JDP2	7.35181	7.31896	7.37202	7.30293	7.77184	7.60883	6.96336	7.31458	7.37093
IFT43	6.78703	6.49649	6.63271	6.86675	5.59419	6.28064	6.78637	6.68738	6.76006
GPATCH2L	6.96148	7.0744	6.96334	6.40769	5.92647	6.38999	6.30745	6.9754	7.02383
ESRRB	5.82787	6.13562	6.00325	6.21638	7.09633	6.34264	6.07863	6.38975	6.24962
vash1	6.40558	6.0001	6.38357	6.59878	6.37506	6.50723	6.43727	6.56158	6.47212
LRRC74A	4.88731	5.34291	5.3434	5.32993	5.76359	5.97996	5.32247	5.68834	5.63118

CIPC	7.22704	7.35613	7.22994	7.00044	6.4453	6.56958	6.95159	6.45931	6.7682
tmem63c	6.75083	7.5662	8.40225	6.90236	7.5865	7.38845	7.26805	6.76355	7.35538
ngb	5.21613	5.95716	6.12522	7.09732	6.22802	6.62498	6.469	6.06291	6.28782
GSTZ1	6.2138	6.42202	6.5626	6.50158	6.36872	6.84429	6.77503	6.47819	6.57855
SAMD15	5.12933	4.93275	5.02709	5.59801	5.8161	5.50515	5.19025	5.60179	4.99047
SLIRP	6.72471	6.71124	7.09894	7.37529	6.10947	6.41861	7.40071	6.4415	6.8298
C14orf178	4.72423	4.89697	4.72129	4.95801	7.92152	5.11266	5.54809	4.96421	4.9193
ADCK1	6.84285	6.7253	6.66403	6.78841	6.67842	6.78001	6.93512	6.68522	6.77242
NRXN3	5.90442	5.91937	5.67661	5.90442	6.74561	6.15426	5.76182	5.96854	5.79278
DIO2-AS1	4.56025	4.41422	4.45278	4.72027	4.77904	4.99917	4.73554	4.61073	4.76672
TSHR	4.97601	4.90948	4.80166	4.89849	5.70473	4.78151	4.96648	4.82002	4.76829
FLRT2	7.85697	7.54676	7.21887	6.43056	6.50182	5.09806	6.51803	6.46849	7.27275
LOC283585	2.81489	3.28624	2.95203	2.87821	3.76228	3.07605	3.17983	2.74279	2.76164
GPR65	5.59732	5.87318	5.63856	5.89713	6.91104	6.38374	5.66726	5.69948	5.97853
SPATA7	7.12709	7.2019	7.24453	5.7106	5.69912	5.95469	5.70017	6.07333	5.89967
ZC3H14	8.99879	8.93114	8.80926	8.27794	6.41728	7.52714	8.37631	7.89657	7.83435
TTC8	6.92363	7.27564	7.15047	6.13738	4.82568	5.46806	6.49096	5.20814	5.56242
FOXN3-AS1	5.33538	4.7715	4.88875	6.13556	4.69811	5.66104	7.28052	5.32215	5.9072
FOXN3-AS2	5.07907	4.9662	5.27693	5.49839	5.69672	5.12309	5.79629	5.0988	5.14294
TDP1	7.71999	7.68843	7.49064	7.93872	6.55526	7.48354	7.91297	7.11622	7.46565
LINC00642	3.63294	3.97354	3.85051	4.71884	4.72378	4.84021	4.44084	4.3549	4.3947
c14orf159	7.81961	7.82511	8.10288	6.68475	6.20069	6.16325	6.93984	6.4011	6.55136
rin3	6.55208	5.83385	6.5187	6.56627	6.54876	6.34468	6.83237	6.09737	6.48894
GOLGA5	9.64974	10.0695	9.98318	9.43277	7.41594	9.61735	9.88674	9.37196	9.50939
CHGA	4.91399	4.95379	5.12354	5.57177	5.4529	5.904	5.03094	5.473	5.62053
ITPK1-AS1	4.61336	4.93396	4.70023	4.83062	5.68818	4.94696	5.03221	4.99925	5.12537

TMEM251	6.42213	6.08573	6.26249	7.35081	6.27321	7.66405	7.97552	7.61005	7.11681
UBR7	7.4185	7.38713	7.74931	6.53486	4.51932	6.35641	7.06132	7.1664	6.65609
UNC79	4.9404	5.21191	4.97228	5.17375	6.45152	5.07495	5.04967	5.20483	5.27723
COX8C	3.51522	3.42019	3.34809	3.5144	3.88137	3.81823	3.81882	3.6107	3.38672
LINC00521	5.29972	4.93054	5.50256	5.88211	6.20087	5.99892	5.47516	5.38199	5.69397
DICER1-AS1	6.31086	6.44957	6.35952	6.19491	6.35714	5.79118	5.92941	6.1835	6.18377
GLRX5	6.49178	6.63242	6.50121	6.72712	6.2926	6.70594	7.70087	6.65956	6.36594
TCL1B	5.17119	5.1978	4.78771	5.41382	5.01734	6.14806	5.89927	5.93639	5.86212
TUNAR	6.14477	6.60149	6.3738	6.94635	7.23956	7.18409	6.87775	6.94813	7.0084
C14orf132	6.37201	6.53979	6.50574	5.97047	6.26848	6.02766	6.04406	6.04024	5.88205
BDKRB2	7.47021	7.33481	7.10427	7.57311	6.89822	7.32949	8.24125	7.9881	8.26862
BDKRB1	5.87805	5.70439	5.30844	5.95845	5.7193	6.12525	6.61318	6.14482	6.6658
GSKIP	8.21343	7.93941	7.91039	8.0642	6.76617	7.96271	8.31694	8.58568	8.47233
AK7	6.2589	6.51615	6.10683	5.21036	5.57547	5.58949	5.63149	5.08619	5.3447
PAPOLA	8.72233	8.19702	8.67758	7.7984	5.55983	7.56883	7.97118	7.7994	8.01606
VRK1	6.96354	6.74252	7.23262	6.88279	6.20906	6.62187	6.72283	6.29248	6.45995
CCNK	8.76907	8.63246	8.73996	8.47477	7.85135	8.43368	8.49428	8.46407	8.7049
CCDC85C	6.41733	5.97622	6.49296	6.42525	6.18995	7.04509	6.67155	6.39455	6.33994
hhip1	5.47255	5.97262	5.5442	5.7029	5.91774	6.13865	5.59446	5.92724	5.91742
EML1	7.65126	7.88124	7.28552	8.2265	6.53954	8.59231	8.73761	8.45541	9.3535
EVL	7.3316	6.90115	6.91722	6.69084	6.82739	6.94696	6.5982	7.13219	6.48269
Mir342	7.20115	7.89611	7.83614	7.95128	8.81187	7.99176	7.50181	7.87561	8.01203
YY1	8.25838	8.2786	8.11573	8.35521	7.29957	8.24199	8.37106	7.95937	7.98412
Mir345	6.39738	6.30698	6.47371	6.09915	7.24459	6.32747	6.20985	6.50854	6.32425
WARS	4.84548	5.38718	5.30454	5.89818	5.1952	5.85168	5.98336	5.21737	5.81041
WDR25	6.25779	6.34611	6.44881	6.61252	6.33979	6.2508	6.43408	6.40843	5.97002

DLK1	5.7175	5.99747	5.45337	6.53964	6.30086	6.72374	6.21681	6.37849	6.27765
meg3	7.51494	7.34266	6.96861	6.62359	6.63009	6.32982	6.22908	6.47327	6.19479
MIR2392	6.88451	7.14612	7.0577	7.17059	7.82435	7.07923	7.41537	7.30102	6.97784
Mir770	6.00688	5.94978	5.96206	5.95533	6.584	6.3708	5.84606	6.3199	6.28028
Mir493	3.82276	2.93161	3.3586	2.98714	2.50432	3.48151	3.29182	3.01771	2.92587
Mir337	4.20591	3.94756	4.31678	4.25122	4.40346	4.52758	3.88561	3.87184	4.24389
MIR665	6.14698	5.89113	6.35301	5.89818	7.09111	6.37176	6.25122	6.31562	6.01716
MIR431	5.88474	5.87383	5.58789	6.73018	5.83203	6.81472	6.14513	6.73834	6.51566
RTL1	7.38065	7.49049	7.51746	7.30965	7.39503	7.74018	7.33424	7.61437	7.63177
Mir127	7.41246	7.76378	7.6709	7.91897	8.30031	8.23727	8.07148	7.97773	8.12672
MIR432	3.4364	3.59218	3.59218	4.57576	4.06469	4.57399	4.50598	4.66406	3.94849
MIR136	3.31048	3.45885	3.46177	3.33791	4.05885	3.59715	3.23541	3.1949	3.4142
MEG8	5.51567	5.79981	5.55131	5.4742	5.57225	5.67757	5.34337	5.41438	5.81414
MIR370	5.60985	5.53249	5.48053	5.40288	6.67763	5.49706	5.99931	5.60267	5.47721
MIR379	2.48316	2.51152	2.32302	3.2609	2.41222	2.82071	3.32386	2.56269	2.62689
Mir411	2.30449	2.50452	2.24687	3.27654	1.94121	2.70702	2.78978	2.28716	2.60543
MIR299	2.73514	2.88982	2.73373	3.24604	2.51457	3.59232	2.85188	3.5735	3.04023
Mir380	2.62396	2.77334	2.39755	2.6649	2.20459	3.10953	2.63277	2.54349	2.36911
MIR1197	4.95434	4.50173	4.77107	4.71733	5.15047	5.23519	5.4917	4.88584	4.90174
MIR323A	2.94333	2.67296	2.63229	3.34098	4.58543	4.72397	4.43741	3.34446	3.61293
MIR758	5.574	5.50531	5.39035	5.69821	6.05109	5.40964	5.6443	5.91718	5.42191
MIR329-1	5.93142	6.73544	5.52893	5.86256	6.77254	5.96027	5.47481	5.75901	5.93944
MIR329-2	2.71783	3.69126	2.71694	3.31285	3.19822	2.78743	2.94729	2.48687	2.66894
MIR494	5.56745	5.50083	5.86971	5.7756	6.31872	6.09802	4.90366	6.25054	5.86629
MIR1193	3.83645	4.05282	3.76681	4.70123	4.12455	5.02393	4.76247	4.42551	4.38157
MIR543	3.76276	3.70593	3.46192	4.35612	7.25858	5.09562	4.20932	4.76847	4.3989

MIR495	3.16881	3.18877	3.25081	2.87845	4.88508	3.28435	3.94554	3.41758	3.60801
MIR376C	1.85224	2.05977	1.87881	2.03712	2.29966	2.36842	2.00226	2.1512	2.10805
MIR376A2	2.55781	2.66116	2.31059	4.33334	2.51783	3.6711	2.88453	2.45401	2.48714
Mir654	5.56164	5.30853	5.44702	5.55141	6.57071	5.20384	5.49101	5.7408	5.2334
MIR376B	3.34872	2.96508	2.2609	4.13756	3.952	2.64495	3.15353	3.00155	2.57267
MIR376A1	1.77261	1.9898	1.86323	2.22299	1.71283	2.17027	1.94169	1.75029	1.81115
MIR300	3.58456	2.95086	2.80119	3.23605	3.10973	2.95708	3.29703	3.2676	3.0173
MIR1185-1	2.81825	2.69645	2.67374	3.60451	4.24936	3.17228	3.29595	3.29522	3.14189
MIR1185-2	2.78851	2.63069	2.10645	3.514	3.97	3.38697	2.45929	2.48854	2.71823
MIR381	2.87242	3.50239	3.03806	3.27064	2.99189	3.22795	3.02643	3.0754	2.71865
Mir487b	4.97633	5.17143	4.05428	4.06743	6.46859	3.66285	3.70312	4.25885	4.33642
MIR539	5.49561	5.80546	5.52856	5.68441	5.595	5.73775	5.26329	6.09783	5.93731
MIR889	2.75326	3.0787	2.82004	2.9619	3.27688	3.08436	2.99502	2.71194	3.06645
MIR544A	5.14132	5.74508	5.60585	5.63047	6.60942	6.2393	5.67316	6.20887	5.3728
MIR655	2.74905	2.61032	2.49001	3.47642	2.65143	3.35227	2.39701	2.6741	2.56927
MIR487A	3.03941	3.10413	3.00153	3.29918	3.36277	4.1003	3.2121	3.70953	3.37638
MIR382	5.25782	5.38538	5.68485	4.90129	6.67698	6.37429	4.84747	5.6894	5.60972
MIR134	6.09483	6.79121	6.37912	7.17437	7.33878	7.42574	6.28729	6.81591	7.2169
Mir668	5.20652	5.53446	5.36225	5.85841	6.13359	6.31805	5.77828	6.32466	6.25678
MIR485	3.97667	4.01072	3.87938	4.29687	3.96681	4.79504	4.37228	4.02841	4.15156
MIR323B	4.14562	4.64888	5.17219	5.49407	4.53735	5.48128	5.08082	5.14774	4.92729
Mir154	3.53883	2.45623	2.32338	2.47625	3.20555	4.23913	3.52161	3.06342	2.76173
MIR496	3.03488	3.15048	2.94525	3.30991	3.60279	3.80209	3.54132	3.29983	3.29209
MIR377	4.36416	4.46358	4.67449	4.8443	4.96906	5.27261	4.9072	4.77245	5.03547
MIR541	6.38517	6.13326	6.27175	6.66461	7.04767	6.86887	6.22884	6.68762	6.40105
Mir409	3.48449	4.15465	3.5944	4.67761	3.99094	4.78578	4.45681	4.31392	4.13974

MIR412	7.05931	7.27146	6.85139	8.58262	8.82817	8.74218	8.1782	7.69778	7.9119
Mir369	1.82342	1.90463	1.76454	2.13445	2.7179	2.11273	2.32699	2.01506	1.92654
MIR410	2.56016	2.49602	2.45966	2.67579	2.65589	2.96955	2.73217	2.37341	2.6868
MIR656	4.17609	4.4095	4.42453	4.32454	5.33198	4.69147	4.31851	4.38062	5.28611
MEG9	6.14596	6.01819	6.12083	6.48651	6.81819	6.38988	6.49307	6.56543	6.63895
LINC00239	5.55986	5.59426	5.56592	5.42488	6.01498	5.47212	5.50543	5.71428	5.65614
WDR20	6.8468	7.08361	7.01576	6.82298	6.05874	6.86601	6.8817	6.96746	6.91132
ZNF839	6.7854	6.7409	6.63372	6.47366	6.30726	6.41014	6.42833	5.8761	5.93676
TECPR2	7.40645	7.14687	7.34856	6.90824	6.2198	6.90312	7.18799	6.82205	7.37043
MIR4309	3.616	3.55332	3.86546	2.73552	3.90514	2.39413	4.13882	3.55332	3.32593
RCOR1	9.55088	9.1172	9.03695	9.36806	7.53329	10.4878	9.69949	10.4121	10.4532
TRAF3	8.18449	8.12224	7.86076	7.49776	6.79598	7.12782	7.73718	7.94747	7.813
AMN	5.93449	5.79673	6.17332	7.1537	6.19247	7.06902	6.71141	6.59052	6.69231
EXOC3L4	6.15766	6.41058	6.3449	6.73199	6.6389	6.99428	6.84543	6.94627	6.71065
EIF5	9.56309	9.1904	9.28681	8.64466	8.08209	9.13857	8.8996	9.27076	9.39184
MARK3	9.16613	9.02612	9.01397	8.71641	7.62938	9.5925	9.06846	10.0358	9.97636
TRMT61A	6.33973	6.62771	6.39212	6.71364	6.64961	7.26174	7.03504	7.01652	6.77316
KLC1	9.30101	9.3251	9.25948	9.0497	7.4847	9.16473	9.33705	9.57438	9.75783
LINC00637	5.46922	5.50258	5.42611	5.95632	6.18653	5.95135	5.67195	5.64249	5.91331
TDRD9	4.21817	4.03231	3.99193	4.45712	5.77337	4.63356	4.03454	4.5127	4.908
ASPG	7.26553	7.19351	7.37854	7.99116	7.88286	8.11768	7.58744	7.91056	7.82396
mir203a	7.89777	4.69941	4.68512	6.6078	3.45549	6.10409	5.78677	6.85223	6.07951
KIF26A	6.7969	6.86758	7.05859	7.24265	7.68769	7.50451	6.97338	6.97593	7.20504
C14orf180	5.92453	6.5259	6.27474	7.17041	6.673	7.67162	7.05772	7.08875	7.01558
ADSSL1	6.74205	6.60778	6.78963	7.42193	7.71657	7.92888	7.73813	6.68517	6.78662
AKT1	5.78331	5.5211	5.92292	6.64568	5.22364	6.47539	7.38776	6.01951	5.85102

ZBTB42	5.67139	5.63128	5.5618	5.92935	5.51398	6.02131	6.01769	5.70042	5.68224
LINC00638	4.83327	4.99991	4.76714	5.61179	6.2724	5.55445	5.26359	5.65272	5.62885
CEP170B	8.5389	8.5306	8.629	8.97071	7.81002	9.44527	9.43285	8.80757	9.21141
C14orf79	6.70693	6.5273	6.5944	6.59098	6.34391	6.63571	7.15446	6.66546	6.52307
BTBD6	8.70783	8.40459	8.78361	9.18566	8.06155	9.82448	9.34342	8.37445	9.15679
PACS2	7.3547	7.13733	7.41731	7.35665	6.94375	7.35949	7.48937	7.12154	7.24049
TEX22	6.42975	6.2575	6.43433	6.82588	7.22417	7.2706	7.24208	7.1737	7.01654
MTA1	7.35767	7.29016	7.22361	7.40045	6.15782	7.17285	7.23749	6.93513	7.01767
CRIP2	6.92218	5.93013	7.3032	7.21651	6.6696	7.91376	8.16856	8.00048	7.89919
CRIP1	6.80826	6.48441	7.3776	7.28991	6.70214	8.21685	8.75455	7.38331	7.56538
C14orf80	6.32418	6.49592	6.38899	7.35845	7.11344	6.88533	6.84398	6.77977	6.86069
TMEM121	4.83849	4.94162	4.96646	6.09915	5.54194	5.95293	5.26057	5.80585	5.39895
FAM30A	5.23853	5.47636	5.66197	6.12573	6.91307	5.62992	5.90683	5.83714	6.13293
LINC00226	4.6621	5.25408	4.9305	5.23631	5.25408	4.72158	4.9343	4.88707	4.95093
LINC00221	3.85894	4.09178	3.81562	4.28633	5.01322	4.42462	4.46952	4.04188	4.23047
LOC642426	2.49024	2.86156	2.7595	3.95193	4.54129	3.86559	3.22995	3.73418	2.71401
USP10	6.4292	6.32666	6.55004	7.55602	7.22415	7.19939	7.66704	6.66623	6.85898
TTC5	6.7464	7.53574	7.08418	6.17863	6.55447	5.21494	6.40421	5.2604	5.8288
rpph1	6.39567	7.46198	6.85029	7.47213	7.4939	7.9714	7.65737	7.20997	6.62739
TEP1	7.9526	7.55917	7.72653	7.02708	7.00779	6.95671	7.61104	7.15756	7.4383
KLHL33	5.93895	6.19772	6.26947	6.97021	7.18267	6.88695	6.55586	7.16073	6.77789
OSGEP	6.12836	6.54829	6.49117	5.85353	5.36806	4.92735	5.66124	5.26937	5.22364
TMEM55B	7.84139	7.79185	7.90955	7.84492	7.58621	8.10785	8.24695	8.43388	8.00865
NDRG2	7.67614	7.93163	7.73275	6.65209	7.65136	8.3516	7.3287	8.63785	8.14677
HNRNPC	10.0543	10.0504	9.7293	8.12515	7.31119	7.9119	8.23706	9.86416	9.53001
SUPT16H	8.51401	8.61903	8.70732	7.86634	5.93683	7.00798	8.13681	7.35226	7.31279

CHD8	9.11737	9.21968	9.01275	8.05776	6.36636	7.51037	8.40157	7.89001	8.33711
mettl3	7.88318	7.83191	8.04583	7.01503	5.84651	6.63353	7.27887	6.41798	7.01774
DAD1	11.4806	11.5724	12.0321	11.9593	11.4786	11.6366	12.0614	11.9787	12.0618
RBM23	7.92291	7.35581	8.0357	7.30975	6.17803	6.30263	7.4543	6.70048	7.38363
PRMT5	8.41468	8.00915	8.27823	8.56362	6.75558	7.36177	8.26364	8.23278	8.44979
AJUBA	7.50754	8.51049	7.48889	8.38855	5.7806	7.30569	8.13816	7.1069	8.02013
c14orf93	6.84797	6.41757	6.5526	5.8945	6.40758	5.92372	6.09737	5.62366	5.85003
ACIN1	8.21692	8.23702	7.99363	7.66587	6.52426	7.25702	7.64142	7.46818	7.93659
HOMEZ	7.09327	7.47431	7.14113	7.12379	6.8669	7.41719	7.32741	7.30837	6.81194
EFS	8.35518	8.31613	8.08176	8.08146	7.05432	7.93116	8.44118	7.83616	7.82617
MIR208A	2.97704	3.1922	3.03214	3.80735	2.91524	3.91336	3.92775	3.12369	3.66853
Mir208b	1.977	2.03384	2.03354	2.59817	2.04635	2.18741	2.22682	1.97317	2.04511
ZFHX2	6.01382	5.95922	5.87155	6.35159	6.5427	6.56711	6.1646	6.2778	6.34778
JPH4	6.25216	6.50133	6.48531	6.98648	6.95964	6.87766	6.54548	6.68333	6.8127
NRL	5.94449	6.06199	5.99436	6.75917	6.72776	6.65644	6.54181	6.38936	6.52631
EMC9	6.51681	6.29685	6.32775	7.03073	6.92167	6.90102	6.85567	6.86581	6.40799
IPO4	7.88767	7.65802	7.97677	8.42398	6.78436	8.0912	8.51898	7.32434	7.79923
TM9SF1	8.72363	8.62865	8.56242	9.16717	7.05897	8.58518	9.57775	8.36321	9.05516
CHMP4A	6.93041	7.04443	6.94698	6.84319	6.62252	7.50196	7.07938	6.71594	7.10648
TINF2	9.31279	8.8651	8.94529	9.52533	9.38818	10.4182	10.0294	10.3887	10.465
DHRS1	8.66526	8.47794	8.66585	9.03433	8.76351	9.39395	9.77542	9.01036	9.5442
CIDEB	8.86131	8.76021	8.81883	7.57064	7.47516	7.61895	8.43048	7.88129	8.12233
ADCY4	7.59049	7.22777	7.98683	7.03878	6.39844	6.17177	6.89427	6.95062	7.36712
ripk3	6.80891	6.74807	6.98332	6.77513	5.87627	6.86215	7.20527	6.49901	7.45224
CBLN3	6.20651	6.33434	6.78016	7.01324	7.52377	7.12871	6.57374	6.83917	6.85425
ctsg	7.42679	6.55127	7.60132	6.10327	7.08302	7.24002	7.90357	7.06443	7.69358

STXBP6	7.06436	7.55173	7.08508	7.05472	7.1503	6.77237	6.12134	7.1508	6.63872
NOVA1	3.55782	3.69072	3.66874	3.28602	3.12734	3.40564	3.02151	2.72847	2.69833
PRKD1	6.50378	6.18986	6.13472	5.82991	5.57565	5.23769	5.29787	5.22306	5.54145
LOC100506071	5.46699	5.66485	5.52739	5.14486	4.43899	4.76645	4.69421	5.06028	6.43417
MIR624	4.25469	4.11467	4.35192	3.35085	2.46208	3.48908	3.70161	4.23353	5.4458
hectd1	9.98231	9.91644	9.56282	9.45471	8.27367	10.2605	9.48209	9.30831	9.66656
HEATR5A	9.00624	9.08718	8.77422	8.83531	6.88916	8.28685	8.78349	9.31389	9.60459
DTD2	8.89221	8.85353	8.55445	9.00873	7.84624	8.27495	9.41237	8.20156	8.82296
GPR33	4.29946	4.52569	4.05164	4.58582	6.50297	4.58903	4.28882	4.29231	3.99558
ARHGAP5-AS1	6.41288	6.61037	6.31832	7.41514	7.094	8.18218	7.54347	7.4794	7.68074
EGLN3	6.51165	6.68661	6.7495	6.8747	7.40787	7.09467	6.57211	6.69359	6.30312
EAPP	8.05035	7.74125	8.07983	7.38546	5.42325	7.06073	8.04229	7.64866	6.98714
SNX6	9.35852	9.31638	9.10589	9.18666	7.71757	9.58432	9.64482	9.14806	9.38912
CFL2	6.9199	6.60265	7.18805	7.3021	4.46203	6.05734	6.78771	6.49719	6.88747
PTCSC3	4.63347	4.44401	4.70291	5.28163	6.93655	5.64986	5.53345	5.0633	5.31049
MBIP	8.21219	8.14176	8.12795	7.24249	5.93397	6.0918	7.63224	7.44291	6.81166
SFTA3	4.80419	5.09437	4.8199	5.5157	5.59511	6.02299	5.49174	5.39428	4.83353
NKX2-8	6.20066	5.94733	6.17137	6.89333	7.35431	6.80194	6.73717	6.97428	6.66219
MIR4503	4.38471	3.82191	2.78364	3.19937	2.64969	3.50436	2.91491	3.5797	3.43916
FOXA1	5.52712	5.18423	5.62542	6.03619	5.33609	6.03045	5.49394	5.50363	5.22578
LINC00639	3.88064	3.98628	3.54617	4.04942	5.46752	4.29582	3.65074	4.52409	4.25252
SEC23A	8.66041	8.7351	8.64053	8.90225	6.84873	8.74142	8.85368	8.64116	8.94604
TRAPPC6B	8.74759	8.76028	8.89943	7.86499	5.56627	7.85492	8.69572	7.96308	8.55409
LOC100288846	5.72762	5.05112	5.28259	5.92602	5.58049	6.26177	6.32734	5.47065	5.92512
FBXO33	7.88785	8.11449	7.79132	7.91217	6.48049	8.38075	8.0175	8.93696	8.10973
FSCB	4.60665	4.38418	4.55129	5.15757	4.6464	5.33353	5.04397	5.17262	4.65271

KLHL28	6.69662	6.88654	6.86414	6.99862	7.10732	6.89704	7.11737	7.33213	7.10378
MIS18BP1	8.18444	8.24158	8.58187	6.80913	5.23835	5.61999	7.28498	6.74005	6.24529
RPL10L	4.57941	4.4502	4.22206	5.1522	5.34267	4.62719	5.31631	5.11139	4.60623
MDGA2	4.8341	4.58762	4.76947	4.73391	4.76985	5.18686	4.78573	4.68849	4.71498
MIR548Y	5.77099	4.90119	5.84935	4.53723	5.85766	4.26152	4.23476	4.44233	5.41747
LINC00648	3.21846	3.47716	2.98169	3.49755	4.24526	3.22359	3.01615	3.06627	2.89947
RPS29	7.34151	7.37602	7.52087	7.41171	7.39071	7.64951	7.35163	7.21166	7.23184
RPL36AL	7.04521	7.38706	7.16023	7.97313	7.21026	7.91388	8.02025	7.52322	7.5661
NEMF	8.91701	9.14224	8.85048	7.76135	5.7106	7.03962	7.96919	7.68912	7.91745
LINC01588	6.2993	6.44841	6.16901	6.12139	6.60192	6.4046	6.27908	6.16056	6.39694
VCPKMT	7.732	7.49542	7.259	6.76437	5.92688	6.38167	7.33134	6.27552	6.27352
SOS2	9.37554	9.26502	9.08669	7.53821	5.99465	7.77503	8.29943	8.31098	8.48114
L2HGDH	6.86964	6.55948	6.80345	5.82939	5.05311	4.93462	5.71994	5.4898	5.05158
MIR4504	6.65476	6.71369	6.25249	4.47919	5.80959	4.11035	4.0704	4.78313	4.73055
CDKL1	6.77087	6.89104	7.21435	6.60235	6.63349	6.27781	6.31084	6.13565	6.46891
MAP4K5	10.1012	10.1727	9.99602	9.02155	7.29146	8.60193	9.13369	8.97279	8.8338
SAV1	7.68708	7.82713	7.60104	7.51686	5.86425	8.10166	7.82133	7.59651	7.34875
NIN	8.74751	8.88342	8.63467	7.90046	6.06633	7.60447	8.42073	7.78761	8.16196
TRIM9	5.4769	5.46135	5.93534	5.46487	5.93294	6.20693	5.25706	5.62222	5.64456
FRMD6-AS2	5.19709	5.15244	4.94248	5.08056	4.43946	4.97686	5.32109	5.0735	5.00565
FRMD6-AS1	6.36065	6.39708	6.56598	6.61044	6.80143	7.21228	6.40082	6.95124	7.05218
NID2	7.19097	6.3598	6.60897	7.60688	6.917	6.35605	6.86973	6.83127	6.87338
TXNDC16	6.20343	6.07313	6.14506	4.49033	3.6699	4.74033	5.20721	5.02489	5.04489
ERO1A	8.81582	8.42281	8.98944	9.11959	11.0231	11.5396	10.8124	11.5525	10.7372
FERMT2	7.12241	6.78335	7.35505	7.3571	6.12823	6.19938	5.97392	7.07854	7.24655
BMP4	7.45796	6.8696	7.64883	6.19534	6.31605	6.54629	6.74237	6.4315	5.95837

CNIH1	8.36686	8.2747	8.40082	9.29616	7.69632	8.83465	8.94305	8.96875	8.80779
GCH1	7.07523	6.34841	6.60529	6.90535	6.08965	6.55723	7.46347	7.56177	7.40884
MIR4308	2.41876	2.40141	2.33551	2.34324	2.29096	2.74387	2.53458	2.46866	2.3198
WDHD1	7.1837	7.10197	7.27552	7.17497	5.78987	6.32898	6.89034	6.12714	6.25732
UBE2L3	7.12573	7.09838	7.06861	9.56067	9.41894	9.24011	9.87592	8.08611	8.38795
ATG14	8.43503	8.58548	8.53042	7.25236	6.90097	8.35825	7.70865	8.10866	7.45662
TBPL2	4.44098	4.28291	4.22971	4.97023	4.87917	4.8081	4.47296	4.42615	4.89332
KTN1-AS1	6.25328	5.83327	5.71267	5.36089	5.77117	5.59398	5.99872	5.27635	5.687
LINC00520	4.15259	4.54262	5.00397	5.60385	6.20962	5.79777	5.24982	7.73302	6.60976
OTX2	4.70244	4.93311	5.13226	5.75678	6.06898	5.93287	5.17073	5.86914	5.78447
C14orf105	3.58385	4.12098	3.69295	3.4545	5.64206	3.798	3.80168	4.05661	3.96005
PSMA3-AS1	7.48323	7.41641	7.64584	6.05964	4.5729	4.73841	6.41024	6.42955	7.07519
TIMM9	7.29614	7.40036	7.46862	7.0858	5.884	6.25233	7.90754	6.35039	7.01368
GPR135	6.57922	4.70596	6.8443	4.85711	5.47755	4.60799	4.52531	5.13741	5.03642
L3HYPDH	7.12537	5.76362	7.56914	6.52534	6.00687	5.98708	6.45974	6.21883	6.27692
CCDC175	3.73979	3.83398	3.87389	4.13492	3.90963	4.36179	4.33485	4.33372	4.31633
RTN1	5.55527	5.99719	6.00076	6.21264	6.0172	6.18424	6.16142	6.21627	6.04153
DHRS7	7.93122	7.82698	7.94627	9.12877	7.33476	9.6593	9.38812	9.25813	9.52185
c14orf39	3.16572	3.16657	3.32936	3.29299	3.51012	3.44522	3.53762	3.27539	3.183
SIX1	5.00145	5.18177	5.22357	5.51261	5.49501	5.62716	5.47796	5.40848	5.39247
SIX4	5.64176	5.50011	5.57428	5.48746	5.72735	5.77868	5.60952	5.97257	5.48828
TMEM30B	7.92753	7.67362	7.86852	8.24018	7.88744	9.77836	8.87532	9.21077	8.77418
HIF1A-AS2	4.65573	5.18386	4.62338	6.01534	5.18651	7.64955	7.03531	7.65205	7.02605
GPHB5	3.50467	3.32819	3.69558	3.79417	4.62774	4.11804	3.41218	3.69785	3.96553
sgpp1	8.20999	7.77598	7.90625	8.62678	6.91269	7.80729	8.95651	9.0304	9.28394
ESR2	4.95853	5.22433	5.2838	5.30164	5.79484	5.37701	5.35594	5.44813	5.12644

MIR548H1	3.94849	3.18319	3.16559	2.6606	3.36909	2.60708	2.64773	3.01771	2.18797
ZBTB25	7.46159	7.60665	7.47428	6.05039	6.50294	6.01146	6.69515	6.63151	6.06418
GPX2	7.91424	7.88815	7.32922	8.33755	6.2781	7.35362	8.66451	6.61856	8.27044
MAX	9.05586	9.25819	9.17575	8.69069	8.31777	8.5857	8.80659	8.66282	8.72395
MIR4708	4.60603	4.87437	5.1456	6.29307	6.41212	6.79765	5.95914	6.59863	6.09811
PLEK2	9.01499	8.90788	8.74052	9.83038	6.19531	10.6395	9.16235	9.90463	9.3886
TMEM229B	5.39015	5.41657	5.3324	5.52379	6.15058	5.48261	4.79521	5.95984	5.57385
VT11B	8.72082	8.94646	8.88796	8.64011	6.50126	8.58854	9.05449	8.35684	8.65439
RDH11	8.0884	7.89855	7.90967	7.9117	6.43746	7.87977	8.29743	8.04076	7.95117
DCAF5	9.47089	9.37302	9.38202	8.39416	7.89764	9.00498	8.87644	9.42996	8.77111
ERH	10.1575	10.2505	10.2693	10.0886	8.52699	8.70802	10.385	9.31246	9.76738
CCDC177	4.97158	5.13871	5.37994	5.43359	6.41302	5.24526	5.34123	5.31135	5.64317
ADAM21P1	3.54056	3.87381	3.71333	3.67122	4.48225	4.00191	2.95613	3.38696	3.92968
SYNJ2BP-COX16	9.17578	9.21179	9.44038	8.96034	8.01151	8.48418	9.25929	8.51535	8.66529
ADAM20P1	7.22889	7.00141	7.16415	5.43973	6.45368	5.26896	4.98533	7.67558	6.93003
ADAM20	5.47759	5.95843	5.79824	4.76248	5.33044	4.72392	4.84972	6.13396	5.94202
MED6	6.62607	6.71356	7.03878	6.21931	6.46821	6.86029	6.80373	6.82571	6.73531
MAP3K9	8.01626	8.02026	7.57347	8.33858	8.44716	9.58546	8.77919	10.098	9.80269
NUMB	8.391	8.05581	8.20488	8.02035	7.92598	8.53662	7.88703	8.68899	8.84103
HEATR4	5.59083	6.31572	5.81831	5.63445	6.83003	5.89991	5.52596	5.39603	5.50183
PNMA1	6.30242	6.09527	6.1378	7.02546	5.61737	6.96756	7.38588	6.47778	6.50952
ELMSAN1	7.72971	7.44701	7.71541	7.42017	6.70055	7.79023	7.55906	8.0307	7.94579
ENTPD5	6.49406	6.53515	6.7363	5.82378	5.92448	5.83233	6.47322	6.54729	6.32938
SYNDIG1L	4.61191	4.95255	4.93214	5.17231	5.55272	5.2972	5.6375	5.10337	5.62122
AREL1	9.06788	9.28917	9.2913	8.29824	7.70166	7.96782	8.79052	8.57451	8.94256
prox2	4.2163	4.42315	4.51108	4.63047	5.39219	5.53809	4.90022	5.20585	4.94622

RPS6KL1	6.05478	5.98844	6.34781	6.33141	6.54602	6.28046	6.14488	6.30308	6.2981
PGF	6.75451	6.52006	6.7171	7.90278	7.78019	8.64876	7.66809	9.30183	8.79249
MLH3	7.54684	7.7538	7.55796	6.7999	5.63699	6.7899	6.89948	6.4595	6.66823
NEK9	7.93214	7.99543	7.90213	6.92153	6.04819	6.95666	7.37654	6.87464	7.14817
TMED10	8.1083	7.80401	8.36681	7.43739	6.90222	7.02357	7.61458	7.10971	7.49536
C14orf1	11.6445	11.5936	11.7561	10.8267	10.6911	9.77936	11.2392	10.0994	11.1916
ANGEL1	7.06946	6.93432	6.96212	6.53677	6.0409	6.15881	6.49786	5.97805	6.05205
IRF2BPL	8.20703	7.9669	7.98282	7.85448	6.29129	7.3263	8.7491	7.26506	7.50685
POMT2	7.14252	6.93751	7.05433	6.91565	6.61633	6.33044	7.0887	6.68203	7.09259
TMED8	7.53111	7.00512	7.71747	6.94522	5.94563	6.58875	6.90698	6.58499	6.97117
NOXRED1	5.99266	5.87484	6.03346	5.85201	6.54036	5.66771	5.51596	5.67436	5.66249
VIPAS39	8.28752	8.22162	8.07757	7.0297	6.47919	7.2461	7.78726	6.86988	7.62991
ISM2	5.83304	5.96841	6.03542	6.92301	7.41408	6.892	6.37683	6.65045	6.68061
SNW1	7.59577	7.76844	7.67223	7.59087	5.95161	7.63299	8.06215	7.28149	7.6657
CEP128	6.61429	6.72012	6.76839	5.57762	5.79841	5.59928	5.83599	5.61682	5.63372
STON2	8.02541	7.96328	7.87858	8.49104	6.60886	8.60114	8.55995	9.48475	9.52827
SEL1L	9.23582	9.36094	9.40704	8.80195	6.58724	9.9597	9.18417	9.06554	8.98119
GALC	7.18257	6.83653	7.38227	6.23686	5.78989	5.65756	6.55908	5.36503	5.98601
EML5	5.16413	5.5674	5.43861	5.68693	5.68786	6.00979	6.045	5.44258	5.6322
FOXN3	9.90727	9.86305	9.93198	8.3874	7.69557	8.15634	8.818	8.68507	8.33392
EFCAB11	6.50077	6.42239	6.31103	6.07072	6.61541	5.83534	6.02942	5.95972	5.93541
NRDE2	6.91177	7.04894	6.70848	5.82743	5.79225	5.75472	6.00514	5.65747	5.84804
TTC7B	7.60207	6.613	6.79328	7.63603	6.67725	7.54007	7.98036	7.80463	7.90914
GPR68	6.31264	6.293	6.11933	7.15991	6.63418	7.94356	7.84496	7.11337	7.48079
CCDC88C	7.03684	7.18557	7.1259	6.96837	7.04088	6.95407	7.53896	6.8812	6.77888
CATSPERB	4.9343	4.54034	4.68878	3.99239	4.11588	4.70653	6.23856	4.3394	5.26681

FBLN5	7.69737	7.77613	8.70994	7.05359	5.79929	6.63879	7.52087	5.87324	6.83238
TRIP11	9.08382	9.34094	8.97206	8.0388	5.17455	8.0022	8.47168	7.78976	8.46728
ATXN3	8.38284	8.61583	8.04394	7.47963	5.67597	7.11857	7.61997	7.40198	7.10835
LGMN	9.24806	8.12481	9.14175	8.56981	7.23796	7.42986	8.82747	8.12022	8.6918
ITPK1	7.29193	7.23069	7.53191	7.39781	7.15881	7.67874	7.92213	7.18646	7.46733
MOAP1	7.04456	6.89062	6.9415	7.55528	7.41634	8.22532	7.60288	8.12488	7.69234
GON7	5.95231	6.21832	6.48174	6.65224	5.9635	6.67529	7.26258	6.67506	6.58778
BTBD7	7.94983	8.24078	7.9752	7.93411	5.85393	8.30387	8.00847	8.37417	8.60552
PRIMA1	5.82687	5.81134	5.95318	6.0535	6.29535	5.86339	6.08574	6.00056	6.14966
ASB2	5.60563	5.28269	5.55007	6.05648	5.85884	6.45754	5.62989	5.90004	5.93563
MIR4506	2.29448	2.02463	2.75738	2.72965	2.21121	1.92871	2.93629	2.26761	2.10711
DDX24	9.0277	9.09913	9.2329	8.81989	7.20854	8.25799	8.7508	9.02183	8.86098
GSC	5.66155	5.63653	5.32713	6.72455	5.83438	7.05438	6.35783	6.52377	6.23564
MIR3173	3.47346	2.91518	3.33493	3.38211	2.6071	2.82586	2.875	2.08729	2.57456
LINC00341	6.42303	6.99147	7.56547	5.09938	6.09239	5.67028	5.63209	6.43909	6.34338
SNHG10	6.96802	7.45356	7.31209	7.04456	6.90107	7.97991	7.81419	6.93846	6.99828
TCL1A	5.39197	5.62234	5.38488	6.16327	6.42672	6.20023	5.93945	5.9759	5.61988
atg2b	9.56992	9.94738	9.8015	8.17332	5.43502	7.16918	8.35427	8.14107	7.98907
LOC100129345	4.51941	4.40132	4.26213	4.75644	5.49561	4.61668	4.70935	4.64368	4.48
LINC01550	6.87217	6.66859	6.32504	6.07476	6.15715	5.22589	6.71272	5.4789	5.79621
BCL11B	8.37144	7.80588	7.81932	7.66817	5.31577	7.53255	8.19208	7.07537	6.72153
SETD3	9.24894	9.25743	9.26928	9.13309	7.36838	8.4773	8.90527	8.56264	8.77479
Mir151b	7.21466	7.25143	7.39075	7.1253	7.5641	7.23486	7.0182	7.34071	7.10053
BEGAIN	5.30098	5.40358	5.54187	5.81482	6.13298	6.23855	5.80347	6.39226	5.65119
Dio3os	5.27264	5.50693	5.24049	5.62896	6.2038	5.6774	5.4435	5.63886	5.6731
MIR1247	6.01756	6.41137	6.44039	6.60329	7.02845	6.86703	6.50564	6.56254	6.63482

MOK	5.74144	6.06754	6.01898	5.69378	6.15308	5.91899	5.60598	5.26448	6.01446
cinp	7.24342	7.08921	7.47554	6.99574	6.01981	7.05746	7.76187	7.21982	7.4471
ANKRD9	6.90012	6.32484	6.72523	7.62949	6.79432	8.57479	7.81907	7.2138	7.63604
CDC42BPB	9.64937	9.64365	9.57776	9.22043	7.29631	9.87607	9.57539	10.2157	9.92401
LINC00605	3.63918	3.58114	3.69267	4.35107	4.16444	4.6085	4.34677	3.92369	3.733
BAG5	7.89383	8.04165	8.11131	8.15063	7.09001	7.74301	8.37918	8.05273	8.03385
XRCC3	5.68487	5.98059	5.58802	6.16525	6.15388	6.24513	5.86236	6.16379	5.78992
C14orf2	6.58975	6.78813	6.72399	7.01714	6.23447	6.57179	7.36931	6.54347	6.68319
RD3L	4.57306	5.01045	4.14688	4.63802	4.97886	5.35162	4.30296	4.56254	4.78371
TMEM179	5.54961	5.67277	5.43408	6.19524	6.50196	6.52867	6.10752	6.3545	6.51777
MIR4710	6.58209	7.09655	6.73919	6.8372	6.51403	7.92813	7.17849	6.99636	6.94268
AHNAK2	10.1246	10.2318	10.3773	9.66015	7.48002	10.3059	10.1516	9.92785	10.249
CDCA4	7.93777	8.02305	7.87585	8.64497	7.23221	8.40377	8.51499	8.08049	7.4965
GPR132	5.68864	5.75204	5.7105	5.75743	6.39081	6.37546	5.8707	5.96772	5.93352
JAG2	8.07969	7.76274	7.96985	8.21648	6.92833	7.9903	8.0124	7.76672	7.58843
NUDT14	6.55522	6.62027	6.35525	6.80969	6.08019	6.87348	6.72074	6.42141	6.68362
ADAM6	5.828	6.07359	6.25973	6.3686	7.09141	6.31828	5.76196	6.09564	6.0074
CHEK2P2	4.62747	4.63642	4.783	5.37314	8.81264	5.549	5.09396	5.20345	4.68447
MIR3118-4	6.8091	7.13437	6.52027	4.57478	7.53976	5.04216	4.6521	7.04018	6.25168
LINC01193	4.8831	4.37924	5.08595	5.13489	6.47886	5.05721	4.81952	5.47301	4.94058
RERP3	8.08409	8.08685	8.28743	7.69585	9.60789	8.13434	8.60926	8.69539	8.21348
GOLGA6L1	5.7762	6.01769	5.96543	5.9257	8.21409	6.46691	6.03338	6.55635	6.48648
CYFIP1	8.66072	8.18567	8.30354	8.27837	6.90765	8.71339	8.63158	8.77242	8.81418
HERC2P7	6.09031	6.31223	6.23997	5.91128	7.48854	5.47761	5.47341	5.50265	5.64854
MKRN3	4.58824	5.19732	5.02599	5.62599	6.27767	5.47705	4.65302	5.59934	5.26468
PWRN1	5.42895	6.80501	5.11357	5.65389	6.54234	5.86868	5.92663	6.26627	6.05132

NPAP1	6.07997	6.06088	6.20215	6.37609	6.2424	6.63956	5.96182	6.65112	6.51763
PWAR1	5.55459	5.4753	4.98148	5.10196	6.83654	5.49813	5.42314	5.05149	5.55591
LOC100128714	5.17877	5.29458	4.90655	5.65772	5.92601	5.67846	5.48558	5.45295	5.49799
LINC00929	4.50685	5.04889	4.7383	4.99392	5.82003	5.32845	4.94649	5.03019	5.29172
MIR4509-1	4.55768	4.9498	4.93479	3.85257	7.52846	5.31534	5.03487	5.53175	4.94932
HERC2P9	10.0053	9.31996	10.33	7.82641	8.06264	7.13296	7.24962	7.44626	8.25751
GOLGA8S	3.76685	4.23964	4.31718	3.04194	3.16561	3.13326	3.43577	2.82109	2.96379
LOC100289656	2.49433	2.84901	2.47695	3.45526	2.58146	3.31048	2.9936	2.96491	3.08733
PDCD6IPP2	6.51169	6.63723	6.84808	6.93437	7.63504	7.00735	6.54548	6.86507	6.50069
ULK4P3	6.26553	4.94703	5.97722	6.2996	6.94153	5.66127	5.44686	5.63629	5.18753
DKFZP434L187	2.39725	2.75816	2.53458	3.24408	3.35924	3.08806	2.91491	2.6511	2.77141
Arhgap11b	7.74133	7.19525	6.86458	6.97675	5.76947	5.88798	6.38301	6.45768	5.96217
LOC100288637	6.536	6.04292	5.97759	4.81447	6.91473	4.20657	5.12969	4.8015	5.41627
HERC2P10	3.58668	3.78172	4.24578	5.07695	5.572	4.2366	4.3189	3.73948	4.37679
FAN1	7.24945	7.62688	7.48505	6.65879	5.89278	5.87561	6.61255	5.95366	6.35735
KLF13	7.04004	7.10644	7.15668	7.323	6.28205	7.60676	7.40006	6.56437	7.0961
ARHGAP11A	6.99508	6.46001	6.64892	6.74748	5.19692	5.62292	6.86516	6.10964	6.09319
SCG5	4.79928	4.46336	4.38506	5.25813	5.47125	4.96652	4.97724	5.59613	5.35535
GREM1	7.34835	6.69613	6.76003	9.24852	7.41441	8.49857	8.38082	8.99691	8.61934
RYR3	6.70368	6.23722	6.30878	6.06421	6.29667	5.898	6.4258	7.14922	6.34654
PGBD4	6.46507	6.45758	6.31295	5.5164	5.68933	5.74567	6.03729	5.96245	5.88171
EMC4	8.60007	7.98381	8.87304	8.66354	7.74771	8.39678	8.72952	8.8681	8.93917
NUTM1	4.82127	4.53987	4.73929	5.23224	4.77055	6.05434	5.22939	5.38038	5.12515
ZNF770	4.15732	3.48568	3.31529	5.50871	3.27861	5.44437	5.39609	3.8212	3.99241
DPH6-AS1	5.2517	4.81676	5.04375	5.26676	5.53604	5.87734	5.68039	5.30846	5.13784
MIR4510	2.03235	2.19414	1.80575	2.34687	2.04301	2.61481	2.26396	2.11918	2.25432

c15orf41	10.2207	9.90027	9.46604	8.71905	7.50523	8.21752	8.48913	8.73646	9.15563
MEIS2	4.53256	4.57033	4.5391	4.38312	5.26418	4.92479	4.34289	4.62757	4.90671
TMCO5A	4.41729	4.90614	4.77858	4.93394	5.75518	5.37651	5.01078	4.94536	5.01297
C15orf53	5.51693	5.94019	6.01439	6.2999	6.40318	5.89415	5.84022	6.09214	5.98067
C15orf54	4.01832	3.84397	4.17899	4.23411	5.17987	4.02582	3.26511	4.01986	3.82118
THBS1	10.0988	9.31334	9.26424	10.3613	7.5856	9.66529	9.43319	10.8763	10.7414
EIF2AK4	8.45836	8.06325	8.24866	7.87501	6.31723	6.69201	8.01171	7.10504	7.25549
SRP14-AS1	5.03384	5.2148	4.93868	4.9653	5.31294	5.18484	4.91405	4.82242	4.76322
BMF	4.1902	4.4133	4.23077	4.86772	4.92203	4.84109	4.71217	4.8604	4.47332
BUB1B	7.067	6.78886	6.92557	7.16548	6.33234	6.66787	6.87931	6.74324	6.53438
PHGR1	5.44443	5.586	5.52103	5.23392	5.49716	5.38783	5.39795	5.12965	5.15758
DISP2	5.77064	5.67834	5.34667	6.27344	6.78445	6.08117	6.11731	6.1188	5.84849
KNSTRN	7.25507	6.89102	6.94487	7.51741	5.74217	6.45327	6.76407	6.90028	6.34278
IVD	6.40838	6.42196	6.32844	6.3822	6.2899	6.36035	5.7673	6.18081	6.38272
BAHD1	6.83264	6.9201	6.41144	7.2154	7.08592	7.17525	7.30247	7.32937	7.11823
CHST14	7.1975	7.06954	7.18027	6.83854	6.13543	6.66663	7.17149	6.62574	6.54269
RPUSD2	6.97669	7.06841	6.99563	7.00768	6.483	6.53588	7.418	6.90594	6.4586
KNL1	7.27417	6.92068	6.47612	7.22093	5.56393	6.29662	6.98646	7.07038	6.39009
RAD51	5.59778	5.25316	5.57783	6.27164	5.66447	5.99434	6.06773	5.52604	5.65662
GCHFR	5.9248	5.98929	5.82818	6.48553	6.21027	6.9154	6.41703	5.63152	6.35323
C15orf62	6.65211	6.50909	6.37933	6.3947	6.6071	6.63743	6.14257	6.30961	5.98917
vps18	6.68395	6.94741	6.98918	7.29726	6.60402	7.73315	7.84485	7.86228	7.06241
DLL4	6.66709	6.2887	6.42267	6.63494	5.93034	6.38435	6.57813	7.04032	7.21624
CHP1	7.15249	6.873	6.75359	6.93282	6.65804	6.88554	6.96784	7.43848	7.27357
NUSAP1	8.32766	7.33343	7.58115	7.45822	5.53927	6.11812	7.34774	7.35397	6.4915
ITPKA	6.10275	6.03388	5.95113	6.44347	6.49797	6.96674	6.54961	6.90781	7.03202

TYRO3	7.31317	7.35543	6.8553	7.11946	6.51572	7.21749	7.05604	6.61521	7.18695
MGA	9.06393	9.08782	8.79285	7.9916	6.23091	7.31751	7.93494	7.63937	7.85423
MIR626	5.39883	5.3453	4.83984	3.32496	5.63871	2.96611	3.67519	4.17199	3.39243
MAPKBP1	8.75819	8.19558	7.81054	7.97197	6.78924	8.24253	8.14056	8.98597	8.46716
STARD9	7.69885	7.59263	8.08354	6.83124	7.29607	6.77945	6.46177	6.69011	6.99092
TMEM62	8.36489	8.40236	8.62367	7.50209	6.49729	6.84795	8.38796	7.78812	7.93268
CCNDBP1	8.66863	8.47645	8.54304	8.06309	6.26855	8.33436	8.50258	8.14791	8.58175
ADAL	5.79182	6.53356	6.70268	6.04902	5.74606	5.70237	6.02385	5.752	5.15142
MAP1A	6.22744	6.33108	6.7811	6.03251	6.59601	6.21202	6.42892	6.30492	6.2396
SERF2	6.74186	6.55766	6.66227	6.734	6.10103	6.32693	6.36372	6.32828	6.43009
WDR76	7.87097	7.8025	7.78615	7.41781	5.5758	6.56154	7.17827	6.69513	6.53253
CASC4	8.32235	8.0423	8.48031	7.21196	5.25904	6.58914	7.56857	7.44364	7.12345
B2M	9.88265	9.5852	9.86343	9.33777	7.91148	8.9794	8.78413	9.18275	8.83095
TRIM69	5.65974	5.48713	5.18065	5.53099	5.66357	5.31277	5.35217	4.43067	5.27758
TERB2	3.28808	3.34767	3.3285	3.37647	3.9107	3.85268	3.68178	4.07108	3.35653
SORD	7.84696	7.84656	7.34315	7.71424	7.77156	8.07267	7.45507	7.58232	7.20773
DUOXA2	5.01101	5.09491	4.93383	7.04712	5.0625	6.45812	6.66043	5.89043	6.17002
DUOX1	10.2279	9.47824	9.4923	10.1665	8.72833	10.508	10.042	10.4919	10.8471
SPATA5L1	6.40458	6.27456	6.24602	6.10883	5.62675	6.25499	6.85399	5.81778	6.13073
C15ORF48	5.05728	4.82312	4.91718	5.66908	8.6088	10.0883	9.02997	9.45843	6.4524
HMGN2P46	4.66932	4.59129	4.40698	5.49461	5.43317	5.68527	5.13454	6.04698	4.96287
BLOC1S6	8.46689	8.21931	8.28026	7.9796	7.50159	8.77058	8.55535	8.39827	8.29394
SQRDL	8.97462	9.04657	9.07398	9.56012	7.86472	11.176	10.4189	11.0612	10.4719
CTXN2	3.59863	3.91166	3.81942	4.0457	5.67807	4.13518	4.41269	4.22195	4.17392
DUT	5.55114	5.80395	5.6799	5.70566	4.94244	5.60299	5.51701	5.46545	5.25496
EID1	8.14036	8.25675	8.46006	8.09189	5.14985	7.00667	7.86379	7.24023	7.24463

GALK2	8.20408	7.86244	8.16421	7.35206	6.30213	7.2294	7.29212	7.08469	6.98679
FGF7	7.58978	7.49686	7.55145	6.16113	5.6701	5.34188	6.33847	5.40882	5.18438
DTWD1	6.909	7.48301	7.03497	5.9656	4.15422	5.06476	6.45852	5.53393	5.31613
GABPB1-AS1	6.7979	8.10306	6.40242	6.42869	5.5203	4.80558	5.8834	6.00329	5.70383
MIR4712	2.27805	2.41508	2.38276	2.54233	1.73877	2.06621	2.12406	2.18161	2.12192
USP8	8.79535	8.58544	8.97802	7.97257	6.9117	7.29226	8.18504	8.05325	8.07275
SPPL2A	6.54054	6.31403	6.25963	6.77472	6.90137	6.9119	7.20951	6.39775	6.74578
DCAF13P3	6.23891	5.71104	5.76259	5.34527	6.22322	5.37989	4.37762	5.10024	5.43618
MIR4713	4.24949	4.24104	4.43146	4.78076	3.5753	5.00923	4.03455	5.18314	4.64921
GLDN	7.14445	6.95917	7.37784	6.02119	6.47598	6.39223	6.62033	6.22616	5.84553
SCG3	3.23647	3.36299	3.77521	3.65669	4.60011	3.79881	4.47007	3.6096	3.79465
TMOD2	7.66758	7.98953	7.38881	7.35975	5.90966	6.45354	7.2465	6.88468	6.90983
TMOD3	9.22958	9.21076	9.39728	9.29547	8.1684	9.67107	9.38846	9.63785	10.0977
MAPK6	9.38628	9.11107	9.22504	9.20841	8.36979	9.95496	9.50353	9.34565	9.86748
UNC13C	4.51854	4.10845	4.44314	4.66316	5.65915	4.00471	4.01568	4.18213	3.88494
C15orf65	8.06574	8.06548	7.16752	7.38721	7.11651	6.72585	8.5283	7.54149	7.9168
TEX9	7.58927	8.53237	7.88295	4.53157	3.75817	4.64814	5.353	4.1538	4.71099
TCF12	9.0279	8.58447	8.63693	7.59085	6.48594	6.9178	7.44489	7.23271	7.76304
LINC00926	6.50598	6.58026	6.74657	6.15615	6.41669	6.37748	5.71082	6.09632	6.07508
CGNL1	6.35148	6.76618	6.42652	5.75258	5.78359	6.15091	5.75162	5.63112	6.10075
AQP9	8.9804	9.86714	9.09564	7.01102	6.35875	8.58029	6.38265	7.26482	8.24675
RNF111	8.55227	8.7463	8.85596	8.0947	6.55149	8.64459	8.25112	7.98793	8.55597
CCNB2	7.52657	6.96601	6.71683	7.90197	5.77727	6.48001	7.36507	6.79804	6.58961
LDHAL6B	4.42369	5.55622	5.28927	6.23339	6.68008	5.93497	5.50876	6.25768	6.25295
BNIP2	6.63436	6.49477	6.88481	6.80463	7.31984	6.8317	6.48818	7.12719	6.68384
FOXB1	3.72361	3.85323	3.77234	4.42487	4.99967	4.61572	4.38159	4.17179	4.3436

C2CD4A	5.85658	5.94905	6.06884	6.34822	6.77419	6.66297	6.67815	6.41018	6.49903
TLN2	6.38168	7.31917	6.93381	5.85657	6.2097	6.09117	6.34692	6.26126	5.98904
MIR190A	2.10548	2.71602	2.00382	3.01019	3.17633	2.99484	2.95358	2.64512	1.9692
TPM1	8.48637	8.37855	8.29514	7.35071	6.80692	6.44702	6.64126	6.758	6.8924
APH1B	6.87919	7.03859	6.99782	6.80564	7.56068	6.72166	6.42819	6.53442	6.71448
USP3	9.66453	9.50907	9.47046	8.16441	7.52109	8.76193	8.43778	9.31394	8.68141
FBXL22	5.35868	5.18942	5.47104	6.34619	5.55613	6.1725	5.78563	5.59198	5.56608
HERC1	6.1766	6.22637	5.92998	7.36928	5.73478	6.4659	7.55041	6.32354	6.06748
SNX1	8.15413	8.13093	7.97419	7.48736	5.78897	7.21903	7.81427	7.17894	7.48263
SNX22	5.26461	5.14921	5.6082	6.0314	5.9756	6.17753	5.83897	5.76422	5.96906
TRIP4	7.56966	7.52129	7.50724	7.07076	5.99223	6.94639	7.67417	7.12151	7.39514
ZNF609	7.82451	7.98667	7.79789	7.27109	7.00328	7.3874	7.46004	7.86669	7.93323
ANKDD1A	6.73056	6.63706	6.84678	6.97071	7.01913	6.8416	6.83553	7.01125	6.73103
SLC51B	5.66387	5.50138	5.69236	5.72671	5.85053	5.7238	5.51058	5.45076	5.64423
KBTBD13	5.25703	5.75772	5.39044	5.8703	6.61553	6.34516	5.71087	6.16198	6.04485
HACD3	9.01616	8.08187	8.73853	7.31721	6.63893	6.0834	7.49665	7.01498	6.92147
MIR4311	5.43229	5.18957	5.6261	5.45482	7.39572	6.58772	5.96727	7.42253	6.12038
DIS3L	7.66463	7.7335	7.97528	6.20679	6.59918	5.76884	6.76048	6.2583	6.35623
MAP2K1	8.51915	8.22329	8.39688	9.25548	8.22283	9.53229	8.99932	9.64361	8.88818
SMAD6	5.95356	6.98717	5.98165	5.30206	5.3704	5.15009	5.93529	5.61639	6.70909
SMAD3	6.84758	6.44194	6.80838	6.50728	6.35722	6.1308	6.72903	6.29191	6.4615
IQCH	5.43498	5.55294	5.58936	5.36567	5.48179	5.46439	4.9289	5.16366	5.25874
c15orf61	5.4716	5.37863	5.7959	6.09656	4.87428	5.17196	6.44776	5.47248	5.23705
map2k5	8.22562	8.054	8.29578	6.0866	5.67259	5.84722	7.03378	5.90961	6.42863
SKOR1	5.62491	5.35231	5.37638	5.98189	5.83238	6.28153	5.8772	6.07198	5.86623
FEM1B	9.3729	9.06666	9.37141	9.14196	7.90815	9.60544	9.11547	9.48868	9.65851

EWSAT1	3.89964	4.00859	4.12474	4.28603	4.74077	4.01247	3.75552	4.17471	4.23951
GLCE	8.17538	8.02442	8.09923	7.60736	6.21845	7.68377	8.24568	8.20701	7.85512
PAQR5	8.48973	8.06528	8.80748	9.94186	9.65339	10.9549	10.5985	10.4169	11.1121
KIF23	6.92621	6.55871	6.39995	7.00516	6.16695	6.42315	6.74915	6.77419	7.38342
LRRC49	6.6044	6.49318	6.8572	5.82513	5.94071	5.30994	5.76637	5.20775	5.74424
SENP8	6.11597	6.08399	6.09436	5.87724	5.56828	5.71977	5.95317	5.86078	5.95029
HEXA-AS1	5.57543	5.26829	4.93579	5.19924	5.04889	4.82833	5.04098	5.16311	4.95292
TMEM202	4.24123	4.53115	4.52378	4.77368	5.87175	5.13722	4.56159	5.04021	4.64044
BBS4	7.59576	7.34573	7.64804	6.29475	5.62953	5.92752	6.74892	5.13905	5.7553
ADPGK-AS1	4.91238	4.36647	4.86467	4.49638	5.54149	4.48255	4.52745	4.39656	4.38242
NEO1	9.86358	10.0223	9.84688	7.86176	6.17506	6.94286	8.34865	7.02154	7.16479
REC114	4.4146	4.53433	4.33146	5.29393	4.15682	5.33353	4.49598	4.76054	4.78806
CD276	6.79086	6.97018	7.01897	7.50484	6.49019	6.63584	6.77418	7.18898	7.28839
LOXL1-AS1	5.01464	5.06256	5.1184	4.85427	5.34528	4.30311	5.06803	4.39149	4.18897
LOXL1	7.28627	7.59057	7.53537	7.7226	6.85568	7.28491	7.97017	7.16897	7.22358
PML	7.67933	7.2222	7.57679	7.33275	6.20755	7.22365	7.9174	7.63465	7.40383
ISLR2	5.65442	5.58986	5.70077	5.94951	5.64384	6.16826	5.90098	6.07018	6.07609
ISLR	7.01142	7.10691	7.54738	7.51122	6.8987	6.82944	7.71043	7.62183	6.99872
CCDC33	5.57243	5.49087	5.73965	6.08451	6.46533	5.69484	5.97825	5.73965	5.68166
LOC729739	7.68929	8.15433	7.60044	7.83043	8.09842	7.37206	7.5713	7.72287	7.98197
UBL7-AS1	7.14689	7.35918	6.97411	6.32192	5.64068	5.48067	6.26388	5.30691	5.22429
ARID3B	6.94747	7.00937	6.8569	7.07294	6.95454	7.42603	7.17428	7.55795	7.4224
CLK3	8.95263	9.08828	8.71259	9.30364	9.40299	10.2269	9.30188	10.0288	9.44508
CSK	7.46309	7.38141	7.37455	8.09638	6.52411	8.81973	8.21152	7.36416	7.84737
CPLX3	6.60765	6.52592	6.42718	6.81342	7.03413	6.6594	5.94128	6.22394	6.43688
MPI	8.71916	8.46227	8.1724	8.93056	7.90165	9.35241	8.79987	8.76159	8.8196

SCAMP5	6.65174	6.66505	6.90494	7.2287	7.57988	7.35044	7.04193	7.12289	7.29401
PPCDC	6.72369	6.97053	6.67544	6.77554	6.76724	7.09682	7.13792	6.92575	7.10364
c15orf39	6.93703	6.80928	7.15057	7.33162	7.10575	7.79097	7.68006	7.9719	7.80253
COMMD4	6.62734	6.89567	6.52441	6.94014	6.83461	6.08942	6.96075	5.87455	6.67292
NEIL1	7.3631	6.71326	7.17552	6.10548	5.98617	6.57423	6.1766	6.09316	5.92818
snx33	8.29517	8.58524	8.27649	8.32161	6.78781	9.71369	8.82717	8.1642	8.66152
ODF3L1	5.65643	5.70593	5.58929	5.8858	6.68928	5.95938	6.30229	5.88021	5.81137
UBE2Q2	8.25381	7.21437	7.65033	9.34993	5.94877	9.90322	9.18754	9.38567	10.0795
FBXO22	8.73131	9.03243	8.8021	8.26326	7.2825	7.86454	8.06932	8.67178	9.05786
TMEM266	5.45245	5.47232	5.49416	5.58205	5.69859	5.85712	5.8225	5.96188	5.76504
ISL2	5.46177	5.88695	5.74791	6.8866	6.81153	6.98708	6.63788	6.53601	6.65493
PSTPIP1	5.89666	5.5838	5.80845	6.29071	5.73844	6.70224	6.47334	6.18514	6.19694
TSPAN3	4.27486	4.33407	5.66416	4.37356	5.04959	4.86437	4.9858	4.38869	4.99083
HMG20A	7.58315	7.98755	7.70814	6.52021	5.80819	6.53888	7.39964	6.61105	6.89533
LINGO1-AS1	4.49228	4.82915	4.46375	4.79049	5.44883	5.59796	4.78869	4.94022	4.82426
SH2D7	5.3375	5.57216	5.52186	5.90147	6.41288	6.32425	6.05384	5.76335	5.95841
IDH3A	7.88372	7.75467	7.92646	7.78582	6.66645	7.36414	7.74955	8.48681	7.91109
CRABP1	5.7408	5.95851	5.45837	6.06919	5.65333	6.2774	6.68095	6.10409	6.18742
IREB2	8.37747	8.8229	8.46961	7.98	5.96674	7.76378	8.24585	7.55695	7.91654
HYKK	7.16391	7.23524	7.46207	6.06241	5.42828	5.87493	6.80575	5.6594	5.86012
MORF4L1	7.06061	6.24319	6.88147	6.72317	5.87671	6.65948	6.47835	6.63204	6.79839
mir184	4.72846	4.86526	4.96177	5.41629	6.0337	4.97319	5.14536	4.69982	4.81272
ANKRD34C	5.47031	5.60993	4.84322	5.19025	6.35868	6.13301	5.46976	5.76236	5.09672
TMED3	7.30914	7.21837	6.96962	7.7517	7.43183	7.72136	7.70841	7.7748	7.50957
KIAA1024	5.99171	5.89729	5.76186	5.95272	6.07546	5.94185	5.98505	5.90131	5.94185
ST20-AS1	6.07314	6.18841	6.25406	6.94029	6.21251	7.06197	7.31277	6.62869	6.91355

FAH	7.22241	7.40308	7.02149	7.48518	6.35361	7.04316	7.62054	6.91826	6.76807
ARNT2	6.39802	5.93995	5.93142	6.303	6.24873	6.018	5.70117	5.98918	5.88842
cemip	7.75961	7.04681	6.57106	7.59317	6.12114	9.97473	8.1917	7.64617	8.88977
mesdc1	7.21513	7.26314	7.3135	8.57782	8.01798	8.45506	8.14808	7.57104	8.32899
IL16	6.747	6.45777	7.15776	6.2156	6.93319	6.41222	5.884	6.54938	6.2561
MEX3B	6.7147	6.7424	7.03214	7.64639	8.57574	7.69149	7.18486	7.32439	7.10364
ADAMTS7P1	6.7796	7.06954	6.85991	7.2142	7.0453	7.58774	7.15385	7.23627	7.42825
UBE2Q2P2	7.83137	7.43072	7.9557	6.7601	6.00253	7.70399	7.77289	8.22425	7.74307
GOLGA6L9	7.88426	8.08629	7.98184	6.68795	7.50103	7.5266	7.12563	8.00326	7.82144
GOLGA2P10	8.40118	8.2006	8.38216	7.92616	7.96248	8.20252	8.14782	8.34084	8.06183
CPEB1-AS1	5.22721	5.04641	4.72627	4.89531	5.2536	5.95098	4.97078	5.45028	5.23673
SCARNA15	2.68112	4.0306	3.62339	2.70453	2.86914	3.0427	4.52122	1.98955	3.24062
TM6SF1	6.41193	5.9417	6.74608	5.92347	5.86597	5.13426	6.19216	5.44603	5.58123
ADAMTSL3	6.50892	6.48941	6.47554	5.3635	5.72766	5.26309	5.20411	6.25423	5.93974
EFTUD1P1	5.50542	5.56094	5.47139	6.14522	5.61239	6.92547	6.08091	6.66295	6.07766
UBE2Q2L	6.07769	6.12145	6.14181	5.93558	6.30698	6.26246	5.90791	6.44702	6.07769
LOC440300	5.48032	5.09784	5.72514	3.59754	4.87963	3.332	3.69402	3.90475	4.98579
GOLGA6L4	3.4299	3.16064	4.25624	3.49723	4.97189	4.06989	4.16216	4.56623	3.77896
LINC00933	5.76914	5.99471	5.78626	6.21999	6.02314	5.31276	5.4322	5.13677	5.50909
ZSCAN2	6.14233	5.78309	5.76259	5.73021	7.1456	5.89421	5.95405	5.78427	5.95468
SCAND2P	6.42535	6.74483	6.67157	6.391	6.64464	5.71393	5.8014	5.67524	5.49874
ZNF592	9.07852	9.13769	9.25921	8.68307	7.10597	8.60149	9.06438	8.52095	9.17272
ALPK3	5.68388	5.1977	5.64429	5.91394	5.38827	5.85826	6.12478	5.93767	5.85597
PDE8A	8.56268	8.47989	8.6409	7.49033	6.23413	7.36163	8.00476	7.5759	8.00424
AKAP13	8.97928	8.6827	8.87518	7.59338	6.89478	7.66333	8.0001	9.20543	8.57262
GOLGA6L5P	8.30129	8.57362	8.50536	7.32834	7.9191	8.07048	7.57091	8.31907	8.2954

AGBL1	5.24215	5.2116	4.87405	5.64249	6.14036	5.55329	5.58633	5.3917	5.64458
LINC00052	4.8569	4.95847	4.93353	5.12914	5.47499	5.19103	5.12362	5.71215	5.57674
NTRK3-AS1	4.28315	4.40185	4.62522	4.36644	5.48654	4.50972	4.4543	4.47356	4.38633
MRPS11	8.4093	8.47478	8.44406	8.43279	7.98577	8.0441	8.5616	7.6415	8.055
MIR1179	4.20494	4.27069	4.28154	4.42539	6.15205	4.16886	4.21477	4.4817	4.3094
MIR7-2	3.61929	3.66382	3.72786	4.11669	3.44264	3.17156	3.21934	4.27582	4.59407
AEN	7.2	7.07198	7.03702	7.70275	7.36493	7.74071	7.7471	7.54125	7.72311
ISG20	5.78382	5.4535	6.01812	6.62257	6.5603	7.80127	6.61978	7.35649	7.25825
ACAN	5.64569	5.21398	4.90218	5.91726	5.44009	5.69399	5.58716	5.61893	5.46968
ABHD2	8.56421	8.47544	9.15494	8.33373	7.2785	8.01382	8.93423	9.34858	8.8476
Mir9-3hg	5.51545	5.71505	5.61023	5.98547	6.4605	6.46891	5.76724	5.97856	6.05833
mir9-3	4.03158	4.37692	4.38617	5.01622	5.20237	5.47937	5.30576	5.26165	4.85086
TICRR	6.82222	6.20121	6.01853	6.57498	5.52801	5.8891	5.98268	6.19111	6.18464
WDR93	5.08033	4.92388	5.19333	5.22387	6.45952	6.02948	5.39997	5.23092	5.52159
MESP2	7.04325	6.85876	6.72736	6.9951	6.75044	7.09297	7.08382	6.95624	6.94885
ZNF710	6.89839	6.82961	6.51713	7.07748	6.16937	7.49205	7.33833	6.92408	7.4975
MIR3174	4.58966	5.32607	5.19921	4.66789	4.11483	5.04555	4.3571	5.30997	5.52838
GDPGP1	6.77955	6.31134	6.18495	6.80694	6.0106	6.83337	6.95066	6.80179	6.8792
ZNF774	7.20168	7.6493	7.07297	5.63575	6.8599	6.21581	6.15131	5.92853	5.84995
iqgap1	11.3628	11.1763	11.2586	10.8878	8.54148	11.1948	11.2809	11.4648	11.6575
CRTC3	7.68198	7.76573	7.98679	6.6505	6.97455	6.27861	7.03465	6.54854	6.94325
FURIN	8.94792	8.63751	8.80251	10.053	7.67769	10.315	10.1133	9.87945	10.2197
FES	5.8193	5.55691	6.13465	6.27868	5.74405	6.35009	5.97938	6.39068	6.57362
UNC45A	7.7522	7.51211	7.35242	7.77942	6.73051	7.74223	8.19697	7.77132	7.85121
RCCD1	6.55653	6.51348	6.3575	6.18651	6.23037	6.20925	6.46159	6.1568	6.1362
PRC1-AS1	6.70122	7.21376	6.8855	6.29984	6.20716	6.47052	5.74009	6.49999	6.2416

SV2B	6.01397	5.43185	6.11341	5.98525	6.6353	5.93385	5.6557	5.78748	5.72796
ASB9P1	5.1952	4.95143	5.11312	5.12254	5.37093	5.50761	5.49397	5.16359	4.98963
LINC01578	10.4276	9.56435	9.87946	8.30773	5.98934	8.14062	8.71427	8.65955	8.60588
CHD2	9.08764	9.25077	8.88842	7.61556	6.23231	8.29026	8.11993	8.54463	8.55409
MIR3175	7.62119	7.22709	7.42845	7.709	6.38826	7.91879	7.45856	7.42064	7.86345
LINC00924	5.32578	5.00167	5.41267	5.04655	5.7627	5.31043	5.0388	5.37111	5.24922
SPATA8	4.43861	4.65227	4.25874	4.73216	5.30614	4.3128	4.55614	4.17412	5.10774
ARRDC4	9.66678	9.65255	9.58247	9.88451	11.3973	11.5571	11.4165	12.6087	10.961
IGF1R	9.35573	8.75094	8.8585	8.30809	6.83872	7.53254	8.59242	8.75911	8.69939
MIR4714	2.83486	2.82408	2.8378	3.11169	2.5115	3.33528	2.76309	3.33828	3.34658
LRRC28	7.65677	7.42234	7.5047	6.50972	6.3154	6.36389	7.05059	6.61682	6.59538
MEF2A	9.50356	9.48751	9.58378	8.04265	5.9685	7.79479	8.59902	8.51313	8.88006
SPATA41	5.66545	5.55124	5.31532	6.07594	6.09091	6.12298	5.69394	5.74402	5.95146
ASB7	7.56175	7.65158	7.65447	7.29214	6.97384	7.51338	7.66072	7.72251	7.51574
LRRK1	7.72857	7.56581	7.58586	7.03437	6.56757	6.99089	7.23866	7.02797	7.11557
WASH3P	7.09282	7.06072	6.61489	7.59206	6.62955	7.67551	7.46442	7.11471	7.01948
HERC2P3	9.93902	9.50003	9.56986	8.50301	8.73518	7.51184	8.27927	7.81009	8.50562
GOLGA6L6	5.15604	5.19363	5.51091	5.94601	7.0803	5.53908	5.43782	5.13148	5.35563
NBEAP1	6.40267	4.71794	4.19582	4.85775	5.1386	3.2229	4.72041	4.59749	4.70615
LOC646214	7.26378	8.02332	6.65653	5.99522	7.21985	5.81188	5.87722	6.65728	5.55475
CXADRP2	4.8027	4.98148	4.7231	4.82645	6.92956	4.67221	4.45968	4.84363	5.20997
NF1P2	6.22914	6.31888	6.5103	6.19053	8.62045	7.01465	6.01609	6.6037	7.28581
NIPA2	7.69877	6.8004	7.26505	7.53017	6.50164	7.14717	7.41973	7.72635	7.50884
NIPA1	5.78171	5.84439	5.69338	5.56745	5.23009	6.6668	5.90086	6.12644	5.88018
LOC283683	4.41447	4.4447	4.25151	4.19259	6.95995	5.31222	4.99829	4.9112	4.46446
HERC2P2	9.59108	8.28215	8.67452	8.00933	6.99905	7.12036	7.96239	7.22313	7.77539

MAGEL2	5.33683	5.64753	5.4151	5.71165	6.05269	5.84796	5.77754	5.91845	6.05552
NDN	5.26951	6.12784	5.57977	6.34495	5.10074	6.51287	6.16786	5.67723	5.81913
PWRN2	4.15689	4.44201	4.34499	4.42675	5.5715	4.10615	4.91581	4.58951	4.43916
UBE3A	8.99767	8.92032	8.96411	8.01281	6.45422	8.221	8.60941	8.41423	8.42952
MIR4715	4.77121	5.0478	5.03161	5.3057	4.99739	5.61374	5.02473	5.37579	5.38319
OCA2	7.03187	6.67491	6.83231	6.02251	6.28207	5.57229	6.31552	5.87993	6.03096
HERC2	8.13091	8.15643	7.93666	7.4428	6.51264	6.91232	7.67711	6.90084	7.19154
NSMCE3	6.38329	6.62397	6.86615	6.81088	5.6348	6.69756	7.16471	6.81801	6.2486
TJP1	10.5438	10.4694	10.327	9.74905	7.99693	10.2498	9.83687	10.6	10.8166
MTMR10	9.80119	9.73751	9.61258	8.89993	6.80503	8.42621	9.15684	9.17897	9.00251
MIR211	6.2948	6.17386	6.27673	6.34138	7.52851	6.31485	5.72157	6.16932	6.15605
LOC283710	4.95191	5.13058	4.87435	5.41307	6.20073	5.59903	6.1163	5.33579	5.38038
OTUD7A	6.0566	6.02132	6.17912	6.33359	6.42801	6.14828	5.51344	6.26385	6.07734
FMN1	7.47642	8.01921	7.70884	6.43645	6.50541	6.90751	6.8307	7.48244	7.36456
EMC7	9.67233	9.18197	9.58729	9.78087	7.313	9.39091	9.87698	9.3686	9.75462
KATNB1	8.39759	8.36487	8.22434	7.61657	6.60016	8.29223	6.91538	10.2763	9.74047
NOP10	8.69024	8.39405	8.31948	10.2162	9.18121	9.87776	9.95534	9.7389	9.6425
LPCAT4	7.93518	7.57125	7.67198	8.06536	7.96797	8.10141	7.62718	9.07642	7.72389
AQR	9.58512	9.49306	9.48246	9.12436	7.00166	8.53661	8.91575	9.03465	9.2319
DPH6	8.17341	8.0382	8.12583	6.27946	5.47298	6.26777	6.72373	5.63471	6.06315
MIR3942	8.13641	8.37448	7.70206	4.20418	4.4822	3.67391	4.88898	3.22887	4.18167
LOC145845	4.56813	4.35457	4.27926	4.15067	4.71735	4.15597	4.29496	4.45382	4.20185
RASGRP1	7.87623	8.52477	7.77702	7.1969	7.3144	7.87525	8.23648	6.12252	7.48248
FSIP1	5.15225	4.58132	5.27084	5.15916	5.78343	5.43549	5.25183	5.05532	5.36609
GPR176	6.03665	5.18693	5.89507	5.99575	5.88681	5.04543	6.60859	6.37432	6.49934
SRP14	8.58666	8.59189	8.51361	8.70254	8.24602	8.65739	9.02703	8.59706	8.78563

C15orf56	6.61254	6.64011	6.90548	7.76961	7.73149	8.34557	7.63054	7.8614	7.85895
ANKRD63	6.94444	7.25324	6.93972	8.11801	8.10166	8.39439	7.94262	8.03183	7.96404
C15orf52	6.41304	6.54384	6.36477	6.75192	6.44298	7.18971	7.03712	6.8863	6.66344
c15orf57	7.22203	7.20786	7.44897	5.93554	6.1245	5.94511	6.32149	6.28467	6.40363
MRPL42P5	5.17194	6.0859	5.47223	3.82298	4.47442	4.35219	3.78335	3.82905	3.88619
RAD51-AS1	6.2851	6.17777	5.74852	5.49903	4.90005	5.96244	5.44722	5.31609	5.10723
rhov	8.00741	7.82418	7.58914	8.11611	6.89086	8.76965	8.82798	7.94514	7.91953
INO80	8.90609	8.83104	8.8634	7.67127	7.06582	7.21941	8.19388	7.34981	8.17189
EXD1	4.93046	5.05754	4.47912	5.07227	6.24156	4.87574	4.62078	5.09579	4.98754
OIP5	5.58505	5.11838	4.99274	6.18932	4.97412	5.64584	5.58758	5.24271	5.05513
LTK	5.71313	5.7303	5.63533	5.8999	6.40445	6.15233	6.04615	6.14909	6.01543
RPAP1	7.46636	7.16256	7.32323	7.28919	6.24873	7.05801	7.62753	6.5331	6.68976
MIR4310	4.78558	4.76529	5.46608	4.93391	4.99263	5.45056	4.99822	4.71133	5.49571
EHD4	8.61901	8.52713	8.27464	9.0217	7.64917	10.1403	9.27536	9.83944	9.59225
VPS39	9.94747	10.0904	9.90617	9.02364	6.77399	8.53199	9.05703	8.78365	8.95374
MIR627	2.64498	2.83566	2.57279	2.70139	2.26666	2.96934	3.04902	2.87467	2.63612
TMEM87A	9.26598	9.30299	9.40428	9.33893	6.27332	9.16948	8.87685	9.29236	9.65178
ZNF106	8.31148	8.33958	8.69726	7.59347	6.1252	6.91765	7.76167	7.94692	7.28088
LRRC57	7.77708	7.85633	7.65536	7.65795	6.41064	7.27539	8.09054	7.64961	7.72697
CDAN1	6.86595	6.84774	6.95147	6.74155	7.07401	6.77588	6.67652	6.77574	6.95317
TTBK2	7.94681	7.50106	7.53463	7.3412	6.69744	6.46954	7.26432	7.73948	7.07506
UBR1	8.51878	8.59421	8.51069	8.12207	5.65682	7.1154	8.28119	8.47284	8.43444
EPB42	5.88453	5.92672	5.95627	6.1891	6.86993	5.95134	6.05319	6.1188	6.21887
TGM5	9.76032	9.92994	9.78636	8.9913	8.35482	10.1369	9.40747	10.4627	9.44663
TGM7	4.55515	5.03418	5.28391	5.84182	5.63257	5.66427	5.55262	5.73292	5.35905
lcmt2	7.09882	7.04458	7.30799	7.30696	6.57954	6.95587	7.55962	6.66361	7.15908

ZSCAN29	7.06852	6.99812	6.96868	6.51316	6.16726	6.47503	7.32847	6.36877	6.80914
TP53BP1	7.62047	7.71883	7.53303	7.24778	6.42242	6.44727	7.16142	7.12827	6.73125
PPIP5K1	8.64519	8.6323	8.40625	8.07257	8.3696	7.2209	8.21675	7.71996	7.97377
STRC	6.28169	6.10158	6.13807	6.19597	7.45076	6.14841	6.04115	6.12338	6.05665
ELL3	7.84823	7.40587	6.80122	6.72229	6.31484	6.48725	6.95463	6.70168	6.59719
SERINC4	5.3093	5.41086	5.08745	5.66444	6.00612	5.59812	5.51266	5.4003	5.33281
MFAP1	7.28807	7.42328	7.20767	7.56024	5.91654	7.94484	7.57515	7.15131	7.56628
FRMD5	5.31722	5.41589	5.51586	5.50504	6.32118	5.63735	5.56407	5.28628	5.1938
EIF3J-AS1	7.55413	7.55219	7.3021	6.31389	5.61675	5.38638	6.62106	5.7264	6.72338
SPG11	9.40241	9.31696	9.04114	7.6828	5.80326	7.37719	8.34854	7.58029	7.95918
PATL2	5.43375	5.86022	5.61636	5.78005	6.35994	5.85587	5.20117	5.91699	5.74109
DUOX2	6.68638	6.79932	6.20918	6.79104	6.46783	7.0847	6.48405	6.53284	6.95115
DUOXA1	10.6252	10.0807	9.9588	10.373	8.65463	10.5734	10.3388	10.4502	10.9703
SHF	6.34944	6.22421	6.36984	6.71637	5.96227	6.38937	6.50078	6.40706	6.60053
GATM	8.78876	7.51382	7.67354	6.95209	5.30959	6.31885	7.35808	5.31011	5.35142
MYEF2	6.12851	5.88544	6.26984	4.89186	6.02356	4.67332	4.60717	5.323	4.89132
FBN1	8.7012	8.20214	9.41255	7.2203	6.48556	6.74589	7.82053	6.9745	7.01267
CEP152	5.89543	6.06591	5.58413	5.41554	5.26715	5.17708	5.30446	5.99132	5.02782
SECISBP2L	8.79512	9.35836	8.83497	8.11671	6.5241	7.71134	7.99886	8.60248	8.50812
COPS2	11.0649	10.6756	11.165	10.2027	9.94462	10.2557	10.7586	10.7034	10.3694
HDC	5.73672	5.05964	6.13107	5.576	5.74826	6.00839	5.45213	5.42247	5.38123
USP50	6.0985	5.78062	5.99395	4.92037	5.80143	5.04454	4.88717	4.50801	5.06433
DMXL2	7.73965	8.08626	8.03009	6.94989	6.01634	6.22439	6.80637	6.50443	7.04257
BCL2L10	7.8993	7.52391	7.11579	8.10672	5.91068	7.22423	8.61515	5.22136	6.40519
MYO5C	8.22477	8.18078	8.17818	6.35251	5.78121	7.28019	7.10321	6.63587	7.14553
MIR1266	5.85426	5.17159	5.48645	5.35791	6.10467	5.95837	5.6228	5.53598	5.37886

ONECUT1	4.57695	4.6209	4.50982	5.00745	5.34237	5.02716	4.65248	4.81507	4.78765
WDR72	5.56896	5.5004	7.06966	5.04732	5.56327	5.07415	4.67454	4.92156	5.18309
RSL24D1	8.44252	8.96676	8.91255	8.74678	7.46487	8.80698	9.11911	8.48695	8.66149
DYX1C1-CCPG1	6.52802	6.41651	6.61832	5.62241	5.59393	5.2109	6.01454	5.13011	5.78551
MIR628	4.29409	4.75159	4.88425	3.56383	3.1359	3.78446	3.2099	3.26874	3.50397
PYGO1	6.09657	6.07578	6.17566	5.7607	5.31516	4.8679	6.10687	5.88821	5.78183
PRTG	5.68827	5.47855	5.70956	5.84928	6.07645	5.91611	6.02604	6.01917	5.81413
MNS1	7.24002	6.94862	7.23335	5.56073	5.29352	5.61087	6.09298	5.6173	5.74293
ZNF280D	8.28849	8.14318	8.43333	6.24469	5.36854	5.20543	6.94041	5.83213	6.01837
LOC145783	7.29366	7.03013	7.27031	6.38771	6.79302	5.72548	6.78229	6.30616	6.50603
ADAM10	9.74373	9.79308	9.63737	9.78084	6.78717	9.91067	10.162	10.1171	10.122
MYO1E	9.27107	9.19098	9.06547	9.63643	8.34133	10.2361	9.77239	10.8553	10.4624
MIR2116	5.9551	5.41722	5.35532	5.57929	3.99481	4.40051	5.09003	6.79286	6.77118
ANXA2	9.36843	8.18045	8.67733	8.13807	6.83569	7.81959	8.1618	9.57632	9.39973
ice2	8.63023	8.51396	8.50571	7.85058	6.24065	6.66085	7.91401	6.92611	7.19848
RORA	8.3829	8.71894	8.29599	7.27484	7.84901	7.67432	7.04891	7.69489	7.10713
VPS13C	8.62858	8.62583	8.67554	7.31633	5.14613	6.74963	7.97806	7.34021	7.37571
C2CD4B	7.27623	5.27388	5.41223	6.0789	5.75579	5.52704	6.34879	6.23842	5.59598
RPS27L	5.71686	6.1784	6.14187	5.78993	5.65866	5.55916	5.90721	5.58922	5.49042
CA12	10.6974	10.136	10.3529	9.70048	8.30231	9.67255	9.77696	9.15722	9.44282
USP3-AS1	5.78643	5.71897	5.66982	6.00211	5.88975	6.195	5.80934	6.15483	5.78832
MIR422A	6.61532	6.53326	6.83321	6.93763	7.61392	7.09108	6.84559	7.01398	6.941
DAPK2	7.3376	6.99628	7.24887	6.03422	6.42754	6.87065	6.28123	6.33531	5.84821
PPIB	10.9526	10.7947	11.1611	11.3991	10.0815	11.1002	11.1362	10.5726	11.245
KIAA0101	6.48405	6.2887	6.12165	7.67781	6.10666	6.93798	6.85045	6.46356	6.69595
OAZ2	7.33278	7.24781	7.08499	6.70638	6.11632	6.78072	7.26588	7.53361	6.70999

RBPMS2	6.72499	6.74094	6.59762	6.68509	6.80071	6.51378	6.44869	6.41911	6.53784
MIR1272	3.36519	3.35121	3.27667	3.12698	3.50952	2.98809	3.38675	3.1882	3.06864
PIF1	5.89383	5.88145	5.69905	6.06499	5.92794	6.50804	6.11964	6.24369	6.12774
MTFMT	7.4402	7.65433	7.38372	6.97568	5.92163	6.13712	7.63378	6.6475	6.80673
UBAP1L	6.01427	6.10331	6.174	5.36604	6.07266	6.19805	6.04764	6.40477	6.48465
PDCD7	7.29715	7.48669	7.47972	7.14123	7.27861	7.16046	7.31182	7.13265	6.91908
CLPX	8.25418	8.79421	8.3898	8.30983	5.48949	8.57678	8.70173	8.11326	8.7312
DPP8	8.27944	8.32085	8.69791	7.28938	5.4671	7.17598	7.94367	7.66256	7.58026
VWA9	9.0874	8.8154	9.21219	8.44642	6.54267	7.32755	8.51882	7.305	7.95585
DENND4A	8.64963	8.62074	8.76949	7.66625	6.4488	6.48136	7.82964	7.67946	7.51743
MIR4511	3.18316	3.04144	3.08097	3.05949	3.1573	3.07782	2.94979	3.01604	3.29956
MEGF11	5.44496	5.32053	5.56035	5.76638	6.30826	5.80826	5.47327	5.51239	5.6693
TIPIN	5.68856	6.04616	5.66416	6.37554	4.61758	5.80094	6.41242	5.30735	5.7473
SCARNA14	4.63635	5.04297	4.39011	5.98429	4.69264	5.44106	5.26128	4.71674	4.16085
LCTL	4.42502	4.54967	4.24825	5.58887	4.69217	5.38995	5.18398	5.08515	4.93265
AAGAB	7.04401	6.95822	6.82504	7.56146	5.49372	6.74279	7.65167	7.04227	7.40297
IQCH-AS1	5.98488	5.52158	5.98863	5.94422	5.86095	5.81735	5.66791	5.86724	5.45001
CALML4	6.36016	6.65069	6.6056	5.67912	5.71786	4.97352	6.00448	5.35583	5.07096
MIR4312	6.46942	6.21789	6.49047	6.52977	6.96556	7.17627	6.85913	6.35146	6.80201
ANP32A-IT1	6.65464	6.93916	7.1532	6.09915	6.24425	6.29951	5.95352	6.71048	6.2667
UACA	9.035	8.82231	8.73063	8.00184	6.28513	7.37304	8.08967	8.53151	8.09297
THAP10	6.01493	5.92325	6.30504	6.16933	5.39927	5.64055	5.82289	5.77689	5.70074
CT62	5.24376	4.96592	4.99756	5.44466	6.25653	5.37355	5.54001	5.52938	5.18852
MYO9A	8.99825	9.09891	8.87287	8.05476	5.90205	8.09628	8.32074	8.12374	8.61326
GRAMD2	6.64518	6.58774	6.48795	6.72814	6.64599	6.6742	6.6392	6.32045	6.39298
HEXA	7.92031	7.9423	8.12492	7.463	6.53212	6.50968	7.48279	7.08198	6.89085

ADPGK	7.99481	7.9709	7.92625	7.28453	6.66064	6.78624	7.49102	6.7209	7.24072
HCN4	6.64018	6.99509	7.10978	7.33492	7.62123	7.57423	7.19161	7.53805	7.42737
NPTN	10.0805	10.2534	10.2926	10.3849	8.80144	9.86013	10.3964	10.5067	10.4223
STOML1	6.23248	6.50684	6.4585	6.89221	7.1535	6.94348	6.92379	6.78589	6.82774
LOC283731	5.24992	5.42412	5.46215	6.18712	6.2887	6.31977	5.91986	5.96541	6.02172
STRA6	5.9881	5.75695	6.04297	6.52514	6.34993	6.55094	5.94936	6.3887	6.39658
UBL7	9.46348	9.69389	9.27017	9.60148	8.16825	8.3811	9.34879	8.50531	9.03828
EDC3	7.329	7.95734	6.94795	7.29529	6.76762	7.33225	7.61239	7.01546	7.48189
MIR4513	5.17475	4.85869	5.02525	5.7332	4.93047	6.18836	6.31517	6.03912	5.67578
ULK3	8.87408	8.92395	8.7052	8.43692	6.84717	9.05558	8.75417	8.22924	8.50052
SCAMP2	8.70631	8.56941	8.42343	9.13259	7.55845	9.33941	9.3992	8.52086	9.58366
Cox5a	9.68019	9.49577	9.82973	10.8235	10.1005	10.6876	10.7552	10.0474	10.1316
rpp25	7.31173	7.24069	7.28444	6.93297	7.11377	6.67531	7.26	6.81061	6.56302
MIR631	6.84655	6.75707	7.01415	6.86092	7.70999	6.95539	6.7173	6.90234	6.8657
SIN3A	9.71749	9.71032	9.72736	8.65744	7.10384	7.95109	9.04939	8.76691	8.46015
SNUPN	7.45454	7.26755	7.25658	6.90884	5.18102	6.32804	7.0665	6.29366	6.31475
CSPG4	6.87473	7.16174	6.96184	7.61116	6.99906	7.33739	7.84053	7.91459	7.78863
DNM1P35	5.56236	5.95342	5.81375	6.17801	6.59057	6.00459	6.15229	7.06384	6.50412
NRG4	6.59707	5.24615	5.23449	5.34921	5.05252	5.27265	5.53843	5.34266	4.92901
TYRO3P	6.61946	6.75081	6.1668	5.51168	4.65657	5.35629	5.85768	5.36183	5.50098
SCAPER	9.17286	9.35141	8.82557	7.90817	6.74104	9.16356	9.11277	8.20801	8.89738
PEAK1	8.57038	8.77444	8.56282	7.56269	5.67587	7.12597	7.84261	7.55859	8.22009
LINC00597	6.25852	6.18538	6.17008	4.85969	4.43399	4.19688	4.87172	5.66521	6.31317
LINGO1	5.61791	5.59191	5.86229	6.12954	6.5484	6.2241	5.73466	6.06844	6.0161
LOC91450	6.41483	6.19359	6.26654	6.58639	7.05282	6.68394	6.47694	6.73568	7.01216
CIB2	6.80172	6.58057	6.3105	8.04865	7.33584	8.06615	8.28445	7.95835	8.24344

acsbg1	6.63306	6.26693	6.07301	5.91448	5.42023	6.43987	5.81844	6.47571	6.36715
WDR61	6.89755	7.11651	6.97718	6.93551	6.30111	6.49327	7.12441	5.9525	6.17883
CTSH	7.18227	6.19103	6.89287	6.36347	5.37999	4.92874	6.04408	5.33237	5.62612
RASGRF1	5.65674	5.58154	5.68703	6.07587	5.99688	6.28524	5.44152	6.07696	6.07098
ANKRD34C-AS1	4.3783	4.6927	4.76218	5.16612	6.30305	5.40964	4.31068	5.14896	4.90083
BCL2A1	6.21019	5.76899	5.75506	5.89775	5.93284	8.43005	6.93839	7.64326	7.49462
LINC00927	4.32683	4.26257	4.44207	4.6443	5.4962	4.43298	4.2973	4.366	4.71071
MIR549A	3.07258	3.60321	2.98169	3.46794	3.19334	3.53503	3.04072	2.58692	2.98488
MESDC2	7.37505	7.33921	7.62279	6.59126	6.69656	6.79536	6.56965	7.23775	6.89977
STARD5	10.0331	9.83612	9.24048	9.1055	8.60704	8.33961	8.74242	9.1447	8.9064
TMC3	5.52036	5.76225	5.47907	5.87768	6.74899	6.25872	5.76649	5.84367	6.01951
EFL1	6.51169	6.42916	6.09716	6.38615	4.98163	7.16517	6.92105	7.28335	7.43846
GOLGA6L10	7.92704	8.01837	8.02029	6.97633	7.88279	7.67295	7.0866	8.0847	7.88892
RPS17	7.09527	6.96747	7.00034	7.18232	6.85791	7.0827	6.89154	6.49949	6.70706
CPEB1	5.92458	6.30474	6.3261	6.32373	6.40577	6.24973	6.06843	6.35313	6.19519
LOC338963	5.37561	5.39968	5.42619	6.10178	7.01249	5.71662	5.57567	6.07978	5.69696
FSD2	5.17475	4.97503	5.26584	5.47825	5.43561	5.65474	5.12359	5.46258	5.20484
HOMER2	9.41037	9.19167	9.23719	8.91955	7.5356	10.0862	9.702	10.174	10.5422
C15orf40	7.61817	7.85724	7.81593	7.53508	6.80151	6.67129	7.90171	7.20478	7.18246
BTBD1	8.23641	7.95337	8.49489	8.07018	5.16565	8.29652	8.8419	7.83582	7.76879
BNC1	8.86253	8.14641	8.87378	9.41117	6.54094	9.15583	9.90586	8.6097	9.54643
DNM1P41	6.90518	6.88027	6.78125	6.82303	8.50879	6.8298	7.05067	6.76713	7.27018
UBE2Q2P1	6.44287	5.77465	6.02227	5.68794	5.20933	5.6497	5.51609	5.60267	6.0889
WDR73	6.67492	6.39301	6.64277	6.00894	5.71826	5.82668	6.53758	6.05698	6.17042
NMB	5.83176	5.97027	5.95325	7.71652	5.44584	7.17155	8.4502	7.03355	6.89916
SEC11A	7.21582	7.54534	7.43582	7.82406	6.25281	7.39931	7.80697	7.20061	7.25107

KLHL25	6.56656	6.69937	6.28044	7.00202	6.25036	6.91574	6.66206	6.6914	6.62165
MIR1276	4.50378	4.20245	4.06687	3.66678	3.65261	3.00364	4.77268	3.94837	4.23906
MRPL46	7.86839	7.88276	7.93804	7.42547	6.31349	6.5781	7.94878	7.14805	7.26641
DET1	7.0879	7.48541	7.23379	6.14325	6.37333	6.04729	6.31355	6.05396	5.98563
HAPLN3	7.28479	6.90048	7.03289	7.07484	6.34447	7.03038	7.04358	6.93607	7.30849
MFGE8	8.71329	8.36546	8.63161	8.28281	7.31631	9.01385	8.68403	9.14537	9.60946
RLBP1	5.01078	5.31353	5.23891	5.62531	5.78226	5.88716	5.62274	5.80292	5.57929
LINC00928	5.18971	5.47826	5.06967	5.52444	6.42917	5.52451	5.6534	5.22545	5.29958
KIF7	6.40517	6.52152	6.76139	6.93747	6.71488	7.27267	6.82586	6.73582	6.8875
PLIN1	5.7445	6.17913	7.10197	5.87692	6.56467	6.04207	5.85896	5.9007	6.07605
PEX11A	5.94762	5.90688	5.86084	6.11836	5.68367	6.44744	5.91693	6.05598	6.27827
MESP1	7.52698	7.24974	7.48572	8.01153	8.33717	7.63694	7.22014	7.7625	7.57081
ANPEP	7.61982	7.47948	8.47683	7.50688	6.82832	7.33371	7.82106	8.35166	8.38285
CIB1	7.28945	6.3969	6.97869	7.71392	5.69019	7.52084	8.02945	7.61871	7.34769
HDDC3	7.0148	7.01111	6.97258	6.95862	7.12328	7.5049	6.97813	6.71791	6.98128
PRC1	7.99371	7.59786	7.51713	8.33041	6.7437	7.28167	7.7996	7.27622	7.24493
VPS33B	7.55168	7.40337	7.49886	6.83759	6.2707	6.8805	7.36334	7.25951	7.26945
LINC00930	4.47897	4.61698	4.54287	5.67766	5.52602	5.75556	5.62577	4.99514	5.12774
LINC01197	6.25566	5.8533	6.33111	5.3366	5.94142	5.05667	5.23214	5.44028	5.55054
LINC00923	2.99411	3.20524	2.63968	3.53574	3.97849	3.29488	3.34184	3.52013	3.2488
PGPEP1L	4.13398	4.40541	4.74122	5.26089	5.3053	5.02657	4.64218	4.91987	4.82868
TTC23	7.95903	8.22131	7.77448	7.03992	6.51153	6.52736	6.83685	6.56429	6.92895
DNM1P46	5.88129	5.94386	6.32163	6.96696	6.9013	7.63022	6.89638	7.16384	6.37591
CERS3	12.0365	11.8352	11.8273	11.3143	11.1061	11.5522	11.4032	11.7517	11.9257
LINS1	7.24259	7.80568	7.41784	6.81578	7.27984	7.68763	7.63034	7.39367	7.75125
CHSY1	8.32959	8.35562	8.31844	7.87997	6.88171	7.28795	7.99635	7.0127	7.4645

SELENOS	6.37976	6.45332	6.4031	7.0106	5.79289	6.97124	6.99351	6.25553	6.75872
SNRPA1	7.88147	7.76245	7.77404	7.1072	6.3165	6.95395	7.25956	7.57678	6.77923
PCSK6	7.23638	7.04185	7.0471	7.6144	7.1791	7.77736	7.61312	7.56206	7.81316
TM2D3	7.60226	7.41519	7.52687	6.89508	6.33356	6.0341	6.8731	7.02594	6.83098
TARSL2	6.20466	6.4382	6.2456	5.27884	5.077	5.44443	5.93933	6.59927	5.29408
DDX11L9	6.15143	6.38149	6.38746	6.83029	8.50558	6.92374	7.01438	6.80702	7.08676
DDX11L10	6.25841	5.89578	6.7553	6.29069	9.38304	6.39004	6.93315	6.75043	6.97282
SNRNP25	6.66134	6.37495	6.27152	7.42573	6.91301	7.13449	7.81095	6.1645	6.38725
MPG	5.92916	6.0353	5.9516	6.52171	6.70712	7.10268	6.39405	6.42812	6.4768
FAM234A	7.16799	7.34161	7.48096	7.71612	6.742	6.80148	7.7206	7.1178	7.21382
ARHGDIG	5.77818	6.1372	6.04108	6.56604	6.82367	7.20526	6.58123	6.48624	6.46867
LOC100134368	5.24963	5.3317	5.50441	6.09809	5.83198	6.95788	5.9529	6.88873	6.4084
NME4	7.00697	6.77208	6.96712	7.74316	7.29907	7.10949	7.5565	7.27899	6.85155
RAB11FIP3	6.87841	6.88703	6.44166	6.89232	6.70032	7.03741	6.96005	7.14371	6.93872
CAPN15	7.507	7.17095	7.54088	7.75723	7.31467	8.53223	8.04041	7.41898	7.49414
PRR35	6.82481	7.0307	6.84742	7.49909	7.51218	7.97464	7.32706	7.84695	7.30164
MSLN	6.19539	6.5174	6.43999	7.33328	6.78412	7.53565	6.77047	6.94145	7.07214
WDR90	6.83892	6.87374	6.87727	7.05216	7.0087	7.0589	6.8121	6.83351	6.85962
RHOT2	7.94295	7.78119	7.76017	8.47578	7.3365	8.69127	8.2646	7.89444	7.901
HAGHL	6.68224	6.53073	6.68606	7.29353	6.80505	7.56487	6.91074	6.95984	7.1051
MIR662	6.18996	6.64116	6.38728	7.43149	7.39058	7.4135	7.17684	7.30348	7.04428
PRR25	6.5041	6.61539	6.64532	7.24134	6.83844	7.67108	7.02361	7.2595	6.88226
SOX8	6.55789	6.659	6.67087	7.43541	6.52202	7.06585	6.973	6.91994	7.22576
SSTR5	6.36184	6.49397	6.58206	6.93663	7.04364	7.5398	6.70747	6.90487	6.85329
Tpsab1	5.95753	4.95082	5.54784	6.23614	6.11526	6.14862	6.0742	5.99657	6.44423
TPSD1	6.18336	5.80534	6.46052	6.93313	6.93057	7.10602	6.49741	6.59381	6.69894

UBE2I	6.69131	6.71198	6.75216	7.47629	6.6941	7.296	7.64183	7.23924	6.92723
BAIAP3	6.66691	6.36137	6.57968	6.85886	7.37541	7.04232	6.75651	7.01757	7.08257
TMEM204	8.01373	7.48974	8.55561	7.53583	6.22347	7.05815	7.59711	7.64968	8.07621
HN1L	8.43352	7.8771	8.01375	9.12226	7.33214	8.48404	9.2655	8.7044	9.07739
MAPK8IP3	8.03846	7.73042	7.78742	7.55118	7.79518	8.2125	8.28408	8.83906	7.99017
MIR3177	4.26107	3.74843	4.23854	4.80819	4.12265	5.16651	4.52926	4.98723	4.69908
EME2	7.79271	7.76851	7.79738	8.20667	8.94341	8.37841	7.89498	8.32467	8.56489
NUBP2	7.11935	6.83477	7.32861	7.945	6.84734	7.77827	8.10629	7.29724	7.33909
FAHD1	7.09767	7.10084	6.90619	7.11279	6.49317	7.00413	7.64218	6.78802	6.8375
rnf151	6.38592	6.50835	6.42662	7.66808	7.53114	7.59235	6.88542	7.0231	6.90215
TBL3	7.24504	7.19935	7.15135	7.67538	6.95868	7.72945	8.02956	7.39464	7.58459
SYNGR3	6.59729	6.54121	6.73614	7.75609	7.22046	7.49889	7.19511	7.46992	7.03464
NPW	6.6633	6.71766	6.86268	7.57618	6.72692	7.8046	7.2166	7.5031	7.36512
TSC2	7.90388	7.79253	7.7626	7.98134	7.2211	7.98793	8.12093	8.09413	8.01576
MIR4516	7.28434	7.26176	7.32856	7.7934	9.54189	7.51612	7.44272	8.64891	7.28864
E4F1	6.81028	6.96358	6.63042	6.81917	6.61756	7.56	7.29891	7.25122	6.83623
DNASE1L2	7.12369	7.44872	6.79265	7.63249	7.16078	7.39738	7.20001	7.34975	7.01267
MIR4717	4.75042	4.66928	4.82054	5.78943	4.54177	5.81839	5.78707	5.34422	8.75045
CCNF	6.92106	6.75249	6.24757	6.94681	6.53054	8.05143	7.29705	7.9089	7.01872
c16orf59	5.94382	5.98246	5.77621	6.91152	6.4098	7.04023	6.53286	6.55087	6.29311
NTN3	6.15306	5.90821	6.07305	6.96266	6.14545	6.97969	6.8013	6.63678	6.68979
AMDHD2	7.92121	7.82005	7.68157	8.01392	7.60486	7.97892	7.97379	7.90823	7.82827
PDPK1	8.39568	7.96418	8.07845	7.01931	6.97699	7.25213	7.37796	7.97003	7.55647
LOC652276	7.19924	7.15377	7.27694	7.14399	7.08945	7.85203	7.44381	8.04398	7.38593
FLJ42627	6.74491	6.69162	6.4868	6.23332	5.61717	5.6259	6.43734	6.69454	7.02355
KCTD5	8.75985	8.6119	8.68488	9.40087	8.53007	9.96147	9.69078	9.92416	9.87579

SRRM2	11.2164	11.0606	11.0612	10.2139	8.57346	9.92798	10.4209	10.2275	10.5097
ZG16B	9.54011	6.3384	6.98205	6.39018	6.37438	5.90301	5.86162	5.79253	5.27277
FLYWCH2	7.8108	7.50717	7.79614	8.49829	7.79218	7.94448	8.63107	7.91472	7.65157
FLYWCH1	7.62161	7.34899	7.73445	7.60512	7.42358	7.6828	7.4767	7.72431	7.78992
KREMEN2	6.74596	6.99413	6.86917	7.54104	7.38911	7.75574	7.17283	7.2567	7.48215
PAQR4	7.41158	6.62284	7.35944	7.84282	7.23859	7.88862	8.18258	8.12514	7.62975
LINC00514	5.50645	5.72628	5.8674	6.40321	5.89834	6.56296	6.16146	6.11844	6.19801
CLDN9	6.04346	6.03449	6.34159	6.53334	6.89283	7.12431	6.21885	6.70144	6.56187
thoc6	8.53296	8.22649	8.43613	8.87577	7.27269	7.7965	8.96923	7.9076	7.89992
LOC100128770	5.17756	5.21312	5.59217	6.10519	5.53625	5.49149	5.35672	5.55375	5.79514
MMP25	5.05686	5.43927	5.47592	6.08321	5.55219	6.4198	6.18826	6.18166	6.07758
IL32	6.21478	6.1079	6.25553	6.33059	6.42973	6.55553	6.46591	6.66766	6.55634
ZNF205	5.70395	5.43147	5.61381	5.49174	5.69635	6.60309	5.5652	6.09079	5.90303
ZNF213	6.62196	6.48274	6.47842	6.87841	6.73428	7.26728	6.85927	6.79086	6.9205
LINC00921	6.24987	6.05796	6.65844	5.55913	5.98325	6.28937	6.0018	6.04184	5.882
ZNF263	7.1108	6.59942	6.89193	6.36154	5.98175	6.52191	6.79671	6.39675	6.3049
ZNF75A	8.34039	8.30234	8.12301	7.05497	6.55027	7.20564	7.36927	6.42861	7.05723
ZNF174	7.2404	7.40667	7.05683	6.14462	6.25954	6.05476	6.82926	5.70477	6.15853
CLUAP1	6.05835	6.15191	6.28181	5.10918	5.55855	5.03239	5.48531	5.00634	5.01923
DNASE1	6.24043	5.97616	6.02896	5.83804	5.69475	6.40404	5.98209	6.04996	6.02771
GLIS2	6.83061	6.49557	6.95523	6.94819	6.64567	7.3127	7.1311	7.12615	6.98573
VASN	6.4961	6.48345	6.55956	7.44462	6.19226	8.43224	7.297	8.45891	7.55922
HMOX2	7.86191	7.54674	7.71673	8.71614	8.61276	9.83438	9.30094	9.96682	9.78297
C16orf96	5.37209	5.35267	5.11053	5.23998	5.45743	5.92601	5.85591	5.56268	5.53342
NUDT16L1	7.40766	7.18709	7.32017	7.68451	7.7772	7.89338	7.46491	7.70526	7.72387
C16orf71	5.29582	5.59029	5.33687	6.06678	6.41758	6.31049	5.59039	6.00478	5.99881

SMIM22	5.25089	5.30408	5.35936	6.20965	5.30572	5.40102	5.70561	5.37209	5.4145
UBN1	7.93799	7.80424	7.95028	7.81116	6.8955	7.74555	7.87837	8.40395	7.78872
SEC14L5	5.91998	5.87122	6.05144	6.52317	7.27971	7.02684	5.97026	6.85038	6.5698
METTL22	7.88379	7.88972	7.84672	7.50747	6.29754	8.50574	7.40642	7.43054	7.11553
ABAT	6.32329	6.26834	6.37934	5.9092	6.3805	6.30507	6.33552	6.80343	6.09904
PMM2	8.00587	7.70757	8.14561	7.67626	5.45679	7.38766	8.12262	7.83714	8.14714
C16orf72	8.70496	8.50448	8.51069	8.99498	7.12128	9.40019	9.03272	9.4409	9.57305
atf7ip2	5.69242	6.37305	6.93464	5.51741	5.43954	5.76044	6.1306	5.59194	5.42693
EMP2	6.75584	6.67918	7.0184	8.19244	5.39335	6.67498	9.15437	6.2764	6.02781
NUBP1	7.61959	7.22444	7.54742	8.08069	6.41314	7.36407	8.21845	6.94084	7.48091
SNN	7.53957	7.19591	7.24778	7.99283	7.04165	7.04517	8.50765	7.1344	7.66761
SNX29	9.45014	9.04868	9.12078	8.71587	7.94286	8.85399	9.1217	9.44484	9.33825
MIR4718	4.6686	4.83532	4.71737	4.59346	5.44982	4.0776	4.37112	4.69338	5.52489
SHISA9	5.98565	8.75729	7.37481	7.61386	6.73448	6.76894	6.46413	6.56806	6.70205
MKL2	10.3823	10.4268	10.4691	7.9822	6.39242	7.35954	8.41674	7.99438	8.49926
mir193b	6.13256	6.03798	5.90935	6.72303	6.67883	7.13706	6.43419	6.39657	6.61628
MIR365A	6.44794	6.41412	6.50362	6.36074	9.23779	6.17612	5.28843	6.47997	7.04211
BFAR	7.96061	7.81743	8.13142	7.86732	5.76617	6.58581	7.88771	7.00142	7.20079
NPIPA1	10.3635	9.98596	10.1625	8.35207	8.9628	7.89197	8.40938	7.88715	8.19356
nomo1	9.51389	9.24115	9.79007	9.31447	7.23497	8.85655	9.45864	9.11955	9.23431
MIR3670-1	6.92986	6.58528	6.85404	6.92488	9.27842	6.89905	6.63344	7.33868	7.21073
PDXDC1	8.30509	7.76009	7.86142	7.65464	8.05917	7.21543	7.62844	8.00547	7.82759
MPV17L	5.85229	5.59119	7.3251	5.73313	5.49874	5.84174	5.66178	5.43959	5.82176
c16orf45	6.45013	6.58622	6.56644	6.4839	5.96464	6.49109	6.21447	6.42723	6.39667
NDE1	8.94149	8.06602	8.7529	8.25681	5.9261	8.63367	8.51087	8.91537	8.43968
nomo3	11.0203	10.8634	11.0924	11.0494	9.40268	10.4858	10.7658	10.6718	10.7595

MIR3179-1	4.60814	5.01069	4.97518	4.99623	5.71811	5.1169	5.35007	5.094	4.90745
TMC7	6.86454	6.06383	6.35178	7.16924	6.58912	7.75926	7.63647	8.54157	8.74741
syt17	7.38236	7.439	6.58021	6.37865	6.38329	6.11892	6.12169	5.97198	6.00843
TMC5	6.52283	5.4793	5.45917	5.81005	6.13323	5.56466	6.19807	5.65833	5.65512
CCP110	8.05587	8.22045	8.27561	6.97843	5.11093	6.3012	7.89685	7.31592	6.52556
c16orf62	8.20601	7.99966	8.14327	8.27338	6.58933	7.63228	8.18924	7.633	8.39355
IQCK	8.20288	7.7951	8.52466	7.48707	6.45563	6.88554	7.92049	6.58036	7.14786
ACSM5	5.86672	6.05135	6.58722	6.0856	7.25862	6.44653	6.15507	6.33436	6.4407
ACSM2A	3.20218	4.63256	4.37402	4.62255	5.36733	5.07134	3.50038	4.79609	4.57165
acsm3	6.09246	6.21557	5.94758	5.08867	4.92464	4.59356	5.08877	4.45799	4.79756
LOC81691	6.48638	6.36711	6.31163	6.05987	6.27178	6.24302	6.05023	6.10763	6.16438
LYRM1	7.88239	7.92126	7.80609	7.91577	7.98696	9.07281	8.45324	8.419	8.25628
TMEM159	8.18086	7.72744	7.9093	7.30721	7.83634	8.90539	8.27431	8.92731	7.88506
ANKS4B	5.9576	5.89038	5.66589	6.49746	7.79027	6.49929	5.50153	6.48918	5.84151
CRYM-AS1	6.27712	6.1501	6.84154	6.01578	5.36018	6.14672	6.71789	6.1486	5.97443
SNX29P1	6.71252	6.61916	6.7107	6.74765	5.70558	6.82802	6.88185	7.16052	6.75138
NPIP3	8.58216	9.10515	8.93562	10.3917	10.8855	9.63704	9.6304	9.83547	9.81907
METTL9	10.0224	10.0766	9.79292	9.95886	9.05446	9.94258	10.3162	10.0347	10.108
OTOA	4.59129	4.6863	4.64774	5.36512	5.51016	5.18644	5.07207	4.79987	5.13754
Uqcrc2	11.1093	10.8624	11.3366	10.8768	9.14596	10.3982	10.9559	10.5449	10.5544
c16orf52	6.46795	7.1129	6.77729	6.27905	5.19966	5.93781	6.61494	6.87523	6.796
VWA3A	5.99539	6.13291	5.81923	6.33011	6.13488	5.90408	5.9115	6.05858	5.99361
EEF2K	9.05008	9.60332	9.63888	7.16137	5.24566	6.66371	8.0425	6.18439	6.21617
POLR3E	8.01607	7.99929	7.87856	8.13778	6.43503	7.47316	8.44366	6.93875	7.36804
LOC100190986	11.8542	11.5656	11.8666	9.17798	10.3264	7.43824	8.4769	10.6433	10.8978
LOC653786	4.94451	5.52598	5.58775	5.7509	6.58317	5.55934	5.56371	5.03659	5.70123

HS3ST2	5.12258	5.38603	5.90303	6.00493	6.05305	5.79677	5.5333	5.7825	5.61467
UBFD1	8.02165	7.89267	8.01406	7.63177	6.34789	6.49139	7.51402	7.15887	7.0649
DCTN5	10.3146	10.2761	10.147	10.1751	8.49575	9.35251	10.1219	9.78745	10.3621
PLK1	7.43674	6.60415	6.9922	7.88968	6.76164	7.00104	7.77782	7.55116	7.03322
CHP2	9.40969	8.41626	7.999	7.27771	5.46352	7.24132	6.68617	6.79219	6.29425
RBBP6	10.3475	10.2355	10.0182	9.03747	8.32187	10.0825	9.20573	9.48015	10.0638
TNRC6A	8.56505	9.13963	8.89515	7.62046	6.19207	6.87959	7.39025	7.833	7.53225
LOC554206	5.28073	5.51127	5.14935	5.00742	4.32215	5.1933	5.92767	5.5498	5.24327
LCMT1	9.44502	8.9618	9.21106	9.113	7.7219	9.28151	9.80802	9.6149	9.65913
AQP8	5.7088	5.30067	5.64627	6.03265	5.98501	6.24643	5.49881	5.94977	5.69586
HS3ST4	6.48506	6.89287	6.83893	6.98296	6.75457	6.79986	6.67109	6.80694	6.62879
MIR548W	2.25989	2.76625	2.42446	2.45006	2.5457	2.49443	2.09412	1.92636	2.02118
C16orf82	5.37788	5.16822	5.18483	5.88253	5.65279	5.44759	5.18683	5.75693	5.56505
KDM8	6.58493	6.2295	6.61561	6.59887	6.86362	6.63275	6.68658	6.53587	6.45195
FLJ21408	4.35692	4.48073	4.52035	4.81563	5.69535	4.79305	4.68528	4.56371	4.45439
IL4R	8.69595	7.61444	8.1767	9.3625	7.99288	9.4388	10.0004	9.5694	10.1744
IL21R	5.02072	5.363	5.11772	5.96625	5.81038	6.1876	5.67023	5.7106	5.51321
KIAA0556	7.72885	7.66465	7.56621	7.51405	6.33466	7.69011	7.698	7.64856	7.60359
SBK1	6.15898	6.25663	5.97512	5.41007	5.4959	6.15096	5.94916	6.04339	5.89958
APOBR	5.89437	5.78972	6.28299	6.13635	6.28405	6.71315	6.56554	6.55434	6.82747
SGF29	7.98314	7.97051	7.98533	8.18262	6.95914	7.37244	7.88511	7.02356	7.19216
ATXN2L	8.58852	8.21225	8.66434	8.466	6.59301	8.73859	8.68642	8.78822	8.8799
SH2B1	7.17795	6.70964	6.77113	6.76629	5.73639	6.74225	6.85017	6.46815	6.4599
CD19	5.12895	5.3577	5.43529	5.72694	6.05721	6.03109	5.98985	5.65576	5.84426
SPNS1	8.24095	8.04007	8.1211	8.56451	7.56943	8.24848	9.024	8.29749	7.98723
LAT	6.64042	6.72675	6.52241	6.25345	6.30671	6.46043	6.518	6.51864	6.48596

RRN3P2	6.13252	6.53636	6.2223	6.58388	7.46146	7.26541	6.78189	6.59255	6.89666
SNX29P2	6.73919	6.92935	6.85584	7.05801	7.32678	6.98044	6.65685	7.247	7.128
SPN	5.75973	5.97116	6.09218	5.37762	6.86578	5.44971	6.58129	5.80676	5.807
QPRT	5.88197	5.91126	5.85261	6.21205	6.02042	5.98113	5.68944	6.19274	5.77676
ZG16	4.74815	4.65752	4.90345	5.15936	6.22916	5.54833	5.1134	5.34747	5.45043
KIF22	8.48246	8.2472	8.73351	7.81958	6.83103	7.67415	7.88576	7.25408	7.71407
MAZ	8.15503	7.46818	8.20604	8.51594	7.69475	8.44254	8.7685	7.928	7.75483
PRRT2	5.1281	5.20237	5.36898	5.56248	5.76371	5.31629	5.08204	5.24339	5.07463
PAGR1	6.57035	6.798	6.66764	6.67117	6.10321	6.97727	6.9465	6.60529	6.53817
MVP	7.18727	6.93723	7.02978	7.878	6.52105	7.64462	8.34133	7.35574	7.81756
CDIPT-AS1	5.26497	5.43235	5.07738	6.08143	5.96894	6.59369	6.53654	6.11754	6.19926
ASPHD1	5.88114	5.76093	5.79003	6.47925	6.93429	6.68469	6.35649	6.27865	6.14423
TMEM219	7.78439	7.92386	7.67783	7.39653	6.81343	7.35304	7.58526	6.92842	7.0566
TAOK2	8.34271	8.09843	8.19431	8.13189	7.00113	7.59224	8.34023	7.72355	7.84624
INO80E	7.43661	7.28146	7.38579	8.43728	7.43918	8.14378	8.23996	7.6808	7.8975
ZNF48	5.90944	6.04119	6.16981	6.79355	6.85244	6.47971	6.27431	6.37063	6.91473
ZNF771	5.28494	5.85337	5.66102	6.47037	5.39781	6.91434	6.32354	6.35234	6.43095
MIR4518	5.97635	6.32803	6.72723	6.22458	8.74204	6.7525	6.13166	7.69798	6.92369
ZNF785	5.03088	5.24222	5.14829	5.73004	5.36511	5.44449	5.69295	5.09647	5.61062
prr14	8.7502	8.46463	8.66411	8.93014	8.30605	8.42935	8.69195	8.39063	8.46463
FBRS	7.98751	7.48751	7.84399	8.44712	7.3115	8.88454	8.31874	7.98901	8.42166
SRCAP	9.07887	8.78183	9.04381	7.95739	6.24837	7.88867	8.62132	7.6507	8.49113
CTF1	6.60058	6.4119	6.45867	7.11611	6.92176	7.02784	6.95245	6.5487	6.70035
FBXL19	7.61151	6.96498	7.12438	7.46571	7.26342	8.14929	7.96051	7.37039	7.74267
ORAI3	7.49146	7.60021	7.39855	7.26739	6.9753	6.88764	7.49669	6.7247	6.56423
SETD1A	6.94851	6.76904	7.04291	6.97919	5.94465	6.38949	7.21552	6.7232	6.65044

STX4	7.7985	7.60156	7.53006	8.19578	7.93968	8.74616	8.76011	8.19131	8.22756
ZNF668	5.73343	5.71076	5.63019	6.81128	5.91901	7.11527	6.4465	6.43606	6.31401
ZNF646	7.12948	7.08084	7.40987	7.65077	6.77272	7.4932	7.57939	7.36464	7.75315
BCKDK	8.44944	8.5563	8.2747	9.65661	9.15211	10.1022	9.62471	8.95743	9.1055
kat8	7.69018	7.67011	7.61771	7.22832	7.21458	7.23586	7.39911	7.29115	6.97029
FUS	9.12589	9.37674	9.176	9.14816	7.58728	9.24624	9.25288	9.58221	8.98741
TRIM72	6.18008	6.26834	6.28782	7.07133	6.75632	7.5603	6.63372	6.71179	6.93478
ARMC5	7.19178	6.14448	6.01713	7.07675	6.21072	7.08733	7.19599	6.54244	7.18441
TGFB111	8.24433	7.36592	8.01277	8.34791	7.25837	7.54003	8.37953	7.2688	7.93059
AHSP	4.48072	4.91333	4.46822	5.05287	5.84625	5.20289	4.91333	4.95736	4.8147
ZNF720	6.64036	6.77436	6.55597	5.42059	5.98122	6.10886	6.34396	6.46106	6.51559
ZNF267	6.78692	6.38042	6.93143	5.96966	4.71052	6.995	6.84071	6.91684	6.29036
TP53TG3	6.00503	6.20023	6.38566	6.5589	8.25501	6.89274	6.48827	6.74941	6.50973
LINC00273	6.11336	6.82019	6.27935	7.79943	7.06936	8.07601	7.23089	7.13674	6.90054
GPT2	7.59128	7.44269	6.93961	7.63592	6.61265	7.95988	7.66441	7.53733	7.8614
CNEP1R1	8.77513	8.75947	8.65053	8.89452	6.71848	8.71334	9.25679	9.43218	9.16629
HEATR3	7.55079	7.52276	7.18902	7.79513	6.37574	7.32774	7.57491	7.05207	7.17932
PAPD5	8.41124	8.65152	8.52328	7.90212	6.12763	7.25243	8.58075	8.96563	8.02825
ADCY7	7.02413	6.92327	6.72823	7.54902	5.39427	8.64222	8.14743	7.9428	8.33783
NKD1	6.58434	7.03514	6.85425	7.00552	6.69043	7.48199	7.00257	7.09691	7.02939
NOD2	7.85244	7.75021	7.88808	7.62951	7.35898	8.73286	8.26557	7.66807	8.37451
CYLD	8.53319	8.85039	8.50175	8.25389	7.00963	8.74725	8.79587	9.4355	8.5274
CHD9	9.8181	10.2788	10.002	8.50185	6.06581	7.82678	8.7627	8.31767	8.46585
RBL2	8.71937	8.61967	8.78208	7.60762	5.92852	6.78178	7.68658	7.87776	7.46675
FTO	9.33701	9.19688	9.28169	8.32636	7.7012	7.64722	8.4249	8.14992	8.04388
IRX5	7.85539	7.94248	7.69351	7.28389	6.82321	7.40808	7.46688	7.3341	7.56385

IRX6	5.75127	5.85467	6.25921	6.12962	6.11298	5.80139	5.12931	5.88663	5.99765
LPCAT2	10.3197	9.80931	10.1521	9.07197	7.58411	8.53983	9.39454	9.5074	9.30338
CES1P2	5.65634	5.54938	5.48139	6.22088	6.56068	6.70547	5.9581	5.78834	6.33632
CES1P1	6.33609	5.97949	5.95425	6.65331	6.86117	6.85088	6.38562	6.7428	6.62033
CES1	6.63565	7.17109	6.80491	6.21111	5.39024	6.65934	6.62417	6.94491	6.59696
MIR3935	7.90351	8.02039	7.58484	8.16686	8.89003	8.15534	8.19659	8.10537	8.36099
OGFOD1	8.85492	9.35212	8.96976	8.6202	6.71035	7.85004	8.89618	8.07092	8.48781
MT4	6.98062	8.81139	7.57409	7.78006	8.45912	7.52203	7.19361	7.95977	7.4562
MT3	5.50033	5.52157	5.3708	5.9506	6.44871	5.98325	6.0414	5.93972	6.15665
MT2A	8.60138	9.16352	10.0951	10.5303	8.1686	10.1185	10.0325	9.90182	9.80076
MT1L	4.88057	4.5605	5.29195	4.99293	5.55141	4.61149	6.31422	4.80128	4.64132
MT1E	7.66516	5.90388	7.01635	7.44724	7.11472	7.16812	7.15466	7.14028	6.98102
Mt1m	6.70465	5.36751	6.90841	5.79107	6.04183	6.06899	7.13719	5.77169	5.197
MT1A	5.44071	4.27157	5.57117	5.40077	5.62168	5.65988	5.41939	4.44455	4.98866
MT1B	4.21362	4.55804	3.98451	4.19962	4.71755	4.07538	3.76246	3.34515	4.29245
Mt1f	8.98559	8.33927	8.79731	9.11511	8.8866	8.80176	8.91232	8.03857	8.04223
MT1H	5.17628	4.85356	6.10288	4.93351	7.78165	5.37661	5.29527	4.25255	5.00306
MT1X	11.5691	11.6659	12.7061	11.6005	10.8591	10.7067	11.9465	11.1734	9.98182
NUP93	8.13669	8.01787	8.13192	8.38198	6.37874	7.34048	8.24211	7.51152	7.71452
Mir138-2	6.07626	6.22238	6.35963	6.45665	6.48674	6.70983	6.76469	6.87912	6.69287
CPNE2	8.26954	7.48818	8.13773	7.94053	6.35409	6.88094	8.1123	7.07065	7.62937
RSPRY1	8.72342	8.7904	8.7364	8.35474	5.84069	7.2873	8.16108	7.59504	7.93451
ARL2BP	10.2603	9.68646	10.4442	10.567	7.84447	9.34781	10.716	9.16599	10.0601
CCL22	6.30233	6.98837	6.84593	6.86188	7.5286	7.74788	6.49461	6.99789	7.11071
CX3CL1	8.03255	8.10485	7.92858	7.78327	7.28641	7.45945	7.56701	7.55877	7.8058
CCL17	5.31433	5.5243	5.41276	5.82632	7.02064	6.66558	5.66358	5.85528	6.0199

COQ9	8.63517	8.42676	8.66714	8.47887	7.19926	8.0886	8.65166	7.71124	8.15475
ADGRG5	5.89251	5.8803	5.99575	6.42832	7.12513	6.25903	5.87026	6.23644	6.03606
ADGRG1	9.73744	9.3945	9.65531	10.0351	8.8653	9.94476	10.184	10.7313	10.1087
ADGRG3	5.55586	5.89165	6.22735	6.41648	6.62085	6.65596	6.42106	6.72403	6.60251
DRC7	5.43714	5.32564	5.40534	6.16418	6.45798	5.63017	5.68711	5.91621	5.75811
KATNB1	8.46073	8.3017	8.26406	8.48465	7.55678	7.89182	8.42181	7.62708	7.65025
USB1	7.5861	6.96972	7.34481	7.8	6.86184	8.0585	8.45898	8.45235	8.4334
MMP15	6.4769	6.38445	6.73307	7.02845	5.68222	6.66531	7.55085	6.69461	6.64715
CCDC113	7.48974	7.09577	7.09794	6.89239	5.75423	6.1495	6.34586	5.30461	5.77413
GINS3	8.24727	7.56914	7.68598	7.47369	6.9221	7.43854	7.92221	6.94504	6.68462
NDRG4	9.5386	9.10168	9.02434	9.67229	8.21189	9.70863	9.77411	9.51036	9.47521
SETD6	7.19966	7.52864	7.36199	7.11928	5.80667	7.10261	7.35645	6.84804	6.94097
LINC00920	6.27847	6.23712	6.3126	6.04082	6.3659	6.40342	6.38882	5.91755	5.67377
Cmtm1	5.63846	6.07973	5.58595	6.03016	5.63401	5.63747	5.90674	5.64014	5.5024
CMTM2	4.6801	5.303	4.92208	5.28479	6.37684	5.47143	4.87431	5.53247	5.17991
CMTM3	7.26233	6.71917	7.37728	7.3127	5.31717	6.09767	6.97373	6.34632	6.60052
CA7	3.23913	3.80908	3.89513	3.80346	4.02883	4.7776	3.87664	4.37221	4.12997
PDP2	6.88084	7.37752	7.19033	6.91479	5.74831	6.62295	6.87807	6.69611	6.92674
CES2	8.1974	8.1777	8.45452	8.92643	7.85722	10.0939	9.42678	9.5512	9.80534
CES3	5.94398	6.19371	6.23992	5.87861	6.3292	6.54932	5.76581	6.2526	6.46932
CES4A	8.87896	9.41276	7.98866	7.31508	5.7341	5.8077	7.14094	5.93384	6.57855
c16orf70	10.9305	10.6832	10.509	9.5676	8.21605	8.0926	9.57634	9.47078	8.94139
FBXL8	6.94875	6.92822	6.84663	7.29977	6.88431	7.31028	7.35808	7.02273	7.03083
HSF4	7.39904	6.85007	6.70938	6.82523	6.83832	6.54747	6.25869	6.51304	6.50189
NOL3	8.1904	7.76057	7.72177	8.22576	7.90522	8.11661	8.00638	7.68758	7.8535
ELMO3	7.08503	7.08659	7.06265	7.3825	6.41238	7.74885	7.73094	7.19643	7.58086

TMEM208	7.8591	7.65089	8.11241	7.28481	6.6699	6.98492	7.45732	7.03738	7.19852
LRRC36	4.19471	5.12953	5.11989	4.97989	5.70964	4.76614	4.12693	4.47982	4.87594
HSD11B2	8.2283	8.0526	9.05243	6.8577	7.25272	7.10635	7.89735	7.35704	7.48985
CTCF	8.87122	9.14584	8.91075	8.42745	6.08425	8.28982	8.76113	7.8021	8.28756
PARD6A	6.318	6.29948	6.47474	7.18575	7.0315	7.25886	7.06424	6.99113	7.14554
C16orf86	6.03685	6.49331	6.22124	6.44288	6.3056	7.09792	6.06378	6.80217	6.69797
TSNAXIP1	5.3064	5.19241	4.86899	5.39758	5.15502	5.46964	5.31822	5.63253	5.27902
THAP11	8.31382	8.02575	8.12406	8.36898	7.07115	8.27376	8.49528	8.07419	8.09953
NUTF2	6.15335	5.33512	5.80963	6.74237	5.96423	6.27014	7.27259	5.96386	6.56511
EDC4	8.33588	8.16902	8.20058	7.80198	6.84255	7.56801	8.12374	7.7626	7.91877
NRN1L	6.58511	6.67251	6.55018	6.60005	7.12396	7.04778	6.70501	7.10141	6.74192
PSKH1	7.11167	7.08211	7.04499	7.63105	6.45783	7.5697	7.75738	7.24847	7.46331
PRMT7	6.79196	6.82762	6.40627	6.5268	5.91151	6.476	6.30469	6.2827	6.30198
ZFP90	8.15272	8.11368	7.96996	6.82627	5.29738	5.87138	7.65824	6.08177	6.86257
TANGO6	7.2347	7.30774	7.22749	6.78347	5.76976	6.33013	6.85185	6.04525	6.48325
HAS3	7.29272	7.10934	6.63705	9.00613	7.03644	8.20886	8.98128	8.54323	8.4969
VPS4A	8.39104	8.56474	8.65134	8.36784	6.70629	8.34414	8.87209	8.46201	8.58939
NIP7	8.85588	8.88165	8.93577	9.43927	7.02864	8.66017	9.47501	8.53101	9.06695
CYB5B	9.16259	9.37052	9.25968	9.44677	7.03523	8.69922	9.48249	8.98564	9.14553
WWP2	7.96039	7.85449	8.17051	7.45672	6.41542	7.75507	7.75721	8.02719	7.85408
mir140	3.87345	4.22653	3.96045	4.50551	3.93155	4.9928	4.52535	4.0533	4.24743
MIR1972-1	5.68352	5.72141	6.84821	4.66836	4.44293	4.77095	4.49592	5.83574	4.92315
PDPR	8.24691	7.358	7.84397	6.36657	6.87331	6.65709	7.38366	5.96959	6.63703
DDX19B	8.7345	8.8465	8.65797	8.45269	6.1802	8.43666	8.59846	8.46735	8.44273
DDX19A	8.29681	8.76162	8.32817	8.02697	6.68347	7.61291	8.46916	7.65761	7.67855
FUK	6.75737	6.64494	6.79002	6.73521	6.86477	7.04428	7.32269	6.81709	6.80269

IL34	8.31189	7.529	7.7441	7.18138	6.95107	6.3827	6.40234	6.66734	6.71501
VAC14-AS1	6.36989	6.55675	6.79141	7.3798	7.78488	7.53301	7.51509	7.18226	7.07995
CALB2	5.2607	5.6288	6.02493	7.91779	6.89094	8.30351	8.46265	10.039	9.63283
CHST4	4.84568	5.34989	4.89373	5.567	5.62717	5.33195	5.35558	5.66867	5.39224
MARVELD3	6.33292	5.99009	6.00969	7.02503	4.81358	6.70798	6.90166	6.16006	6.90532
ATXN1L	8.74656	8.81312	8.76929	8.14541	6.58179	8.44476	8.62796	7.89241	8.58594
IST1	8.87903	8.61259	8.71742	8.06285	7.00285	8.50313	8.16354	8.78804	8.86106
DHODH	6.44137	6.57827	6.79945	6.47988	6.72559	6.43962	6.3832	6.26112	5.93773
HP	5.26381	5.29594	5.16868	4.75712	5.41701	5.28937	5.1144	5.49829	5.37357
HPR	4.41897	4.04341	4.22382	4.46625	5.37276	5.06489	4.35691	4.56857	5.29042
DHX38	7.49509	7.71739	7.67972	7.83269	6.03807	7.94151	8.04044	7.35913	7.70604
HCCAT5	5.57043	5.97443	5.86164	6.53092	7.77647	6.89593	6.33786	6.51896	6.66569
LINC01568	4.61736	4.51306	4.60139	5.54795	6.80657	5.25123	4.93231	5.14448	5.14609
ZFP1	7.11854	7.46117	6.73851	6.79307	4.59587	5.83059	6.64522	5.65055	5.72091
CTRB1	5.55881	5.59746	5.70474	6.58607	6.52996	6.31038	6.08302	5.98551	6.23773
CHST6	5.61841	5.65001	6.15733	6.64647	6.81204	6.27659	6.18597	6.50666	6.1923
GABARAPL2	10.1414	9.74144	9.58233	10.2062	10.5637	10.8726	10.5103	11.2995	10.4327
CNTNAP4	3.92289	4.10474	3.99103	4.01961	5.12157	4.7053	4.10707	4.41713	4.19782
MON1B	7.604	7.16574	7.56038	7.59769	5.58835	7.01997	8.02215	7.3446	7.65511
SYCE1L	5.00523	4.28556	5.01089	5.32208	4.85323	5.7415	5.56717	4.9511	5.20142
NUDT7	8.02386	8.13265	8.07073	7.30692	6.80143	7.22138	7.6744	6.69592	6.64741
VAT1L	4.99749	4.76628	5.03807	5.78537	6.29572	5.79914	5.51435	5.52536	5.54235
WVOX	7.34644	7.11709	7.22347	6.86296	7.26968	7.27486	7.18689	6.79619	6.7446
CENPN	6.48575	5.96256	6.22056	7.27874	5.44464	5.73931	6.81397	6.22329	6.52803
ATMIN	10.583	10.5665	10.6882	10.1472	9.05659	10.0765	10.3298	10.2854	10.3609
GAN	10.5997	11.3086	10.7126	9.05044	6.90168	8.33845	9.18264	8.69399	9.10481

MIR4720	6.10018	5.30638	5.93168	5.37477	2.09371	4.57681	5.47572	4.73707	5.0316
CMIP	9.34258	9.51052	9.23817	9.74412	8.91962	10.9863	10.2277	10.7346	10.7013
LOC100129617	7.54454	7.33777	6.9334	6.81198	6.41528	6.7072	6.09106	8.89394	8.75948
HSD17B2	5.9693	7.1049	5.47305	5.79481	5.90932	6.09173	5.98899	5.88616	5.89233
MIR3182	7.41735	8.45586	7.69035	7.62013	7.84498	8.09426	7.10194	7.48527	7.35466
HSBP1	8.28867	8.07706	8.19267	9.12361	7.29375	9.56868	9.77327	9.71381	9.57774
MLYCD	6.77914	6.71752	6.87618	6.34002	6.32257	6.21347	6.69414	6.49201	6.28685
OSGIN1	6.64697	6.64173	6.42769	7.33327	7.19796	7.62059	7.33692	7.01754	7.18921
NECAB2	6.08688	6.00259	6.08016	6.55281	6.45918	6.68356	6.11251	6.49103	6.6187
ADAD2	5.36959	5.69283	5.5882	6.42228	6.08197	6.38422	6.26215	6.45358	6.37647
WFDC1	6.19496	5.9286	5.79813	6.66363	6.57214	6.40073	6.59835	6.64033	6.54777
KLHL36	8.05714	8.1591	8.23476	7.74865	6.70151	8.06868	8.31318	7.95901	8.19557
CRISPLD2	8.15837	7.89061	8.93171	8.62419	7.30079	9.22906	9.19017	9.37657	10.023
KIAA0513	7.36651	7.75628	7.19118	8.00226	6.65441	7.35223	7.84288	7.93017	7.50237
LOC400548	6.03982	5.97956	6.18245	6.55572	7.22116	6.45663	6.3431	6.42114	6.45894
GSE1	7.78624	7.89473	7.60319	7.95966	7.81928	9.20279	7.72637	8.05067	8.20203
Cox4I1	12.0414	11.9948	12.2345	11.7241	10.6722	11.7823	12.023	11.4333	11.7096
IRF8	6.73558	6.17452	7.29684	7.03803	6.53798	6.66938	6.86973	6.34056	6.63478
LOC146513	5.11334	5.69692	5.42307	5.85238	6.14238	5.54428	5.63997	5.59386	5.56067
FOXF1	6.35584	6.36418	6.64948	6.81947	7.21408	6.77958	6.94605	7.03524	6.83159
FLJ30679	6.18536	6.02973	5.89038	6.61765	6.74026	6.91974	6.21368	6.41885	6.01019
FOXL1	4.90876	5.53039	5.75232	6.05205	5.42755	5.95549	6.1681	5.82177	5.73094
MAP1LC3B	7.96775	6.99773	7.36735	7.12054	7.27909	7.94615	7.61268	8.41468	7.33792
JPH3	5.27169	5.49009	5.40709	5.86689	5.7351	6.01839	5.61879	5.74791	5.8752
BANP	6.59847	6.84039	6.79322	6.81719	7.10758	7.31396	6.56799	7.3075	6.805
ZNF469	5.91032	5.79684	6.17728	6.53903	6.80926	6.51522	6.21678	6.73394	6.5771

ZC3H18	7.9836	7.6512	7.67088	8.12666	5.85073	7.59265	7.97624	7.52627	7.40606
IL17C	5.89676	6.15742	6.1322	6.64207	6.40415	6.92824	7.20776	6.37668	6.59376
SNAI3-AS1	5.63528	5.2584	5.4843	5.93574	6.35729	6.24439	5.56754	5.98313	5.82749
CTU2	6.89219	6.50694	6.61197	7.13151	6.8291	7.40869	7.16719	7.17455	7.13216
CDT1	6.65629	6.37303	6.55415	7.52357	6.25367	7.63342	7.18811	7.15554	6.94393
TRAPPC2L	7.63843	8.31953	7.79873	8.64983	7.71129	8.98452	8.5524	7.5466	7.62639
ACSF3	6.54001	6.71708	6.83657	7.05265	6.92542	6.83935	6.88056	6.69716	6.7444
LINC00304	5.64624	5.8618	5.68289	5.889	6.86834	5.53304	5.9171	5.75524	5.91065
LOC400558	6.56062	6.60552	6.81819	7.6158	7.99866	7.79843	7.15226	7.21612	7.39151
ZNF778	5.97071	5.88651	5.97999	5.79047	5.60629	5.7738	5.96789	5.62985	5.55832
LOC100287036	5.67739	5.66416	5.72072	6.27944	6.63327	6.23129	6.03529	6.00836	5.59624
SPG7	8.55886	8.01526	8.34464	7.41633	6.59776	7.24205	7.50606	7.87304	7.37236
CPNE7	5.9904	6.19674	6.45779	6.63776	6.86322	6.70817	6.55157	6.69077	6.53361
DPEP1	6.12465	6.02575	6.04002	6.84363	6.58444	6.73434	6.17167	6.7684	6.76058
CDK10	6.90108	6.64368	6.3616	6.58089	5.98221	6.09598	6.62999	6.12451	6.00541
VPS9D1-AS1	6.21708	6.04719	6.45107	6.83708	6.4353	6.59388	6.35391	6.33272	6.29596
ZNF276	7.25989	7.61229	7.5759	7.24205	6.29654	7.72828	7.34632	7.25856	7.10807
SPIRE2	6.58795	6.59948	6.4341	6.71648	6.86405	6.82676	6.71293	6.58469	6.87702
TCF25	8.59968	8.68952	8.47552	8.85811	6.84484	8.70445	9.133	7.98458	8.22359
MC1R	6.38074	6.2887	6.30921	6.317	6.46344	6.61742	6.27625	6.25326	6.18784
DEF8	7.08932	7.34707	7.00293	7.63015	6.96175	7.77852	7.65214	7.29789	7.5948
GAS8	7.14317	6.9999	6.99749	6.99645	6.70274	7.34846	7.26148	6.9315	7.01049
RHBDF1	7.86524	7.90028	7.87729	7.96082	6.57447	8.50212	8.00135	8.34406	8.17584
NPRL3	7.68303	7.12042	7.38743	7.23389	6.89325	6.72988	7.57965	6.88051	6.96684
LUC7L	8.31919	7.97345	7.85692	6.84223	5.139	6.11181	6.86475	6.12459	6.68981
RGS11	6.24713	6.30398	6.00053	6.32638	5.96483	6.66486	6.55797	6.10911	6.68586

AXIN1	6.66592	6.38499	6.68333	7.26563	6.80595	7.14252	7.41144	7.11669	7.11905
MRPL28	6.9958	6.82435	7.07562	7.31714	6.29215	7.10258	7.27809	7.13075	7.50219
TMEM8A	7.25575	6.90493	7.26547	8.08932	7.63748	8.13046	8.04187	7.86249	7.73537
LINC00235	4.16498	4.12912	4.17728	4.69408	4.29231	4.68806	4.39068	4.63135	4.59484
METTL26	7.7617	7.75442	8.09227	8.08045	7.52794	7.78514	8.16675	7.51631	7.78334
JMJD8	8.44907	8.3737	8.5354	8.94832	7.30418	8.49319	9.03732	7.69509	8.65314
WDR24	6.86953	6.8331	6.96336	7.30004	6.39577	6.91681	7.27051	6.8424	6.89176
FBXL16	5.97557	6.07431	5.68691	6.54633	5.76161	6.69699	6.23285	6.07556	5.91654
CCDC78	6.24454	6.14513	6.05615	6.53666	6.83328	6.63335	6.38864	6.76953	6.62724
NARFL	6.54893	6.74369	6.61213	6.82832	5.34884	6.65674	7.10782	6.58898	6.61905
RPUSD1	6.56295	6.66497	6.35181	6.87918	5.9928	6.33078	7.17804	6.84898	6.41437
LMF1	7.28372	6.98342	7.18304	7.33562	6.22881	6.61986	7.32392	6.45547	6.597
SSTR5-AS1	5.33153	5.21496	4.80761	5.97153	5.29474	6.01025	5.67408	5.34024	5.40943
C1QTNF8	6.01822	6.10008	6.51515	6.59224	6.28089	7.36734	6.32307	6.62175	6.74225
TPSG1	5.73067	5.79681	6.13493	6.54806	6.6679	6.4913	6.17685	6.78862	6.53807
TPSB2	9.25754	8.52304	8.03501	7.41523	8.26448	8.32615	10.245	7.81333	8.70673
UNKL	6.87988	6.52244	6.83237	6.96126	6.86462	7.33939	6.69028	7.05758	7.19444
C16orf91	6.67613	6.8438	7.03847	7.44611	7.73273	7.78515	7.37594	7.33939	7.37648
CCDC154	6.02782	5.84529	5.97296	7.05707	6.42063	6.89907	6.65027	6.85418	6.81772
IFT140	6.89174	6.84897	6.802	6.79184	6.40852	6.62036	6.95503	6.86452	6.59385
NME3	7.28041	7.03273	7.31241	7.687	6.70053	8.05186	8.25155	7.83225	7.41887
MRPS34	8.34422	8.20223	8.25144	8.58477	6.61505	8.47491	8.8292	8.13965	8.3286
SPSB3	8.24192	8.20522	8.0239	8.04811	7.50731	8.04341	8.3005	8.98797	8.03335
HAGH	8.93602	9.05765	8.88453	9.13072	8.23476	9.44438	9.20901	9.51205	9.0128
MEIOB	3.36584	3.5523	3.54488	3.88627	3.98338	3.73376	3.66401	3.52269	3.634
LINC00254	3.63778	3.82916	3.60827	3.65908	4.47247	4.2422	3.9001	3.82086	3.70829

HS3ST6	7.99737	8.23694	7.55576	8.34578	5.72592	6.56299	6.67741	6.13109	5.36549
MSRB1	7.09063	6.98828	6.86792	7.24007	5.75103	7.49201	7.77291	6.98779	7.16814
RPL3L	5.53017	5.86907	5.75346	6.60837	6.15042	6.30001	5.97629	6.14243	6.30638
NOXO1	6.4375	6.68623	6.43057	7.42718	6.95058	7.60293	7.17259	7.24147	7.18216
ZNF598	7.5351	7.04545	7.32199	7.81265	7.33808	8.40627	8.37738	8.35957	8.17282
nthl1	6.3104	6.30436	6.42245	6.61093	6.67241	7.12784	6.86089	7.07423	7.12018
PKD1	7.35688	7.5284	7.48265	7.00554	7.32183	7.6615	7.00089	7.64285	7.09779
MIR3180-4	7.20438	7.75934	7.34008	7.68169	7.65179	8.47264	7.77325	8.17652	7.86898
CASKIN1	6.19206	6.44947	6.41364	7.03094	6.5934	7.82482	6.88964	7.21688	6.82891
BRICD5	6.53572	6.58042	6.60367	7.18261	7.02286	7.54203	7.10869	7.16429	6.95338
PGP	7.46695	7.30376	7.45592	7.85237	6.46721	7.75778	8.34432	7.43293	7.5601
ECI1	7.32009	7.67373	7.61548	8.1075	7.48557	8.70521	8.38374	8.33332	8.33056
CEMP1	7.46991	7.45	7.44147	7.16813	8.25668	7.6755	7.15843	7.44941	7.29603
MIR3178	6.73481	7.04769	6.88852	7.59116	7.88052	7.76011	7.51484	7.10727	7.53737
SRRM2-AS1	5.2417	4.96937	5.00008	5.51309	5.08489	5.82422	5.00729	4.98799	5.2563
CLDN6	4.72716	4.76121	4.44858	5.61734	5.8715	5.76303	5.3015	5.65308	5.40538
HCFC1R1	7.75134	7.9199	7.63574	8.30312	8.03944	8.05128	8.56557	7.85931	7.98646
BICDL2	7.74927	7.56715	7.62909	7.93816	7.2391	8.57856	8.09865	8.06478	8.01295
ZSCAN10	6.24544	6.15778	6.21487	6.80188	7.18782	6.8299	6.63086	6.42233	6.61315
ZNF205-AS1	5.61179	5.92576	5.74144	5.93535	6.88544	5.95891	5.95653	5.86549	6.07353
ZNF200	6.07239	6.32164	6.32774	6.60033	6.42883	6.40069	6.74675	6.39459	6.62108
MEFV	4.55768	5.0587	5.02125	6.17226	5.67841	6.47498	6.15178	5.91941	5.87809
TIGD7	4.7028	4.70171	4.65891	4.27145	4.58676	4.56787	4.77229	4.20426	4.503
MTRNR2L4	3.3697	3.72275	4.00545	3.57615	3.66266	3.90813	3.44188	3.17362	3.52993
ZSCAN32	6.80877	7.28438	7.06712	7.06335	7.06965	6.69748	6.90695	6.76028	6.91895
ZNF597	6.85549	7.34561	7.49212	6.7549	6.23678	6.34037	7.23678	6.75805	6.8517

C16orf90	6.30187	6.27089	6.27241	6.97351	7.20992	7.27001	6.82373	6.89683	6.80015
SLX4	6.31486	6.09709	6.19153	6.35995	6.39765	6.2566	6.41485	6.37263	6.361
TRAP1	8.54593	8.28268	9.00256	8.4203	5.70949	8.05853	9.03226	7.39587	7.92791
CREBBP	10.5463	10.4341	10.398	9.09469	7.07842	9.42222	9.42418	8.50373	9.63505
ADCY9	7.50672	7.2712	7.06588	7.36266	6.47353	7.53237	7.51813	7.33935	7.5329
SRL	5.13936	5.36582	5.31575	6.33411	6.0349	6.16544	5.58001	6.23641	6.00937
LINC01569	4.67637	4.57513	4.85332	4.28679	5.82437	4.72424	4.72945	4.4068	4.58782
TFAP4	7.12138	7.4596	7.44527	7.24671	6.57155	6.98595	7.50134	6.78209	7.01699
CORO7-PAM16	6.8141	6.82657	6.78848	7.45978	6.89986	7.57618	7.41063	7.12069	7.32457
NMRAL1	8.40198	8.22457	8.01291	8.95581	8.16997	9.73951	9.49189	10.0231	9.28897
CDIP1	6.89699	6.90716	6.73	7.07397	6.81586	7.68697	7.26933	8.03537	7.20211
ANKS3	7.0614	7.04774	6.94162	7.66374	7.65868	7.54497	7.26002	7.2778	7.29268
ZNF500	7.52786	7.1051	7.34499	7.04872	7.62484	7.03433	7.08943	7.40702	6.77925
44451	5.49322	5.43452	5.7896	5.96239	5.77958	6.16873	5.6687	5.84929	6.13849
ROGDI	7.02923	6.63933	6.5437	7.32709	6.42919	7.34551	7.17748	7.35851	7.4137
GLYR1	9.66196	9.03828	9.58527	8.45506	7.22281	8.20867	8.72836	9.06071	9.09753
PPL	10.0841	9.83659	9.72056	10.2585	8.30624	11.2464	10.4437	11.2649	10.6861
NAGPA	6.55788	6.7715	6.52636	6.90189	5.96115	6.81707	7.12935	6.45891	6.48619
C16orf89	5.67678	5.82035	5.99603	6.08957	6.41148	6.17403	5.89242	6.13462	5.9356
TMEM114	5.84453	6.16931	5.9994	6.35492	7.03202	6.89554	6.38021	6.46497	6.49099
TMEM186	6.16243	6.35887	6.23488	6.13277	5.67037	6.14169	6.16439	6.19642	6.25598
USP7	10.2554	10.4413	10.0808	9.93303	7.11179	9.75831	10.077	9.724	9.92724
TEKT5	5.19348	5.44375	5.03924	5.78796	5.89833	5.41182	4.98789	5.231	5.67417
DEXI	7.86582	8.0326	8.04046	9.00692	7.49422	8.52965	9.51003	8.25152	8.23592
SOCS1	5.97848	5.63171	5.76538	7.36176	5.7239	8.34215	6.60939	7.39115	7.03751
TNP2	4.40899	4.27035	4.43719	4.9001	4.81305	4.56413	4.3958	4.50217	4.67502

PRM3	5.99736	6.21092	6.12724	6.67516	6.75422	7.02252	7.05693	6.71493	6.67924
PRM2	6.1347	6.11676	5.93635	6.88206	6.29057	6.85472	6.78038	6.64983	6.69563
PRM1	4.57286	4.8028	4.65237	5.01931	6.46476	5.83251	5.11734	4.87487	5.22415
MIR548H2	7.10847	6.98786	7.23326	5.24724	9.40689	6.2675	6.41159	6.90095	5.68215
LITAF	9.0525	8.94446	9.02339	9.26156	8.14049	9.06261	9.62093	9.50562	9.59872
TXNDC11	8.30826	7.99803	8.3317	8.63505	7.12962	7.73838	8.82663	8.43301	8.55512
ZC3H7A	8.91808	8.9837	8.88326	8.18068	5.98049	7.28374	8.66916	8.30934	8.21321
BCAR4	5.70138	5.24515	5.65925	5.72231	6.81517	6.23271	5.65015	5.89581	5.85546
RSL1D1	10.4947	10.253	10.6405	8.69325	5.50248	8.34765	9.64349	8.29062	8.70696
GSPT1	9.35619	9.29462	9.63396	9.43361	7.28518	9.23856	9.66439	9.39857	9.85743
CPPED1	8.43451	8.47361	8.92586	8.46898	6.64584	8.20663	8.84311	7.48046	7.98344
PARN	9.00438	9.29872	9.05807	8.49542	6.50589	7.65867	8.66867	7.92533	7.89513
NTAN1	8.69232	8.26033	8.47384	9.56819	8.21481	9.72614	9.91531	9.90499	9.75862
RRN3	8.17818	7.99625	7.69282	8.29082	6.18232	7.04734	8.24571	6.82863	7.62215
KIAA0430	9.17229	9.34819	9.18984	8.17569	6.77474	7.86282	8.28891	9.23824	8.44971
FOPNL	9.56079	9.57092	9.7086	9.23585	6.7969	8.38806	9.44123	8.72963	8.56815
XYLT1	9.07793	8.58064	8.84854	8.26848	7.72626	9.64353	9.07223	8.92313	9.1701
NOMO2	11.0433	10.9011	11.1164	11.0613	9.74795	10.5091	10.8019	10.7545	10.7758
rps15a	6.76983	6.67188	6.7205	6.94349	6.08201	7.74065	6.95217	7.30543	7.10197
ARL6IP1	11.1117	10.9435	11.0086	11.3805	9.983	11.2139	11.1538	10.8684	11.2305
GDE1	9.55523	9.14356	9.53769	9.49459	7.45428	8.33785	9.35608	10.1273	8.92555
KNOP1	7.02631	7.39834	6.86273	7.05503	6.52294	6.63305	7.89072	6.36278	6.49472
GPR139	5.44601	5.61436	5.74758	5.88861	6.94797	6.35659	6.09799	6.03899	5.74979
GP2	5.2131	5.43706	5.52473	5.81898	6.8292	5.62236	5.74986	5.61609	5.75433
UMOD	5.93498	6.12539	5.94178	6.40951	7.11962	7.00325	6.46748	6.09371	6.65564
ACSM2B	4.36381	4.21736	4.14407	5.04202	6.19844	4.71463	5.30311	4.41058	4.47661

ACSM1	5.2122	5.27938	5.33439	5.31788	6.52781	5.63065	5.4806	5.33659	5.44897
THUMPD1	7.64197	7.80876	7.69442	7.0201	6.06108	6.71773	7.32854	7.06625	6.95822
ERI2	8.33659	7.3888	7.57965	7.07179	5.67246	6.52957	7.10263	6.21004	7.13191
ZP2	4.26966	4.33165	3.81802	4.24302	5.54617	4.81646	4.54565	4.51528	4.75287
RRN3P1	4.75699	3.89164	5.31866	4.76276	4.6445	3.34383	3.59586	4.01238	4.24374
PDZD9	4.44104	4.8235	4.51879	4.71009	5.11946	5.28242	4.50336	4.87207	4.96783
RRN3P3	7.47913	7.3426	7.50546	7.41472	6.58002	6.8302	6.8256	7.11659	7.4012
USP31	9.01851	8.8966	8.91479	8.5579	6.42221	7.21687	8.28384	8.26013	8.16565
COG7	8.1411	8.08441	7.8752	7.75552	6.58875	7.21343	8.04923	7.28643	7.5648
PALB2	8.18275	8.74954	8.55148	8.21962	6.20899	7.0077	8.4383	7.20726	7.59238
ERN2	6.02981	6.17256	5.96424	6.95434	7.20434	6.78176	6.61897	6.66146	6.60399
ARHGAP17	8.75341	8.55122	8.64227	8.27975	6.7448	8.33427	8.77113	9.26954	9.2785
LCMT1-AS2	5.10956	5.10522	5.13101	5.60582	6.32073	5.69399	5.43172	5.94923	5.63795
ZKSCAN2	6.07493	6.42698	6.25536	6.0639	6.45003	6.0812	6.20359	6.13743	5.56405
NSMCE1	7.97399	7.16031	7.67157	8.26532	5.24198	8.07229	8.51039	7.47287	7.85846
IL21R-AS1	4.93658	5.33419	4.8526	5.39453	6.08767	5.47501	5.34017	5.69568	5.41956
GSG1L	6.62223	6.55227	6.08151	6.93181	6.93971	7.17325	6.65371	7.16896	6.57153
XPO6	10.534	10.4691	10.4261	10.1897	7.93108	10.1052	10.4573	9.77654	10.5743
IL27	6.07639	6.06061	6.30056	6.79546	6.83453	6.82373	6.78238	6.4825	6.83383
ATP2A1-AS1	5.5895	5.50972	5.74924	6.12902	6.1346	5.91759	6.06119	5.76568	5.78297
NPIP5	12.7692	12.7989	12.7321	10.3898	11.066	9.6951	9.82095	11.4822	11.8149
LOC388242	6.15794	6.11493	6.21525	6.52459	6.73777	6.33145	5.99702	6.15864	6.19161
C16orf54	6.56548	6.50311	6.60377	7.0889	7.25218	7.6715	7.41625	7.26217	7.01076
CDIPT	8.1721	8.18799	8.21633	8.83913	7.36193	7.8268	9.20613	7.75023	8.24102
SEZ6L2	6.9954	6.75405	6.71585	7.39847	6.6542	6.96874	7.18922	7.04631	7.01799
kctd13	8.7054	8.72932	8.77234	8.89629	8.04915	8.58934	8.54991	8.34221	8.42728

hirip3	6.1185	6.46987	6.2733	6.612	5.67812	6.63662	6.60036	5.63327	5.70521
TBX6	6.04581	5.92405	5.8149	6.06357	6.14403	6.16227	5.85977	6.10688	6.2426
YPEL3	8.45165	8.35343	8.18456	8.81266	8.35743	8.6093	8.8209	8.76695	8.59352
GDPD3	9.8538	9.66979	9.85684	10.1574	10.2	10.4854	10.0454	10.2726	10.713
MAPK3	8.76648	8.70987	8.73356	9.61238	9.29682	10.2367	9.79037	9.96387	10.0586
LOC613038	5.3554	5.07238	5.31595	5.7037	5.90817	5.54739	5.30154	5.22548	5.34171
CD2BP2	7.28687	7.45613	7.31592	7.8686	7.00505	8.43928	7.93024	8.59101	8.24036
44440	6.49646	6.10556	6.50465	6.91933	7.37618	7.13116	6.87677	6.72832	6.78149
DCTPP1	8.16622	7.92221	8.49521	8.41681	6.82358	7.51043	8.21544	7.6053	7.50194
SEPHS2	8.02238	7.75863	8.4002	7.39341	6.61491	7.66333	8.26447	7.71477	7.24076
ZNF768	6.27019	5.92276	6.32368	5.56791	5.53706	5.847	6.24285	5.69666	5.58791
ZNF747	7.44223	7.63525	7.63805	8.16182	8.07728	8.306	7.87088	8.12102	8.14613
ZNF764	6.84863	6.93425	6.79269	6.81763	6.97755	7.12662	6.92544	6.86122	6.85794
ZNF688	6.79835	6.8214	6.77112	6.54217	5.32512	6.37936	6.91287	6.18893	5.82508
ZNF689	5.64905	5.34033	5.85541	5.75478	5.4042	5.74872	5.69374	5.53147	5.7021
LOC730183	7.22204	7.13175	7.08389	6.88432	6.56312	7.07605	6.93053	6.27392	6.79636
CCDC189	5.55447	4.93676	5.53883	5.91098	5.85978	5.49337	5.69394	5.77614	5.24273
ZNF629	6.8143	7.37572	7.10404	7.13409	8.19278	7.64937	7.25197	7.10837	7.21928
BCL7C	7.56004	7.29959	7.86526	7.99424	6.79892	8.17206	8.51707	7.74057	7.65297
MIR4519	8.29522	8.50228	8.59728	9.85732	10.7753	10.0972	9.09995	9.91251	9.32661
FBXL19-AS1	5.18242	5.15528	4.81128	5.31917	5.21656	5.6354	6.09194	5.4326	5.51045
STX1B	6.0491	6.39346	5.68305	5.92083	5.91515	6.20542	5.58827	5.62663	5.77016
pycard	8.87718	9.31567	9.2269	9.11202	7.86462	8.26101	9.56781	7.34788	8.50051
PYDC1	8.17296	6.69367	7.01585	7.77196	6.33077	6.4958	7.53492	5.97612	5.89611
COX6A2	5.64064	5.49176	5.63251	5.79076	6.27505	6.19671	6.31422	5.98923	5.73619
ZNF843	5.74625	5.88099	5.8231	6.49622	6.16305	6.90674	6.0209	6.52058	6.20132

c16orf58	7.99851	8.23367	8.2849	8.1122	6.69251	7.78452	8.38785	7.69945	7.85991
YBX3P1	9.91997	10.027	9.91739	9.87355	8.93849	9.76663	10.0329	9.54653	9.61187
LOC100505948	5.0847	5.5097	5.45167	5.48634	5.85588	5.6596	4.95065	5.57851	5.68115
UBE2MP1	6.24687	6.41425	6.0974	6.98627	5.71028	7.7581	7.92659	6.94738	7.12691
TP53TG3HP	6.33739	6.21989	6.1851	6.9833	7.36363	7.06488	6.62955	6.81195	6.92529
ANKRD26P1	3.47162	3.40883	3.32484	3.89139	3.50504	3.57373	3.84652	3.46913	3.17263
SHCBP1	6.5615	6.43937	5.99159	6.2409	5.55393	5.60419	5.76585	5.49908	5.34559
VPS35	9.89429	9.93721	9.91925	9.85518	7.25891	9.73167	9.96295	9.55736	9.59873
MYLK3	5.56876	5.64585	5.71285	5.91364	6.28001	5.88678	5.62034	6.22974	5.93984
NETO2	9.48154	7.29689	7.78038	9.3235	6.48062	7.87948	9.11873	7.51851	8.45933
ITFG1	9.54307	9.50631	9.60023	8.88063	6.98822	8.39344	8.85817	8.42444	8.45663
SIAH1	8.63371	8.36253	8.05258	8.52345	8.15974	8.51754	8.39394	7.63545	7.527
N4BP1	8.58088	8.45904	8.27585	8.4463	7.20985	8.77447	8.98528	8.34897	8.7987
CBLN1	5.7182	5.83616	5.86481	6.5658	6.29046	6.39598	5.76983	5.93904	5.97903
ZNF423	6.49975	6.59985	6.74413	6.30372	6.40778	6.39772	6.52405	6.45464	6.16752
BRD7	8.26382	8.66866	8.41263	8.06872	6.31801	7.89532	8.31232	7.75311	7.72291
SNX20	5.15981	4.94832	5.50855	5.26042	5.86556	5.59074	5.49534	5.3151	5.29751
SALL1	5.68679	6.25891	5.78614	5.948	6.11451	5.78453	6.1531	5.79377	5.95186
C16orf97	4.98779	4.91399	4.86069	5.22358	6.57892	5.12754	4.75244	5.10852	4.93804
LINC00919	3.13667	3.20504	3.23931	3.90446	4.33474	4.30324	4.14012	3.53496	4.01471
TOX3	6.15352	6.76258	6.10166	5.98203	5.9376	6.22057	5.60586	6.05618	6.07707
CASC16	4.2407	3.87016	3.84484	4.73484	5.10608	4.89603	4.73269	4.19722	4.4713
LOC643802	2.79773	1.94523	2.19192	3.43692	3.6083	3.03982	2.57831	2.95647	2.45178
AKTIP	9.60979	9.7724	9.17125	9.40714	8.08119	8.8247	9.4553	9.58853	9.4916
RPGRIP1L	6.97044	6.71424	6.43021	5.67321	4.49909	4.6364	4.94436	4.93731	4.22752
IRX3	8.45848	8.08299	8.50654	8.92472	7.78123	8.43777	8.6348	7.79589	7.7943

CRNDE	7.98714	7.73694	7.76209	6.78638	5.73154	5.80069	6.95291	6.53852	5.78248
CES5A	5.00364	5.00596	5.07148	5.63487	6.5388	5.8909	5.26203	5.56125	5.15246
LOC283856	6.04409	5.89528	5.9505	6.1674	6.11438	6.32823	5.66994	6.32847	5.93528
NUDT21	10.0947	10.4228	10.3388	9.97669	7.89718	8.96576	9.98633	9.39307	9.42983
BBS2	8.65364	9.48776	9.36831	7.6293	6.21111	6.45363	7.72813	6.61564	7.04899
MT1G	8.92683	6.72088	8.94898	6.3521	5.757	7.38846	7.19627	5.92917	5.80601
PLLP	9.4319	9.79414	9.70242	7.35671	6.2498	6.55297	6.82748	6.20571	6.87584
CIAPIN1	8.93485	9.23552	9.1467	8.98291	6.93067	8.83628	9.49935	8.47289	9.24782
DOK4	8.6519	8.55641	8.32325	8.53787	6.67396	8.6354	9.1978	8.78253	9.45104
CCDC102A	6.60931	6.26651	6.34801	6.74922	6.51369	7.18046	7.02679	6.81543	6.72164
KIFC3	7.37165	7.27739	6.73362	8.48561	6.87937	8.81873	8.17927	8.62733	8.9827
CNGB1	5.81076	5.6863	5.97819	7.05576	6.47826	7.27653	7.31256	6.69797	6.86893
ZNF319	6.57111	6.64743	6.55997	7.68453	6.37156	7.38041	8.31597	6.69699	7.23518
CFAP20	8.51292	8.31268	8.53741	8.32433	7.34168	7.65931	8.51106	9.9947	8.08739
APOOP5	4.43463	4.68209	4.14784	5.52731	5.07013	5.47069	4.65268	5.19097	4.57627
LINC00922	4.83945	4.35666	5.00609	4.7887	6.05382	5.18061	4.94038	4.91435	5.19972
CMTM4	7.90962	7.91355	7.9277	7.28538	6.73965	6.70185	7.73496	6.71515	7.11698
TERB1	4.41358	4.73081	4.60956	4.70951	4.86271	4.31585	4.44669	4.64009	4.3476
NAE1	8.9695	9.41436	9.14372	9.09228	6.37542	7.98188	9.37405	8.20821	8.51182
RRAD	4.8996	5.21017	5.06781	6.16747	4.97651	7.79523	5.92978	6.67289	6.97012
TRADD	7.4574	6.88376	7.07379	7.59505	6.62962	8.16803	8.30658	7.88159	7.55406
KIAA0895L	7.32844	6.97663	7.17339	7.12371	7.00174	7.20628	7.03481	7.07173	7.14346
EXOC3L1	6.34065	6.34391	6.25157	7.08828	6.91486	7.03722	6.80418	7.02672	6.84745
MIR328	7.07845	6.9908	7.41904	7.2884	8.81067	7.64493	6.78837	7.62012	7.21879
LRRC29	6.19927	6.33905	6.23145	6.58955	7.06499	6.73547	6.57112	6.4962	6.36201
FHOD1	7.0311	6.39241	6.71696	7.166	6.04357	6.96833	7.85296	6.92026	7.12391

KCTD19	4.88048	5.18627	5.05344	5.13207	5.53486	5.66042	5.13451	5.49862	5.52636
TPPP3	10.5405	9.09167	10.6426	7.92843	10.2604	10.5124	11.5197	10.8335	10.4555
AGRP	6.07253	5.60013	5.72402	6.21705	6.77693	7.23157	6.11763	6.08866	6.66289
ACD	6.25765	6.63952	6.35358	6.98537	6.40938	6.43556	6.79119	6.64976	6.55357
GFOD2	8.14383	7.51853	7.27541	8.36298	7.17757	9.34963	8.59002	8.63422	8.97677
RANBP10	8.58065	8.10798	8.16099	8.45907	8.59949	8.97531	8.90461	9.30542	8.80582
CENPT	8.70873	7.97487	7.94983	8.22515	7.95158	8.77501	8.21708	8.26458	8.98778
CTRL	6.36203	6.52949	6.4761	6.71888	7.40486	6.72907	6.60255	6.66628	6.67231
LCAT	8.86078	7.82273	7.81971	7.62026	6.44891	7.41757	7.3768	7.70035	7.88994
DPEP3	4.9549	5.08852	5.30096	5.45192	5.73697	6.11844	5.69015	5.84448	5.45618
DPEP2	5.08727	4.76522	5.67546	5.47799	5.73527	5.73527	5.66103	5.91968	5.6894
DDX28	6.10993	5.59482	5.80669	6.94745	5.88803	6.65927	6.71184	6.16822	6.47078
ESRP2	9.41335	9.0761	8.77313	9.24931	7.16176	9.72495	9.39598	8.67412	9.39418
COG8	8.11193	8.03201	7.99477	7.69357	6.20464	7.25382	7.98395	7.03952	7.50164
TMED6	4.79498	5.10412	5.40587	4.73206	5.46078	5.33512	4.89606	5.01496	4.41213
TERF2	8.77531	8.99789	9.00025	8.43918	7.39207	8.08463	8.71245	7.90463	8.18431
MIR1538	8.19059	8.33435	8.84582	8.47363	8.61057	8.52295	8.28292	8.97649	9.04549
NOB1	10.056	10.0212	9.96066	9.0004	7.97583	8.65338	9.39528	8.3221	8.9961
EXOSC6	8.49909	8.27754	8.41264	8.56557	7.43431	7.71802	8.52032	7.38178	8.07042
AARS	9.12811	8.88947	8.78424	9.00417	6.56434	8.90884	9.09857	8.47788	8.82991
LOC100506083	5.37147	6.07267	4.99107	4.15809	4.17857	4.82349	4.42454	4.40929	4.55548
COG4	8.19671	7.88939	8.04956	7.93067	6.60979	8.11129	8.50949	7.66057	7.7608
MTSS1L	8.11267	7.29394	7.3533	7.29742	4.89847	7.008	7.42019	6.7672	6.76425
VAC14	8.43993	8.45106	8.55008	8.29346	7.2924	8.04831	8.6976	7.80983	8.04515
CMTR2	7.57383	7.66319	7.31316	8.35194	6.15379	8.49882	8.63249	7.95881	8.52616
ZNF23	5.91563	6.23747	5.86045	5.52571	4.67862	5.52828	5.04604	5.32489	5.27787

ZNF19	6.29764	6.20544	6.47792	6.18015	5.62386	6.04069	5.90337	5.91019	6.28697
TAT	4.20981	4.10513	4.38083	4.16784	6.03388	4.52783	4.01871	4.71417	4.17225
PHLPP2	6.94808	7.33116	7.08734	6.87693	6.12232	5.86468	6.93164	6.3055	6.75884
ZNF821	6.29325	5.99063	6.02083	5.96774	6.25577	6.11347	6.10145	6.1422	5.68767
PKD1L3	5.86283	5.48775	5.60921	5.21328	6.09217	5.42095	5.22433	5.7613	5.63558
TXNL4B	7.99044	7.8247	7.85164	7.32861	5.986	7.4999	7.85217	7.40251	8.16261
PMFBP1	6.85568	5.15879	5.80422	5.44902	6.77027	6.57007	5.89717	7.44474	7.06492
ZFH3	7.72436	7.76033	7.78229	7.29021	6.85643	7.01324	7.50241	7.6112	7.41407
LOC283922	4.19619	3.84956	4.51298	2.92991	2.89045	2.92161	2.52204	2.99456	3.20115
GLG1	9.32387	9.21174	9.42163	8.91871	6.20789	8.63473	8.88253	9.18928	8.60602
RFWD3	8.68726	8.60623	8.83582	8.14975	6.64853	7.38166	8.02553	7.70965	7.90711
MLKL	7.41838	6.80569	6.95571	6.95258	5.81794	6.70872	7.13849	6.92101	7.0119
FA2H	6.65252	6.33777	7.11535	7.89083	6.50197	7.19959	6.42971	7.09852	6.06319
WDR59	9.1384	9.04742	8.71273	8.05889	7.20021	7.61774	8.04275	7.88557	7.94958
LDHD	7.02675	7.04722	6.87179	7.04189	6.645	7.26595	7.09086	6.97182	7.22115
CTRB2	5.60958	5.28257	5.64699	5.97684	7.06403	5.89362	5.20974	5.90176	6.039
BCAR1	6.65665	6.3908	6.47703	7.33221	6.90811	7.22243	7.58756	6.89019	6.77166
CFDP1	6.62828	6.7831	5.9007	6.51184	5.02148	7.36847	6.93342	6.33006	5.88807
TMEM170A	8.62386	8.53352	8.40005	8.21758	6.68561	7.83799	8.08827	8.45809	8.60681
CHST5	5.44334	5.97843	6.09386	6.48576	6.88045	6.49179	6.39232	6.19918	6.22442
KARS	8.92594	9.09	9.10547	9.348	7.1971	9.16103	9.48354	8.82356	9.05326
MAF	9.71892	9.31412	9.2752	8.79118	7.43081	8.22635	9.79741	7.74631	7.89394
CMC2	10.0611	9.72056	9.89131	10.1798	8.44641	9.03093	9.94925	10.174	9.98446
C16orf46	5.10134	4.75125	4.94956	5.08298	5.38435	4.73353	5.32784	5.38038	5.28709
GCSH	4.91905	3.45935	4.40645	3.3701	3.15341	3.18994	5.03235	4.58825	3.49853
PKD1L2	5.61485	5.8934	6.02436	6.02436	6.47703	6.41528	5.98844	6.15433	6.01091

MPHOSPH6	7.87915	8.14526	7.90758	7.96441	6.18544	8.00086	8.51354	7.63548	7.94355
HSDL1	7.51514	7.34954	7.65303	7.41389	5.20057	7.70954	7.18227	7.63752	6.92889
TLDC1	7.94405	7.46927	7.44338	8.37288	6.30777	8.38362	8.63658	8.27677	8.18001
COTL1	6.93032	6.81851	7.31978	8.25886	7.07093	7.68996	7.76802	7.95134	7.89403
GINS2	6.6268	5.8149	6.78887	6.38244	5.35013	5.66976	6.09325	5.70025	6.11246
C16orf74	7.54976	7.04878	7.14571	8.53859	7.49376	8.02184	8.80712	7.93333	8.32062
MIR1910	8.50093	8.64716	8.53492	9.51063	10.3503	9.60345	8.81265	9.26861	9.32072
EMC8	7.50368	7.61307	7.58153	7.71886	7.21369	7.41015	8.33459	7.62508	7.83566
LINC00917	4.83577	5.13897	5.19802	5.69586	5.76332	5.70518	5.81185	5.3878	5.48945
Fendrr	4.84801	4.6283	4.63477	5.20198	5.89588	5.23746	4.57033	5.04766	4.75989
MTHFSD	7.11187	7.21175	6.9529	6.6271	6.19637	6.79112	6.6264	6.76902	6.56913
C16orf95	6.32439	6.23255	6.28926	6.8987	6.54592	6.69945	6.24512	6.60811	6.41881
KLHDC4	6.40783	6.61593	6.37734	6.7669	6.25559	6.422	6.61077	6.34413	6.48624
MVD	7.32017	7.04176	6.99843	8.13797	7.04	8.59228	8.6901	7.62647	8.26049
SNAI3	6.16786	6.32992	6.36015	6.86369	7.16706	7.39014	6.5721	6.65226	6.65209
RNF166	7.28943	7.15722	7.31094	7.33426	7.04905	7.88681	7.3144	7.39814	7.28385
PIEZO1	8.39586	8.31209	8.21249	9.16125	7.21142	9.57925	9.22775	8.88027	9.57521
APRT	7.95771	7.79216	8.17061	9.2405	6.81823	9.07664	9.64243	7.51411	8.55225
GALNS	7.81786	7.57138	7.69773	8.41509	7.61332	8.46399	8.26523	8.35231	8.22263
ANKRD11	8.18056	8.02817	7.90505	7.23324	5.70871	7.45721	7.49663	7.45517	7.43197
CHMP1A	7.80201	7.58549	7.70736	8.2776	7.7254	8.81776	8.57066	8.02259	8.43005
spata2l	6.35888	6.32733	6.57627	6.73575	6.78265	7.39468	7.14608	7.05283	6.78575
VPS9D1	6.66192	6.72044	6.70903	7.16273	6.24121	7.30557	7.54235	6.78265	7.01384
CENPBD1	6.58356	6.89062	6.93146	6.76476	6.14583	7.29621	7.11593	6.73579	6.75842
DBNDD1	6.59993	6.66478	6.4022	7.17459	7.1295	7.69972	7.59288	6.74109	7.8033
GAS8-AS1	5.83174	5.89465	6.1618	6.0912	6.91277	6.01284	6.30438	6.07253	6.09804

PRDM7	4.44482	4.45012	4.56083	5.05668	4.09899	5.17409	4.74766	4.56903	4.76738
LOC100506388	6.46459	6.2902	6.41574	7.00382	7.83449	6.797	6.82661	6.78041	6.64715
C17orf97	7.076	6.11343	6.34701	6.61463	6.14691	6.82199	7.16382	6.50917	6.34103
MRM3	6.92126	6.5931	6.69421	6.6965	6.38663	6.88245	7.14297	6.79193	6.9659
TIMM22	8.75194	8.21758	8.80611	8.63268	7.04927	7.64801	9.17064	8.19861	8.49436
TUSC5	5.68027	5.84248	6.23682	6.13214	6.71733	6.73631	6.33495	6.6499	6.26401
PITPNA-AS1	7.81729	7.89783	8.18997	8.26131	8.36988	7.94329	8.26752	7.81061	8.329
WDR81	7.03787	6.89574	7.08484	6.93683	6.61396	6.84604	7.07055	6.91523	6.64892
DPH1	7.80219	7.79233	7.80987	8.09905	7.07432	7.3271	7.83287	7.57462	7.50647
HIC1	5.89467	5.85999	5.8007	6.93598	5.31244	6.57658	6.27952	5.51322	6.72311
SRR	8.00609	7.93148	7.83791	7.60781	7.23725	7.28912	7.95045	6.54242	7.27552
SGSM2	7.81849	7.35798	7.23369	7.30526	6.47295	7.69557	7.4258	6.56496	6.86287
RAP1GAP2	6.86484	6.68176	7.03718	7.20565	6.52285	7.8517	6.94656	7.26378	7.33441
ASPA	6.51619	5.99745	6.03749	4.40832	5.60371	4.1885	4.3635	4.12048	4.97957
EMC6	7.36816	7.20408	7.05823	8.07683	5.90392	8.29233	8.69818	8.45893	7.76526
GSG2	6.06043	5.63275	5.75106	6.18313	5.83424	6.05174	6.40022	5.78266	6.02972
CYB5D2	7.60047	7.57582	7.53041	7.43848	6.82714	7.36112	7.63099	7.17352	7.34738
SPNS3	6.19795	6.06381	6.20488	6.9376	6.84113	6.75623	6.46964	6.62997	6.52528
SPNS2	8.8183	9.01279	8.55759	9.91193	10.1995	10.6461	9.45826	10.8056	9.75667
SMTNL2	5.89292	5.88288	6.08371	6.34762	6.28921	6.56666	6.12912	6.57865	6.45707
MED11	7.71789	7.73801	7.40885	7.66891	5.26078	7.48924	8.42131	7.15411	7.22711
TM4SF5	5.13064	5.22364	5.31928	6.05158	6.84131	6.09437	5.52594	5.83162	5.6303
GLTPD2	5.36843	5.43053	5.1587	6.55635	6.59769	6.70745	6.55253	6.0904	6.04243
PLD2	8.90797	8.75608	8.55638	9.41067	8.43314	10.5002	9.91178	10.9456	10.7675
MINK1	9.6692	9.45214	9.45102	9.64389	8.90408	10.6116	10.0133	10.3285	10.4053
C17orf107	5.97697	6.03634	6.27035	6.65259	7.10866	7.10459	6.27254	6.56049	7.03982

RNF167	8.87719	8.61887	8.82299	8.99368	7.55508	8.67857	9.14277	8.38423	9.07664
CAMTA2	5.65187	5.76562	5.74823	6.31458	6.05006	6.82616	6.56788	6.24172	6.09986
KIF1C	9.15103	9.20558	8.82301	9.46198	7.35873	10.2769	10.0052	10.0095	10.3388
ZFP3	7.8828	8.23454	8.33368	6.35679	6.67082	6.67642	7.17335	6.99408	6.86518
USP6	5.01497	5.01739	4.9311	4.94775	5.12963	5.45726	4.5827	5.43862	5.22515
LOC100130950	6.45935	6.25304	6.31992	5.59793	5.96489	5.77988	5.84653	5.91572	5.99989
RPAIN	7.7055	7.864	7.68669	7.10265	5.82875	6.06561	6.71304	6.39345	6.62002
LOC339166	5.51925	5.27312	5.28052	6.05238	7.13734	5.96813	5.44999	5.8314	5.85937
WSCD1	6.17576	6.21222	6.10269	6.42521	6.4907	6.49096	6.03993	6.35633	6.38251
TXNDC17	7.28221	7.33001	7.32676	9.56597	6.72619	8.80645	9.42603	7.98097	8.15971
C17orf100	7.09232	6.69592	6.51063	7.01321	7.0611	6.85982	6.85528	6.56481	6.75968
MIR4520-1	2.28126	2.01317	2.12766	2.0563	1.89825	2.67079	2.67726	2.04284	2.1052
ALOX15P1	6.52996	6.60502	6.53808	6.11235	7.04785	6.83435	6.02943	7.04766	6.36504
XAF1	9.09188	7.90229	8.37889	6.83188	7.64149	6.70547	7.22179	7.37322	7.3284
FBXO39	5.51029	5.45666	5.34703	5.74497	6.23192	5.62454	5.46207	5.22892	5.29577
ALOX12P2	5.53541	6.06624	5.94732	6.02846	5.61869	5.65888	5.88989	6.06273	5.49995
ALOX12	8.27115	7.05677	7.73538	8.27853	7.21324	10.1295	9.99003	9.92854	9.91149
ELP5	8.0936	7.38605	8.03029	7.66263	6.77774	7.33215	7.89588	7.11987	7.51013
EIF5A	7.61615	7.61109	7.59627	7.72663	7.13243	7.52068	7.27601	7.78884	7.68182
KCTD11	8.76856	8.3906	8.13591	9.59635	10.0765	11.8754	9.78884	9.56047	10.201
TMEM95	5.425	5.062	5.04749	5.77737	5.74145	5.59416	5.11589	5.50161	5.40259
NLGN2	7.06464	6.73222	6.68911	6.72741	6.88229	6.78938	6.85092	7.14745	6.34731
SPEM1	4.8388	5.12703	5.09836	5.83514	5.71146	5.63763	5.36023	5.8081	5.57732
C17orf74	4.71373	5.02748	4.70494	5.03524	6.26818	5.59176	5.51188	5.33591	5.54485
TMEM102	6.43441	6.47041	6.23573	7.5606	6.38267	6.9435	7.63372	7.13718	7.02774
FGF11	8.67124	8.18851	7.51139	9.62878	9.18797	10.0018	9.45115	10.2594	10.2259

SENP3-EIF4A1	9.45337	9.25118	9.36163	9.47755	8.30629	9.05793	9.56657	9.4324	9.2031
CD68	8.79534	8.76129	10.3037	10.3249	12.3221	12.5417	11.325	12.5006	11.7709
MPDU1	7.2959	7.27525	7.59034	8.29599	7.37105	7.72822	8.35229	6.86203	7.62001
SHBG	5.55352	5.79759	5.515	6.06494	6.90019	5.98313	5.84802	5.93809	5.97664
EFNB3	5.70951	5.84935	5.89859	6.40435	5.98561	6.31621	6.12262	6.1162	6.07231
RPL29P2	8.9933	9.11937	9.03329	9.36604	9.52305	9.40322	9.48713	9.16446	9.21746
KDM6B	8.17705	7.45933	7.52571	7.95133	6.28289	8.4816	7.78915	7.83128	8.09168
TMEM88	6.88189	6.20577	6.71378	6.96145	7.18302	6.77666	6.84638	6.84806	6.66512
CYB5D1	7.14532	7.41978	7.17517	6.7936	6.83441	7.3323	7.12465	6.38615	6.46607
CHD3	8.49109	8.37075	7.81358	7.61847	6.68627	7.99929	8.24106	7.61573	8.10327
SCARNA21	5.92019	6.65212	5.9703	6.50829	6.77832	6.88099	6.84264	5.81975	6.38921
MIR4314	6.46428	6.89356	6.45293	6.71662	8.09607	6.84985	6.52536	6.96263	6.96863
MIR4521	1.99025	2.06602	2.08573	3.23356	1.88711	2.27493	2.05293	1.93708	2.10204
PFAS	7.36229	7.26898	7.54587	7.0213	6.97254	6.97223	6.98653	6.885	6.97341
RANGRF	6.78247	6.80698	6.67494	7.84956	6.23867	6.75952	7.72238	6.78287	6.79654
ARHGEF15	6.93486	6.79335	7.01044	7.3016	7.1546	7.23696	7.07159	7.13891	7.48256
ODF4	5.14668	4.92725	5.17247	5.76804	6.0659	5.48782	6.26017	5.35195	5.90335
NDEL1	11.2557	10.7885	10.9552	11.1038	10.5595	11.8084	11.5432	12.165	12.165
NTN1	6.42786	6.38508	6.99169	6.30876	6.61003	6.66329	7.22139	6.66144	6.71196
CFAP52	4.76504	5.0459	5.06737	5.40478	6.43422	5.67836	5.24657	5.64529	5.46862
USP43	6.47026	6.04632	6.12726	7.55864	6.39283	8.51841	7.69882	8.95406	9.17847
GLP2R	4.93716	5.12125	5.12963	5.50209	6.35062	5.04408	5.07815	5.39741	5.12709
ADPRM	5.61543	6.36161	6.19783	5.32306	4.80075	4.80668	5.97251	5.22264	5.21506
SHISA6	7.12237	5.80882	5.66035	6.93724	6.57417	7.3042	7.45933	6.96111	7.13767
MAP2K4	7.06284	7.43017	7.2736	7.82783	6.319	8.27868	7.64069	7.78495	7.92184
MIR744	6.43608	6.76383	6.46165	6.60676	7.11022	5.96143	6.07429	6.72169	6.54909

LINC00670	5.94798	5.6431	6.12849	5.46295	6.59089	5.76221	5.38437	5.38038	5.25264
MYOCD	5.99164	5.76317	6.49677	5.63666	5.45384	5.67508	5.31407	5.47552	5.54527
ARHGAP44	6.16297	5.9042	5.84808	5.68424	6.02009	5.94639	5.75774	5.58878	5.75297
CDRT15P1	4.56932	4.72222	4.66553	5.44553	7.89459	4.86728	5.61956	5.38131	5.73151
HS3ST3B1	6.40165	6.00466	6.66766	6.31271	6.39773	6.58508	6.97541	6.72583	6.58935
MGC12916	6.12602	5.97424	5.93731	6.39088	6.26764	6.25535	6.78584	6.6449	6.34057
CDRT7	3.77322	3.45559	3.55957	3.70832	4.69352	4.07259	4.16427	3.59776	3.87596
ZNF286A	6.42055	6.91962	6.29813	6.29315	4.81411	5.42292	5.48306	5.94721	5.13362
CDRT15P2	5.76428	6.2164	5.79339	5.61602	7.24479	6.35634	5.67608	5.97895	6.29844
MEIS3P1	6.6301	6.1748	6.70116	6.02093	5.3242	5.65789	6.56564	5.56179	5.74573
ADORA2B	7.93702	7.79839	7.78475	8.70619	7.24224	7.49965	8.56417	7.67548	7.56233
MIR1288	5.64729	5.45568	5.0884	5.43304	5.00692	4.8608	4.5886	4.64577	4.67113
UBB	6.74267	5.49404	5.81561	6.6781	5.08468	7.09817	6.26409	6.18062	5.81433
USP32P1	6.48914	6.12932	6.91753	5.83555	5.63326	5.34149	4.94423	5.04154	5.86736
MPRIP	8.64296	8.75039	8.71652	8.62439	7.54551	9.69578	8.83305	9.71324	9.81017
MED9	6.4786	6.56963	6.53429	7.3203	6.79942	7.42895	7.49816	6.82412	7.06578
RAI1	7.36365	7.50913	7.33462	7.48004	6.65302	7.96241	8.19721	7.17574	7.32507
DRC3	5.9508	6.15893	6.28065	5.89341	6.37911	6.17876	5.84999	6.06113	5.88484
GID4	7.50745	7.68552	7.4722	7.67657	7.31496	8.21974	8.08967	7.79267	7.77479
DRG2	8.34519	8.1473	8.20389	8.4302	7.30816	8.3389	8.67603	8.16207	8.39264
MYO15A	5.72289	5.89863	6.03516	6.33853	6.3406	6.52358	6.219	6.29904	6.28469
LLGL1	7.27086	6.97627	7.01738	7.70096	6.68159	7.30193	8.05002	7.45688	7.34882
evpll	6.46976	6.32129	6.02516	6.19531	5.80432	6.81897	6.39806	5.87665	6.78878
KRT17P5	6.14672	6.15598	6.1489	6.3929	7.91969	6.63967	6.43683	6.64809	6.65962
FOXO3	6.4615	6.36998	6.47881	7.05973	6.85728	7.43292	7.23983	6.92955	6.87958
TRIM16L	8.26445	7.87745	7.51165	7.06054	7.45365	7.48432	7.45013	7.76536	8.12045

FBXW10	5.29429	4.28731	4.89742	4.84321	5.55278	5.16645	4.72687	5.25144	6.04405
PRPSAP2	7.57113	7.95535	7.25677	7.66276	6.32872	8.11844	8.18279	7.84001	8.10768
GRAPL	6.75594	6.44462	6.97034	6.76546	7.6656	7.13439	6.71229	7.31646	6.98542
EPN2	9.57605	9.48552	9.29537	8.94381	6.61754	8.63427	8.93806	8.88858	8.93282
EPN2-IT1	8.5353	8.48842	8.04472	7.18899	6.37329	6.68683	6.56974	7.56141	7.43966
MAPK7	7.79704	7.70058	7.70834	8.5555	7.26418	9.01353	8.39169	8.06813	8.28274
RNF112	5.98328	5.59435	5.82146	6.70812	6.57283	6.31681	5.92341	6.14698	5.89489
SPECC1	7.57385	7.09292	7.17896	7.71463	6.9469	7.21314	7.62181	7.29993	7.51305
CCDC144CP	6.02648	6.50341	6.47239	5.17623	5.32686	4.62483	4.92626	5.91167	5.19977
CDRT15L2	3.15361	3.64956	3.65755	4.65746	6.19875	4.60626	4.24581	3.91134	3.94546
DHRS7B	8.50176	8.72567	8.6165	8.42978	7.34307	8.49959	8.86727	7.50648	8.29644
MAP2K3	7.12777	6.62066	6.6271	7.30491	7.81325	7.99691	7.83284	8.87997	7.37598
FAM27E5	5.26757	5.51878	5.54136	5.51259	6.01658	5.91563	5.5493	5.82896	5.68845
FLJ36000	5.39015	5.1789	5.0521	5.82772	7.5769	6.25337	5.48756	5.80304	5.66791
MTRNR2L1	3.66114	4.80406	3.99003	4.80206	5.26892	3.99568	4.29079	4.45859	3.76031
WSB1	10.9597	10.796	10.6845	10.6805	10.5038	11.6367	10.0378	12.0364	11.2598
KSR1	9.12885	8.72174	8.73325	7.35444	7.21696	8.83857	7.70786	7.98913	7.4736
NLK	9.07697	9.01146	8.80812	8.35148	6.12282	7.57035	8.19056	7.78993	8.55777
PPY2P	4.91401	5.37032	5.23917	5.52064	5.43214	5.61558	5.50881	5.38953	5.98209
TMEM97	7.60873	8.08879	7.63499	7.37497	7.62097	6.59323	7.58546	6.97626	6.95921
tmem199	7.02805	6.61915	7.01015	6.44869	6.56742	6.11582	6.43754	6.49171	6.89172
SARM1	5.96047	6.03405	5.99934	5.99311	5.66006	6.00087	5.79876	5.71468	5.92166
FOXN1	8.58907	8.33333	8.16232	7.79003	7.79866	7.62892	8.63728	7.32083	7.91642
SPAG5-AS1	5.44419	5.31073	5.70251	6.07851	6.27083	6.32288	6.02252	6.06878	6.05152
SUPT6H	9.73958	10.192	10.019	9.20987	6.78083	9.34396	9.46282	9.50813	9.5178
NEK8	6.7572	6.73639	6.92268	7.07696	6.76754	6.80871	6.81876	6.75983	6.89693

TRAF4	7.16452	7.13452	6.74738	7.55736	7.06872	6.88555	7.28281	7.21415	7.60475
ERAL1	7.95037	7.7239	7.93263	7.95589	6.28064	7.13772	8.10082	7.21553	7.92529
mir451a	1.94886	2.86799	2.0012	2.54365	1.86223	2.91493	2.27146	2.27683	1.87683
PIPOX	5.33876	5.08494	5.23259	5.54971	5.62833	5.88822	5.85178	5.88822	5.7408
TAOK1	9.95282	10.1583	9.92129	9.69844	8.21435	9.80166	9.93137	9.82571	10.6052
tp53i13	5.90814	6.13481	5.91561	6.6694	6.17789	6.43534	7.31778	6.29682	6.59281
ANKRD13B	6.9786	6.85861	6.70789	6.92595	6.24253	7.23164	6.90078	7.13725	6.79964
EFCAB5	4.68219	4.5691	4.93895	5.02533	4.99985	5.08082	5.03038	5.13347	4.76182
NSRP1	8.37881	8.94337	8.6211	6.3179	5.1871	6.86391	7.43185	7.3276	7.41458
CPD	8.76924	8.57255	8.70676	8.33377	5.37666	7.66372	8.87844	8.6649	8.38696
gosr1	9.3407	9.21079	9.54509	8.3461	6.57617	7.85314	8.69971	7.43917	8.27192
LOC107133515	7.55847	7.93238	7.81532	6.76874	6.17149	6.22527	7.7838	6.76489	6.97903
SH3GL1P2	6.66914	6.82454	6.45641	6.64657	4.15001	6.25965	6.37885	6.27602	6.44279
ADAP2	9.35181	8.70656	8.85273	10.4909	9.77773	10.6501	10.7796	10.8049	11.1707
RNF135	8.82901	9.28177	8.89076	8.60913	7.35645	8.67246	8.88642	8.01806	8.28802
DPRXP4	7.33974	7.0554	6.78445	5.59636	5.10306	5.17926	6.41245	6.23489	6.86934
NF1	9.13015	9.40279	9.1611	8.0144	5.94274	7.72898	7.92682	8.14149	8.1328
RAB11FIP4	7.16732	7.42749	6.74507	6.71628	6.0687	6.68649	7.21731	6.53885	5.89192
MIR193A	4.93482	4.9933	4.44799	5.40173	5.32725	6.02845	5.75488	5.80125	5.82283
MIR365B	6.38656	6.56518	6.31527	6.20605	6.98508	6.67574	6.20827	6.62781	6.61476
MIR4725	5.19745	5.82968	5.56886	6.08124	6.70376	6.4768	6.04759	6.29677	6.03709
SUZ12	9.24883	9.5484	9.24763	9.37054	8.81315	9.15066	9.51254	10.0501	8.8437
LRRC37B	7.82558	7.94588	7.51643	5.927	4.59848	5.27987	6.20025	5.33746	6.5314
SH3GL1P1	6.06503	6.26445	6.20418	6.46617	6.03059	6.58167	6.57878	6.66182	6.56771
RHOT1	9.82793	9.76752	9.68907	8.83945	6.85915	7.89606	8.75351	9.08836	8.21465
ZNF207	10.4063	10.2226	10.4678	10.071	8.87391	9.87212	9.87276	10.2153	10.2143

TMEM98	6.77042	6.77771	6.74095	6.69777	6.87142	6.45487	6.74202	6.15071	6.08095
SPACA3	5.50957	5.6013	5.30434	5.73327	6.07264	6.28909	5.85191	6.10187	6.08866
CCL2	11.3734	9.71795	9.22667	8.98605	5.59187	7.73336	9.1711	10.258	10.5984
CCL7	4.40281	3.87492	3.57911	4.4243	5.11669	4.74876	4.53625	4.75869	4.51183
CCL11	3.88741	4.80295	4.08341	5.5581	5.32646	4.67332	4.05058	4.75666	4.7033
CCL8	4.6111	4.10638	4.05358	4.64188	5.34756	4.42921	4.55216	4.57455	4.83533
CCL13	5.99971	6.21069	6.52937	5.29101	6.49375	5.61187	5.55645	5.99955	6.26425
TMEM132E	5.79983	5.88155	5.81488	6.29466	6.82329	6.54658	6.15595	6.25696	6.52543
ZNF830	7.30187	7.6033	7.5002	7.65287	6.54855	6.98383	7.25562	6.68161	7.21029
FNDC8	5.64808	5.07665	5.23411	5.7302	6.19531	6.1947	5.79656	5.83137	5.9487
UNC45B	5.35282	5.33068	4.96716	5.46432	5.68709	5.46875	5.28986	5.81233	5.51753
SLFN5	9.58161	9.11244	9.45713	8.96413	6.48419	8.45807	8.75693	8.99888	8.77447
C17orf50	5.16159	5.62231	5.73401	6.39601	6.44457	6.93039	6.05526	5.78577	6.26326
CCL18	6.71495	6.54527	7.25313	6.58289	7.81072	7.10389	7.28979	6.88491	7.30191
CCL4	4.95469	5.16406	5.16406	5.11777	5.52057	6.30089	5.6167	5.20113	6.10091
Ccl4l2	6.16138	5.89595	5.93574	6.02734	6.85149	7.77975	6.51393	7.08482	8.38125
GGNBP2	9.38379	9.53572	9.15658	8.57904	6.88173	8.56517	9.0536	8.60458	8.66904
DHRS11	7.99664	7.61552	7.62175	8.22633	8.28312	7.59043	8.46794	8.79553	8.50499
MRM1	6.42185	6.14064	6.5514	6.41816	6.27651	6.32183	6.23958	6.23561	6.415
LHX1	5.71621	5.95299	5.90682	6.54783	6.69727	6.88133	6.14318	6.42528	6.14217
AATF	8.73058	8.93225	8.80754	8.69981	7.20526	8.19116	9.0006	7.89575	8.4121
MIR2909	9.39154	9.04339	9.13832	8.54775	9.99664	8.72909	8.5961	9.64449	9.3683
C17orf78	4.28292	4.29344	4.22319	4.36209	5.2575	4.6755	4.33497	4.39969	4.39914
TADA2A	7.89885	8.18847	8.20384	7.32884	5.52851	6.7343	7.63522	6.53988	7.14366
DUSP14	10.7458	10.9999	10.4139	11.6381	11.0406	11.3992	11.7485	11.249	12.4338
MRPL45	10.3279	10.6983	10.2994	10.0914	7.45989	9.38893	10.2884	9.56816	9.59855

SOCS7	7.92947	7.98554	7.86462	7.94059	6.98568	7.20513	7.85305	7.49328	7.73347
ARHGAP23	7.63219	7.49354	7.53258	7.93693	5.76421	8.24298	8.50307	7.93387	7.94313
CISD3	6.47337	6.63077	6.94089	7.25198	6.08708	6.83694	7.37397	6.47797	6.52274
MIR4727	3.76369	3.57503	3.87117	4.60966	4.78539	4.1104	4.08654	4.28444	3.42865
LASP1	8.66712	8.37925	8.51042	8.82883	7.19408	8.72414	8.56562	8.4963	8.8996
LINC00672	6.18265	6.58665	6.54299	5.96947	6.33256	5.8762	5.89319	5.81454	6.09195
LOC100131347	4.9254	4.7781	5.25649	5.55836	5.28674	5.34038	5.20004	5.34012	5.1056
RPL19	12.2849	12.4184	12.5919	12.1638	11.8371	12.0327	12.4712	11.6982	12.0381
CDK12	8.9561	8.92121	8.77556	7.57817	6.46564	7.33696	7.92926	7.31688	7.96971
STARD3	7.9521	7.9479	8.0869	8.37606	7.35697	8.20683	8.64633	8.35106	8.44905
TCAP	6.51093	6.44983	6.58859	6.80046	7.26389	6.61996	6.08732	6.65461	6.74994
PNMT	5.48752	5.58731	5.85999	6.38681	5.98533	6.83541	6.06895	5.96216	6.01975
GRB7	7.77502	7.63609	7.42699	7.84466	6.96569	8.25594	7.71073	8.07721	7.81869
IKZF3	3.37732	3.89151	3.38943	4.06616	3.60732	4.4371	3.95364	3.61236	3.47396
ZPBP2	4.46951	4.59976	4.11603	4.78366	5.27584	5.35838	4.77596	4.53645	4.58821
LRRC3C	5.50881	5.96139	6.419	6.23155	7.01003	5.39981	5.08355	5.4345	5.30302
GSDMA	11.0422	10.6186	10.4461	10.7955	10.3072	10.966	10.804	11.2154	11.2206
CSF3	6.04724	6.00921	6.1612	6.88827	6.77802	6.73003	6.2776	6.88946	6.76136
MSL1	8.45278	8.89346	8.29332	8.11825	6.52555	7.91059	8.40249	7.31275	8.18514
CASC3	9.27231	9.04246	9.2862	8.82739	6.82021	8.53911	9.13808	9.0694	8.66852
RAPGEFL1	9.58338	9.8426	9.28521	9.32671	7.35477	8.35117	8.91563	8.60395	8.68702
CDC6	5.65625	5.57685	5.82796	5.98461	5.133	5.66393	5.38321	5.72999	6.09399
IGFBP4	10.3066	9.33709	10.7755	9.42382	7.76909	8.41238	9.6956	8.64834	8.91681
TMEM99	5.95278	5.61823	5.70469	6.13179	5.31264	4.86845	6.19509	5.35172	5.48565
KRTAP4-7	2.19676	2.76086	3.02443	3.19987	5.43048	3.61192	3.09391	2.89282	3.55798
KRTAP4-9	2.99501	3.55073	3.34782	4.23923	4.4545	4.49236	3.89481	3.92029	4.11163

KRTAP9-1	4.86398	5.36189	4.67701	5.02888	7.75657	3.69649	4.9868	5.17809	4.77818
KRTAP9-2	7.09739	7.16208	7.27501	7.65678	10.4402	7.74235	7.27776	7.67494	7.53758
Krtap9-3	3.12239	3.13065	3.32962	3.04535	4.13772	3.10529	3.22358	3.02707	3.51579
KRTAP9-8	5.69399	5.53604	5.6572	6.01401	7.17552	6.51695	6.86197	6.58332	6.23948
KRTAP9-4	6.04614	5.81382	6.11802	5.77831	7.89837	5.90686	5.47411	5.94286	6.08906
KRTAP9-9	2.08717	2.66259	2.13133	2.34052	2.32663	2.29654	2.86801	2.38712	2.09786
LOC100505782	6.36182	6.41508	6.50474	7.07427	7.04727	6.92243	6.84142	7.03408	6.71025
EIF1	11.1998	10.6155	10.8351	11.0103	10.9212	11.2748	11.14	11.2126	11.3104
GAST	6.79774	6.75887	6.83221	7.30949	7.64133	8.13462	7.22076	8.02368	7.66099
KLHL10	5.48758	5.32545	5.32362	5.6155	6.7894	6.26288	5.68909	5.90055	5.74366
TTC25	4.64668	4.80996	4.9155	4.96478	4.79645	5.43605	5.12325	5.08016	4.94133
NKIRAS2	7.63316	7.31074	7.34618	7.52589	6.89888	7.75697	7.5181	7.64492	7.78009
STAT5A	7.18814	6.98152	7.36138	7.39757	6.35737	7.97007	7.43503	7.16211	7.72256
HSD17B1	7.16811	7.18113	7.04004	7.83158	7.7945	8.35522	8.00725	7.78807	7.58626
COASY	8.04287	7.55027	7.66883	8.40568	7.13736	8.0804	8.63122	8.12595	7.86189
MLX	10.097	9.83755	9.63846	9.98041	8.73722	9.74382	10.0057	9.44002	10.0437
CNTNAP1	5.83528	5.77214	5.8922	6.01881	5.78011	5.8481	5.76889	5.67527	5.98449
RAMP2	7.30014	7.2345	8.67015	7.35633	6.08034	6.6701	6.99418	6.33543	7.46442
VPS25	9.24333	9.19535	9.27791	9.88754	7.54565	9.16937	10.0948	8.61131	9.42583
WNK4	4.87588	5.04003	4.62519	5.31105	5.79064	5.10398	5.3729	5.31877	5.23912
CNTD1	5.3289	5.29594	5.21788	5.76334	6.21207	5.76058	5.23343	5.11082	5.47681
RUNDC1	7.0201	7.38275	6.97327	7.33958	7.05342	7.33514	7.41482	7.60282	7.32292
RPL27	10.0249	10.4411	10.3713	10.4292	10.168	10.3369	10.6045	10.0656	10.1319
IFI35	7.02882	6.66074	6.74659	6.89847	6.44399	6.19122	6.68253	6.59957	6.4111
RND2	6.54531	6.25951	6.28823	6.43246	6.3089	6.58728	5.79261	5.91121	6.15341
NBR2	7.21874	7.61365	7.57486	5.85569	6.6019	5.71326	6.6646	5.35755	6.45488

NBR1	9.3058	9.34754	9.07384	8.5478	6.43224	7.93127	8.8217	8.31919	8.07723
TMEM106A	7.08568	6.95792	7.09701	6.7136	6.59018	6.50919	6.33679	6.42212	6.8599
ARL4D	7.61961	8.54051	8.06389	9.58778	7.45693	8.92704	9.76563	8.40662	8.56412
MIR2117	9.16198	5.5484	5.55239	5.98407	6.61518	5.92159	5.70633	5.79789	5.8008
DHX8	8.79384	8.54168	8.66298	7.89486	7.09085	8.13507	8.54046	8.20962	8.21304
CD300LG	6.30711	6.59368	6.50504	6.95796	7.58152	7.15553	6.18931	7.25103	6.98255
NAGS	6.32558	6.43634	6.49823	7.78969	7.49762	9.31225	8.26805	7.93216	8.12023
c17orf53	6.16521	6.10301	6.07625	6.53021	6.4198	6.1474	6.39408	6.29323	6.10251
ASB16	6.42666	6.53468	6.67071	6.78853	7.00833	6.90325	7.07253	6.84911	6.93093
TMUB2	8.03244	7.34259	7.85715	8.09342	6.89971	7.67913	8.04302	7.47846	7.70527
RUNDC3A	7.79356	7.38996	7.2588	8.00498	7.06611	8.7979	8.41379	8.60326	8.68949
GRN	11.2381	10.4821	10.7397	11.7393	9.7046	11.0448	12.0951	11.0712	11.5211
FZD2	5.74548	5.3737	5.71252	6.29201	5.99645	6.02806	5.75486	5.7701	5.61693
MEIOC	3.8521	4.11576	3.93997	4.0457	4.5747	4.54479	4.17728	4.31588	4.16635
DBF4B	6.28067	6.26173	6.29389	6.33175	6.28762	6.42364	5.7689	6.11223	6.2158
ADAM11	5.78754	5.95321	5.8673	6.66313	6.46132	6.52712	5.95092	6.36977	6.41263
NMT1	9.04154	8.72442	8.77351	8.82838	7.32103	8.1164	8.92548	8.3812	8.66456
ACBD4	6.08366	6.41926	5.7568	6.28344	6.21717	6.13153	5.99078	5.86396	5.79199
HEXIM1	8.43947	8.06023	7.84703	7.99859	6.81748	7.92772	8.55049	8.06309	7.4765
HEXIM2	5.48804	5.59116	5.58259	6.06821	5.80956	6.30861	5.77024	5.95199	5.86089
FMNL1	6.43847	6.26707	6.50298	6.61004	6.27076	6.73618	6.76582	6.43342	6.33199
MAP3K14-AS1	6.53852	6.7368	6.63432	7.14403	7.33248	7.24313	6.77668	7.08889	7.13482
ARL17A	8.97201	8.5037	8.59345	7.81052	8.91307	8.22496	7.45259	7.36055	8.03717
CRHR1-IT1	7.84943	7.85206	7.37159	7.84421	8.154	8.74296	7.9667	8.08632	8.22003
SPPL2C	4.88493	5.03116	4.82522	4.95777	6.72035	5.4785	5.12104	5.12649	5.19439
MAPT	6.47404	6.7775	6.41014	6.52622	6.41543	7.1878	6.5431	6.6819	6.67817

MAPT-IT1	5.6819	6.35596	5.63428	5.82342	6.47569	6.32928	5.17017	5.79642	5.684
STH	5.05871	5.24857	5.89818	5.84003	6.11043	6.76834	5.61197	6.032	5.7905
KANSL1-AS1	5.81984	5.62217	5.69489	5.55439	5.31431	5.72424	5.97423	5.6179	5.91077
NSFP1	10.5149	9.85676	9.98975	10.7365	8.51507	10.0966	9.88442	10.8571	10.6195
NSF	9.12998	8.84223	8.97623	8.98213	7.09315	9.10493	8.97475	9.33309	9.10648
GOSR2	8.36939	8.65885	8.59964	8.00882	6.78244	8.30485	8.80109	8.51749	8.88022
CDC27	5.22578	3.93186	4.67002	3.18378	4.42029	3.48975	2.61629	4.50237	3.97812
NPEPPS	9.55272	9.4287	9.33529	9.40655	7.83844	10.1173	9.41821	10.1765	10.4018
KPNB1	10.3026	10.5709	10.5427	10.2482	7.75097	10.3694	10.5009	10.3983	10.4352
TBKBP1	6.7081	6.494	6.79399	7.67343	7.47177	7.53509	7.29366	7.26448	6.81927
TBX21	6.29976	6.20773	6.52171	7.19973	6.40552	6.96958	6.76604	7.18642	6.97071
LRRC46	4.64882	4.50022	4.81916	5.25267	6.49063	4.98516	5.11563	4.99994	4.73675
SP2	7.91765	7.72776	8.03864	7.34185	6.95777	7.61585	8.00199	8.08322	7.91914
PNPO	8.37292	7.77617	8.27467	7.73669	6.35569	7.34042	8.38759	7.32426	7.79476
CDK5RAP3	7.94394	7.80441	7.50134	7.57625	7.03604	7.64302	7.66019	7.61095	7.46147
NFE2L1	9.39931	9.41522	9.40749	9.42461	6.93869	9.19476	9.59472	9.23765	9.58031
SNX11	7.6232	7.47982	7.47392	7.78178	6.66154	8.15313	8.30826	7.72906	8.2712
HOXB-AS3	5.36876	5.28031	5.37936	5.97094	6.19471	6.12796	5.65253	5.84921	6.06513
CALCOCO2	8.39763	8.31565	8.56406	7.3118	6.48147	7.71249	7.78731	8.20473	8.01741
UBE2Z	9.02219	8.55318	8.89161	8.76003	5.69975	7.80565	8.91429	8.14943	8.79428
IGF2BP1	5.06845	5.19988	5.1175	5.7899	6.28632	5.98149	5.48664	5.62403	5.62377
FLJ40194	4.70809	5.27683	5.06718	5.27491	5.7123	5.57003	5.32024	5.39968	5.58314
NGFR	6.19529	6.44975	6.66995	6.85682	6.10751	7.01188	6.92852	6.84336	6.72826
NXPH3	6.61352	6.58528	6.91288	6.9455	7.63293	7.01756	6.58475	6.87879	6.84271
KAT7	8.87473	8.8636	8.85855	7.37664	5.84796	6.70843	7.82239	6.607	7.1265
FLJ45513	6.99345	6.69957	7.28956	5.67757	6.12119	6.14914	5.22359	6.08326	5.93945

DLX4	5.97864	6.7969	6.30268	6.86826	7.08424	7.08036	6.77988	6.9446	6.7201
TMEM92	6.0518	5.99547	5.83517	6.44061	7.04332	6.69548	5.94485	6.71544	6.49115
XYLT2	7.55058	7.49144	7.33571	6.98753	5.9218	6.96489	7.42407	7.38244	6.9723
EME1	5.94135	5.54873	5.80857	6.21938	6.11693	5.92757	5.86058	5.8788	5.91906
ACSF2	6.15496	6.51499	6.28387	5.99331	5.51744	5.64344	5.975	5.5674	5.48713
RSAD1	6.8588	7.16763	6.9714	7.19627	6.79696	7.146	7.03859	7.44038	6.869
mycbpap	5.58033	5.49142	5.42898	5.88238	5.8204	6.1777	5.81172	6.0144	6.1481
EPN3	8.46934	8.10949	7.96598	9.28222	7.54725	9.28692	9.43277	9.50653	9.61215
SPATA20	6.74185	6.92231	7.17092	7.15984	7.06011	6.82454	7.22638	6.75167	6.86805
LUC7L3	8.71791	9.41882	8.83909	7.74877	5.20031	6.42377	7.11143	8.32119	7.52481
TOB1-AS1	7.32674	6.76594	6.647	7.40631	7.2733	6.43126	6.90597	7.55035	7.30607
NME1-NME2	7.32688	7.52267	7.49343	8.53535	7.65938	8.23699	8.46063	7.61081	7.84252
UTP18	7.7143	7.67227	7.54839	7.45984	5.40983	6.83398	7.8431	7.70992	6.98226
C17orf112	2.90132	3.17178	3.19254	3.27832	4.50728	4.31523	3.45176	3.32674	3.40923
KIF2B	5.79851	5.952	5.86168	6.53447	6.9554	6.95391	6.51731	6.923	6.59404
TOM1L1	10.7059	10.6138	10.5624	9.86345	8.94508	10.186	10.6706	10.3031	10.5406
STXBP4	7.04102	7.08693	7.3229	5.86503	4.85148	5.40014	6.03598	5.33642	5.75255
HLF	8.79942	9.27209	9.00563	7.00059	7.63285	7.12005	7.83797	6.99847	6.67991
PCTP	7.79718	7.36156	7.9146	7.95154	6.24168	7.08708	7.8796	7.68594	7.59103
ANKFN1	6.11947	6.20733	5.66045	5.21361	5.36733	5.08149	4.77046	4.96651	5.19745
NOG	5.57242	6.10024	6.08121	6.51744	6.47308	6.60718	6.06585	6.15573	6.19166
SCPEP1	8.76866	9.26425	9.23111	7.73923	6.5082	7.05924	8.19617	7.18481	6.15362
RNF126P1	5.42158	5.83789	5.83933	6.27272	7.00455	6.8797	6.56524	6.79841	6.54963
AKAP1	8.1574	8.42693	8.50193	7.80182	6.51565	6.9031	7.90115	7.34091	7.21786
MSI2	7.6393	7.6828	7.63024	6.85894	6.72441	6.11115	7.02526	6.41039	6.41129
MSX2P1	5.93929	6.28959	5.68859	6.2504	6.30698	6.31623	5.72841	5.81732	5.70238

EPX	5.315	5.51611	5.35234	5.63042	5.56325	5.44231	5.09273	5.55246	5.47947
LPO	4.95909	5.09177	5.2673	5.48565	5.71757	5.87998	5.77418	5.71687	5.61686
TSPOAP1-AS1	5.61313	5.69775	5.73529	6.06113	5.80143	6.3053	5.75044	5.95545	5.85539
RAD51C	6.50387	6.23155	6.63431	6.1818	5.13819	5.37368	6.19593	5.80115	5.44124
PRR11	7.78407	6.81137	6.62495	7.92959	5.72612	6.72808	7.34046	7.57498	7.02823
GDPD1	7.11156	7.74621	6.85386	5.98358	5.90658	6.40312	5.99508	6.76129	6.28659
YPEL2	7.8224	8.06542	7.90002	6.86545	6.79518	8.21305	8.1345	8.65221	7.55248
MIR4729	4.6976	4.57204	4.70316	4.7993	4.68522	4.32282	4.39762	4.93148	4.74817
DHX40	8.22814	8.1193	7.93456	7.44975	6.36661	8.49891	7.78569	7.91903	6.60017
VMP1	11.6244	11.0145	11.475	11.4466	10.1096	11.0443	11.2125	11.5681	11.3668
MIR21	9.34161	7.78654	7.03098	10.2689	7.79602	8.69902	8.51167	11.316	10.6827
CA4	5.91402	5.86579	5.97582	6.4146	6.7487	6.62979	6.44912	6.43119	6.31113
C17orf64	4.94017	4.94133	4.7168	5.17304	5.13715	5.25793	4.92915	4.90897	4.94479
BCAS3	9.87732	10.0037	9.39682	8.51642	7.32377	8.03494	9.07005	8.36805	8.45778
TBX2	6.71447	6.73038	6.85508	7.34531	7.07724	7.10576	6.97014	6.88029	6.87201
TBX4	6.14729	6.44755	6.13865	6.49371	6.51385	6.11063	6.77411	6.555	6.60772
EFCAB3	4.23419	4.91756	4.52193	4.8239	5.42537	4.93691	4.72319	4.63318	4.51205
mettl2a	8.40167	8.5507	8.24952	7.18031	6.08144	6.88554	8.24767	7.59413	7.77931
TLK2	8.45348	8.5777	8.40215	7.25244	5.68497	7.70347	8.08231	7.50501	7.63081
MIR633	2.07372	2.16727	1.90844	2.40168	1.90146	2.47786	2.33115	2.09266	2.41451
ACE	6.57133	6.15863	6.5054	6.42648	6.84854	6.56925	6.20296	6.61629	6.61997
DCAF7	8.61491	8.17344	8.51045	8.57998	6.692	7.622	8.79053	7.8812	8.15952
taco1	6.92619	6.94695	6.91992	7.02269	6.21801	6.92638	7.78575	6.8914	6.76445
MAP3K3	7.94537	7.71033	8.0052	7.17666	6.09999	6.99041	7.79054	7.41448	7.6114
DDX42	8.54691	8.96038	8.71252	8.0955	6.12988	7.80391	8.4051	8.87365	8.03096
PRR29	6.05123	6.01074	6.23625	6.5851	6.8875	6.84308	6.11992	6.35123	6.16803

CEP95	8.98448	9.33163	9.17206	7.73972	6.17949	7.06601	8.15571	8.1626	7.82553
RGS9	5.54635	6.24316	5.71528	6.06919	6.58088	5.95796	5.99334	6.00667	6.14501
MIR634	5.74223	5.76995	5.58327	5.43421	6.33206	4.65114	4.8334	5.24568	4.87396
NOL11	8.97724	8.87676	9.22965	8.49968	5.27129	7.77861	9.1634	7.50391	8.23135
BPTF	10.3002	10.4011	10.2524	9.02474	7.29872	8.59181	9.20571	8.72663	9.39697
LINC00674	7.83758	7.09956	7.60111	6.97553	7.25168	6.92864	6.86507	7.74285	7.36691
LOC440461	5.56712	5.63068	5.23963	5.67439	6.44095	5.79353	5.62308	5.84713	5.62641
AMZ2	9.70161	9.61274	9.51827	9.84888	8.10935	8.72951	9.73303	8.59199	8.768
ARSG	8.06235	8.26666	8.29117	6.50363	6.68901	6.14669	6.57432	6.18354	6.26763
MAP2K6	6.57167	6.59339	6.22124	5.20933	5.43857	5.24784	5.44454	4.49056	4.50817
SOX9	8.48959	8.14683	8.68113	9.50676	7.88076	9.58864	9.27867	9.83985	9.25539
SSTR2	5.88384	5.5289	5.55453	5.72173	6.35273	5.95053	5.98273	5.88351	5.63891
COG1	8.64573	8.7744	8.84394	8.26466	6.14304	7.11561	8.49392	7.50764	7.81629
c17orf80	6.61017	6.91019	6.57509	6.31426	5.88303	5.7219	6.21042	5.72735	5.91017
LOC400620	5.04263	4.8593	5.13889	5.66381	5.95971	5.4596	5.25225	5.28982	5.07234
RPL38	6.82088	6.86775	6.97192	6.92151	6.88178	6.96807	7.11529	6.67896	6.74613
TTYH2	6.33618	6.3903	6.40981	6.46637	6.47581	6.35944	6.19722	6.23831	6.29058
KIF19	6.26014	6.51982	6.35528	6.92304	7.00515	6.94232	6.89247	6.72378	6.7105
gpr142	5.76698	5.96997	5.99249	6.31888	6.53007	6.4237	5.82417	6.26229	6.40646
CD300A	5.40169	5.65055	5.64633	6.10129	6.17923	6.2911	6.1411	6.10141	5.89645
C17orf77	4.84094	5.02665	4.82734	5.85092	5.97183	5.29195	5.2878	5.28896	5.21213
TMEM104	7.25689	7.2967	7.23276	7.48695	6.93053	7.20859	7.89974	7.37127	7.27824
OTOP2	6.66199	6.41698	6.29479	7.54049	7.33022	7.13105	7.1488	6.87239	7.13502
OTOP3	7.60873	8.99324	7.92333	8.64224	6.72275	7.84463	8.30963	7.62151	8.61934
CDR2L	7.20772	7.00814	7.04463	7.66559	6.68579	7.71514	7.46088	7.82084	7.24145
MRPL58	8.99126	8.75348	8.96231	9.04302	7.07952	8.60342	9.64833	7.88305	8.6797

KCTD2	8.60759	8.55121	8.36051	8.36551	6.76803	7.27085	8.46904	7.41073	7.84936
ARMC7	6.33052	6.60088	6.39297	6.5621	6.59753	6.71637	7.03549	6.74763	6.82487
NUP85	8.46072	8.33019	8.32764	8.00239	6.51325	7.17179	8.00988	7.5898	7.69558
MRPS7	8.72448	8.23232	8.79654	9.00918	7.57899	8.92121	9.01187	8.85617	9.50197
LOC100287042	5.82431	5.93585	5.93427	6.10483	6.31375	6.86945	6.12955	6.61177	6.31298
MIR3678	3.64416	3.92302	3.90492	3.6335	3.67878	3.93769	3.73621	3.75784	3.88871
TMEM94	7.98646	7.61524	7.86659	7.75635	7.50656	7.27438	7.84454	7.30847	7.53813
TSEN54	7.73433	7.57892	7.31284	7.90338	7.35958	7.63829	8.34699	8.08534	7.66042
LLGL2	8.16124	7.85259	7.95037	8.1815	6.84717	8.92823	8.55865	9.33344	9.06309
MYO15B	7.35073	6.96184	6.97149	6.67776	6.96558	6.75373	6.59247	6.86931	6.91498
SMIM5	5.9556	6.13721	5.6365	5.89734	5.88183	6.77628	6.60287	5.91986	6.02857
SMIM6	5.27616	5.36037	5.39753	5.405	6.14793	5.9423	5.85478	6.1348	5.57836
SAP30BP	7.76645	7.83646	7.76607	8.37571	6.74691	8.98376	8.71194	8.41211	8.69066
UNK	8.34747	8.36677	8.31923	7.69845	6.08221	8.54993	8.27345	7.11195	7.52876
TEN1-CDK3	6.74633	6.84542	6.45007	6.7301	6.2382	6.91955	6.89478	6.70051	6.91653
GALR2	6.49537	6.62323	6.28388	6.20472	6.92357	6.89044	6.3781	6.33856	6.69256
ZACN	6.30699	6.31744	6.37373	6.81652	7.00896	7.06739	6.72792	6.91236	6.99568
RNF157-AS1	5.06108	5.08499	4.96559	5.59862	5.21096	5.45019	5.00262	5.37499	5.48408
SPHK1	7.02813	6.82789	6.83277	8.5393	6.96917	9.35787	8.84461	9.05199	8.94575
AANAT	5.41222	5.41063	5.5507	5.98371	5.69798	6.34209	5.82793	6.25567	5.98859
PRCD	5.82347	5.84939	5.99617	6.95209	7.1084	7.31971	6.39744	6.85398	6.86073
SNHG16	9.84272	9.73907	10.2644	9.58871	8.14314	9.01941	10.0361	9.25993	9.77874
METTL23	7.42175	7.03651	7.42472	6.94365	5.19694	7.13392	7.54618	6.86614	6.75037
MFSD11	8.47885	8.15702	8.29415	8.25023	6.27872	7.75931	8.61102	7.72209	8.15919
SNHG20	7.09377	7.27367	7.25238	7.33748	6.74691	7.70084	7.23476	7.57125	7.59405
44448	8.12649	7.97989	8.18404	8.99774	6.9773	9.46527	9.42128	9.29586	9.45289

LOC100507351	5.90187	5.79458	5.86238	5.80126	6.23004	5.44844	5.46885	5.34504	5.19237
TNRC6C	7.60426	7.47821	7.87613	6.56176	6.27792	6.56059	6.95285	6.25924	6.61215
tmc8	6.10532	6.0315	6.23869	6.40935	6.31507	6.60745	6.51638	6.44571	6.12403
C17orf99	6.23826	6.11952	6.03652	6.65076	7.10832	6.26533	6.43587	6.49891	6.77663
SYNGR2	10.0211	9.83848	9.9451	10.9223	9.35643	10.3487	11.2009	9.56532	10.2973
AFMID	6.39613	6.06288	6.13104	6.39961	6.21801	5.96346	6.29097	6.08784	5.90766
BIRC5	6.00491	5.59041	5.67694	6.67084	5.46564	6.61928	6.49938	6.68081	6.2594
TMEM235	5.60098	5.73108	5.61745	6.07473	6.68659	6.11811	5.90421	6.11528	6.02845
PGS1	7.81381	7.90241	7.90709	7.67124	6.40543	7.80295	8.36016	8.42319	8.29058
C1QTNF1	7.0499	6.67215	7.27459	7.35152	6.80652	6.67533	7.16729	6.97909	7.22388
ENGASE	6.91644	7.04201	7.23794	6.9518	6.72776	6.94587	6.97322	6.97528	6.74638
ENPP7	5.36959	5.60649	5.75564	6.44799	6.30117	6.48309	5.9653	6.38241	6.22824
CBX2	6.79601	6.62336	6.66484	7.53038	6.86529	7.55208	7.44141	6.8881	6.6719
CCDC40	5.7142	5.45199	5.96141	6.09844	6.08793	6.5574	6.35522	6.14652	6.0589
RNF213	9.03176	8.57091	8.36259	7.71174	6.78458	7.41323	7.74848	8.14297	7.72503
ENDOV	6.56129	7.04477	6.74617	6.62048	6.32724	6.62027	6.72225	6.51187	6.64376
MIR4730	6.43196	6.53429	6.78206	6.67204	6.84154	6.29212	5.84426	6.53259	6.23685
CHMP6	7.40662	7.20868	7.20172	7.71213	6.54421	8.17978	8.62589	7.57602	7.96812
BAIAP2	7.78431	7.80511	8.31482	8.46869	7.80332	9.2384	8.93956	9.26528	8.88621
MIR338	6.70351	6.56693	6.86799	7.05778	7.0857	7.21475	6.84798	7.21597	7.04881
AATK-AS1	6.21499	6.09378	5.85342	6.51158	6.62698	6.66316	6.20548	6.63356	6.42107
ndufaf8	6.07165	6.31433	6.14257	6.81639	4.62047	6.45252	7.55678	5.29044	6.00981
BAHCC1	6.44737	6.31387	6.49378	6.28482	6.07585	6.48537	6.43212	6.40235	6.46446
TSPAN10	6.74074	6.34325	6.33315	6.58316	6.72596	7.02207	7.11329	7.01313	6.832
CCDC137	6.82977	6.46186	6.73076	6.81995	6.46772	7.11627	7.52943	6.92531	6.77803
HGS	8.57079	8.29895	8.36882	9.27234	6.92008	9.40986	9.44754	8.91914	9.318

GCGR	5.7702	6.10251	5.48761	6.08266	6.24683	6.49759	6.11125	6.2294	6.0854
ANAPC11	6.75685	6.72162	6.8274	8.09405	6.66299	8.29096	8.32769	7.87236	7.7093
NPB	5.75972	5.96215	5.90521	6.65424	5.76131	7.05231	6.8106	7.08129	6.48525
MAFG-AS1	6.12887	6.07655	6.07042	6.5702	6.40003	6.64478	6.19461	6.79315	6.33482
LRRC45	6.34062	6.11572	6.30765	7.3836	6.01072	7.40902	6.9201	6.9645	7.05346
GPS1	8.40979	8.15173	8.3877	8.86607	7.83	8.40595	8.98508	8.37853	8.45641
TEX19	5.75751	6.14761	5.95023	6.02833	7.03537	6.19749	6.08053	6.19902	5.96716
UTS2R	6.28009	6.80187	6.51723	7.79868	7.82435	7.81889	7.38355	7.32106	7.71301
NARF	8.2781	7.75764	7.86162	7.91984	7.60643	8.01018	8.03762	8.16298	8.09711
FOXK2	8.36261	7.73719	8.00345	7.97448	6.85824	8.00306	8.14139	8.08383	8.06307
FN3KRP	7.6374	7.6619	7.62779	8.00481	6.94899	7.54835	8.20903	7.67223	7.31647
FN3K	6.20944	6.06866	5.90304	6.25895	6.29085	6.40259	6.00564	6.1919	6.14712
TBCD	8.38224	8.11957	8.47692	8.32808	7.13069	8.26066	8.47927	8.06655	8.04936
RPH3AL	6.31798	6.8144	6.42182	6.66954	6.68006	6.96441	6.65419	6.73819	6.64083
VPS53	10.4836	10.161	10.2118	9.46057	8.15782	9.60424	9.85202	10.0719	9.94161
GEMIN4	7.2599	7.39611	6.9543	7.25791	6.75964	6.87829	7.48944	6.81863	7.00745
GLOD4	7.39998	7.1747	7.25959	7.36902	5.82875	7.27886	7.591	6.95595	6.94564
NXN	8.27866	8.15193	8.04413	9.0572	8.38489	9.84072	9.74151	10.0607	9.3466
ABR	8.71775	8.73763	8.43909	9.14155	7.98174	9.47009	9.47903	9.01026	9.57633
MIR3183	6.18703	6.38776	6.41521	6.87719	5.93331	6.78046	6.83294	7.08287	6.84809
CRK	8.50374	8.10221	8.57359	8.53587	5.89756	8.6899	9.02846	9.07568	9.00074
MYO1C	9.8818	9.32661	9.74146	10.2713	7.81838	10.2833	10.6537	9.93552	10.457
INPP5K	8.05926	7.95974	7.55812	7.68846	7.28161	7.08085	7.92355	7.99993	7.59005
rilp	6.32199	6.2837	6.55424	6.9625	6.5278	7.20506	7.42284	6.47818	6.80543
PRPF8	10.7832	10.6408	10.9087	10.2216	7.25884	9.2518	10.2896	9.81384	10.2227
TLCD2	7.15732	6.99546	6.78847	6.66471	6.90786	7.47202	7.44463	7.43872	7.38196

Mir22hg	7.8224	7.64086	7.69815	7.83302	6.41492	7.02981	8.34273	7.45764	8.53343
SMYD4	6.63234	6.96461	6.80913	6.81729	6.40603	6.76946	7.12744	6.52916	6.68595
RTN4RL1	6.58074	6.91281	6.78011	6.97174	5.69367	6.76185	6.90213	6.24992	6.84638
MIR132	3.92704	3.53208	4.26665	4.54468	3.6332	4.68322	3.94479	4.67758	4.58416
mir212	6.51233	6.80111	5.93821	6.85068	6.67116	7.61573	6.7222	6.78028	6.8524
MNT	7.57036	7.47341	7.50614	8.75359	6.66351	7.99534	8.29887	7.75054	8.40846
METTL16	7.43791	7.41562	7.56946	6.94446	5.51491	6.25215	7.46894	6.15433	6.55796
CLUH	7.9514	7.91207	8.08506	8.24787	5.68667	8.03983	8.69338	7.44923	7.49813
MIR1253	2.52572	2.92553	3.38311	3.37818	3.43918	4.57075	3.83459	3.31763	3.64342
SPATA22	4.01038	3.71601	3.82899	4.46284	4.04246	4.53447	4.52049	4.03292	3.98806
NCBP3	9.32363	9.22488	8.93744	8.73312	7.4403	8.89657	8.78154	8.52603	8.50502
ANKFY1	8.88098	8.68456	8.5722	8.01521	6.35518	7.66179	8.36933	8.39491	8.16873
UBE2G1	11.5486	10.9282	11.2224	11.3121	10.6262	11.7789	11.3796	11.5518	11.6898
MYBBP1A	7.80782	7.46909	7.83059	8.02813	6.36466	7.42911	8.0221	7.14027	7.13127
GGT6	8.79041	8.86159	8.70808	8.43314	8.53838	9.35453	8.8239	9.17234	8.59938
ALOX15	5.37835	5.42995	5.26638	6.04689	6.13889	6.33892	5.75663	5.55154	5.94773
CXCL16	8.52382	7.64384	8.12448	8.44607	7.96482	9.32532	9.17603	9.32996	8.98506
VMO1	5.45853	5.42246	5.68303	6.54163	5.57258	6.84716	6.12799	6.28951	6.22501
PFN1	11.6486	11.4141	11.7109	11.8344	10.9173	11.5571	11.9019	11.399	11.9514
SPAG7	7.28784	7.50148	7.4731	8.00287	6.62376	8.21812	8.24314	7.05964	7.63257
ZNF232	5.51438	5.81698	5.37349	5.38328	5.6868	5.85009	5.54595	5.18617	5.47765
ZNF594	5.55094	5.40479	5.45501	5.13458	4.77195	5.22296	5.57059	4.90775	4.92469
SCIMP	5.62586	5.75207	5.95588	6.23688	6.88403	5.94013	6.10308	6.2939	5.97084
NUP88	9.65193	9.64255	9.55795	9.37459	6.39766	8.51782	9.29506	8.33062	9.10311
DHX33	8.16826	8.1158	8.14825	8.04138	6.63775	7.23077	8.26228	7.32792	7.29497
DERL2	9.27181	9.31651	9.35367	9.52898	7.31192	9.06231	9.63108	9.13453	9.61419

AIPL1	6.1088	5.80697	6.15257	6.61688	6.93196	6.86518	6.5696	6.40641	6.80426
PITPNM3	7.59379	7.78776	7.61086	7.60159	5.98212	7.81262	8.26766	7.26906	7.45402
KIAA0753	7.97697	8.04979	7.76368	7.07769	6.33817	6.31119	6.95896	6.67384	7.02319
MED31	8.9805	8.89287	8.74879	8.84141	7.16627	7.88926	9.28099	8.63213	8.51917
TEKT1	5.20753	4.99477	4.95958	5.60081	5.20277	6.12931	5.65098	5.33105	5.14842
ALOX12-AS1	6.74396	7.32037	6.91652	5.70305	6.44963	5.30687	6.40283	6.84438	6.68508
MIR497HG	5.45193	5.62733	5.73302	5.86852	6.38389	5.93776	6.1494	5.44344	5.99175
MIR195	5.50081	5.37121	5.5953	5.52974	6.00919	5.35209	4.97316	5.54889	5.5967
MIR497	4.76656	4.79487	5.10926	5.27937	4.88937	5.12535	5.31129	5.05834	4.93802
ASGR2	6.60226	6.46124	6.77269	6.43975	7.34806	6.74939	6.19295	6.60198	6.57853
ASGR1	6.07241	6.48451	6.14668	6.78391	7.00545	7.20687	6.63572	6.91491	7.11147
MIR324	7.35494	6.68874	7.22458	7.50077	8.6284	7.12946	7.22712	7.39386	7.26539
PHF23	7.35243	7.24538	6.96886	9.03969	6.53119	8.87735	8.58355	8.02824	8.54585
GABARAP	11.7398	11.5703	11.6441	11.5522	11.6596	11.4927	11.5944	11.2097	11.694
CTDNEP1	9.28648	9.11059	9.29244	10.0066	8.61402	9.85668	10.2274	9.30319	9.82468
CLDN7	6.74653	6.62487	6.83891	7.8307	6.89727	9.41884	7.68285	10.3465	8.11735
YBX2	5.99036	5.74711	5.73632	5.32572	5.56455	6.2303	5.66278	5.69756	5.64877
GPS2	8.1764	8.23416	8.40272	8.58393	8.87603	8.97426	9.12764	9.36896	8.79523
neur14	6.57649	6.61962	6.37881	6.415	5.88979	6.50674	6.6064	6.41322	6.17416
TMEM256-PLSCR3	8.12054	7.93323	7.7909	9.14972	8.09974	9.55628	9.51913	9.26904	9.24917
ZBTB4	8.15878	7.87968	7.84812	8.07041	6.24081	7.95392	8.23027	7.16277	7.46249
SOX15	7.85658	7.61167	7.42624	8.56546	7.03633	8.57845	9.088	8.53662	8.83776
SAT2	7.52092	7.26331	6.88841	7.6881	5.48414	7.66356	8.40668	7.33154	7.12908
TP53	8.86589	8.48151	8.70828	8.38745	6.70298	6.34979	8.3103	6.4606	6.86891
NAA38	8.5884	8.89373	8.72029	9.2307	7.85443	8.7379	9.21266	8.13071	8.42615
LOC284023	8.3423	8.67668	7.83012	8.0953	6.17577	7.27514	6.83633	7.01184	6.43769

TRAPPC1	9.70496	9.62478	9.40204	10.0732	8.25682	9.43308	10.2059	9.2037	9.74012
ALOXE3	9.73388	10.1632	9.61309	9.37732	9.75943	10.0049	9.69991	9.99235	10.3253
HES7	5.29088	5.32644	5.304	6.09408	5.87018	6.72316	6.11461	6.31976	5.90237
PER1	9.10278	8.9361	9.69252	9.00578	8.69522	9.66309	9.40125	10.0483	9.109
VAMP2	8.41986	8.3268	8.43377	8.50796	8.22099	8.44735	8.97277	8.7888	8.83989
TMEM107	6.4361	6.70316	6.17475	6.68465	5.91918	6.65861	6.78087	6.39771	6.55769
BORCS6	6.55519	6.59071	6.36791	6.85541	5.89725	7.21412	7.15006	7.28149	6.79654
AURKB	7.30357	7.12269	6.88564	7.97031	6.99704	7.37113	7.72292	7.2872	7.14986
LINC00324	5.31917	5.59534	5.38229	5.8959	5.61872	5.85678	5.61191	5.53015	5.5403
CTC1	8.14223	8.16157	7.76176	7.52175	7.37586	7.13682	7.71799	7.68109	7.56569
LOC100128288	6.92866	7.39061	6.3753	6.25169	6.40253	5.13733	5.38355	5.65457	5.85367
KRBA2	5.34557	6.0009	5.21565	5.88001	5.2319	5.5249	5.22181	5.09338	5.2509
RPL26	9.24667	9.35718	9.69748	9.68133	9.53447	10.14	10.1088	9.22462	9.31537
RNF222	7.6058	7.10691	7.41105	8.61458	8.23639	9.34993	8.33394	9.07469	9.22176
CCDC42	5.71962	5.67874	5.72975	6.16497	6.0281	6.01182	5.58299	6.28805	5.91224
SPDYE4	4.81063	4.42611	5.23602	5.74788	5.78605	5.86068	5.83242	5.55931	5.5589
MFSD6L	5.77331	6.01895	5.758	6.23519	5.83425	5.96269	5.89678	6.08999	5.77024
STX8	8.64801	8.54164	8.5419	8.66197	7.30373	8.44324	9.12909	8.79358	8.67305
DHRS7C	5.53029	4.90781	5.07558	6.09039	6.4271	6.60196	5.79322	5.6289	6.25329
RCVRN	5.94596	5.95895	5.61707	5.58008	5.56727	5.93395	5.34648	5.44963	5.33905
GAS7	8.38501	8.31975	8.27197	8.36643	6.21404	8.7887	7.99669	8.75792	8.13508
SCO1	7.66342	7.79185	8.05035	7.12776	6.04739	6.37354	7.71855	6.49777	6.59226
TMEM220	7.33117	7.42544	7.86963	7.09931	7.21664	6.86088	6.87866	6.07725	6.75766
LINC00675	7.31302	6.79404	6.064	7.32106	6.87688	11.0002	6.91577	9.00535	9.61315
PIRT	5.4084	5.57969	5.78781	6.44675	6.41984	7.4289	6.81194	6.25381	7.27318
ZNF18	7.08317	7.33833	7.24167	6.60111	6.23535	5.72468	6.77851	5.59545	6.15631

MIR1269B	6.15668	6.4737	6.26596	6.46152	8.44628	6.5246	6.17424	6.65598	6.71517
ELAC2	8.69089	8.56836	8.703	8.71478	6.94494	8.16572	8.9649	7.9293	8.37276
HS3ST3A1	6.41684	5.95069	5.60559	7.48013	6.57731	7.75022	7.69623	7.94468	8.781
MIR548H3	5.26821	3.05817	3.09677	4.39454	3.34219	3.33089	2.9628	6.35445	7.32743
COX10-AS1	8.88818	8.30069	8.36541	7.63328	7.2472	6.5439	8.04383	7.08698	7.74835
CDRT15	6.99245	6.79811	7.09305	7.35421	7.17694	7.29249	6.9165	7.46138	7.6004
PMP22	8.24885	7.6304	9.26727	7.03759	5.82623	8.72714	7.6906	7.76715	8.77696
MIR4731	5.93431	6.60308	5.69857	5.84715	6.64544	5.25861	5.10004	5.33064	6.23304
TEKT3	5.00526	5.80497	4.86612	4.79954	5.07835	4.92176	4.59466	4.5331	4.50586
CDRT1	6.23031	6.18992	6.43926	6.45174	6.50236	5.91616	6.11017	7.04908	7.82586
TRIM16	7.42096	7.71971	6.92204	7.34798	7.07833	7.39173	6.5213	7.86256	7.78074
NCOR1	9.76068	9.92427	9.78789	8.81955	6.33698	7.9819	8.91401	8.36719	8.90597
cenpv	5.56227	5.5209	6.04593	5.81813	5.90597	5.60515	5.71155	5.2595	5.13452
ZNF287	6.49113	7.02259	6.72694	6.3883	5.66521	5.53707	6.38337	5.51645	5.77245
znf624	7.45469	7.67148	7.37488	7.06175	6.68796	7.82494	7.22777	6.82863	6.84252
KRT16P2	9.80952	9.62102	9.77266	11.7444	11.2302	12.0255	11.5731	12.4951	11.9477
FLCN	7.4656	7.04182	7.22795	7.40945	7.1718	7.9455	7.04291	7.75041	7.73803
COPS3	8.6613	8.28576	8.5367	8.46547	7.31682	7.5608	8.57018	7.65828	8.33758
PENT	7.46204	7.39476	7.57016	7.7234	7.13935	6.71762	7.69092	6.94329	6.93397
SREBF1	7.35347	6.83308	7.0248	7.41214	6.1483	7.78995	7.96374	6.96819	7.29975
MIR33B	7.02302	7.10249	6.83934	7.43336	6.92785	7.27196	6.55124	7.18747	7.27911
TOM1L2	9.2043	8.96791	9.14136	8.9823	8.21609	9.32307	9.1056	9.5035	9.19194
ATPAF2	6.86195	6.82774	6.79116	6.86393	6.36507	6.81104	7.08989	6.83692	6.59092
FLII	8.81755	8.62342	8.59685	9.27257	7.35108	9.66681	9.6781	8.80526	9.56781
TOP3A	6.93493	6.67257	6.64542	6.05515	6.21453	5.8803	6.52915	6.34831	6.28979
SHMT1	8.21587	7.6443	7.74788	7.02717	6.47154	6.88553	7.12669	6.4186	6.96432

Ccdc144b	5.74092	6.43574	5.80759	5.52679	5.10119	5.02272	5.36804	4.8721	5.20474
ZNF286B	6.95958	7.14192	6.84235	7.49747	6.97661	7.1979	6.94384	6.97798	6.80301
GRAP	5.84495	5.19776	5.33945	5.81635	5.17596	6.24226	5.98118	6.07004	6.27469
EPN2-AS1	5.45148	5.76972	5.37726	5.88131	5.69417	5.14675	5.03542	5.62564	5.6547
B9D1	7.0451	7.08816	6.9668	7.19137	7.32966	6.77546	7.24021	6.95921	7.04952
MIR1180	6.37795	6.54022	6.43998	6.78203	6.74148	7.39824	6.668	6.8414	6.91368
MFAP4	9.40108	9.05019	10.1156	7.76075	6.28227	6.86225	8.33725	7.21178	6.79219
ULK2	8.36047	8.28989	8.00187	7.99401	6.73658	6.93093	8.16867	7.31845	7.71895
AKAP10	7.924	8.03709	7.98511	7.57023	6.56251	7.71186	7.814	7.8199	7.48402
KRT16P3	7.10319	7.43112	7.29412	9.68887	9.67786	10.2812	10.2511	11.1672	10.1337
USP22	9.93779	9.81954	9.75889	9.71435	7.47729	9.2326	9.84159	9.40707	9.32985
natd1	6.64833	6.63418	6.5966	7.05978	6.84308	7.95382	7.3435	8.2403	7.45488
C17orf51	5.89971	5.46232	5.99032	5.93735	6.18231	5.52593	5.76497	5.80505	5.80386
MIR4522	7.11821	7.43365	7.59901	8.00862	9.09894	7.95486	7.335	8.09069	7.89211
LYRM9	5.53063	6.13751	5.67732	5.61109	5.62497	5.34336	5.1785	5.60267	5.3738
KRT18P55	5.53006	5.63204	5.92293	6.47235	6.04281	6.6516	6.05825	5.98138	6.24505
IFT20	7.60647	7.9185	7.70585	7.42811	6.87822	6.5187	7.47941	7.68689	6.97359
SEBOX	6.4462	6.39872	6.62977	6.86363	7.8185	7.27088	6.71149	7.10448	6.96783
VTN	5.86286	5.86725	5.80599	6.0627	6.17427	6.11953	5.73436	6.09958	5.9967
UNC119	6.59684	6.6841	6.97201	6.67654	6.69866	6.89804	7.2809	7.41059	6.42197
SPAG5	7.03597	6.82854	6.62212	6.54402	5.66079	6.26963	6.24436	6.23138	6.18475
SGK494	7.71704	8.14774	7.89956	6.11894	6.35159	5.76628	5.98525	6.28546	7.15073
KIAA0100	9.89468	9.84303	9.83059	9.79941	7.03326	8.95477	10.0062	9.29381	9.79501
SDF2	7.26012	7.21205	7.12598	7.1447	6.09975	7.73272	7.73505	7.74585	7.59055
PROCA1	5.6007	5.37646	5.44347	5.94934	5.66276	5.80593	5.77107	5.97206	5.78245
TLCD1	8.05293	8.00873	7.66022	8.27577	7.32917	7.22535	8.51225	7.07201	7.62673

mir144	2.81841	2.80232	2.68427	2.63652	2.43294	2.96948	2.60481	2.76087	2.83911
MIR4732	8.43346	8.38735	8.35868	9.02547	10.3387	8.3658	8.81888	8.76058	8.70273
FLOT2	7.75372	7.3673	7.74692	8.34224	7.14362	8.1238	8.46315	7.55163	7.92988
DHRS13	6.44557	6.30321	6.27925	6.40434	5.5725	7.02903	6.8427	6.31077	5.75427
PHF12	8.30737	8.26439	8.56105	7.23949	5.66707	6.80521	7.27188	6.85783	6.96235
SEZ6	4.10779	4.70954	4.59169	4.66347	5.16965	5.21762	4.55767	5.11662	4.70294
MYO18A	8.32122	8.45133	8.13563	8.24676	7.7776	8.98443	8.58397	8.57434	8.77305
NUFIP2	9.17033	9.06269	9.36792	9.16808	6.00118	8.76959	8.92236	9.59594	9.22104
ABHD15	6.18373	6.25482	6.26818	6.6181	5.68966	6.40519	7.32959	6.31238	6.65374
GIT1	7.85955	7.93658	7.8787	7.60411	6.14705	7.08674	7.83289	7.29576	7.16225
CORO6	7.02927	6.6843	6.87354	7.40018	6.76443	7.30987	6.83543	7.84297	7.04894
SSH2	8.05139	8.14454	8.34337	7.43957	5.85321	7.36411	7.69947	7.61382	7.52677
Mir423	4.50302	4.8007	4.67465	6.00471	5.27767	6.31142	5.34321	5.3977	5.66092
BLMH	11.5594	11.1121	10.5219	10.7655	7.22364	8.69528	8.94393	8.42291	8.54638
TMIGD1	3.83518	4.14886	4.11309	4.73159	5.94028	5.72992	4.6322	4.97959	4.78457
CRLF3	7.76594	7.58821	7.38209	8.17133	6.80423	8.92511	8.26783	9.14783	8.80396
MIR4733	5.29256	5.48696	5.34747	6.22814	5.77328	6.17291	5.95301	5.69334	6.25631
OMG	4.57259	4.86921	4.37327	4.56335	4.78376	4.83621	3.95357	4.68052	4.82543
EVI2B	6.25739	5.93668	7.09773	5.4935	5.37617	5.03271	5.52013	5.41139	5.22006
EVI2A	5.04138	4.7006	4.71648	5.1036	4.12622	4.41138	5.02804	5.10214	4.35348
COPRS	5.9828	6.33723	5.88267	7.03067	6.848	6.20028	7.22024	6.71069	6.64211
ARGFXP2	3.16008	3.593	3.34612	3.78367	3.06614	3.51662	3.5172	3.71801	3.7804
c17orf75	7.31781	7.56869	7.49466	7.04998	6.13204	6.15755	7.4176	6.48599	6.29777
MYO1D	10.2062	9.75946	10.1092	9.97545	8.3211	10.5	10.5599	10.3767	10.4511
ASIC2	4.52986	4.90349	4.88113	5.44112	5.35002	5.57109	4.94458	5.25817	5.35345
AA06	4.19628	4.00695	3.79011	4.4683	4.96107	5.12689	4.16989	4.39444	4.33158

CCL1	4.76673	4.63134	4.39281	4.82253	5.11703	5.30548	4.77483	4.8533	5.07097
C17orf102	5.18151	5.03687	4.91873	5.63837	5.55887	5.77757	5.37322	5.77563	5.40208
RFFL	6.81503	6.97448	6.97806	6.82603	6.52133	6.91921	6.69748	6.90623	7.06422
NLE1	7.04143	7.50233	7.3236	7.47646	7.8252	7.19835	7.46919	6.94068	7.15328
SLFN11	7.22996	6.13554	6.69654	6.09644	5.64393	5.70553	6.2311	6.19856	6.16952
SLFN12	5.89533	5.99059	6.32118	5.67334	5.78995	5.13213	5.6462	5.59822	5.61441
SLFN13	6.57119	6.58795	6.60247	6.40885	7.07101	5.97385	5.92404	6.25003	6.16464
SLFN12L	5.90548	5.81116	5.7804	5.18804	6.69119	5.79214	5.69177	5.35508	5.55485
SLFN14	4.47727	3.91405	4.15687	5.25912	6.14527	4.78584	4.88899	4.51438	4.42708
PEX12	6.63267	6.70764	6.71469	6.29968	7.32017	5.77513	6.3837	5.33651	5.96335
GAS2L2	5.38935	4.93945	5.50305	5.76465	5.4391	6.06407	6.00041	5.52922	5.72585
mmp28	7.60309	7.10562	7.623	7.09085	6.40548	7.06074	7.54601	6.79539	7.06378
HEATR9	4.54656	4.73303	4.87247	5.31738	5.66353	5.75623	4.98506	5.13618	5.46111
CCL5	6.9897	6.84173	7.48749	7.15818	7.96246	7.51335	7.25704	7.38791	7.5157
RDM1	4.75495	4.49415	4.75094	5.06244	5.3011	4.86585	4.72615	5.42198	5.14279
LYZL6	3.79273	3.9201	3.96364	4.08327	4.6438	4.43771	3.84323	4.41395	4.21812
CCL16	5.86587	5.88283	5.89823	5.58502	6.07975	5.8135	5.62367	5.95105	6.10139
CCL15-CCL14	6.21574	6.01526	5.65212	5.09146	5.55115	5.11717	5.1198	4.70425	5.37438
CCL23	5.24472	5.84184	6.05705	5.53291	5.32944	5.07767	5.39479	5.15371	5.21972
CCL3	5.83003	5.65508	5.64214	6.18505	6.78602	7.77032	6.26169	6.44494	6.48663
CCL3L1	6.92371	6.78247	6.96349	6.95468	8.18923	8.90829	6.95408	8.16369	8.09547
MYO19	8.70059	8.77228	8.99226	8.60997	6.76489	8.46163	8.43198	8.05866	8.67063
ACACA	9.36428	9.23618	8.80071	8.97391	6.70908	8.51713	8.91259	8.97927	9.42382
DDX52	9.47536	9.23946	9.32833	8.61272	6.52676	8.26336	9.20397	8.60265	9.24199
HNF1B	4.47731	4.69038	4.83387	5.34834	5.86167	5.82103	4.98864	5.34446	5.14939
GPR179	5.9407	6.14704	5.98813	6.49591	6.76479	6.37624	6.0377	6.36425	6.34335

SRCIN1	6.60841	6.90237	6.57205	6.76151	6.42922	6.98092	6.75417	6.91139	6.84681
C17orf96	6.2291	5.80815	5.84664	7.08625	6.1192	7.17651	7.28179	6.6041	6.79812
PCGF2	8.05421	7.78122	7.91467	7.99995	7.03396	8.12311	8.01333	7.6905	7.52974
CWC25	8.42101	8.21534	8.27882	7.27354	6.66395	7.45853	7.80939	8.18544	8.14616
c17orf98	6.31736	6.38419	6.21415	6.5346	7.7153	6.31255	6.6345	6.50777	6.78257
FBXO47	2.96107	2.91615	3.18272	3.28512	4.12829	3.75082	3.2401	3.12792	3.59468
PLXDC1	8.22201	7.32204	7.95278	8.41295	7.70214	7.41586	7.77611	7.2749	7.90784
ARL5C	4.95535	5.16215	4.97688	5.56595	6.08555	5.70538	5.38734	5.43739	5.64504
STAC2	7.48839	7.64344	7.56453	7.27588	6.42546	7.4694	7.0929	7.17699	7.35297
FBXL20	9.91318	9.93478	9.73861	8.66618	7.68894	9.13894	9.01468	9.97848	9.83326
MED1	10.0042	10.0726	10.1525	8.58157	6.06189	7.83898	8.97852	8.58569	8.9234
NEUROD2	5.29866	5.57462	5.74729	6.12741	6.22168	6.97777	6.00704	6.13632	6.28302
PGAP3	7.70266	7.93313	8.02826	7.55529	5.92847	6.58642	7.94163	6.06614	7.21422
MIEN1	8.08394	8.04804	7.8856	8.83953	8.29124	8.67454	8.84076	9.25282	9.00229
GSDMB	7.63944	7.77293	6.95956	6.79823	6.44106	5.91276	6.03354	7.02691	6.3115
ORMDL3	7.00723	7.21662	6.75356	7.25963	6.54838	6.6279	7.11377	7.36066	6.60367
MED24	8.23771	7.94047	8.05334	8.33794	7.45392	7.78214	8.51841	7.61422	8.04716
TOP2A	8.227	7.57463	7.43922	8.07742	5.40319	6.5973	7.46072	7.47035	6.84169
TNS4	10.1989	10.1703	10.8592	10.5608	7.75116	9.78263	10.786	10.0719	10.4826
CCR7	6.09422	5.96533	6.39385	6.51327	6.81593	7.42036	6.78229	6.48606	6.75139
KRT24	4.78123	4.64952	5.06343	5.35712	6.20275	6.95579	4.96326	7.66762	5.64444
KRT25	4.47622	5.10464	4.3892	5.02974	5.98646	4.60519	5.36561	4.60846	4.89508
KRT26	2.97214	3.1285	2.83834	3.65293	3.45507	3.73211	3.71535	3.21048	3.65057
KRT27	4.65339	5.09707	4.70688	4.86929	5.52885	4.85618	4.99777	5.23938	4.90302
KRT28	3.65798	3.90979	3.97645	4.24394	4.25998	4.25073	4.06181	3.9648	4.07129
KRT10	14.0325	13.7854	14.0148	13.5493	11.9164	13.1519	13.2147	10.4035	12.5732

KRT12	3.06607	3.23471	3.16984	3.96868	4.50062	3.15411	3.0404	3.80079	3.41551
KRT20	4.76791	3.99412	4.67757	4.68949	6.11519	4.87836	4.51016	4.65593	4.91991
KRT23	10.8817	11.1224	10.3865	10.5224	10.8652	9.12912	10.2634	10.9302	8.76966
KRT39	4.86225	5.49767	5.17625	5.39638	5.98993	5.103	5.61539	5.43193	5.25623
KRT40	5.28028	5.13054	5.27746	6.02256	6.05325	5.86659	5.82924	6.28069	5.59895
KRTAP3-3	3.07559	3.46691	3.38951	3.5124	4.13135	3.74922	3.63948	4.07261	3.1987
KRTAP3-2	4.94485	5.23147	4.92329	5.10781	6.56823	5.51142	5.22673	5.38882	5.48123
KRTAP3-1	4.36337	4.98723	4.51202	5.29414	6.00673	5.05726	4.70242	4.6847	4.89627
Krtap1-5	6.21101	5.59652	6.26546	6.03722	7.028	5.61214	5.91692	5.54833	5.86387
KRTAP1-3	5.32494	4.95208	5.31743	5.48875	7.50715	6.00215	5.40803	5.77859	6.03189
KRTAP1-1	5.22898	5.18909	5.30094	5.90301	5.90377	6.03471	5.86962	5.23054	5.23562
Krtap2-1	4.82341	5.04397	5.02277	5.25543	5.67209	5.15815	4.88841	4.96763	5.06799
KRTAP2-2	4.97146	4.36375	4.76121	4.81411	5.59481	5.28658	5.11381	5.0706	5.03317
KRTAP2-3	3.35913	3.62816	3.5127	3.71274	6.12823	4.55635	3.50952	6.41277	3.69281
Krtap2-4	3.72795	4.23233	4.04512	4.18357	5.08297	4.14058	4.68849	4.19982	4.14773
Krtap4-8	3.79961	4.59498	4.09846	4.81858	6.36377	5.39121	4.31466	4.76638	4.71116
KRTAP4-11	4.67918	4.74874	4.72763	4.67645	8.88325	4.42525	4.54784	5.03739	5.13432
KRTAP4-12	3.29337	3.1385	3.10091	2.94805	4.34323	3.27873	3.57191	3.42516	2.87429
Krtap4-6	2.77383	2.76688	2.67645	2.51677	4.11442	3.74875	3.11474	2.67101	2.99581
KRTAP4-5	2.64711	3.372	2.54347	3.73446	3.60966	3.13053	2.88941	3.00421	2.9747
KRTAP4-4	4.13575	4.2377	4.11363	4.5143	4.00969	3.89284	4.09241	4.22317	4.26324
KRTAP4-3	4.69898	4.84725	4.83698	4.85809	6.14036	4.87715	4.62241	4.93505	4.82965
KRTAP4-2	4.48353	4.14536	4.44551	5.02438	7.06297	6.37852	6.21949	5.3685	4.96034
KRTAP4-1	4.86746	4.3422	4.73832	5.17767	5.54755	5.10238	4.88012	5.38184	5.45328
Krtap16-1	5.767	5.87678	6.11977	5.96074	8.1851	6.24151	5.7888	5.96147	6.40258
KRTAP17-1	6.06713	6.18409	6.15641	6.70037	7.32397	7.12182	6.26123	6.44683	6.36397

KRT33A	5.83215	5.30068	4.78656	4.74361	6.13462	4.65277	4.73146	4.57686	4.48771
KRT33B	4.66491	5.1862	5.02064	5.50647	6.60445	6.5008	7.12924	5.54888	6.66873
KRT31	7.89003	6.01023	6.56009	7.47004	7.95414	7.66602	7.68247	8.53006	7.67913
KRT37	8.2514	6.18525	6.25903	8.03093	10.7224	7.93173	9.02784	10.1223	9.09457
KRT38	4.90288	5.41239	4.93406	6.05329	6.14177	6.0069	5.28753	5.25835	5.03334
KRT32	5.06762	4.76684	4.7748	4.82754	5.49315	4.67397	4.48864	5.0999	4.86733
KRT35	5.23803	5.33372	5.48485	5.70321	6.19231	6.01123	5.42708	5.74475	5.54793
KRT36	6.38673	6.37927	6.26462	6.59861	7.3127	6.56365	6.51364	6.89317	6.8029
KRT13	5.30957	5.17113	4.74364	6.33948	6.31106	6.14538	5.56899	5.88448	5.96242
KRT15	9.15868	6.64529	6.90526	7.24667	6.74847	6.99293	6.2455	7.27545	6.96097
KRT19	6.79997	6.75225	7.05975	6.75202	7.03869	6.99416	6.72784	6.43855	6.39674
LINC00974	5.19364	5.93517	5.48479	5.97637	6.21197	5.4811	5.19267	5.66393	5.40327
KRT9	9.41499	12.7299	10.1449	11.1352	5.90302	8.22434	10.2612	5.31558	6.59239
KRT14	11.9702	11.6997	11.6467	12.7902	12.2551	12.8813	12.9977	12.6866	13.2146
KRT16	10.7123	10.5811	10.0977	12.7113	12.7857	13.1983	12.7714	12.8951	13.1613
krt17	6.45509	6.20663	5.78988	8.12537	6.92718	8.88008	8.157	8.37405	7.99491
KRT42P	5.48867	5.37385	5.63924	5.90528	7.28763	6.12295	5.99848	6.00469	6.16307
HAP1	5.83452	6.0503	5.91572	6.38468	6.75015	6.48612	6.25872	7.72146	6.42304
JUP	12.3639	12.2663	12.3537	12.7277	12.0732	13.1053	12.8859	12.6411	12.9256
P3H4	6.64282	6.44577	6.67537	7.03444	6.17642	7.20198	7.24871	7.23618	7.01536
KLHL11	7.49421	7.3991	7.52891	7.59548	6.21649	7.52666	7.70594	7.56366	7.11485
ACLY	9.28454	8.73549	9.00475	9.61015	7.64961	9.75746	10.0455	9.50965	9.97334
ZNF385C	5.81555	6.00013	6.13139	6.27976	6.59309	6.31792	6.40144	6.56425	6.55767
DHX58	6.22177	6.1943	6.29692	6.58041	5.70178	6.81416	6.31939	6.57052	6.3994
KAT2A	9.17981	8.82703	9.05138	7.70907	6.73251	7.23817	7.86297	7.21372	7.50481
HCRT	5.95994	6.20471	6.2535	7.18671	6.65933	6.8918	7.34645	6.56128	7.32881

GHDC	6.14067	5.75691	6.02182	6.87682	6.04038	6.1248	6.36102	6.32902	6.26384
STAT5B	7.27132	7.53164	7.55637	6.40519	7.26118	6.17546	7.07175	6.99745	7.25034
STAT3	10.7928	10.4779	10.8027	10.6249	7.80115	11.1848	11.097	11.3132	11.2786
PTRF	8.32615	8.19306	8.6541	8.71264	5.45134	8.80202	8.79257	8.61313	9.0899
PSMC3IP	5.87603	5.64904	5.86233	5.83822	6.27746	6.24557	6.08168	5.92728	6.10332
CCR10	5.19768	5.3627	5.10297	6.02828	5.5301	5.7605	5.73448	5.40738	5.40654
EZH1	9.1118	9.75515	9.32393	7.78923	7.15887	8.6834	7.99977	8.83427	8.62206
RAMP2-AS1	5.9664	5.73689	6.33909	6.06653	6.55809	6.24644	5.97554	6.14026	6.21369
COA3	8.44175	7.88032	7.62739	9.13216	6.80639	8.23224	9.63627	7.95253	8.62534
LINC00671	6.06784	5.93427	5.51922	6.01277	7.40138	6.80824	5.8866	6.17164	6.49373
PTGES3L-AARSD1	5.90796	6.16583	6.39747	6.25568	6.30874	5.98679	6.23307	6.14443	6.08368
VAT1	9.00658	8.49621	8.61199	9.04813	7.61454	8.13069	8.94753	9.20676	8.96082
LINC00910	6.48973	6.84405	6.48554	5.94998	6.71716	6.09845	6.13448	5.72747	6.17095
ETV4	6.38437	6.38588	7.76638	7.15622	6.0612	6.92884	7.63871	7.44374	7.10085
MEOX1	6.82665	6.77782	6.44878	7.23057	7.58127	7.20455	7.16252	7.33827	7.33858
sost	6.25874	6.01882	6.06574	7.19173	7.1392	6.75585	6.73511	7.80192	7.79097
DUSP3	7.78272	7.61611	7.5967	8.30379	7.24838	8.5726	8.19057	7.98741	8.22389
PPY	4.70199	5.32893	5.29263	4.96379	5.13651	4.66802	4.39941	5.34548	5.6667
PYY	6.92023	7.12553	6.75425	7.56537	8.24257	7.77204	7.75869	7.37492	7.61426
TMEM101	6.81428	7.01168	6.61317	7.18769	6.48434	7.36974	7.61061	7.41509	7.23589
LSM12	8.75376	8.5507	9.00569	8.06107	8.42125	8.58313	8.70068	8.51367	8.53671
HDAC5	8.30205	8.55494	8.02977	8.18991	7.14887	8.65961	8.33337	8.66623	7.84073
ASB16-AS1	7.61084	7.7976	7.72868	7.16806	6.36625	7.20148	6.91074	6.49795	7.00523
ATXN7L3	8.20341	7.92389	7.86484	8.70381	6.07491	8.85361	9.02388	8.17321	8.83583
CCDC43	7.69723	7.64303	7.56807	7.68267	5.87233	7.09334	8.05381	7.24953	7.24359
EFTUD2	10.0638	9.68069	10.1432	9.49486	6.74822	8.90562	9.67076	8.98409	9.25534

GFAP	5.79061	5.82931	5.83694	6.64464	7.15308	6.99423	6.21171	7.00745	6.52487
KIF18B	7.25537	6.78314	6.62862	7.23028	6.89824	7.42343	7.17558	7.14284	7.20311
DCAKD	9.08695	8.78927	8.81265	7.26406	6.73125	6.67053	7.55215	6.78475	7.34175
SPATA32	4.51389	4.81818	4.71778	5.14999	5.13571	5.22209	5.25998	5.29219	5.45478
MAP3K14	7.2006	6.38446	6.86208	6.59338	5.95781	6.26113	6.47703	6.12121	5.92655
ARHGAP27	7.70202	7.44494	7.50287	7.72062	6.90947	7.98287	7.73241	7.53071	8.18056
LOC644172	4.26408	4.04631	4.14266	4.48266	5.53224	5.82364	5.09269	4.7926	5.05738
MAPT-AS1	4.8214	4.61862	5.25282	4.042	4.68119	3.51875	4.02047	3.49669	4.06917
KANSL1	9.45376	9.20824	9.33773	8.21481	7.20295	9.33972	8.83607	8.5598	8.52216
RPRML	5.93321	5.53376	5.78036	6.4516	6.17134	6.83688	6.10794	6.07124	6.37831
MRPL45P2	7.14247	7.47731	7.06517	6.68855	5.88063	6.95465	7.10416	6.83032	7.04577
OSBPL7	5.13277	4.77495	5.38882	5.43588	5.18395	5.61497	5.11656	5.45504	4.87987
MRPL10	6.39784	6.28238	6.44686	6.54494	6.67907	6.76479	6.90626	6.58334	6.57811
SCRN2	6.27618	6.61441	6.36926	6.74524	6.18142	6.83916	7.20077	6.44595	6.25048
SP6	7.16646	7.3419	7.12619	7.64683	6.68462	7.73677	7.17086	7.37447	7.76533
PRR15L	6.14945	6.21893	6.80947	5.72601	5.87246	5.69872	5.58741	6.2348	5.7166
mir152	6.80999	6.65589	6.63089	7.71539	6.36811	7.77188	7.43124	6.92464	7.38339
CBX1	7.11859	6.74105	6.83714	6.86448	5.82875	5.99323	6.96624	6.48212	6.26239
SKAP1	5.34978	5.26032	5.45682	5.2798	5.43581	5.26958	5.50562	5.29089	5.00568
MIR1203	4.93957	5.21434	5.67867	5.45137	5.46086	6.05205	5.26316	5.91513	5.80955
HOXB1	4.55529	4.58825	4.81018	5.58785	5.17767	5.48814	5.02971	5.25251	5.53795
HOXB2	6.4187	5.92949	6.35283	6.44646	7.47972	6.09195	6.53529	5.82552	5.86387
HOXB3	6.67043	6.25712	6.37286	6.48943	6.35612	5.50459	6.0844	6.54134	6.29664
HOXB4	5.31464	5.16353	4.77926	5.7888	5.0466	5.81015	6.39876	6.0927	5.60275
HOXB5	5.14413	4.49364	4.6686	4.50673	5.34852	5.21513	5.0372	5.18868	4.7557
HOXB6	5.50279	5.5261	5.44531	6.14605	5.74195	6.0093	5.75888	5.84984	5.84059

HOXB7	5.60832	5.26099	5.31542	6.09133	6.31082	6.59248	6.2208	6.00724	5.64952
HOXB8	5.39212	5.471	5.46871	6.47502	6.72678	6.42173	5.97514	6.27076	6.09651
HOXB9	5.82402	5.61352	5.6935	6.26185	6.40275	6.6921	6.45997	6.72511	6.63383
MIR196A1	4.17113	4.24564	3.96178	4.76437	3.91222	4.67332	4.05778	4.68571	5.14807
PRAC1	4.55874	4.88062	4.32685	4.33436	5.19586	5.00947	4.9835	4.62663	4.56523
HOXB13	5.69687	5.53604	5.6164	6.32058	6.60347	6.91817	6.20088	6.30378	6.05992
gip	4.89274	4.98146	5.17301	4.90049	5.77034	5.35439	5.21681	5.24882	4.93236
ZNF652	9.77332	11.0119	10.0018	7.65656	6.81517	6.90257	7.80344	6.94145	7.01089
PHB	7.37808	7.46719	7.54028	7.59595	7.53045	7.04264	7.79958	6.91472	7.27823
spop	7.72771	7.23131	7.43967	6.51554	6.58205	6.82768	6.69255	6.42859	6.62095
TAC4	6.60974	6.77431	6.44156	6.86443	7.94729	6.64658	6.77225	7.14386	6.82245
DLX3	8.52416	9.56619	8.51863	9.24873	9.32956	8.86395	9.367	9.02811	8.08183
LOC284080	5.19773	5.60121	5.82447	5.78666	5.92218	6.18699	5.50288	5.59439	5.37179
SAMD14	5.61029	5.57872	5.83681	6.02238	6.40092	6.67701	6.23602	5.86691	6.31816
MRPL27	6.768	6.83587	6.66627	7.23493	6.85451	7.12481	7.29748	6.69309	7.18927
LRRC59	9.02879	8.31591	9.18104	10.0881	7.27535	9.70857	10.246	9.41086	9.66571
CHAD	6.49756	6.80951	7.18895	7.32145	7.64356	6.69299	6.59954	6.86449	6.60018
CACNA1G-AS1	6.07353	5.99555	6.03727	7.14553	6.79846	6.85767	7.01463	6.56915	6.84038
ankrd40	7.78599	7.82541	8.06675	7.2617	5.12183	6.58783	7.13666	6.92232	6.75127
SPAG9	9.59348	9.67443	9.65635	9.54585	9.13442	10.407	9.89885	11.012	10.4689
MBTD1	8.53442	8.6469	8.44524	6.84241	5.60776	6.18855	6.97649	7.29906	6.66354
CA10	4.31804	4.50718	4.36408	5.70824	5.80214	5.28388	4.96504	4.96259	5.05194
cox11	6.85767	6.65462	7.15298	7.04111	5.4528	6.74882	7.28674	6.46901	6.65045
MMD	7.46813	6.51286	7.27837	7.34623	5.20236	6.10339	7.51971	7.52815	7.12266
TMEM100	5.37101	5.91255	6.12222	5.28813	5.24361	5.3421	5.26763	5.01233	5.19775
c17orf67	6.05553	6.30327	5.92554	5.45779	5.7099	5.59234	5.61559	5.64995	5.63971

MTVR2	6.79312	6.5519	7.04511	6.18044	6.46575	6.07572	5.70408	6.70281	6.27351
TRIM25	9.57725	9.46687	9.48995	8.97535	7.71922	8.29965	8.96786	9.14012	8.61398
COIL	6.77013	7.01359	6.81709	6.40919	4.8543	5.85031	7.25055	6.78986	6.04773
MRPS23	6.72913	6.60072	6.74739	7.62126	4.91028	6.71739	7.80381	6.1937	5.99903
VEZF1	8.39967	8.42991	8.60482	7.92088	5.84974	6.47667	7.96504	7.40159	7.33698
SRSF1	9.73631	9.5278	9.87166	9.40281	6.12657	8.51115	9.11511	8.71489	9.11638
MPO	5.34317	5.20076	5.38056	6.13262	5.92386	6.41782	5.60775	5.97602	5.89362
TSPOAP1	6.18842	6.3513	6.46879	6.70912	5.94123	6.6588	6.5844	6.36872	6.23667
MIR142	3.723	3.92721	4.17583	4.15847	3.48141	4.53083	3.85206	4.43808	4.03922
SUPT4H1	10.1946	10.2236	10.3131	10.405	9.28568	10.0338	10.4947	10.0574	10.2963
RNF43	7.7306	7.7529	7.2729	7.14652	6.97722	6.59658	7.01133	6.65418	6.54699
hsf5	5.20039	5.5063	5.4112	5.74141	6.25086	5.77496	5.36478	5.65571	5.74342
MTMR4	8.55658	8.68772	8.77876	7.88973	6.4137	7.36536	7.82182	8.49214	7.78572
44443	6.15088	5.54222	5.90797	6.64659	5.50116	6.1039	6.30867	5.5592	5.35539
C17orf47	4.27402	4.21599	4.34187	4.35219	5.39897	5.1348	4.64518	5.19008	4.50977
TEX14	4.93411	4.86836	4.99213	5.61564	5.9363	5.17984	5.30726	5.3197	5.60816
TRIM37	8.13288	8.10962	7.85856	7.80528	6.15972	7.20352	7.63774	7.33082	7.77004
SKA2	7.12745	7.07831	6.99754	7.12228	6.85256	5.94519	7.29156	7.55774	7.31339
MIR454	3.88969	4.64581	3.72397	4.05417	3.70276	3.69829	3.98688	4.75555	3.78536
MIR301A	3.45164	2.81401	2.71054	2.76884	4.03956	3.17689	2.8027	3.10863	2.88057
PTRH2	6.96575	7.06854	6.9876	7.70446	5.49767	6.32327	7.53084	6.4208	6.66395
TBC1D3P1-DHX40P1	7.22537	6.85901	6.82874	6.65268	6.27638	6.80247	6.60614	6.80153	6.54485
MIR4737	9.88447	10.3338	10.1446	9.78933	10.9925	10.331	9.87432	10.7297	10.2346
HEATR6	9.12928	8.81287	9.0283	7.41813	6.97639	6.78854	8.34497	7.6913	7.68636
WFDC21P	6.52527	7.53583	6.62256	5.99549	5.20448	5.22718	5.80224	4.1609	4.86796
USP32	9.09121	9.0346	8.87337	8.43062	6.32372	9.39939	8.95618	9.08061	9.67981

SCARNA20	6.63245	7.12502	6.34043	6.70197	6.26238	7.22356	6.67207	6.93646	7.03073
APPBP2	8.11899	7.78988	8.03678	7.6369	4.82848	7.06477	7.58378	7.12066	7.5148
NACA2	6.35234	6.41685	6.39215	6.24941	7.60695	7.55816	6.50294	6.3789	6.74204
BRIP1	7.53392	7.58549	7.69397	8.00364	5.9429	5.54042	6.67345	6.5348	6.74744
INTS2	7.92794	8.0972	8.09823	7.26258	6.01285	7.01509	7.53852	7.20182	7.33486
MED13	10.1874	10.4105	10.1651	9.59625	6.68885	9.96916	9.5674	9.63277	10.278
CYB561	7.23921	7.11108	7.07939	7.21214	6.17282	7.36158	7.89535	7.01893	7.42281
LIMD2	7.7756	8.26174	7.72231	8.13637	7.91771	7.75626	7.57732	7.86668	7.76039
STRADA	7.56257	7.47374	7.62569	6.88682	5.92236	6.44524	7.09612	6.81346	6.81181
CCDC47	9.784	9.84009	9.70045	9.57504	6.79148	9.91863	10.0655	9.77716	9.63141
FTSJ3	7.65178	7.94416	7.59338	7.70181	6.39131	7.10434	8.3686	7.12669	7.37955
CSH2	6.57098	6.84446	6.52185	7.67646	7.66281	7.53335	7.05334	7.47766	7.29045
gh2	5.92121	6.31942	6.15108	6.65626	6.36617	6.76375	6.83053	6.80625	6.69787
CSH1	5.96616	6.3554	6.50756	6.64431	8.27479	6.64917	5.79869	6.46389	6.64936
CSHL1	4.02287	4.55823	4.12854	5.04927	5.02679	4.69125	4.54042	4.67385	4.52468
GH1	4.15966	4.03227	3.80256	5.01465	4.90479	5.4318	4.90935	4.57812	5.24357
ICAM2	7.67469	7.335	7.96938	7.51634	8.06338	7.46446	7.46368	7.83324	8.03137
ERN1	8.06105	7.90575	7.91592	7.01155	6.30256	8.02044	7.64823	8.34106	7.29902
TEX2	9.44996	9.45202	9.25653	9.42893	7.84231	9.58474	9.37233	9.43971	9.35503
DDX5	11.585	11.2378	11.2446	11.2869	8.18013	10.5467	10.9792	10.6796	11.2058
MIR5047	10.2358	9.90347	9.95431	8.69	5.36694	7.19246	7.93397	9.37444	9.20252
SMURF2	9.4654	9.00102	8.96922	9.30998	5.52852	7.96602	8.37332	9.61286	9.59253
LOC146880	8.36632	7.99554	7.98769	7.91302	6.20505	7.72415	7.54879	8.17868	8.72926
AMZ2P1	6.0424	6.55246	5.95267	5.36921	5.43178	5.19253	5.6167	5.26195	4.9697
AXIN2	7.55241	8.28978	7.5042	6.75033	6.93992	6.56041	7.16386	6.9409	6.67365
CEP112	6.69662	6.94106	6.90099	6.01263	5.4529	6.20608	6.35677	5.81186	6.00253

APOH	4.34877	4.56061	4.06426	4.73348	5.28292	4.63646	4.58188	4.75687	4.54749
HELZ	9.11188	9.09413	9.25702	8.03732	5.85319	7.46079	7.88685	8.1004	8.09604
C17orf58	5.8703	5.50807	5.54941	5.8714	4.66064	6.12	6.32638	5.2663	5.59028
MIR635	5.66926	5.64754	6.32801	5.81846	6.13879	4.66943	5.94054	5.13066	5.53596
MIR4524A	5.47896	6.20177	5.7981	3.27898	2.87132	2.76237	3.12882	2.79402	3.72733
KCNJ2-AS1	5.8522	6.1798	5.77833	5.85902	5.93001	5.99796	5.82299	5.58248	5.46855
LINC00673	7.73207	7.34792	7.12458	7.31894	6.39799	7.35376	7.71274	7.67098	7.47286
LINC00511	4.87636	5.07406	4.93007	5.2617	5.36055	5.54259	5.19268	5.26635	4.88325
CPSF4L	5.76117	6.14537	5.66139	6.53446	7.2524	6.52432	6.35702	6.17007	6.33426
CDC42EP4	7.66278	7.46557	7.48518	8.22748	6.79167	7.92001	7.8607	7.83578	7.60349
SDK2	6.51589	6.39113	6.6976	6.98834	5.72727	6.48804	7.53795	6.72169	6.86563
MGC16275	5.5773	5.37718	5.43233	6.00284	6.23178	6.28501	5.99188	5.65496	5.89342
BTBD17	4.99006	5.0687	5.43503	6.05226	5.67889	6.53509	5.93961	6.01987	5.94257
CD300LB	5.48986	5.92124	5.76717	6.0748	6.82698	6.47119	6.25215	6.24903	5.98623
CD300C	6.71067	6.69476	7.17434	7.15979	7.57597	7.44516	6.80893	7.14801	7.04146
CD300LD	4.90045	4.94644	4.9389	5.38492	5.83283	5.33506	4.75244	5.52706	5.10943
CD300E	5.6087	5.76409	5.68012	6.62657	7.12915	7.01388	6.1119	6.47201	6.75875
CD300LF	5.37443	5.14514	5.44189	5.63212	6.39488	5.68927	4.9693	6.16712	5.72986
FDXR	6.53965	6.52386	6.4745	6.83306	7.07857	7.09899	6.93416	7.01945	7.05197
USH1G	6.85211	6.79234	6.70572	7.76451	6.47739	7.45186	7.35501	6.56086	7.29814
HID1	6.74007	6.99561	6.9148	6.67989	6.46338	7.10277	6.94038	7.29477	6.87682
HN1	7.29434	6.44971	6.38383	8.66661	6.22933	8.17692	8.97479	8.38289	8.38248
SUMO2	8.83243	8.50902	9.01896	8.30953	6.15017	8.19032	9.03426	8.31588	7.97841
MIF4GD	7.81421	7.85854	8.00646	7.42558	6.12916	7.03928	8.20017	6.92584	7.46939
GRB2	8.7195	8.31263	8.63916	8.8574	6.79822	8.87551	9.06227	9.2396	9.00479
CASKIN2	7.31341	7.06918	7.3354	7.59921	6.98999	7.50365	7.92828	7.33414	7.79642

RECQL5	6.94552	6.99643	6.73753	6.65204	6.54809	7.17243	6.89927	7.03017	7.01496
GALK1	7.3711	7.51335	7.08249	8.02983	8.08697	8.5475	8.26972	8.26465	7.87915
MIR4738	3.05173	2.26111	1.93675	2.71504	2.64326	2.39058	2.43801	2.6571	3.41589
UNC13D	6.97192	6.75368	6.96494	8.55311	7.63169	9.75846	8.89781	8.36127	8.77681
WBP2	8.39967	8.44625	8.46573	8.83548	8.0683	9.3578	9.21737	9.4186	9.15878
TRIM47	7.80821	7.46988	7.72093	7.98021	7.16547	7.56497	9.07824	7.81861	7.53031
TRIM65	7.23416	7.50619	7.24368	7.09787	7.02752	7.69707	7.61962	6.97045	6.73436
MRPL38	6.44991	6.06845	6.49688	6.39939	5.77527	6.24422	6.34616	6.58188	6.21691
FBF1	6.90477	6.75596	6.60462	6.97727	7.12192	6.95883	6.75487	6.69133	7.01498
EVPL	8.75492	8.69773	8.6729	9.23233	7.69145	10.0895	9.49569	8.98279	9.45645
SRP68	9.64875	9.18602	9.34123	9.38678	6.86423	9.72707	9.7295	9.27996	9.59492
FOXJ1	5.46946	5.88363	5.94681	6.42621	5.92205	5.74495	5.93731	6.36235	6.05034
RNF157	5.94425	6.13585	6.23617	6.27475	6.68147	6.45702	6.00499	6.3241	6.07586
QRICH2	6.6423	6.38191	6.32438	6.91667	6.52665	6.78886	6.64431	6.99649	7.94506
PRPSAP1	7.47647	7.42741	7.3046	8.07284	6.55494	8.34052	8.13934	8.59137	8.72616
UBE2O	7.90846	7.95274	7.77854	7.97723	7.23495	7.90014	8.03821	8.37878	7.53025
RHBDF2	7.49272	7.18208	7.36446	7.7598	6.39046	8.12341	8.3443	7.73419	8.00268
CYGB	7.32557	7.54057	7.72901	7.55755	7.63319	7.31908	7.37012	7.27987	7.59773
MXRA7	8.29448	7.55656	8.24122	8.01556	6.71418	7.71594	8.11738	7.66918	7.9999
JMJD6	7.04911	6.85568	6.88976	8.1919	6.71035	8.95582	8.11905	8.04264	8.30436
SRSF2	9.89977	9.35775	9.84312	9.41643	7.38759	8.46769	9.22266	8.84971	9.01603
MIR4316	6.11199	5.94522	6.1193	6.89859	6.96768	7.16464	7.01981	6.68142	6.8677
FLJ45079	5.14193	5.41748	5.25204	5.33964	5.42562	5.43724	5.05055	5.48182	5.42225
TNRC6C-AS1	6.36963	6.02481	5.88978	5.74566	6.46243	5.66186	5.8896	5.65133	6.06777
TMC6	6.89682	6.67981	6.59805	7.47583	6.85091	7.43021	7.38404	7.21444	7.32028
SOCS3	8.85017	6.59831	6.88604	8.8846	6.45479	9.90598	9.50581	9.17613	9.01593

CYTH1	7.97401	8.14757	7.80248	7.45133	7.1007	8.38157	7.79111	8.80556	8.51874
USP36	8.41083	8.65316	8.70798	8.62978	8.48326	8.06379	8.45974	8.18906	8.26155
TIMP2	9.50978	9.42199	10.1665	9.49187	8.35231	8.186	9.56298	9.18863	8.77539
CEP295NL	6.5579	6.39358	6.4039	6.27889	6.70982	6.48223	6.14434	6.59098	6.42494
CANT1	7.53598	7.15689	7.38612	7.82784	6.23968	8.24784	8.20202	8.50109	8.6347
C1QTNF1-AS1	4.376	4.25695	4.29594	4.38134	4.84235	4.06035	4.18421	4.40105	4.3916
MIR4739	6.59476	7.02192	6.94249	7.21306	9.61541	7.95218	7.2913	7.93745	8.02613
CBX8	5.78618	5.89273	5.51964	6.59924	6.37793	6.78002	6.49854	6.08387	6.33328
CBX4	7.83394	7.26701	7.57435	7.93555	6.6445	8.01938	8.02686	7.60916	7.73863
EIF4A3	9.29461	8.6419	8.83872	9.43522	9.14558	10.971	10.3296	11.1988	9.5668
SGSH	8.15939	7.65695	8.02555	8.15592	7.35387	8.07825	8.66301	8.10517	7.93153
LOC100294362	5.76981	5.7242	5.90828	6.5616	6.48768	6.76736	6.50475	5.85117	6.42334
NPTX1	5.32069	5.95113	5.63005	8.68799	6.66806	9.92733	7.28593	7.02435	8.76829
BAIAP2-AS1	5.56062	5.24271	5.13941	5.8578	5.3839	5.86468	5.64243	5.78515	5.74299
AATK	6.60776	6.51625	6.65883	7.01103	6.6653	7.69122	6.82834	7.25411	7.13241
MIR657	6.21052	6.17252	6.35653	6.85873	7.37244	7.17601	6.83789	6.46072	7.28187
MIR1250	7.67226	7.56881	7.81329	7.01109	8.66893	6.91426	6.95947	7.98252	7.6924
CEP131	6.9529	6.70635	6.8252	7.73149	7.13705	7.73375	7.38199	7.45974	7.6039
TEPSIN	7.15525	6.7554	6.88749	7.20746	7.16958	6.9415	7.38265	7.18753	7.10997
LINC00482	6.67647	6.84152	6.54145	7.32094	7.81392	7.30976	7.35876	7.65949	7.62329
TMEM105	6.3279	6.53661	6.5021	6.89833	7.30068	6.65686	6.38999	6.52821	6.58543
MIR3186	5.7784	5.88206	5.93135	6.36662	6.03877	6.87599	6.61736	6.10256	6.38968
FAAP100	7.43441	6.81012	7.37839	7.32952	6.79427	7.21149	7.13562	7.18209	7.22197
NPLOC4	10.3689	10.0039	10.2087	10.0352	7.95801	9.72545	10.4133	10.9184	10.4977
ARL16	7.19774	6.93564	7.19132	6.60924	5.80287	6.73638	7.39664	6.99167	6.93548
ARHGDI1A	8.95265	8.38215	9.00564	9.86349	6.9168	10.3207	10.0896	10.3549	9.93844

ALYREF	6.29936	6.21103	6.38433	7.42854	4.91052	7.38581	7.59426	6.45076	6.80649
SIRT7	7.44575	7.31671	7.0189	7.68441	7.50531	8.69096	8.5405	8.56936	7.86977
MAFG	6.14904	5.64742	6.29713	7.13169	6.57362	7.08193	6.62771	7.20058	6.91627
PYCR1	6.85518	6.75661	7.08393	7.51088	7.09125	7.6533	7.44986	7.21241	7.26979
MYADML2	6.25162	6.66492	6.50365	6.95404	8.02912	7.02443	6.75379	7.10612	6.86046
NOTUM	5.66895	5.67561	6.05274	6.69125	6.20778	6.74562	6.41919	6.13563	6.09974
CENPX	8.26501	7.59025	7.89227	8.14855	7.21117	8.4319	8.73819	8.19847	8.00923
DCXR	10.2607	9.98279	10.1054	9.54422	8.43834	8.76793	9.89188	8.24623	9.3193
RFNG	7.33085	7.42228	7.20162	8.4684	7.89096	8.6678	8.64828	7.58139	7.57205
DUS1L	8.0535	7.73192	8.07462	8.06644	6.24516	7.95926	8.50733	7.20664	7.62192
FASN	8.60494	8.32204	8.27635	8.58434	6.71902	8.62716	8.86632	7.7903	8.4655
CCDC57	6.283	6.0547	6.30218	6.47787	6.96077	5.86545	6.56072	6.72292	6.11489
CD7	5.95108	5.93296	6.30872	7.0337	7.15612	6.96777	6.71288	6.64451	6.65712
SECTM1	7.23884	7.09457	7.10178	7.31045	7.34632	7.28384	7.45933	7.56722	7.28126
OGFOD3	7.32711	7.25268	7.4559	7.93912	7.85846	7.58788	7.84456	7.68161	7.28227
c17orf62	7.35826	7.2197	7.33244	7.38536	6.95337	7.72929	7.40446	7.52253	7.43741
WDR45B	9.18218	9.44488	9.4229	9.66934	8.82416	11.0496	10.2309	10.3854	9.99323
MIR4525	9.9637	9.62577	10.1822	8.85926	12.2882	8.7618	8.65039	10.0829	11.0303
ZNF750	11.4418	11.2192	10.9062	11.2604	10.1844	11.1394	11.0924	10.4219	11.0832
ARL17B	8.87441	7.70843	8.09414	7.63594	7.88648	7.3677	6.60673	7.2343	7.56438
MGC70870	5.2647	5.58318	5.72467	6.03083	7.57165	5.95051	5.5258	5.75198	6.05055
USP14	9.81025	9.70762	9.84356	9.22437	5.94073	8.94154	9.92983	8.9407	9.33039
CLUL1	5.13474	5.42286	5.42838	5.18074	5.79582	5.85305	5.42838	5.7251	5.73099
TYMS	6.95344	6.95218	6.81823	7.57759	5.31825	6.96187	7.51904	6.54941	6.66669
ADCYAP1	6.07295	5.5179	6.00507	6.27047	5.96834	6.46468	6.55669	6.10808	6.20514
NDC80	5.68845	5.65513	5.17195	6.14579	4.72574	5.35705	5.65836	5.80977	5.31753

SMCHD1	8.94536	9.12035	9.08516	8.33595	5.60403	7.42962	8.17528	8.51301	8.06785
EMILIN2	6.87609	7.02879	7.52873	7.47286	6.91315	7.55849	7.23604	7.43258	7.45183
TGIF1	7.23674	6.76409	6.90012	7.58147	6.93379	6.68261	7.0504	6.63102	7.00881
DLGAP1-AS1	6.41852	6.17384	6.53954	6.28541	5.91389	5.97392	6.17988	5.83086	6.23273
DLGAP1-AS3	4.57352	4.494	4.22057	4.07261	6.37907	4.64966	4.47674	4.86042	4.47417
DLGAP1-AS5	5.10277	5.08571	5.48733	5.81812	7.62096	5.48843	4.96625	5.42801	5.31317
LINC00667	7.52548	7.0687	7.32676	6.70182	5.66791	6.16049	7.44243	6.07316	6.8026
MIR3976HG	3.22134	3.41606	3.31688	3.33702	4.50455	3.76968	3.43089	3.92742	3.30089
MIR3976	2.81652	2.55815	2.7641	3.45816	3.70413	2.94446	2.72334	2.30025	2.94483
LINC01387	5.32783	5.35278	5.34979	5.84464	6.93775	6.05856	5.91204	5.84636	5.74226
ARHGAP28	6.93429	6.85779	6.779	6.41094	6.49855	6.06254	6.4168	5.92545	5.71244
LRRC30	6.29373	6.5788	6.36944	6.52518	7.93082	7.19341	6.62416	6.40439	6.78075
MTCL1	7.5978	8.32003	7.6039	7.40691	7.23824	6.25762	7.16473	6.81335	6.97374
ANKRD12	9.95145	10.3081	10.2001	8.56938	7.03906	9.11633	9.27094	9.69461	9.40469
TWSG1	8.33524	8.03633	8.10157	8.80577	6.1987	9.65478	8.69762	8.79983	8.19331
RALBP1	9.94593	9.87687	10.0112	9.62274	7.5272	9.86826	10.3289	10.0977	9.93495
TXNDC2	4.78495	4.73025	4.94147	5.02347	6.48088	5.22725	5.20017	5.19913	5.15493
APCDD1	11.1707	10.8062	11.0649	10.4001	8.25069	8.82288	10.707	8.8334	9.4416
CHMP1B	10.0468	9.54689	9.73273	10.426	7.95916	10.5593	10.6078	10.6528	10.3186
IMPA2	9.49939	9.56426	9.82829	9.8906	7.95636	9.95619	10.082	9.761	9.4716
C18orf61	4.38751	4.13112	4.4273	4.33999	5.31891	4.89838	4.35004	4.78983	4.47269
CIDEA	7.40404	6.60352	7.24254	7.6016	6.43231	7.64707	6.86166	7.67038	6.87319
PRELID3A	5.00326	5.18533	4.88217	4.7025	4.73357	4.72017	5.24623	4.98527	5.10573
SEH1L	9.40617	9.09848	9.55586	9.2966	6.16908	8.39536	9.30487	7.95825	8.69569
CEP192	8.00301	8.07687	7.92472	6.80076	5.68832	6.85956	7.21558	7.03265	6.60485
LDLRAD4	6.75644	6.54721	6.8276	6.52358	6.65447	6.37635	6.63566	6.54232	6.50783

RNMT	7.69267	7.61844	7.66754	7.70957	6.59638	9.05928	8.38657	8.51523	7.38268
MC5R	4.59147	4.44497	5.22089	5.0843	6.8638	5.29118	5.00205	4.98971	5.53272
ANKRD30B	2.99664	3.49133	3.39426	3.44362	3.90102	3.38274	3.61153	3.23084	3.26644
MIR3156-2	4.35825	4.59146	4.19847	4.77123	4.63345	4.88713	4.58642	4.50493	4.36166
greb1l	5.34783	5.41803	5.69417	5.27003	5.642	5.3749	5.1872	5.20855	4.95129
SNRPD1	6.09144	6.94984	6.41936	7.55559	3.8397	6.56866	7.61023	5.94873	6.50836
MIR320C1	6.0102	5.64168	5.71582	5.7408	6.11635	6.38944	6.11749	6.06831	5.69631
MIB1	8.1446	8.24201	7.99747	7.99859	6.27837	8.10815	8.3251	8.09829	8.15649
GATA6	6.71871	6.85846	7.18546	6.66849	6.24303	6.76445	6.22685	6.51446	6.52587
RBBP8	9.07421	9.34027	9.29025	8.55139	5.83767	7.98002	8.8708	8.0408	8.37428
CABLES1	8.03569	6.75147	7.14937	5.85747	6.05419	6.15921	6.76582	5.7408	6.27718
RIOK3	10.4146	10.573	10.4046	10.0287	10.1688	11.6342	10.7577	11.6089	10.5531
c18orf8	8.2885	8.15138	8.40652	7.99407	6.47644	8.06296	8.26849	8.87018	8.20259
TTC39C	9.0334	8.96675	8.80592	8.21397	7.14115	7.48343	8.45501	6.13552	7.00378
CABYR	5.67312	5.7621	5.3743	5.50315	5.39099	5.57713	5.61277	5.5823	5.40801
MIR320C2	4.4641	4.25859	4.19365	4.15024	3.4673	4.99554	5.10035	4.16092	3.59873
IMPACT	8.69402	9.10365	9.08152	8.32221	6.24709	7.7721	9.14109	7.89083	8.0892
HRH4	3.59501	3.23327	3.60059	3.35072	5.09752	3.24196	3.13733	3.43224	3.80681
LOC729950	4.65374	4.67734	4.74953	4.70309	4.97606	5.11624	4.57797	4.70562	4.74778
MIR302F	1.86808	1.74544	1.58976	2.64481	1.71283	2.08004	1.92932	1.89558	1.72107
DSG1	13.3145	13.3099	13.3285	12.9527	12.6194	13.1518	12.9654	13.1219	13.2898
DSG4	5.15063	5.29233	5.10758	4.87328	5.84248	5.64116	5.58229	5.40575	5.38038
DSG3	11.4985	10.4821	11.5566	12.5189	12.3189	13.1079	12.7149	13.1345	13.2417
DSG2	7.15927	7.11694	7.70174	7.31775	4.78263	6.84821	7.13865	7.36264	7.12867
TTR	6.25327	6.47249	6.58304	7.04455	8.23101	7.09006	7.00457	6.82486	6.81373
HNRNPA1P10	8.20647	8.32435	8.43317	8.94337	9.60822	8.61516	8.93424	8.3697	8.39883

WBP11P1	4.93894	4.63104	4.46634	5.57868	5.81935	4.94605	5.5544	5.36804	5.51112
ASXL3	5.60191	6.50893	5.78682	5.4096	5.53797	5.59306	5.00558	4.86091	4.77951
ZNF397	6.56063	6.91932	6.60403	5.9723	6.35308	5.61628	6.10711	5.70625	6.14176
ZNF271P	7.06364	7.00338	6.91558	7.30579	5.81808	7.32658	7.52556	7.63876	7.6877
GALNT1	9.96371	9.30377	9.48556	9.63359	8.87702	10.0099	10.2599	10.3547	10.1576
MIR3975	4.57063	3.16134	4.33574	3.08424	2.28851	2.42163	2.86211	4.50658	4.93596
c18orf21	7.85839	7.91895	8.1663	7.55368	6.33734	7.54192	8.09358	7.76269	7.35407
ELP2	8.13422	8.23665	8.00854	7.01345	6.38745	6.30397	7.6215	7.36726	6.55271
MOCOS	7.03239	7.58601	7.15267	7.29857	6.48139	7.31843	7.69174	6.853	7.11668
FHOD3	6.8517	8.18588	6.81891	6.75545	6.70267	6.02635	6.69321	6.27094	6.03673
KIAA1328	8.70402	8.78822	8.54665	7.34207	6.89242	7.29235	7.50036	7.76181	7.15892
MIR4318	3.56542	3.75695	3.91126	4.29651	3.35862	4.20586	3.69103	3.98853	3.70332
SETBP1	8.1171	8.37764	8.00254	7.24377	7.18973	7.41034	7.70756	7.29881	7.88358
SIGLEC15	5.91561	6.26151	6.12873	6.68788	6.64474	6.80998	6.92347	6.95321	6.9999
C18orf25	8.50026	8.28138	8.7093	8.05662	6.58167	7.98767	8.21939	8.61232	8.28062
RNF165	6.37412	5.83802	6.25812	6.12663	6.31078	6.579	5.93343	6.08219	5.86356
KATNAL2	6.22877	6.34352	6.30947	5.63616	5.81163	5.6077	5.77327	5.71681	5.66114
MIR4527	4.02525	4.12725	3.4093	4.34333	4.17694	4.42346	4.28587	4.30284	3.47421
CTIF	7.31307	7.21917	7.38301	6.89689	6.52436	7.65174	7.58243	7.96695	7.89532
MIR1539	5.98053	6.40551	6.14259	6.84792	6.31499	7.52895	7.07561	6.96999	6.95674
Scarna17	10.0798	11.3755	10.5171	10.1703	9.51336	11.2014	10.8945	11.0703	10.4565
SKA1	6.97025	5.87516	6.08696	7.0033	4.75578	5.70415	6.59719	6.24532	6.32543
MAPK4	5.87392	5.91946	5.92452	5.52492	6.37293	5.60869	5.87996	5.48869	5.63489
ELAC1	6.71065	7.0115	6.65382	6.66313	6.53514	5.85188	6.94908	5.92304	5.7147
SMAD4	9.82835	9.78714	9.96738	9.29489	6.30001	7.80505	9.25125	8.36445	9.07248
LINC01630	4.73178	4.58264	4.71224	5.30714	5.96794	5.30836	5.50358	5.10973	5.08635

DCC	4.49295	4.90893	5.25124	4.88638	6.15028	5.10974	4.88363	5.11121	4.86492
POLI	8.01931	8.24068	7.75066	7.05192	5.74392	6.49127	7.52513	6.66817	6.76964
c18orf54	6.47059	6.27997	5.54267	6.02779	4.88283	5.0272	5.79607	6.03025	5.54413
DYNAP	5.34092	5.37324	5.16342	5.62849	6.79823	5.1192	5.39768	4.93842	5.17122
MIR4529	3.78839	3.32418	3.92479	4.52076	4.41881	5.67094	5.41426	6.36936	6.28305
WDR7	8.91066	8.84355	8.77315	7.74306	5.76172	6.70885	7.87372	7.25789	7.39018
BOD1L2	5.25193	4.94016	5.3252	5.73692	6.6324	6.1821	5.93463	5.77146	5.43513
onecut2	6.94368	7.20979	6.86867	7.39519	7.57713	7.31897	7.32498	7.33192	7.57729
LOC100505549	6.67156	6.56125	6.71367	5.77906	6.6298	6.03832	6.33673	6.09017	5.80513
mir122	2.78808	3.08682	2.65649	3.00048	3.346	3.23115	2.94944	2.51568	2.91708
MALT1	8.42615	8.61607	8.40081	8.99664	6.71412	9.5791	9.21864	8.971	9.06995
ZNF532	10.0456	10.0497	9.84174	9.58647	8.52307	8.64655	9.79196	8.53066	9.23501
OACYLP	4.36652	4.03344	4.29705	4.28542	5.55691	5.28779	4.27112	4.6902	4.2225
SEC11C	7.17444	8.27745	7.43926	7.63295	6.16007	7.85375	8.35248	6.52886	7.4252
GRP	6.36547	6.14791	6.34435	6.72943	7.46159	7.08351	6.46805	6.99289	6.54761
PMAIP1	8.6008	6.04794	6.17858	7.17842	6.08703	9.30944	7.61975	9.34483	7.1131
KIAA1468	9.63684	9.99006	9.49103	9.45864	7.69824	9.6631	9.37838	9.67578	9.84233
PHLPP1	8.92559	8.73277	8.77647	8.46247	6.67232	8.24235	8.12334	8.51936	8.59734
HMSD	4.73417	4.9603	4.66846	4.96628	4.71123	4.30417	4.92159	4.59727	4.91728
LOC284294	3.94676	3.9766	3.78123	4.53073	4.76677	4.13833	3.49173	4.02454	4.36696
LOC643542	4.20834	4.20732	4.0264	4.97716	4.78079	4.6994	4.51405	4.50964	4.56524
CCDC102B	6.49764	6.41914	6.78918	6.0783	5.25826	5.18368	5.21381	4.24318	5.37283
DOK6	6.64428	5.90718	6.29427	6.60076	6.17711	7.05552	6.22213	6.53375	6.50988
SOCS6	8.42347	8.44969	8.43746	9.1197	8.008	8.29653	9.15652	8.55665	9.07488
LOC100505817	3.20029	3.05599	3.22643	3.25317	3.49603	3.20778	3.35259	4.64898	3.35151
TIMM21	7.42158	7.43827	7.85991	7.17161	5.42154	6.73033	7.60512	6.44986	6.86677

C18orf63	3.92374	3.65365	3.63721	4.13233	4.44201	4.7244	4.1782	4.01102	4.61629
CNDP2	7.98489	7.51916	7.36643	8.56981	6.9884	9.58904	8.79765	9.5017	8.89611
CNDP1	5.07145	5.44234	5.78776	5.36067	6.49958	5.66103	5.44858	5.61091	5.17651
ZNF407	7.53277	7.71566	7.84143	7.18914	5.77654	7.10467	7.07479	7.3286	7.90514
TSHZ1	7.80726	7.70498	7.92427	6.7783	6.16513	6.95733	7.18197	7.07159	7.22629
LOC339298	3.97757	4.39226	4.27164	4.21403	5.16876	4.84789	4.02663	4.67812	4.28038
LINC00908	6.00863	5.79448	5.79525	5.93086	7.0527	6.31019	5.85135	6.3193	6.20479
ZNF236	8.26494	8.45939	8.08551	7.13276	6.07159	7.12203	7.6227	7.1965	7.55197
GALR1	3.87444	4.04274	4.05195	5.18026	4.40696	4.83739	4.5031	4.60395	3.81576
SALL3	5.24497	5.10432	5.51863	6.11547	5.882	6.59618	5.46012	6.44083	6.03198
Hsbp1l1	9.59534	9.23699	8.82015	9.32829	8.49892	9.83975	9.2145	9.55135	9.86784
RBFA	7.19071	6.83531	6.99089	7.09801	6.2587	6.73975	7.43296	6.59276	6.90139
ADNP2	8.23287	8.05097	8.09241	7.18005	5.51798	7.88002	7.74087	8.2938	7.92279
PARD6G-AS1	5.71643	5.70081	5.95092	6.0831	6.5432	6.5523	5.88093	6.23877	6.54838
THOC1	8.44302	8.47335	8.47477	7.4323	5.68063	6.06727	7.91011	6.39494	7.03335
COLEC12	7.12143	7.24291	8.0896	7.32444	4.81682	5.82198	7.21183	5.96795	6.08767
TYMSOS	5.01275	4.92038	5.00158	5.71377	5.27375	5.80985	5.66704	5.38932	5.36899
ENOSF1	9.2289	9.27957	9.16162	7.99903	6.75374	7.34815	8.20334	7.66229	7.7911
YES1	9.28277	9.21091	9.41723	9.33741	6.61503	10.0383	9.97965	9.86782	9.7829
LINC00470	3.13785	3.06512	2.86983	3.29422	4.31265	3.73663	3.60767	3.17645	3.42267
METTL4	7.46233	7.3711	7.45444	7.03847	6.11058	5.80968	7.28242	6.5768	6.88007
CBX3P2	5.07591	5.47224	5.15158	5.64771	5.2545	5.58924	5.70634	5.48439	5.05814
LPIN2	6.651	6.45671	6.62912	6.64451	6.94317	8.98258	8.10058	7.26553	6.55394
LOC727896	8.93473	9.12745	9.07397	9.80318	7.33527	9.08365	9.37933	9.02163	9.65366
AKAIN1	4.66521	4.79311	4.53102	5.24065	5.88659	5.84881	5.56791	5.18925	5.27627
LINC00526	5.66172	5.51768	5.3883	6.16959	6.1006	6.17654	6.09537	5.7509	5.73741

ZBTB14	7.9112	7.87505	7.74159	6.78466	5.54937	6.04731	7.296	6.37217	6.5248
EPB41L3	7.20962	7.59233	7.42278	8.09031	7.54894	8.02861	8.09605	7.89834	8.65802
tmem200c	5.68552	6.08296	5.8836	6.18426	6.2744	6.38074	6.46997	6.19088	6.24646
L3MBTL4	7.6264	8.46239	7.79574	6.21485	6.12799	6.23184	6.53187	5.56928	5.5035
MIR4317	4.15553	4.44837	3.89671	3.15975	2.37218	3.31905	2.729	2.30738	2.35345
LINC00668	5.54904	5.70436	5.59476	5.9146	6.63803	6.27155	5.8085	5.91451	5.89973
LOC100192426	6.64316	6.56949	6.58225	7.37534	7.55243	7.16667	7.02112	6.97344	6.6175
PIEZO2	5.64869	5.88788	5.44145	5.51719	6.1785	6.10033	6.00971	5.83021	6.0832
MPPE1	8.47752	8.63021	8.45373	7.6392	6.30491	6.96032	7.95932	8.11035	7.31135
AFG3L2	8.34187	8.52456	8.51359	8.16721	6.85271	7.74016	8.65769	7.58377	7.78389
SPIRE1	9.18228	9.13974	8.97482	8.78077	8.51648	9.41663	8.58923	9.72052	9.43387
CEP76	7.99856	8.32635	7.8102	7.76138	5.49041	6.19983	7.02642	5.78396	5.98287
LDLRAD4-AS1	5.83579	6.00307	5.93445	6.14971	7.17	6.46429	5.8276	6.35589	6.16339
MC2R	4.95354	5.18927	5.10618	5.35943	6.34625	5.09449	5.28962	5.01806	5.33279
znf519	5.66862	5.94496	5.89161	4.46598	5.84363	5.13277	5.08224	4.96721	4.31882
CXADRP3	5.91994	6.20527	5.8808	6.06174	6.18859	5.57912	6.30841	5.47804	5.71125
LOC644669	4.45736	4.97918	5.13396	5.52996	7.08382	5.18545	4.40808	5.41175	5.54094
ESCO1	8.31514	8.35598	8.29877	7.47358	6.93266	8.19828	8.04272	7.79168	7.47022
ABHD3	8.15696	7.75839	6.55705	7.6329	5.49898	6.82735	6.86608	8.12467	7.50571
MIR133A1	3.02544	2.62415	3.44967	4.66476	3.63178	4.18572	3.28709	4.13826	3.94903
mir1-2	1.7565	2.03803	1.70533	1.8492	1.65295	2.50295	2.22256	1.8639	1.89238
CTAGE1	4.67739	4.11252	4.37798	4.99302	5.61858	5.18571	4.72274	4.68069	4.84181
TMEM241	7.45179	7.16566	7.15569	6.50772	6.68378	6.19029	6.93086	6.36222	6.60856
ANKRD29	8.8075	8.13334	8.43566	8.87346	7.03097	7.74953	9.3483	7.24596	8.21113
OSBPL1A	8.10398	8.68744	8.13693	8.07139	7.10511	8.05684	7.86462	8.46804	8.15451
ZNF521	8.33862	7.31004	8.20161	6.44454	6.02786	6.00766	6.94761	6.46506	6.66483

KCTD1	9.4074	9.30107	9.38324	9.17162	7.38089	8.51863	9.59857	7.83617	9.10188
PCAT18	4.59392	4.93392	4.77067	4.55621	5.27323	4.89316	4.24208	4.39642	4.18843
AQP4	4.54362	4.59974	4.52275	4.89155	5.56943	5.27514	4.85501	4.99034	4.87458
CHST9	4.96606	4.51822	4.75973	5.44009	5.04158	5.31826	5.29113	5.06478	5.06552
DSC3	12.7933	12.5367	12.6267	12.4094	10.1463	12.384	12.5073	12.4499	12.4853
DSC2	11.555	9.97472	10.8752	12.8061	12.6949	13.432	13.081	13.481	13.6228
DSC1	13.3633	13.5476	13.5502	13.0793	12.2317	12.0291	12.7559	10.8442	12.2568
DSG2-AS1	5.42223	5.01214	5.20538	5.95663	5.94779	5.93044	5.59622	5.82795	5.59934
TRAPPC8	9.19691	8.9982	8.86512	8.45356	6.29575	8.59854	8.69021	9.30601	8.75789
KLHL14	5.17829	4.88511	5.1684	5.1559	6.03382	5.33018	4.83532	5.2871	5.30873
CCDC178	4.0568	4.20798	3.83596	3.28349	3.74439	3.7752	3.44852	3.3006	3.54264
NOL4	4.5432	4.7897	4.5075	5.29675	5.62162	5.38173	5.00533	5.0574	5.34921
ZSCAN30	6.6541	6.27002	6.35118	5.55561	5.80927	5.90963	5.63981	6.36252	6.16897
ZNF24	7.98135	8.09889	8.30161	7.736	5.61481	6.91319	7.76737	6.89923	7.42275
ZNF396	5.84568	6.16692	5.61773	6.03554	5.81104	5.99071	5.72702	5.3762	6.17315
INO80C	6.75584	6.40938	6.66915	7.48052	6.48314	7.57254	7.83604	7.43081	7.92239
mir187	6.27282	6.35819	6.60527	7.22542	7.20465	7.03038	6.53661	7.20295	6.97801
RPRD1A	8.73441	8.90421	8.60674	8.69261	6.10855	7.53584	8.70397	8.51575	8.2431
TPGS2	10.6146	10.3345	10.2018	10.6884	10.1269	10.421	11.0089	11.0463	11.0268
MIR924HG	5.94161	6.10666	5.78953	5.18338	5.21049	4.21841	5.02589	4.15884	4.63714
MIR924	5.43719	6.01247	5.60396	4.91481	7.87612	5.27917	5.60581	5.48217	5.34978
KC6	6.46333	3.61714	4.03794	4.40481	4.27602	4.0061	3.22673	3.51723	4.16769
RIT2	3.99241	4.32559	4.18027	4.75768	5.16673	4.85057	4.647	4.48293	4.34772
SYT4	4.02653	4.15611	3.9492	4.5925	5.20422	4.47426	4.1599	4.55204	4.19792
MIR4319	4.51925	4.15065	4.23563	4.31807	4.33296	4.79272	3.8537	4.18745	4.41812
EPG5	8.59465	8.59333	8.23102	7.96437	6.823	7.70291	7.95418	9.65232	8.69999

PSTPIP2	7.73496	7.90013	7.39533	6.84448	5.37657	5.88962	8.03139	8.37122	7.33088
LOXHD1	5.72785	6.20402	6.07693	6.24683	6.2023	6.25499	5.90544	6.35335	6.2081
TCEB3CL2	5.13795	5.20049	4.92394	5.68336	5.7623	5.5304	6.00883	5.69547	5.95848
TCEB3C	5.8505	5.98885	6.00797	6.89467	7.73719	6.97718	6.54592	6.65562	6.67425
TCEB3B	4.31067	4.14421	4.30661	4.46808	4.86567	5.00136	4.52151	4.2682	4.50064
HDHD2	8.17753	7.95455	7.85055	8.04198	6.74822	7.26093	8.35513	6.40282	7.51076
IER3IP1	8.53221	8.40105	8.68255	8.67477	6.35115	8.37757	9.21585	8.06788	7.89716
SMAD2	9.5081	9.7539	9.78421	9.61051	6.93147	9.43064	9.76984	9.44234	9.37929
ZBTB7C	8.28174	7.56231	7.69804	6.90705	5.5295	5.78456	6.40312	5.39156	4.69231
SMAD7	7.46659	7.33023	7.272	8.13004	6.48506	8.14453	7.50466	8.42603	8.13395
DYM	9.99316	9.94706	10.1416	9.05698	7.78563	8.98393	9.56199	9.43813	9.52837
MIR4744	5.84891	4.90781	4.79236	3.5669	4.3055	4.08051	3.9868	4.40694	4.80886
RPL17	8.38608	8.83899	8.64883	8.83221	8.00902	8.94721	9.19577	8.669	8.59236
ACAA2	7.66685	8.80614	9.06095	7.92493	5.54466	7.79387	8.02161	9.48358	7.76406
MYO5B	9.22869	9.16766	9.07573	9.25361	9.59343	10.5282	10.0717	10.6966	10.2963
MIR4320	8.15012	7.93485	7.39374	5.53097	7.3723	6.46533	5.24029	8.82013	9.36267
CFAP53	4.28561	4.7065	4.69026	4.5471	5.17513	4.88686	4.80431	5.5088	5.20665
MBD1	7.79872	7.50833	7.81093	8.1718	7.54656	9.19185	8.80407	9.99459	9.44438
CXXC1	8.44321	8.61593	8.26212	8.56944	8.23371	9.1568	9.3594	9.92256	9.37392
MRO	5.5739	5.96181	5.68666	5.75405	6.93403	5.96584	5.47553	6.13383	6.08537
MEX3C	9.43959	9.34883	9.44273	9.79971	6.61295	9.02788	9.92158	8.58237	9.30694
MBD2	10.4492	10.8872	10.8741	10.6097	9.62989	10.5997	10.6929	10.5829	10.7254
STARD6	3.22491	3.26277	2.93985	3.3369	3.70147	3.99208	2.9728	3.03792	3.01567
CCDC68	5.58494	5.30308	5.19632	4.58719	4.88231	5.62288	5.18618	6.1888	6.10645
TCF4	10.3692	9.85325	9.96798	8.8843	6.74327	6.99929	8.62025	8.53746	8.58328
LINC01539	4.1767	4.21175	4.11491	4.11294	4.70855	4.40014	4.24443	4.34184	4.23388

TXNL1	9.5778	9.22632	9.46977	9.7838	8.13436	9.39042	9.93979	9.36109	9.70626
FECH	7.71097	7.50947	7.57293	7.03117	6.63572	6.75391	8.12304	6.67836	6.87027
NARS	10.1326	9.84898	10.2124	9.47189	7.32328	9.05723	9.646	9.14174	9.33241
ALPK2	5.48655	5.06778	5.31473	5.72344	5.6763	5.73853	5.71878	5.52786	5.48936
RAX	5.90611	6.03108	6.24663	7.12953	7.09055	7.50925	6.98343	7.40892	7.0134
CPLX4	3.33304	3.23702	3.24632	2.91391	4.17149	3.3995	3.14354	3.55282	3.20087
CCBE1	5.9919	6.35627	6.29602	6.26338	5.9373	6.10474	6.11465	5.99528	5.98749
MC4R	4.37288	4.3253	4.44239	4.99766	6.66518	5.12012	4.70027	4.64085	4.73772
RNF152	7.88134	7.74928	8.01957	7.52828	7.23714	6.76744	7.30459	7.47766	7.12662
BCL2	6.56326	6.7887	6.98456	5.58176	5.87491	5.19888	5.50425	4.88345	5.29393
KDSR	9.08463	9.10897	9.34834	9.14534	6.67826	8.88209	9.337	9.76163	9.12162
VPS4B	8.60907	8.688	8.61797	8.89694	7.0575	9.81941	9.39892	10.2644	9.84105
LINC01538	4.17365	4.79144	4.5024	4.61379	5.80422	4.92813	4.55568	5.01467	4.46971
DSEL	6.95017	6.58058	7.24166	6.36929	6.14325	5.99754	5.81566	6.01087	5.68936
TMX3	7.985	7.62816	7.88539	7.10171	5.2472	6.1173	7.2561	7.00763	7.13303
CD226	5.37944	5.50377	6.04891	5.248	6.68718	5.51846	5.488	4.94253	5.04758
RTTN	7.77749	7.77925	8.18109	6.91747	6.32217	6.17061	6.68679	6.8411	6.46296
LINC01541	4.07702	4.36468	3.72933	4.52707	4.69529	5.14123	4.42548	4.05848	4.16681
cbln2	6.21697	6.53672	6.55121	7.0496	6.99642	6.7247	6.26282	6.8655	7.1769
NETO1	4.70931	4.68633	4.73201	5.536	6.48325	5.15635	4.96764	5.38779	5.54706
LOC400655	3.86058	3.95689	3.58443	4.13691	5.34762	4.66823	4.54784	4.08022	4.22738
FBXO15	5.24882	4.95041	5.02779	5.43905	5.84497	5.92236	5.32707	5.36048	5.47124
CYB5A	11.1921	10.3489	10.6882	10.8213	9.77976	9.80695	11.4283	9.53813	10.4059
LINC00909	5.81585	5.53762	6.00418	6.15582	5.45062	5.3354	5.79986	5.25482	5.5087
ZADH2	8.01214	8.25126	8.27989	8.00202	7.71313	8.48805	8.28573	7.33003	7.95741
znf516	7.21212	7.64986	7.21231	7.00652	6.2705	7.69284	7.39006	7.08907	7.11225

LOC100131655	5.92861	5.99393	6.03862	6.40846	6.23767	5.8984	5.96563	6.28044	6.37518
MBP	7.03782	7.12177	7.35683	7.19509	7.10399	7.78139	7.26291	7.39516	7.53148
PQLC1	7.76111	7.4075	7.562	8.39534	8.41952	8.98892	8.50559	8.66957	8.17657
TXNL4A	9.18752	8.75205	9.23853	9.33906	6.50556	8.81844	10.1074	9.09453	9.19048
PAR6G	9.07902	9.02528	8.79003	8.76025	6.57688	8.64693	9.22657	8.04245	8.40757
MIR1302-3	2.65348	3.68707	2.73098	3.06174	3.64939	3.37914	2.98787	2.83856	2.58069
MADCAM1	5.68432	6.13328	6.05538	6.65627	6.46344	6.71391	6.58968	6.44575	6.44077
TPGS1	5.70206	5.6512	6.12289	7.21183	6.15077	8.02565	7.07316	7.15565	7.16574
CDC34	8.76685	8.91784	8.27301	8.99233	8.15187	9.16623	9.13289	9.26484	9.07283
GZMM	6.60616	6.22068	6.37128	7.44258	7.10262	7.41213	6.94737	7.04618	7.02742
BSG	9.11772	9.34975	9.37181	10.3527	8.99003	10.2762	10.3659	9.99505	10.0249
HCN2	5.31147	5.4593	5.58075	6.57164	5.63904	7.11622	6.55628	6.76605	6.21
fgf22	6.16205	6.43715	6.16047	6.44808	5.81757	6.76782	5.61642	5.93382	6.13396
FSTL3	7.1232	7.0935	7.08252	8.44666	7.28027	8.17767	8.34554	8.2098	8.51475
PALM	6.96591	6.90265	7.53635	7.29066	7.34238	7.70458	7.19943	7.53956	7.419
PTBP1	10.8275	10.5911	11.0976	11.2005	8.07322	10.5088	11.2325	10.395	10.8539
MIR3187	6.45314	5.70769	6.51476	6.29386	6.34116	6.61734	6.55351	6.622	6.69235
AZU1	5.80584	5.77869	6.11255	6.83531	6.44613	6.89642	6.54327	6.70152	6.64729
PRTN3	6.17802	6.08371	6.17064	6.54328	6.21005	6.08103	6.22125	6.5641	6.73852
CFD	7.79897	8.61707	9.54315	7.72989	6.89664	8.30237	7.94486	7.77066	7.45849
KISS1R	6.1772	6.06514	6.16151	7.02866	7.3634	7.78634	6.7754	6.61306	6.67865
ARID3A	6.87841	6.83017	7.11397	7.57999	7.17738	8.63936	7.55781	7.62333	7.59099
WDR18	7.78436	7.84585	7.96975	8.13956	6.46745	8.12413	8.65995	8.07569	8.12145
CNN2	9.63388	9.23596	9.09112	10.7644	8.95418	10.7391	10.9508	10.2673	10.5782
ARHGAP45	6.15534	6.52375	6.67062	6.96971	6.56013	7.58953	6.99156	7.20897	7.19532
GPX4	8.82483	8.35751	9.05691	9.47708	8.46787	8.76956	9.93861	9.19054	8.82799

STK11	7.07798	7.49411	6.9591	7.81133	6.14725	8.02473	7.71022	7.63023	7.3317
MIDN	8.92168	8.13941	8.53958	9.72942	7.52874	9.80483	9.80813	9.50151	10.0139
CIRBP	9.72467	9.95771	10.0974	9.36738	7.22336	9.45585	9.81943	9.00151	8.84225
C19orf24	7.15619	6.9011	7.30895	8.36187	7.01186	8.07069	8.82139	7.50231	7.31256
MUM1	7.80063	7.3325	7.1526	7.32286	6.19662	6.98356	7.23309	6.49547	6.93432
EFNA2	5.44011	5.45275	5.45656	6.58392	5.87602	6.84429	6.47881	6.15129	6.15202
DAZAP1	8.75284	8.57215	8.78508	9.29446	7.18173	9.30978	9.49989	8.81131	8.835
RPS15	11.1853	11.1391	11.4695	11.8054	10.8015	11.4801	11.8236	10.7695	11.3718
APC2	5.98121	5.78852	5.64216	6.72513	6.63101	7.02375	6.53253	6.40083	6.27141
REEP6	7.23802	7.06066	6.60382	7.46353	6.58971	7.68081	8.15759	7.33025	7.09908
PLK5	5.23944	5.42591	5.1075	6.32125	5.78062	6.3772	5.26173	5.58102	5.66278
MEX3D	8.11917	8.5507	7.98638	9.22874	9.58322	8.91335	8.68552	8.8165	8.55816
ONECUT3	5.59948	5.51217	5.87112	5.98282	6.38136	6.26262	6.24118	6.24581	6.1564
LOC100288123	6.4205	6.12795	6.56471	7.29183	6.69219	7.17555	6.88572	7.38322	7.24105
SCAMP4	6.79262	6.89256	6.79329	7.16855	6.24126	7.22037	7.30555	6.86027	7.1284
IZUMO4	6.95225	6.84505	7.04192	7.81155	8.33483	8.09581	7.34889	9.58691	7.37875
AMH	5.67079	6.18866	5.92781	6.46795	5.97083	6.69899	6.27422	6.65558	6.40888
OAZ1	12.4388	11.6718	12.42	12.6133	12.2364	12.4389	12.758	12.5123	12.5176
SPPL2B	7.82612	7.58338	7.34621	8.17801	6.65602	7.48886	8.26535	7.50896	7.63072
THOP1	6.55168	6.55449	6.47266	7.40709	6.22322	7.4236	7.52337	6.90479	7.09155
ZNF554	6.94671	7.10541	6.25025	5.92012	6.32022	6.09616	5.53789	5.4839	5.3122
ZNF555	6.4112	6.9872	6.6049	6.02866	5.49315	6.44276	6.52685	6.04021	5.972
ZNF556	4.78129	5.00749	4.85943	5.52266	5.20497	6.20732	5.09698	5.16604	5.84208
ZNF57	8.11822	7.81139	7.8068	7.12066	5.8082	6.81958	6.93186	5.4078	6.39531
S1PR4	5.81644	5.76259	6.08875	6.75699	6.95652	7.10141	6.32767	6.42568	6.46049
NCLN	7.63234	7.29013	7.69547	8.30855	5.96083	8.47194	8.78937	7.86156	8.03786

nfic	10.1412	9.89494	10.2036	8.74149	7.15189	8.1116	9.50662	8.19226	8.57394
FZR1	8.03346	7.79022	7.60294	8.79691	7.7516	9.82772	9.03727	9.18775	9.01065
C19orf71	6.80374	6.73273	6.76366	7.48267	7.67667	7.37876	7.17291	7.29604	7.33022
HMG20B	7.90688	7.18102	7.37389	7.74613	7.32276	8.40031	8.32777	7.75244	7.52688
TJP3	6.78908	6.89728	6.34133	6.58287	5.85639	5.89604	6.04893	7.06331	5.84622
MRPL54	6.00776	6.48659	6.12937	6.8985	6.78184	7.28797	7.17351	6.64039	6.76973
NMRK2	5.33761	5.4234	5.63115	6.15181	5.87456	6.56301	6.24196	5.74341	6.19604
CREB3L3	6.15964	5.99638	5.90827	6.64117	6.63737	6.33932	5.97573	6.24724	6.09127
ANKRD24	5.2472	5.11858	5.2232	5.60176	6.54415	5.8745	5.26996	5.41015	5.53754
EBI3	5.04982	5.54136	5.74935	5.64314	5.89296	6.5547	5.99504	6.10168	5.98223
CCDC94	8.11919	7.99614	8.01254	8.05522	6.76532	7.37252	8.57277	7.34253	7.90572
SHD	5.48289	5.40643	5.49506	6.29764	6.03251	6.75933	6.31948	6.42031	6.47659
FSD1	5.98863	6.24254	6.235	6.94549	6.4465	7.01584	6.05079	6.81224	6.72111
MPND	6.06401	6.01418	5.9503	6.1404	5.98933	6.45281	7.14092	6.51146	6.24571
MIR4746	6.22726	6.13461	6.53804	7.10847	6.97925	6.96223	7.65028	6.84364	6.72897
HDGFRP2	6.90065	7.05169	7.06485	7.39741	6.68664	7.39364	7.5682	7.19651	7.06794
DPP9-AS1	6.28579	6.04722	6.03131	6.14786	6.17927	6.48914	6.55683	6.13702	6.38581
MIR7-3HG	5.69873	5.61713	5.72087	6.13213	6.43561	6.55233	6.08655	6.20262	6.49443
MIR7-3	4.55819	4.46318	4.23081	4.95372	4.97302	5.07189	4.73933	4.09212	4.64552
FEM1A	8.29051	8.46433	8.19701	8.19968	6.49207	7.92206	8.87536	7.6625	7.8712
UHRF1	6.8452	6.31508	6.86215	7.60831	6.41358	7.25391	7.54356	7.52965	7.16221
KDM4B	7.58913	7.71787	7.52485	7.39927	6.5406	8.07734	7.80105	8.49514	7.87663
ZNRF4	5.39956	5.06634	5.26592	5.85909	5.65167	5.98806	5.81612	5.9445	5.67742
SAFB	8.26109	8.33205	8.12178	7.74275	6.0871	7.62301	8.37548	7.78352	7.55993
hsd11b1l	6.63189	6.36379	6.54691	7.07913	6.27313	6.77003	6.96315	6.64971	6.59904
RPL36	10.1652	10.368	10.4276	11.089	9.90182	11.0504	11.2365	10.2395	10.6071

CATSPERD	5.39496	5.27505	5.16401	5.89253	6.0123	6.43744	6.04644	5.89439	5.60511
NRTN	6.3378	6.78762	6.36354	6.51186	6.35106	6.91157	6.52386	6.833	6.30613
VMAC	6.40902	6.55848	6.30089	6.13671	5.56639	6.30089	6.29178	6.0574	5.90148
CAPS	6.70592	6.608	6.8496	6.91142	6.55414	6.64272	6.54395	6.63837	6.69141
ACSBG2	4.43847	4.7585	4.67952	4.98307	5.86398	4.22867	4.31293	5.01465	4.96521
CRB3	6.99166	7.28166	6.85886	8.17052	7.64011	9.29517	8.46104	8.16898	7.87595
TRIP10	8.34019	7.89025	7.80033	8.59799	7.99541	10.0972	8.91589	10.0374	9.42212
VAV1	5.77282	5.89956	5.98559	6.12212	6.18694	6.52793	6.20747	6.74915	6.06814
MBD3L5	5.77035	5.82555	6.00095	5.84995	8.106	5.69846	5.71345	5.82938	6.1564
MBD3L2	5.84436	5.6568	5.81932	5.89639	7.19428	6.40423	5.91638	5.93574	6.19878
ZNF557	6.35566	6.64597	6.29863	5.52034	4.7476	5.10856	6.46944	5.09841	5.42027
ARHGEF18	7.68303	7.41089	7.46587	8.11644	7.5914	9.3634	8.40433	8.89427	8.38695
C19orf45	5.52931	5.57013	5.37222	6.04639	5.69115	6.21409	5.69657	5.55449	5.97476
ZNF358	7.78589	7.85332	7.93763	7.90171	7.02323	7.18683	7.90354	7.20893	6.50338
MCOLN1	9.15026	8.80347	8.83222	9.0733	8.71585	8.78386	9.03826	8.54835	8.64976
PNPLA6	7.44312	6.78896	6.74865	7.4788	6.73096	7.50738	7.77947	7.3843	7.12219
PET100	6.2363	6.71113	6.52392	7.86535	6.8158	7.57899	7.6241	7.75263	7.04598
STXBP2	7.56651	7.48488	7.4367	8.407	7.58742	8.77619	8.57243	7.8844	8.27373
RETN	6.31201	6.34684	6.50351	6.74001	7.2744	7.3417	6.50371	6.60595	7.27095
MCEMP1	4.85518	4.68589	4.87275	5.10688	5.14689	5.83554	5.46445	5.12677	5.022
TRAPPC5	9.35494	8.75291	8.71164	9.89269	7.98306	9.95056	10.4662	8.76865	9.27706
EVI5L	6.85275	6.77792	6.78808	7.05491	6.07645	7.62543	7.36141	7.49686	7.23557
MAP2K7	7.10887	7.09809	7.08289	7.47272	6.82796	7.85364	7.66866	7.21178	7.28964
CCL25	5.66178	5.73114	5.52625	6.07268	6.23763	5.99546	5.71474	5.89913	5.50821
CERS4	7.80559	7.59059	7.26635	7.49386	7.07211	7.52007	7.88799	7.50842	7.8026
ANGPTL4	7.72645	6.93439	7.11665	8.97079	9.14877	10.3682	8.93721	10.4511	8.94203

HNRNPM	9.14159	9.18184	9.07862	9.5662	6.25154	9.11007	9.72845	9.29722	8.63818
MBD3L1	2.2986	2.49655	2.36197	2.60683	2.82024	3.15042	2.59531	2.72509	3.05882
ZNF317	8.69714	8.60735	8.8003	7.62189	6.82321	7.77299	8.51752	8.02921	8.20538
ZNF559	6.39419	6.44984	6.38654	4.76912	6.47675	5.0608	5.50242	4.85107	5.3953
ZNF561-AS1	7.20815	6.97459	6.1907	6.40174	5.77086	6.06424	7.37181	5.79823	6.38592
UBL5	7.49943	7.33647	7.65974	8.47732	7.11646	8.16663	8.72221	8.38995	8.32513
RDH8	5.49121	5.18898	5.67128	6.04918	6.77345	6.40437	5.53432	5.94333	6.19577
c3p1	6.04228	5.9287	6.12701	6.34119	6.69078	6.89714	6.43794	6.63003	6.59993
c19orf66	7.90461	7.59079	7.22224	7.85175	6.83563	7.38845	7.61934	7.08434	7.05396
MRPL4	7.62021	7.23036	7.66179	7.80299	6.73829	7.18899	8.63466	6.97452	7.48715
ICAM1	7.36482	6.82298	7.22018	6.93071	6.07018	7.57239	7.11604	8.04003	8.72521
ICAM4	5.30609	5.26849	5.01724	6.05523	5.91921	5.87392	6.00531	6.05445	6.12452
MIR1238	8.85338	8.94144	8.98701	10.5935	11.1559	11.289	10.186	10.3523	10.1978
QTRT1	7.42848	7.69623	7.53175	7.55911	6.48866	7.0549	7.69368	7.11501	6.77062
DNM2	8.31175	8.22783	8.20678	8.23927	7.26345	8.35652	8.19449	8.38099	8.28099
MIR4748	7.72318	7.76332	7.52523	7.68554	7.72125	7.82187	7.57164	7.52954	7.59088
C19orf38	5.66919	5.74814	5.68723	5.96738	6.93874	6.32114	6.23945	6.00042	6.00313
CARM1	8.63823	8.13563	8.43946	9.05813	7.17955	9.2053	9.51801	8.88789	9.04435
LDLR	9.52885	8.58599	8.95726	9.99346	8.11835	10.2666	10.0646	10.7039	10.9548
Angptl8	6.71988	6.33288	6.75755	7.29469	7.12867	7.43489	7.14957	7.27483	7.01898
TSPAN16	4.74938	5.0876	4.99497	5.42559	5.51175	5.57337	5.15756	5.36736	5.0529
CCDC159	6.21209	6.19191	6.01277	5.99856	5.91357	5.65205	6.54145	5.96427	6.58673
PLPPR2	8.35637	7.66255	8.08016	8.88543	8.04787	9.12764	9.14942	9.17999	9.04276
SWSAP1	6.65678	6.48491	6.36922	6.84679	6.43045	6.87364	7.42731	6.53095	6.8172
PRKCSH	9.75293	9.27559	9.41607	9.60858	7.31548	9.46155	9.84045	8.91603	9.03233
ZNF627	7.04997	6.68603	6.49427	6.6485	4.93117	6.4693	6.87591	6.38518	5.86184

ZNF441	5.36419	5.70826	5.90066	4.39849	4.08527	4.47245	5.0216	4.8806	4.67016
ZNF491	4.90904	4.90575	5.2914	5.36568	5.35688	5.77961	5.38382	5.9087	5.80005
ZNF440	8.85118	8.2584	9.21212	7.12464	5.85032	7.59854	8.40723	7.8807	7.88771
ZNF439	6.46557	6.8295	5.88249	6.67262	6.33992	6.76648	6.42894	6.7216	5.96532
ZNF69	5.21853	4.85264	5.23347	4.47614	4.59565	4.78635	4.92601	4.6145	4.54373
ZNF700	7.36753	7.26338	7.13135	6.52741	5.8	6.15123	6.4527	6.76872	6.71491
Znf763	5.72695	5.93547	6.27443	3.86522	5.54811	3.77504	4.87255	4.63667	4.91226
ZNF844	7.69439	7.47938	7.08517	6.59602	6.49409	7.23735	6.49305	6.45341	6.57399
ZNF788	5.4833	7.05505	6.67244	6.25627	6.32294	5.80364	6.24344	5.94001	5.70037
ZNF136	6.2898	6.19065	6.30199	4.77624	5.45928	5.24508	5.20028	4.72445	5.35049
ZNF791	8.53252	8.53913	8.46241	6.46375	5.50609	6.48667	7.36573	7.10856	7.2333
WDR83	6.58551	6.38318	6.51216	6.68222	6.45665	6.69362	6.76574	6.77642	6.59387
BEST2	5.10306	5.12959	5.11692	5.54062	5.37307	6.13902	5.50192	5.74128	5.48038
JUNB	10.8532	9.14242	9.13761	11.1727	10.7261	12.0323	11.2695	11.6184	11.276
MAST1	5.77591	5.83916	5.56283	6.42123	5.73125	6.64387	5.67428	6.23399	6.09961
GCDH	6.92006	6.79226	6.83393	7.16364	6.07098	7.23642	7.00179	7.07815	6.93145
CALR	11.9668	11.6754	12.005	12.1817	10.6963	12.3297	12.1399	11.8346	12.2851
RAD23A	8.66619	8.42827	8.81572	9.31448	7.12682	8.57831	9.29869	8.31641	8.40184
NFIX	10.3365	10.1817	10.1174	7.91564	6.20265	6.91189	8.91569	6.82616	6.94045
IER2	8.44551	7.24226	6.82282	8.82036	7.35006	9.55361	9.03083	8.92919	8.67745
CCDC130	8.98681	8.94936	8.93563	8.68618	7.98968	8.95932	8.68547	8.57472	8.67804
mri1	8.72939	8.62493	8.54295	8.06811	6.29936	7.85866	8.06996	7.91679	7.75562
c19orf53	11.1984	11.519	11.2246	11.4659	11.0084	10.7259	11.4838	10.7714	11.4215
mir181c	5.83064	6.25551	6.21133	6.49734	7.32207	6.68116	6.03045	6.7687	6.55683
Mir181d	6.51674	6.6577	6.77423	6.88804	7.29964	7.57259	6.76031	7.46159	6.97737
NANOS3	6.16592	6.00166	6.16142	6.60601	7.09028	6.93701	6.59674	6.92269	6.81792

cc2d1a	7.65937	7.35605	7.33514	8.11008	6.86737	8.32088	8.25156	8.05132	7.9199
DCAF15	7.54007	7.87424	7.87107	8.31695	6.69977	8.66144	8.26829	8.13076	8.13095
RLN3	5.29439	5.74707	5.55883	6.2921	6.54123	6.51414	5.85638	6.48185	6.21868
ADGRL1	5.70857	5.95095	5.93063	6.47357	5.8925	6.55929	6.3957	6.63928	5.87295
ADGRE5	7.09276	6.60363	7.3717	6.35436	6.12526	6.96583	7.12789	7.55874	6.7046
PKN1	6.49349	6.322	6.60087	6.73398	6.28553	6.88294	6.59899	6.72962	6.77811
ZNF333	6.30825	6.55692	6.36954	6.14884	5.98932	6.11128	5.90861	6.38656	6.054
CCDC105	4.72578	4.74628	5.17952	5.67534	5.25319	5.71505	5.25008	5.26974	5.25008
UCA1	6.44153	5.94507	5.80138	6.99969	6.86189	7.63094	6.70755	8.96089	8.73515
LINC00905	5.57051	5.6472	5.83569	6.24149	6.94451	6.64411	6.10291	6.34677	6.51489
LINC00661	4.73563	4.99793	4.9575	5.30699	5.58538	5.41441	5.01696	5.12694	5.03482
TPM4	10.1885	9.49903	9.83316	10.2876	8.87588	10.6209	10.5607	10.9116	10.9983
KLF2	7.83416	7.8323	8.36465	8.47661	7.78845	9.22462	8.42736	9.52042	9.04153
c19orf44	6.12646	6.21912	6.07544	6.50463	6.17905	6.78131	6.16938	6.14466	6.00795
TMEM38A	5.6629	5.45492	5.57791	5.70233	6.00249	5.73787	5.86701	5.99244	5.72825
NWD1	5.14255	5.20387	5.49737	5.9875	5.40295	5.63098	5.57492	5.35577	5.18029
SIN3B	8.31995	7.88763	7.82282	8.23275	6.57265	7.92571	7.98609	9.0198	8.20196
F2RL3	5.43481	5.7285	5.47255	6.39568	5.60086	6.60745	6.28236	6.67846	6.2527
MYO9B	8.53119	8.2379	8.38833	8.42267	7.22161	10.313	8.91903	9.62416	9.39071
USE1	8.03574	7.66908	7.60303	8.5462	6.53467	7.95446	8.57978	7.47414	7.93556
OCEL1	7.74338	7.37325	7.32317	7.74931	7.41834	7.51896	7.78214	7.45613	7.33857
BABAM1	8.16081	8.23715	8.17568	8.55038	5.92761	8.15198	8.62992	7.72612	8.05247
ANKLE1	6.25676	5.90275	6.17435	7.3923	6.84429	7.41824	6.79882	6.96513	6.97373
MRPL34	9.39299	8.93215	9.09996	8.88087	7.13389	8.42808	9.12671	8.24128	8.11324
DDA1	9.00684	9.13694	8.54803	9.51402	8.94194	9.21664	9.59976	9.73826	9.78705
GTPBP3	7.30922	7.22124	7.55415	7.15679	6.92537	7.23972	7.02081	6.94382	7.00924

PGLS	7.01715	7.325	6.89971	8.25985	6.98087	8.1866	8.83326	7.90403	7.95633
COLGALT1	8.66599	8.52673	8.64973	9.21312	6.43036	8.28779	9.20209	8.62978	8.74849
MAP1S	6.86606	6.9147	6.85611	7.60918	6.78869	7.26566	7.43411	7.10505	7.25984
FCHO1	7.20268	7.07729	6.80476	7.30573	6.1663	6.27224	6.38736	6.56418	6.67229
RPL18A	12.4627	12.4754	12.7621	12.3284	12.2519	12.2817	12.5516	12.1231	12.3483
CCDC124	9.05469	9.16752	8.69451	10.2067	9.3998	11.0614	11.0147	10.4836	10.0466
ARRDC2	6.9416	6.73783	7.26796	7.29275	6.58405	7.59461	7.38091	7.19159	7.11177
MAST3	8.55011	8.13297	7.72944	7.35507	5.72551	6.48963	7.58157	7.0269	7.15385
MPV17L2	7.13572	7.02554	7.32141	7.49546	6.92196	7.31831	8.24121	7.0206	6.99909
MIR3188	6.01002	5.43882	5.84765	5.72906	4.94159	5.17191	5.54036	5.11584	5.43873
GDF15	6.01051	6.18284	6.37277	6.81742	6.71562	6.79389	6.67883	6.54239	6.79607
MIR3189	2.68771	3.16799	3.05556	4.08021	3.32703	3.96487	3.34291	3.82894	3.39238
SSBP4	7.16176	6.94209	7.41011	7.48656	6.63794	7.27647	7.64815	7.45376	7.46292
KXD1	8.43826	8.3684	8.55694	9.03163	7.64128	8.92253	9.08897	8.58597	8.82005
UBA52	12.4022	12.451	12.6343	12.7529	12.5953	12.7829	12.9948	12.4595	12.6456
c19orf60	7.2788	7.63884	7.86344	7.73943	7.1988	8.17691	7.82494	7.21478	7.3495
TMEM59L	6.11713	6.12892	6.00741	6.63168	6.83746	7.12938	6.58651	6.86791	6.69234
KLHL26	6.59215	6.63118	6.58183	6.829	5.98835	7.25526	7.22142	7.05195	6.70034
CRTC1	7.24075	7.0546	7.09944	7.55674	7.15979	7.42566	7.50418	6.88916	7.1856
UPF1	8.65986	8.64328	8.34209	8.50333	7.05565	8.09812	8.78032	8.45858	8.30453
DDX49	7.35218	7.35951	7.40235	8.00555	7.21918	7.50233	7.86239	7.3297	7.28045
ARMC6	7.10892	7.24476	7.22951	7.56334	6.92285	7.27557	8.00655	7.25385	7.17496
RFXANK	7.49895	7.69729	7.61938	8.1814	7.42108	7.91707	8.02197	7.64894	7.60313
NCAN	5.61971	5.8748	5.80427	6.10519	6.73708	6.53664	5.98232	6.41194	6.106
MAU2	8.91574	9.00179	8.96238	8.76089	7.50141	8.92279	8.8309	8.90898	8.53101
GATAD2A	8.12567	8.04207	7.85077	8.17225	6.59099	8.37366	8.53708	8.61866	8.41149

MIR640	6.12132	5.94076	5.82793	5.92723	5.45372	5.64573	5.66432	6.44026	5.74046
CILP2	6.271	6.24477	6.33481	7.27275	6.58276	7.42897	6.72288	7.41073	6.76901
ZNF101	6.1178	6.48213	6.36025	5.90195	6.01794	6.39688	6.32526	5.74435	5.6637
LINC00663	4.82604	4.93141	4.52843	5.3472	6.41251	5.39205	5.32176	5.01632	5.04478
ZNF253	7.7004	8.23459	8.33859	5.96465	4.84847	4.59382	6.69283	5.14382	5.6854
ZNF93	7.03962	7.79337	7.01845	5.97106	5.56157	5.96451	6.5518	6.1151	6.10022
ZNF90	6.1465	6.0468	6.35479	5.60511	5.96471	5.20665	5.34645	5.27052	5.47254
ZNF486	5.88171	6.96943	6.23176	6.00201	6.09564	5.57934	6.54433	4.99497	5.78007
ZNF85	6.97532	7.25048	7.18946	6.96948	6.96048	6.64881	6.61525	6.70152	6.50261
ZNF430	6.60421	6.3863	6.72663	4.81739	3.09697	6.33553	6.72383	6.32354	5.91868
ZNF714	5.79825	5.85403	5.61086	3.42864	4.49985	3.80047	5.07038	4.09675	4.92274
ZNF431	8.90337	8.54836	8.44629	8.20721	8.05555	9.09155	8.17274	9.56008	9.16405
ZNF738	7.52743	7.54798	8.21286	7.06492	6.90615	6.31765	6.72679	6.37637	6.39364
ZNF493	6.81625	7.54694	7.16861	4.08132	5.20385	4.3813	4.35387	5.18935	4.98309
LINC00664	4.79576	5.06963	5.12993	5.07965	6.08539	5.34577	4.92707	5.18332	7.28347
ZNF429	6.4117	7.71742	6.63577	5.45688	4.43063	6.51332	6.59952	4.74191	5.50886
LOC641367	5.03413	4.73674	4.83403	5.05436	4.73031	4.90756	4.57474	5.14168	5.2054
ZNF257	4.91942	5.28704	5.38232	4.08819	4.39773	4.6967	4.29153	4.60421	4.43818
Znf729	3.8535	3.79149	3.95526	3.94767	3.85015	3.85665	3.96352	3.72595	3.93776
GOLGA2P9	3.10453	2.88427	2.61324	3.50536	2.89261	3.21906	2.92157	2.64147	2.85119
ZNF492	5.36814	5.59934	5.3106	5.19955	5.87076	5.07038	5.72755	5.03227	5.13828
RPSAP58	8.01313	8.86899	7.94038	7.78412	6.80891	7.89049	7.27407	7.98375	9.03639
ZNF254	8.38488	8.06063	8.20169	7.16177	5.65356	7.3051	7.65991	8.57954	10.1845
LINC00906	5.06613	5.24938	5.06557	4.97275	5.88344	5.51593	4.99711	5.21156	4.94327
LINC01532	4.34391	4.66923	4.46428	4.62474	5.15963	4.71778	4.69783	4.71853	4.96413
VSTM2B	6.04271	6.11553	6.07163	6.66356	6.72735	7.44922	6.66855	6.84874	6.65508

CCNE1	6.18539	5.99227	6.16146	7.59974	6.39576	8.60363	8.19971	9.45378	7.74911
ZNF536	5.09068	5.47544	5.42111	4.83677	5.16958	5.47907	4.94683	5.06569	5.10605
ZNF507	7.9965	8.47553	8.47345	6.21841	5.42517	5.81367	7.3082	5.9913	6.23288
DPY19L3	8.44974	8.28995	8.68766	7.59529	5.21099	6.2992	8.0345	6.61746	7.03062
PDCD5	7.57916	7.99311	7.97154	8.2027	6.43787	7.79515	8.4125	7.38867	7.56281
RGS9BP	5.98194	5.78814	5.60246	6.80994	5.80011	7.18802	6.34895	6.58871	6.4789
NUDT19	7.70957	7.76324	7.96791	7.43091	5.65759	6.93426	8.00837	7.22846	7.26851
TDRD12	4.39755	4.51012	4.56517	4.43691	4.81411	4.51042	4.73848	4.66479	4.72589
FAAP24	5.54364	5.19658	5.72692	5.93253	5.53969	6.03513	5.74396	5.82558	5.41784
GPATCH1	7.68116	8.00042	7.68918	7.41562	6.45611	7.08927	7.48367	6.69506	6.97346
WDR88	5.18557	5.26876	5.37225	5.52879	5.98434	5.50495	5.25928	5.62994	5.4249
LRP3	6.14633	6.20116	6.31134	6.30938	5.43067	6.76407	6.75389	6.10291	6.14526
CEBPA-AS1	5.52224	5.55594	5.33208	6.11479	6.21676	6.00711	5.99983	6.12278	6.31619
CHST8	5.57096	5.65518	5.76281	5.94454	6.20488	6.55122	6.34204	6.28944	5.96345
KCTD15	7.6108	7.44902	7.39368	7.65805	5.48842	7.50967	8.18383	6.72927	7.2747
KIAA0355	8.89671	8.61569	8.69015	8.59347	6.96218	9.46113	8.4329	9.17115	9.41406
GPI	9.77322	9.25622	10.1827	10.0973	8.45991	10.499	10.0682	10.0609	10.1349
PDCD2L	7.32544	7.28728	7.45215	8.04574	7.23243	7.91411	8.27031	7.40864	7.5803
UBA2	9.91935	10.0742	10.1638	10.0175	7.73431	9.88839	10.4402	9.60697	9.83142
WTIP	7.53119	7.64478	7.43196	7.79642	8.34701	7.80707	7.64663	7.71816	7.72101
ZNF302	6.95329	7.20978	7.41712	5.45626	4.59388	4.89663	6.19961	5.69399	6.10696
ZNF181	6.57439	6.80361	7.11572	6.57857	6.89859	6.05949	6.53737	6.16868	6.26701
ZNF30	5.00168	5.12127	5.06923	4.86587	5.48254	5.28214	5.25892	4.31351	4.56279
GRAMD1A	7.17471	6.89779	7.04441	7.42353	6.76371	7.25727	7.16507	7.43814	7.22144
HPN	6.28472	6.33611	6.59402	7.239	7.617	7.30314	6.83282	7.06142	6.85251
FXD3	8.17866	8.62721	8.25824	8.23674	7.96968	8.18334	8.69986	7.57786	8.27084

FXYD1	6.85064	7.11951	7.06937	6.99994	6.69665	7.07393	6.9547	6.87963	6.59171
fyd7	5.93381	5.91571	5.83984	6.17181	6.32783	5.99996	6.02959	6.09154	6.1499
FXYD5	6.47159	6.23989	7.1034	7.69878	6.45638	7.37373	7.30311	8.07944	8.16123
LSR	8.32174	8.08205	8.13219	9.24849	7.85829	8.68294	9.19469	8.55816	8.94063
hamp	7.01104	7.20529	6.98281	7.31849	8.73826	7.30511	7.04303	7.09994	7.0908
MAG	5.1905	5.40298	5.19676	5.71844	6.00088	5.79236	5.91986	6.0195	5.92301
CD22	5.25679	5.26664	5.71687	5.87468	6.36369	5.45321	5.81566	5.70163	5.81446
FFAR1	6.74935	6.88522	6.82236	7.48279	6.72709	7.90655	7.48773	7.22014	7.12311
FFAR3	7.49014	7.28182	7.19456	7.51017	7.74336	7.80048	7.53694	7.60492	7.46675
LINC01531	5.29273	5.35057	5.17198	5.32971	6.29568	5.8602	5.06891	5.41596	5.25011
FFAR2	4.88761	4.72356	4.13448	5.12843	4.77055	5.8721	5.19874	5.23742	5.2091
TMEM147	9.97243	10.1538	9.86974	10.6922	10.2282	10.1824	10.8429	10.0769	10.2278
RBM42	7.88642	7.86313	7.67276	9.02992	7.67895	8.49236	8.83916	8.34119	8.32109
ETV2	5.52425	5.70021	5.66986	6.56112	6.40328	6.70609	6.25124	6.30052	6.15108
Cox6b1	6.94501	6.83484	7.2772	8.39636	7.38236	8.76856	8.4201	7.7862	7.65342
UPK1A	8.24845	10.3933	7.46746	9.51991	11.6867	8.61863	5.60754	7.36701	6.00856
ZBTB32	5.55967	5.78716	5.974	6.06614	6.60269	6.45264	6.39426	5.88875	5.71694
KMT2B	8.00669	7.86467	7.80432	7.34963	6.32596	7.64478	7.51715	7.32244	7.22851
PSENN	10.8712	10.5573	10.63	11.4375	10.5599	11.5537	11.6878	11.5474	12.068
LIN37	8.17061	8.34353	8.14007	8.82258	7.32444	8.52286	8.92937	8.67826	9.15091
PROSER3	7.09685	6.76133	7.22476	7.32182	7.16701	7.54195	7.34738	7.26928	7.50899
arhgap33	6.94984	6.43733	6.47632	6.89771	7.33825	6.74295	6.78962	7.29348	6.7038
KIRREL2	5.57073	5.75079	5.69236	6.42	5.97873	6.26159	5.9126	5.92321	6.09256
APLP1	6.01329	6.19457	6.21247	6.73087	6.56792	7.21005	6.54269	6.81292	6.50522
HCST	6.44277	6.6042	6.78601	6.46576	6.96784	6.76247	6.69115	7.01792	6.87387
LRFN3	6.38214	6.3903	6.21952	6.5089	5.405	6.84778	7.10262	6.67516	6.81124

SDHAF1	5.9248	5.60955	6.05032	6.52474	6.19105	6.59027	6.49864	6.16414	6.33911
WDR62	6.85094	7.05814	6.90084	7.30037	7.23552	7.15189	7.58436	7.10641	7.32706
TBCB	8.37003	8.1207	8.3868	8.83247	6.45588	8.38218	9.0555	8.56629	9.09222
ZNF146	8.17312	8.11069	8.04322	7.31819	4.79467	6.77083	7.6065	6.91265	7.03351
LOC644189	5.30061	5.67782	5.66608	6.14885	6.29356	6.51132	6.19426	6.2827	6.41604
LOC728752	5.02399	4.96432	4.79159	5.11403	5.89151	5.72406	5.33716	5.47544	4.92417
ZNF382	6.12851	6.21255	5.80665	6.4073	6.18087	6.7525	6.57869	6.35925	6.5299
ZNF567	6.52441	6.45395	6.45434	4.69082	3.90783	4.48327	5.55751	5.16575	5.10503
ZNF790-AS1	7.11602	7.64713	7.24473	5.18489	6.49557	5.29006	5.96728	5.70523	5.01324
ZNF345	6.56833	6.55157	6.72883	4.84849	4.84328	5.2007	5.43206	5.40429	5.33691
ZNF568	6.01267	5.85174	5.97825	5.5858	5.85216	4.69159	5.1589	5.50568	5.23895
ZNF420	6.07173	6.63546	5.98571	5.86748	6.51732	5.63247	5.5468	5.36107	5.12823
ZNF383	7.74342	7.88632	8.04734	5.16923	5.59204	5.29828	6.34323	5.5753	5.37894
ZNF527	6.20159	6.65014	6.57447	5.54293	6.13575	5.5089	6.02831	5.33545	5.36896
ZNF570	6.96831	7.4569	7.17645	5.65969	5.66856	5.25664	6.16051	5.09938	5.36441
ZNF793	6.76305	6.07686	6.66936	5.83127	5.87762	5.65951	5.29893	5.45728	5.55798
ZNF540	5.5194	5.97458	5.69056	5.14648	6.18762	5.59345	5.34216	5.56681	5.28867
LOC644554	4.45302	4.82951	4.57266	4.00249	4.56711	4.71322	4.31797	4.07737	4.31362
SIPA1L3	8.64435	8.8192	8.6095	8.02691	7.40821	7.49851	8.08185	8.23172	7.75399
C19orf33	10.3132	10.102	10.2163	11.3429	10.9863	11.4518	10.9032	10.34	10.7323
CATSPERG	5.65544	5.70054	5.34855	5.6084	5.68953	5.84046	5.66137	5.74706	5.91271
RYR1	5.79883	6.00878	5.77824	6.56893	6.11073	6.5957	6.31095	6.39288	6.23045
MRPS12	6.19998	6.20494	6.23101	7.12221	6.59875	6.59603	7.1839	6.56055	6.58885
ACP7	8.20369	7.63726	7.04041	9.20072	10.0236	10.6119	9.73512	9.46478	10.1782
PAK4	7.45608	7.09949	7.41721	8.37885	7.64557	8.83079	7.86121	8.25964	8.07217
NCCRP1	12.4094	11.7132	11.8748	12.3025	12.7338	12.4586	12.5347	12.5322	12.1391

SAMD4B	9.02777	8.60489	8.83414	9.23936	8.23475	10.3246	9.46278	9.94868	9.99802
MED29	8.55159	8.63097	8.50153	8.8449	8.45484	10.2461	9.30631	10.3171	9.40596
SUPT5H	8.5777	8.27003	8.44308	8.68761	7.53617	9.24591	9.1491	9.6093	9.08028
TIMM50	8.7121	8.45255	8.852	8.98142	6.8688	8.19042	8.86894	8.166	8.70619
DLL3	5.06294	5.48218	5.16923	5.84494	6.02339	6.15233	5.87142	6.31427	5.9934
SELENOV	5.15281	5.48815	5.58465	5.80363	6.24069	6.26964	5.89969	5.84953	5.87813
LGALS17A	3.83777	4.02941	4.08142	5.04302	5.67134	4.81924	4.78443	4.85934	4.82452
LEUTX	5.65072	5.8268	5.78627	6.09668	7.3569	6.19921	5.74834	6.2237	6.02406
ZNF546	4.8719	4.69212	4.82826	5.40007	6.04439	5.37412	4.64962	4.35004	4.63983
MAP3K10	6.80573	6.89149	6.58308	6.98242	6.87323	7.41923	7.44781	6.99268	7.12915
SHKBP1	8.09815	7.90131	7.96245	8.80577	7.22254	8.74692	9.08091	8.8285	8.69931
LTBP4	7.78137	7.87516	7.9139	7.43205	7.03281	7.48958	8.08178	7.36963	7.37543
ITPKC	8.40735	7.87571	7.71641	8.31622	7.77218	10.754	8.94573	9.87644	9.52267
SNRPA	9.31989	9.38064	9.63686	9.91277	7.5991	9.21098	9.72963	9.15175	9.36495
AXL	7.90318	7.62504	8.77087	7.24745	6.50981	7.42121	7.83024	7.52937	7.55335
HNRNPUL1	10.4941	10.0402	10.5306	9.97022	7.78876	9.70586	10.2341	9.44761	9.85993
CCDC97	8.6578	8.44375	8.74563	8.22999	6.21648	8.19342	8.75175	8.09026	8.48567
Tmem91	7.44578	7.07921	7.07257	7.91217	6.93619	8.06077	7.55311	7.24052	6.93014
ERICH4	4.65636	4.80899	5.07703	4.66812	5.49775	4.82559	4.54236	4.88057	4.76412
CEACAM21	5.25936	5.36473	5.26404	5.70539	5.73408	6.01618	5.68012	5.5205	5.91296
CEACAM5	8.19569	7.80684	8.8889	8.19244	7.25871	10.8065	9.39794	10.6788	9.38761
Ceacam6	7.39148	7.22807	8.55613	8.83191	7.85221	11.3619	10.5151	11.2921	11.4079
CEACAM3	5.74185	5.65255	6.23297	6.39261	6.59945	6.74012	6.22961	6.69797	6.22818
DMRTC2	6.47141	6.50272	6.80834	6.90488	7.90192	7.10464	6.67084	7.12574	7.04042
RPS19	11.7929	12.0199	11.9495	12.0495	10.9367	12.1084	12.1885	11.0777	11.2931
arhgef1	7.69091	7.33289	7.79881	7.97974	6.21321	7.94727	8.20503	7.73692	8.28995

ZNF574	7.37339	7.56116	7.43789	8.11022	7.2221	6.91084	7.83901	6.80187	7.45076
LOC100505622	6.27531	6.53286	6.24608	7.13969	6.98143	7.216	6.906	6.94291	7.27029
znf526	7.32991	7.97717	7.57334	7.97846	7.89119	7.69271	7.77523	7.56684	7.59877
CIC	7.41135	7.06545	7.25681	7.76602	7.25407	7.9071	7.77864	7.37671	7.51384
PRR19	4.03393	4.40044	4.14177	4.65746	4.82732	5.03903	4.46228	4.3656	4.41506
TMEM145	6.01421	6.10375	5.79953	6.27904	6.36469	6.71735	6.23589	6.58867	6.23335
MEGF8	7.1159	7.05569	6.96681	7.06135	6.4765	7.22153	7.0571	7.00998	6.84591
LOC100289650	4.09013	4.1791	4.44911	4.88771	4.71162	5.19221	4.15213	4.39761	4.27219
PRG1	3.75559	4.1995	3.82044	3.33314	4.75104	3.57921	3.48786	3.41758	3.59811
CD177	6.34392	6.49167	6.73405	6.81125	7.36545	8.95247	7.54233	7.11962	6.7285
TEX101	4.49107	5.08602	5.04898	5.13838	5.82551	6.31532	5.21906	5.74828	5.6788
ZNF575	6.11514	5.89919	6.09051	6.47827	6.93784	6.44702	6.25686	6.61954	6.829
PINLYP	6.4312	6.5681	6.47497	7.15814	6.42896	6.46978	7.31037	6.37521	6.47839
ZNF576	6.08361	6.13879	5.94331	6.13709	6.29549	6.47415	6.42931	6.46665	6.13912
SRRM5	6.39757	6.39918	6.3911	6.28691	6.57687	6.6609	5.84177	6.29268	6.13412
ZNF283	6.06355	6.14449	5.57989	4.60926	5.03147	4.64901	5.50818	5.78842	4.67489
ZNF221	4.29303	4.77712	4.10802	4.21171	4.5351	3.80531	3.9647	4.28559	4.22356
ZNF155	5.98049	6.34588	5.8923	5.97586	5.37987	5.86026	6.16075	5.79168	5.76136
ZNF230	5.38564	6.0261	5.93142	4.55896	4.51903	4.25874	5.26093	4.54758	4.88597
ZNF222	3.65333	3.37438	3.78545	4.27119	4.11106	4.00721	3.68651	4.28946	3.79056
ZNF223	5.75738	5.72747	5.74267	4.55059	5.60958	5.26963	4.98944	4.65827	5.02945
ZNF284	6.71493	7.1881	6.61315	5.84966	6.42613	4.42255	5.30115	5.33488	5.10794
ZNF224	6.64339	6.83098	6.56602	5.37996	5.29738	5.56874	5.90134	6.12131	5.63921
ZNF225	6.28655	6.54162	6.60027	5.39372	5.92324	5.62284	5.66178	5.4536	5.43313
ZNF234	6.71481	6.9713	6.73549	7.07413	6.60806	6.17463	6.61913	6.23711	6.47877
ZNF226	6.50803	6.53434	6.55819	6.47729	6.29189	6.88369	6.18873	6.28536	5.9737

ZNF227	6.70165	6.51351	6.87145	5.63482	4.88442	5.54572	6.12279	5.45586	5.61915
ZNF233	3.91184	3.7082	3.79136	3.867	3.83219	4.34913	4.18955	3.80438	3.85128
PVR	7.39769	7.11525	7.24351	8.15637	7.10836	7.94537	8.29226	8.30714	8.5833
ceacam19	7.79111	7.73333	7.49551	8.09902	8.9577	9.36513	8.80678	9.3361	9.17606
CEACAM16	5.75789	5.65956	5.60655	6.23475	6.00981	6.16136	5.93525	6.10905	6.13681
BCL3	8.4177	7.78478	7.72394	8.76042	7.14359	8.57977	9.01478	8.19496	9.13152
bcam	7.40504	7.76098	7.6007	7.86217	6.28253	7.21179	8.03865	8.53348	7.99849
NECTIN2	7.50721	7.09047	7.12817	8.28473	6.2505	8.14612	8.11587	8.03039	8.329
TOMM40	8.04029	7.86968	8.31174	9.03966	7.59292	8.50434	9.30119	8.16037	8.14133
APOE	5.4802	5.27021	5.61069	5.58755	5.55166	5.72896	5.25398	5.23543	5.40893
apoc1	5.5235	5.55352	5.49468	5.93082	5.47195	6.2767	6.15017	6.02969	5.65703
APOC1P1	3.82898	4.29021	3.92105	4.07775	4.46429	4.55682	3.89394	4.21696	4.69258
APOC4-APOC2	5.67725	5.70991	6.17524	6.25722	7.14487	6.2717	6.6463	6.1927	6.08455
RELB	6.93161	6.89711	6.65734	7.58853	7.14054	7.94755	7.83229	7.6629	7.48236
CLASRP	7.5211	7.16841	7.30954	7.38644	7.01279	7.83224	7.37249	7.6674	7.48642
GEMIN7	6.63449	6.56813	6.49468	7.12335	6.33569	7.66862	7.6428	6.85986	6.74129
MARK4	8.57563	7.99717	8.07274	8.76913	7.91471	9.34063	9.09848	8.85547	8.81593
KLC3	6.92422	7.13845	6.86301	7.74507	7.33304	8.81991	8.33524	8.67583	7.94927
FOSB	11.0681	8.00195	7.98924	9.19467	8.20398	10.3511	9.02714	8.81256	9.01659
VASP	7.8904	8.07652	7.7671	8.74263	7.47966	9.20203	8.66049	8.73566	8.73747
EML2-AS1	6.27152	5.90007	6.42231	6.61075	6.50547	7.21228	6.56965	6.86506	6.64325
GIPR	6.7936	6.68867	6.47272	7.66697	7.87463	8.89656	7.44547	9.16966	8.87132
MIR642A	6.19551	6.0845	6.14825	6.59174	7.10763	6.86483	6.58329	7.01499	6.66574
QPCTL	6.74047	6.55701	6.92755	7.43634	6.99159	6.95363	7.36331	7.05062	7.11467
BHMG1	5.77816	5.89477	5.55531	5.89162	6.0331	6.41782	6.06485	5.85003	6.21289
SIX5	6.54478	6.34606	6.65324	7.63295	7.05254	7.19417	7.28671	7.10915	7.06014

FOXA3	6.36514	6.37453	6.5169	6.76938	6.80467	7.72732	6.63131	7.01297	7.04541
CCDC61	5.79378	6.13682	5.95108	6.52605	5.88038	6.20573	6.59789	5.99565	6.21506
MIR769	5.04385	5.29985	5.50335	5.31999	5.22945	5.16189	5.35266	5.52279	5.31815
IGFL2	7.59725	8.33743	8.08779	11.1924	10.6176	8.75776	11.3516	9.88378	10.8778
LOC93429	6.9817	6.36847	6.96489	6.28119	6.73818	6.18222	6.30089	6.46677	6.37849
IGFL1	8.29567	4.96971	8.78057	12.0968	7.33166	8.92968	11.6644	8.0661	9.96419
PNMAL2	6.22431	6.03155	6.16934	6.55978	7.14073	6.46886	6.23161	6.3186	6.58155
DACT3-AS1	5.41238	5.41343	5.48654	6.1053	6.54051	6.11253	6.16812	6.05808	5.98725
FKRP	6.87905	6.83312	6.91877	7.08101	7.22364	7.19018	7.01804	6.86209	6.9221
arhgap35	8.82394	8.89719	8.87697	8.37678	6.05419	8.43466	8.88139	8.44632	8.39782
NPAS1	5.28097	5.80703	5.52	6.11078	6.08887	6.46931	6.0195	6.27665	6.08554
SAE1	6.47576	6.23673	5.75822	6.24579	5.90105	5.71074	6.41634	6.17909	6.13601
MIR3190	6.01914	5.98627	6.2972	6.07055	6.47782	5.71194	5.95316	5.86322	6.03305
CCDC9	7.4192	6.64287	6.755	7.49905	6.18131	8.25195	7.85249	8.0387	7.83843
Inafm1	7.77181	7.05001	7.04766	7.92138	6.30274	7.57821	8.45032	7.86827	7.33404
c5ar1	6.41764	5.41935	6.27687	6.76198	5.91389	6.20003	6.5448	6.94912	6.96443
C5AR2	6.6162	6.17094	6.73476	6.51913	5.18481	6.39556	7.35153	8.65288	6.2224
DHX34	6.73886	6.73499	6.71506	7.19161	6.63379	6.97135	6.93282	7.31019	7.15522
NAPA-AS1	5.6631	5.8765	5.4977	6.141	6.4546	6.32969	6.08104	6.12784	6.07743
GLTSCR1	7.25324	7.01811	6.75223	7.06327	6.67133	7.32183	7.12232	6.86211	7.00076
EHD2	9.1351	8.77652	8.97032	9.39262	7.33086	10.1261	9.7097	9.52688	9.55145
GLTSCR2	9.55898	9.99032	9.85153	9.60223	7.62935	9.72535	9.8832	8.97543	8.70434
CRX	5.32226	5.27362	5.22386	5.67719	6.27017	6.01076	5.3749	5.91374	5.71626
SNAR-C1	6.39311	6.82523	6.5693	7.5751	7.45738	7.50385	6.99823	7.72291	7.76188
ELSPBP1	3.95727	3.2982	3.73666	4.43795	4.06572	4.91639	4.19469	4.25539	4.43795
ZNF114	6.04955	6.08293	6.51218	7.071	6.82999	7.19437	6.54385	6.87634	6.86833

EMP3	8.16682	8.25971	9.71121	9.50571	6.64643	7.79143	8.7872	8.24021	8.68753
SYNGR4	5.9356	6.00307	6.21679	6.72409	7.10184	6.87094	6.68344	6.38945	6.53921
GRWD1	6.6564	6.28726	6.63014	7.37087	6.45947	6.53543	7.26852	6.33421	6.60648
CYTH2	7.01898	6.75704	6.91121	6.9092	6.33087	6.59377	6.56179	7.00515	7.29941
SPACA4	6.58762	5.96749	5.99535	6.77916	6.28105	6.90621	6.74949	6.55814	6.7863
SPHK2	6.31906	6.42617	6.21967	6.37902	6.72857	6.7184	6.35598	6.58593	6.61547
FUT2	6.59796	5.96342	6.58747	7.46541	6.88682	9.30936	9.00511	7.76702	8.0315
FGF21	5.51963	5.71251	5.74944	5.86681	7.13758	6.28361	6.33463	6.15777	6.31214
NUCB1	8.0243	7.90366	8.20183	8.39599	7.59945	8.88141	8.52934	8.66426	8.25793
DHDH	5.94238	5.41723	5.82672	6.75926	6.54903	7.24232	6.27192	6.83815	6.75138
BAX	6.24064	6.38809	6.0567	7.11354	6.35528	6.84003	7.3204	6.39644	6.45506
RUVBL2	8.02214	7.69955	8.06406	8.71668	6.45071	8.47836	9.09026	7.92855	8.1443
SNAR-G1	6.42972	6.99011	6.70183	7.73597	7.86285	7.56217	6.70919	8.04728	7.25829
SNRNP70	8.72599	8.99243	8.66839	8.75638	6.85757	8.29467	8.30162	8.41723	8.52102
LIN7B	6.51202	6.54015	6.12563	6.49435	6.20155	6.90303	6.74234	6.66772	6.23073
CD37	6.49745	6.34373	6.77257	6.89011	7.07529	7.01147	6.46744	7.02951	6.64894
DKKL1	5.37148	5.45776	5.82875	5.9557	5.91794	6.47291	5.798	5.98766	6.12467
CCDC155	5.63317	5.80555	5.72325	6.50613	6.68294	6.88233	6.33272	6.26846	6.34808
Gfy	4.54009	4.97199	4.73391	5.32722	5.50206	5.84149	5.49621	5.34667	5.59886
FLT3LG	7.29694	7.62538	7.82021	7.1853	7.11182	6.84429	7.22712	6.99338	7.05693
RPS11	12.8416	12.8936	13.0535	13.1095	12.7439	13.1286	13.3157	12.5216	12.6252
prrg2	6.47493	6.48538	6.08399	6.74296	5.39094	6.57961	6.62849	6.47454	6.53572
PRR12	8.07394	7.95531	8.11854	7.39052	6.45481	6.9042	7.89495	6.89729	6.7426
SCAF1	6.896	6.75539	6.57848	7.83022	6.28208	7.38261	7.56069	7.10566	6.99684
BCL2L12	6.39906	6.25863	6.2887	7.09906	6.38368	6.90525	6.85008	6.59103	6.61842
PRMT1	5.98676	6.10611	6.15381	6.86157	5.51984	6.74361	6.57454	6.45631	6.22717

ADM5	5.95484	6.14344	6.39029	6.53876	7.01426	6.95279	6.39484	6.61582	6.44772
CPT1C	6.37908	6.38406	6.1776	6.9313	6.81598	6.89126	6.77709	6.68278	6.61442
MED25	7.33676	6.9298	6.87887	7.42529	6.40858	7.33596	7.42644	7.26637	7.41977
PTOV1	7.47951	7.17711	7.36942	7.99259	7.90489	7.92643	7.80483	7.79025	7.77069
ATF5	6.50881	6.38423	6.77043	7.42089	6.52605	7.27256	7.69163	6.89881	7.31744
SIGLEC16	6.36636	6.18201	6.58583	6.58472	7.63859	6.46271	6.28947	6.37854	6.5464
ZNF473	6.72781	6.93866	6.85509	6.89458	5.83002	7.37778	7.00444	6.97301	7.20206
spib	5.97363	6.17968	5.86421	7.19857	7.32442	7.06574	7.04554	7.01869	6.76991
EMC10	7.65896	7.4467	7.7654	8.37982	6.90268	8.56115	8.67222	7.47384	8.07413
SNAR-F	5.99541	6.01116	6.15257	6.12925	6.14137	5.9221	4.81241	7.00577	6.71483
C19orf81	5.33733	4.59366	4.91624	5.90291	5.52146	6.5954	5.84755	5.79056	5.69675
GPR32	5.44678	5.52724	5.40602	5.76031	7.28136	6.3601	5.13572	5.8831	5.97374
MGC45922	5.73854	5.80659	6.07753	6.08232	5.90092	6.58367	5.99336	6.02593	6.19449
KLK3	6.35009	6.12496	6.08453	6.31906	8.05634	6.69677	6.27322	6.65389	6.66686
KLK2	5.89117	6.37451	6.08739	6.08045	7.27339	6.47309	6.27974	6.48339	5.87334
SIGLEC9	5.49781	5.29153	5.86305	6.33212	6.16643	5.69648	5.98624	6.04486	5.88091
SIGLEC7	5.88926	5.53664	5.53824	6.48985	6.57654	6.44015	5.96346	6.23318	6.39588
CD33	6.83763	6.63634	7.29777	6.77992	7.02401	7.21048	6.61663	6.89374	6.81637
SIGLECL1	5.2615	5.05069	5.08606	5.26166	6.41476	5.58348	5.63679	5.55048	5.74503
IGLON5	5.9485	6.22117	5.95503	6.80895	6.58498	6.87353	6.77656	6.55762	6.6631
LOC100129083	5.40375	5.39041	5.76915	6.18961	6.93679	6.20308	5.84405	5.96568	6.08807
CEACAM18	5.62598	5.5673	5.25406	5.57782	6.11925	6.25457	5.59066	5.99951	5.63332
ZNF175	6.34904	5.82311	6.26712	5.52877	5.40147	5.9258	6.00254	5.60687	5.23257
MIR99B	6.9268	7.13624	6.92268	7.73397	8.89614	7.74305	7.33001	7.42499	7.46095
MIRLET7E	5.51378	5.34462	5.33145	6.34422	6.50454	6.48484	6.55632	6.14161	6.36103
Mir125a	4.4454	4.385	4.7066	4.30306	5.55678	5.25918	4.976	4.47982	4.81095

SPACA6	6.18818	6.33504	6.0296	6.51411	6.12438	6.41401	6.24797	6.54214	6.53513
FPR2	3.76638	4.04853	3.93609	4.60453	4.9219	5.15415	4.90493	5.14377	5.28959
FPR3	6.60841	6.06589	6.92253	6.50924	6.08419	5.37358	6.79196	5.72593	6.60329
ZNF613	6.3363	6.68704	6.37964	6.17603	5.59853	5.84318	6.54413	6.16893	6.74012
ZNF766	7.6062	7.84265	7.69637	6.0122	5.39817	6.33837	7.40399	5.67932	5.43593
MIR643	5.28101	6.30804	5.3528	3.44688	3.43389	3.47613	2.53521	3.44642	3.00788
ZNF480	7.40716	7.73013	7.53698	5.64177	5.03313	4.90699	6.60033	4.64932	5.96297
ZNF610	5.17032	5.33418	4.90088	5.10672	6.09211	4.12674	4.87249	5.12318	5.01679
ZNF880	6.47278	6.49868	7.10075	6.41553	6.33252	6.26094	6.06401	6.20805	6.30415
ZNF528	6.90632	6.46693	6.77536	5.71763	6.01619	5.91148	5.59499	5.15957	5.78871
ZNF534	6.66799	6.6751	6.29177	7.31228	7.18041	7.60434	7.06223	7.20022	7.45277
ZNF578	4.47324	4.9488	3.90003	4.51107	5.07799	4.47677	4.24927	4.10682	4.84671
ZNF808	7.71778	7.81943	7.42356	6.53972	6.98929	6.97291	7.11861	6.68517	6.73515
ZNF701	5.86987	5.91556	6.09332	6.01444	6.82255	6.67338	5.89453	5.90745	5.91978
VN1R2	5.74836	5.43107	5.40958	5.92873	6.45073	5.702	5.13841	5.95309	5.74836
ZNF845	6.63021	6.79633	6.52094	6.25687	5.05569	6.06864	6.85688	5.92618	6.88573
ZNF525	6.22363	6.50596	6.95249	5.56857	7.89401	5.09729	5.28702	5.15415	5.60616
Znf765	6.49512	6.94062	6.29828	6.62339	7.14031	6.72095	6.55329	6.63737	6.3549
TPM3P9	6.86921	6.43603	6.85298	6.0889	6.47135	6.05991	6.30704	6.9537	7.18054
ZNF331	7.01833	7.21189	7.02861	6.90746	6.35518	6.57995	6.79227	6.61156	6.28439
DPRX	3.71317	3.47602	3.47562	4.59126	5.53345	4.20399	3.96007	3.45429	3.32291
MIR512-2	5.62191	5.09957	5.25306	5.17584	5.80839	5.7675	4.54577	5.19556	4.95539
MIR1323	4.14566	4.06112	4.39047	3.92748	4.62855	4.48949	4.01356	4.61696	4.45687
MIR498	3.18709	2.89126	3.20706	3.16748	3.22087	3.94307	2.8013	3.0611	3.15563
MIR520E	4.60254	6.25753	5.68296	7.32128	7.54731	8.17822	6.59548	7.56539	6.78804
MIR515-1	3.53616	3.76217	3.73666	3.80293	4.37643	3.79072	4.52738	4.28566	4.179

MIR519E	2.696	2.15271	2.03767	2.18337	2.82611	2.14301	2.02322	2.47095	2.62501
MIR520F	5.26151	4.98929	5.08104	4.83519	5.70891	5.19896	4.80548	4.73556	4.32999
MIR519C	1.90213	1.99877	1.87523	1.98689	1.9779	2.35801	2.58204	1.95242	2.60384
MIR1283-1	2.18323	2.43791	2.44129	2.61396	2.00622	2.62651	2.38424	2.75567	2.46598
MIR520A	2.99743	3.34482	3.13028	3.72939	2.79688	4.19508	4.30559	4.14037	3.79685
MIR526B	3.16791	3.25291	2.88995	2.84442	2.90448	2.63973	3.18126	3.38635	2.96231
MIR519B	1.8706	1.79453	1.69622	2.27733	1.86318	1.91944	2.03724	2.09627	1.89625
MIR525	2.72744	2.61554	3.29649	2.8344	3.71974	3.87152	2.72071	2.68139	3.47736
MIR523	1.91514	2.70619	1.94423	4.06841	2.85601	4.02393	3.40762	3.29967	3.528
MIR518F	1.71151	1.91285	1.76919	2.33976	1.64793	2.52896	2.17941	1.91361	2.14623
MIR519A2	3.76292	4.66391	2.90308	3.37159	4.00565	4.01233	3.54374	3.98838	4.08252
MIR518B	4.82824	4.84544	5.16409	5.93507	5.33812	6.87408	6.03837	5.63989	5.90328
MIR526A1	2.18077	2.52928	2.41714	2.44728	2.00565	2.71767	2.14534	2.15989	2.27406
MIR520C	3.89277	3.89423	3.67172	3.94931	2.88421	4.83289	4.70159	4.20167	3.76592
MIR518C	4.76171	5.24588	5.37539	4.65746	5.33198	5.18855	5.20506	4.92914	5.09045
MIR524	3.0532	3.29708	3.5607	3.59578	4.54981	3.76805	4.02865	3.7648	3.19098
MIR517A	2.30085	2.87153	2.67017	2.97156	2.36904	3.50795	2.81289	2.54092	3.22424
MIR519D	4.3614	4.00926	4.25826	5.05647	4.95693	5.52611	4.64768	5.26612	5.81806
MIR521-2	5.06171	5.04394	4.77683	4.95706	6.38076	4.55158	4.75656	4.91124	5.46616
MIR520D	2.90759	2.91499	2.8836	2.65504	3.1836	2.58897	2.75172	2.63709	3.0319
MIR517B	4.45134	4.8295	4.47722	5.48307	5.19932	4.98853	4.976	5.17985	4.89365
MIR520G	3.88455	4.50496	4.23528	4.81411	4.27952	4.98576	3.85519	4.79223	4.59776
MIR516B2	2.3485	3.02396	3.08596	3.2551	3.78142	2.43671	2.43428	3.23357	2.41169
MIR526A2	2.28469	2.71456	2.22629	2.28911	3.33113	2.91501	2.61641	2.48492	2.60516
MIR518E	2.49683	2.50863	2.04352	3.10192	2.13945	3.53514	3.46865	2.30606	2.21066
MIR518A1	3.30962	3.31874	3.19191	4.94322	4.28069	4.07587	3.82305	3.70914	4.47464

MIR518D	3.02992	3.4506	2.63652	4.54741	3.09392	4.45419	4.0892	3.35928	3.05031
MIR516B1	3.76042	3.39597	4.40864	3.52946	4.34821	3.61744	3.48843	3.77561	3.5839
MIR518A2	5.42408	5.19401	5.22666	5.50504	6.30881	5.20984	5.56287	5.82102	5.95532
MIR517C	1.82197	1.8733	1.78223	2.30874	3.22743	2.56685	2.20232	2.15389	2.70054
MIR520H	3.94664	4.42723	4.32577	4.81411	3.95171	4.95166	3.7909	4.68036	4.55806
MIR521-1	4.27067	4.04173	4.57003	5.18282	5.6151	5.6584	5.45057	5.39282	6.1064
MIR522	3.45309	4.16256	3.47739	3.81817	3.13327	4.00971	3.48206	3.567	3.7398
MIR519A1	3.33824	3.38468	3.39692	3.12428	3.98422	3.59038	3.05727	3.60052	3.40603
MIR527	3.93943	4.15006	3.89374	4.37843	4.91872	4.92204	4.40625	4.45269	4.06375
MIR516A1	3.93723	4.08814	3.93301	4.45528	4.02738	4.53113	4.2906	7.04039	5.48829
MIR1283-2	3.02637	3.35643	2.53921	2.76115	2.7182	3.65434	2.67143	3.43638	3.05483
MIR516A2	2.7548	2.65861	2.54923	3.26274	2.99432	3.2997	2.51026	2.67177	2.55462
MIR371A	5.78509	5.8275	5.82461	6.06605	6.67737	5.73129	5.68543	5.96967	6.28874
MIR372	3.1039	3.49825	3.45386	3.58671	4.10954	3.63001	3.33334	3.83559	3.49692
MIR373	3.96783	4.86785	4.55991	4.56074	5.32281	4.23327	4.05473	4.07596	4.49612
MYADM	7.31261	7.44374	7.76456	7.92318	6.35098	8.21398	8.35119	8.10336	8.64087
PRPF31	7.90618	7.93258	8.00797	8.02332	7.03384	7.98551	8.10043	7.58851	7.82115
TSEN34	6.5036	6.47327	6.5342	6.97733	6.40828	7.03261	6.94592	6.99387	6.85807
RPS9	6.55501	6.97102	6.59612	6.93253	6.38385	7.23316	6.59922	6.2146	6.36576
MIR4752	3.41506	3.66137	3.90436	3.73395	4.529	3.21718	4.39046	4.37904	3.38732
TTYH1	6.34942	6.30851	6.40463	6.71252	7.24109	6.83032	5.89132	6.75716	6.90326
LENG8	9.84252	9.5603	9.76085	8.56595	7.44285	7.77896	8.47448	9.36697	9.64411
LAIR2	3.92838	2.73919	3.56508	3.65022	3.76102	3.07655	2.91853	2.62488	2.92692
LILRP2	4.95095	4.86078	4.49462	5.56449	4.94509	5.95293	5.48699	5.44956	5.04164
NCR1	5.55779	6.04951	5.97078	6.40137	7.29101	6.68481	6.23637	6.24756	6.38508
EPS8L1	8.08856	8.02719	7.72438	8.33991	8.39903	10.2893	8.9782	10.065	9.35033

BRSK1	6.52497	6.42385	6.45169	7.18144	7.53835	7.06662	6.96798	6.88636	7.07229
KMT5C	6.49827	6.8589	6.79581	7.83494	6.81066	7.70776	7.3164	7.56872	7.29366
TMEM190	6.55979	6.98949	6.90614	7.55671	7.62581	7.92762	7.04568	7.55828	7.27195
RPL28	6.26608	6.17992	6.27874	6.41111	5.96238	6.41725	6.59952	6.14334	6.0173
ZNF628	5.65579	5.65878	5.56521	5.89038	5.55488	6.26015	6.1386	6.12669	6.04574
SSC5D	6.12041	6.40328	5.63749	6.65819	5.74718	6.80489	6.52731	6.46937	6.39537
ZNF524	7.68374	7.68333	7.42465	7.47599	8.1548	8.08693	8.15996	7.82727	7.67514
znf865	5.6592	5.86964	6.12966	5.56544	4.84673	5.20659	5.91412	5.62503	5.21381
ZNF580	6.69421	6.74049	6.74549	7.27481	5.82614	6.84114	7.49468	7.28282	6.64011
ZNF581	7.07838	6.77069	6.94307	7.15827	7.06415	7.74049	7.34028	7.43177	6.96279
CCDC106	5.50484	5.38619	5.54981	5.77623	5.71491	5.95904	6.13905	5.72124	5.66879
U2AF2	9.19652	8.8628	9.19674	9.48004	6.88675	9.33425	9.73346	8.78547	9.55387
EPN1	8.00486	7.92941	7.83457	9.73131	8.78592	10.5159	10.0347	9.61809	10.0193
ZNF444	6.04799	6.40896	6.09058	6.67401	6.45035	7.3664	6.81911	7.0233	6.73001
GALP	5.34089	5.41708	5.72828	5.91512	6.68411	6.30828	5.76926	6.4164	5.68876
ZNF542P	5.37101	5.182	5.21114	5.20452	4.40208	5.20045	5.26253	5.54078	5.65582
ZNF582-AS1	6.05141	5.85341	6.19423	5.62095	6.4422	5.75484	5.97641	5.7065	5.97122
ZNF583	5.64956	5.792	5.52805	5.84355	6.28849	5.91389	6.01092	5.8217	5.86293
ZNF667-AS1	8.07549	7.84426	8.1953	5.73758	6.8672	5.54559	7.38359	6.08969	6.42627
ZNF471	6.15227	5.94102	5.29129	4.1035	5.09304	5.29745	3.74152	4.60842	5.40291
ZFP28	6.61425	6.50024	6.28547	6.12807	5.5852	5.71474	5.75604	5.94318	6.28374
ZNF470	5.28688	5.30678	5.44591	4.69342	5.76219	6.47181	5.17165	5.0603	5.83148
ZNF71	7.06142	7.05973	6.93651	7.20883	6.405	6.92748	7.42809	6.44262	7.1144
Smim17	6.10306	6.17395	5.91299	6.30396	6.73717	6.48485	6.09321	6.30891	6.03841
PEG3-AS1	4.51033	4.39507	4.35489	4.54379	5.23079	4.74739	4.80751	4.62002	4.64743
MIMT1	2.62774	2.7178	2.8351	2.79942	3.13229	2.94152	2.58818	2.92566	3.17736

USP29	5.07321	5.41992	5.2353	5.28081	6.16447	5.49767	5.46268	5.61425	5.83412
ZNF264	8.08049	8.03329	8.19507	7.60464	6.5928	7.59079	8.02928	7.77486	8.01223
AURKC	6.27502	6.27326	6.34985	6.22124	6.40006	6.38103	6.91303	6.67412	6.36768
ZNF805	7.7718	8.12959	7.59342	7.86304	7.32737	7.39945	7.68991	7.5313	7.42681
ZNF460	9.39372	9.15382	9.00304	9.27587	6.89191	9.8239	9.34932	9.28364	9.92898
ZNF543	7.65534	7.79542	7.51806	7.16813	5.65496	6.90784	7.09028	6.74795	7.27248
ZNF304	6.5379	7.01196	6.84039	6.91233	6.76938	7.07662	6.88708	6.74389	6.45632
ZNF547	6.28766	6.32651	6.31184	6.33772	6.18863	6.88235	6.27966	6.29987	6.34479
ZNF548	7.58538	7.6429	7.85538	6.5946	6.28963	6.90753	7.50325	6.95556	7.12488
ZNF17	6.70613	6.68245	6.72816	6.07102	6.28055	5.54674	6.08766	6.05894	6.12748
ZNF749	7.03035	6.82774	6.4413	6.17991	6.02304	5.05975	6.25344	5.78857	5.70044
ZNF419	6.78905	7.03142	6.95451	6.67548	6.93722	6.11652	6.086	6.31328	6.25375
ZNF773	6.92026	6.89917	6.92395	6.92782	7.01059	7.05568	6.93483	6.89731	6.72658
ZNF549	6.51108	6.42961	6.67932	6.92144	6.78386	6.70002	6.79055	6.82772	6.7368
ZIK1	6.10949	6.33137	6.39462	5.53124	6.6807	6.42367	5.71539	6.36203	6.32705
ZNF530	5.59435	6.04998	6.53774	5.71558	6.00528	5.82926	5.84987	5.72374	5.57792
ZNF134	7.85052	8.06281	7.96173	7.3653	6.19692	7.06839	8.01562	7.05533	7.63959
ZNF211	6.55751	6.38029	6.53502	5.71518	5.61988	5.25504	5.4318	6.1265	5.98674
ZSCAN4	4.22688	4.05954	4.16083	4.18617	4.36616	4.84408	4.21755	4.30906	4.15008
ZNF551	6.84629	7.04133	7.29213	5.6119	4.57976	5.60904	6.60107	5.96271	6.11021
ZNF776	7.10091	7.21399	7.45136	6.70015	6.46441	6.34251	7.45745	6.52082	7.1225
ZNF586	7.82551	7.98437	8.19952	7.45039	7.21985	8.41392	7.53483	8.43827	8.23396
ZNF587	5.26407	5.38208	5.6758	4.75487	3.94849	5.13131	5.11578	4.99262	5.47721
ZNF587B	6.51164	6.78162	6.80595	6.15589	5.92896	6.20023	5.79928	6.67398	6.85445
ZSCAN1	6.09051	6.18252	5.91637	6.83411	6.81221	6.98854	6.48875	6.70164	6.44679
ZNF135	6.92139	7.03253	7.14819	6.38347	6.8988	7.04575	6.11401	6.39843	6.66877

ZNF274	7.09632	7.56702	6.77051	7.32824	6.51616	8.45001	7.72803	7.62777	8.11815
ZNF544	7.33521	7.39395	7.2876	6.79985	6.02979	7.03617	7.47993	6.5543	6.76582
ZNF8	7.70514	7.62268	7.59224	6.86993	6.34845	6.87581	7.04681	6.84739	7.02962
ZSCAN22	6.38546	6.70109	6.48624	6.83477	6.32838	6.7998	6.8497	6.57656	6.70153
A1BG-AS1	5.2617	5.46484	5.18595	5.90839	5.69852	5.56809	5.75664	6.11363	5.91153
RPS5	11.6115	11.9795	11.9968	11.9351	11.3767	11.9021	12.2887	11.0913	11.5269
RNF225	9.14708	8.36955	8.37633	10.0999	9.32449	9.96785	9.58869	9.21111	10.0632
ZNF584	7.97081	7.54667	7.48285	7.39716	7.07401	6.4969	7.24546	6.23401	7.1432
ZNF324B	5.767	5.72754	5.93529	6.56544	6.99472	6.70248	6.29439	6.4621	6.66602
ZNF324	6.78409	6.47566	6.55054	6.54176	5.52214	7.08186	7.25925	6.97704	7.10312
ZNF446	5.99721	6.47347	6.2111	6.4666	6.81615	6.8019	6.55401	6.54821	6.92295
TRIM28	9.34352	8.85173	8.86132	9.3102	7.70412	8.98588	9.56412	8.89845	8.66957
MZF1-AS1	5.79636	6.11275	5.81906	6.5621	6.13795	6.1919	6.11376	6.09564	6.0267
CENPBD1P1	6.81316	6.6185	6.61582	7.21913	6.12101	8.07378	7.14147	7.66087	6.9114
WASH5P	8.76303	8.80523	9.62269	7.50545	8.3533	7.09186	7.48779	8.43805	8.8171
LINC01002	8.68085	9.19353	9.38336	9.58754	10.6297	9.88907	8.14208	11.4523	10.0786
PLPP2	8.22649	8.62304	8.4107	8.34271	7.73831	7.99046	9.44444	8.02054	8.44544
THEG	4.93491	4.58961	5.13556	5.05052	5.47581	5.94521	5.40923	5.05569	5.70436
C2CD4C	5.93323	6.27168	6.01631	6.67462	6.57018	7.52304	6.97708	6.97417	6.7355
SHC2	6.48195	6.46959	6.47364	6.35143	5.78368	6.78852	6.60519	6.50962	6.88596
ODF3L2	6.36187	6.38766	6.36628	7.41361	7.33224	7.37202	7.10992	7.05976	7.25074
POLRMT	6.52168	6.64155	6.58894	7.13686	6.08199	6.87894	7.27044	6.40465	6.15899
rnf126	8.7456	8.70271	8.8575	9.59669	8.57621	9.81363	9.98181	9.20514	9.34445
PLPPR3	5.68214	5.84314	5.69843	5.95502	6.41367	6.90104	6.45616	6.51355	6.4745
MED16	7.89888	7.75403	7.5911	8.56318	7.09296	9.36308	9.12817	8.04143	8.06218
R3HDM4	7.65575	7.75122	7.6043	8.31617	7.53582	9.95111	9.16357	8.79908	8.53512

TMEM259	10.6154	10.3471	10.4635	10.4229	8.87203	10.1425	10.7108	10.6253	10.5049
SBNO2	7.47145	7.16356	7.23645	7.75888	6.89308	9.34583	8.77172	8.61017	8.56608
CBARP	5.65187	5.72381	5.47993	6.4804	5.85577	6.75863	6.34195	6.36926	6.23609
CIRBP-AS1	5.31288	5.65868	5.4237	6.52681	5.3377	6.3318	5.93529	6.08895	5.57116
GAMT	8.05991	8.36428	7.10958	8.49927	8.44811	8.07116	8.73746	7.26426	7.42863
C19orf25	6.33771	6.80201	6.67026	7.31615	6.60461	7.52161	7.11967	6.98039	6.95604
PCSK4	6.5233	6.25493	6.12921	7.09974	6.8541	7.13374	6.64365	6.73834	6.81448
ADAMTSL5	6.46676	6.19649	6.00946	6.84223	6.61725	7.47799	7.73991	7.71533	7.5546
MBD3	6.96149	7.32595	7.15244	7.9344	6.92099	7.78646	8.00134	7.22435	7.21305
TCF3	8.25619	8.01643	8.18053	8.54144	8.23007	8.48797	8.60043	8.2841	8.27728
KLF16	8.55497	8.40549	8.23313	9.60406	8.05006	8.82452	9.41878	8.45457	8.62253
CSNK1G2-AS1	5.83631	6.12599	6.02323	6.47737	6.31302	6.76777	6.18488	6.24402	6.62562
BTBD2	9.93065	9.43526	9.55286	9.14272	7.56616	9.53704	9.51719	8.79473	8.63914
MKNK2	9.48113	9.28131	9.6113	10.3289	10.2405	11.7071	10.5808	11.6348	9.87606
MOB3A	9.61576	9.07898	9.54827	9.93818	9.38951	11.093	10.0075	9.69331	9.68211
MIR1227	6.75422	6.77025	7.19522	7.3427	7.60651	7.45214	6.97122	7.15851	7.07283
JSRP1	6.81583	6.90183	7.05134	7.34608	7.26834	7.62344	6.83431	7.51807	7.29492
C19orf35	6.08368	6.1502	6.03336	6.18341	6.86019	6.56891	6.28999	6.51658	6.27084
lingo3	5.49888	5.89505	6.01469	6.13674	6.19061	7.12992	5.86637	6.59003	6.44111
TIMM13	7.62004	7.87827	7.85471	8.81866	7.01104	8.63346	8.65467	8.12285	8.13148
LMNB2	7.84332	7.48134	7.70145	8.35776	6.28636	8.04558	8.30805	7.95728	7.84986
ZNF77	6.45304	6.26316	6.39755	6.63568	5.75606	6.14983	6.72787	6.31411	6.07362
AES	9.13265	9.35963	9.31946	9.79798	8.61891	9.69259	10.0869	9.13492	9.33411
Smim24	4.97543	5.68991	5.44828	5.94887	6.28885	5.92407	5.73728	5.76562	5.94381
DOHH	5.89863	6.13476	5.87419	6.67525	5.87284	6.944	6.59821	6.59	6.38943
MFSD12	7.25716	6.89052	7.01631	8.55034	7.43544	9.25492	8.74053	8.17252	8.18155

TBXA2R	6.20298	6.15365	6.16156	6.38546	7.23885	6.64133	6.51605	6.68628	6.69661
RAX2	5.65023	5.93445	5.59126	6.35191	6.01164	6.38214	5.8066	6.24	6.44077
MATK	5.90994	6.35961	6.41342	7.03614	6.80391	7.26199	6.73116	6.96055	6.95533
ZFR2	5.65878	5.79306	5.88778	6.33322	6.20661	6.2185	6.1173	6.45024	6.35446
DAPK3	6.97001	7.01388	6.73214	8.184	6.51131	8.9691	8.31331	8.76547	8.22354
MIR637	7.88707	7.64096	7.79667	7.87212	8.76942	7.63432	7.60256	9.03146	8.01104
EEF2	12.4353	12.1222	12.4126	12.3151	11.2182	12.5191	12.4677	12.165	12.0279
ZBTB7A	9.32037	9.36389	9.24216	9.77984	7.5956	9.93137	9.86959	8.85506	9.80739
MAP2K2	6.29336	5.83775	6.29422	6.25897	7.13719	5.74667	5.86626	6.84959	6.59654
SIRT6	7.39085	7.28944	7.21391	7.58054	7.15744	7.70038	8.15331	7.93921	7.80355
TMIGD2	4.66921	4.93958	4.61753	4.85274	5.04531	5.6413	5.14785	4.86094	5.30591
STAP2	8.83647	8.69987	8.22434	9.19264	8.02156	9.96242	9.77712	8.91878	9.33815
SH3GL1	8.17433	7.93238	7.7084	8.87713	8.26933	9.54334	9.11732	8.52443	8.39496
UBXN6	8.74061	8.44299	8.606	9.33485	8.074	9.5988	9.34378	8.7622	8.65269
PLIN4	5.82678	6.60618	6.69165	6.83891	6.30214	6.98144	6.54211	7.11314	6.63614
PLIN5	6.96936	7.03443	6.95285	7.35904	7.99451	7.82548	7.43607	7.90287	7.51756
LRG1	7.15676	7.06435	7.06016	7.34616	7.46893	7.96762	7.14113	7.56512	7.34687
MYDGF	6.48509	6.44052	6.57854	7.85743	6.15126	7.88767	7.73143	7.35699	7.21043
DPP9	8.30902	7.51326	8.03934	8.27967	5.45399	8.18542	8.37999	8.04419	8.27946
TICAM1	6.77305	6.71094	6.43539	8.10788	6.3779	8.6739	7.78128	8.96097	8.37824
PLIN3	8.53396	8.05579	8.19509	9.17329	6.66612	9.68478	9.72131	10.2431	9.96522
ARRDC5	5.14107	5.29466	5.18029	5.29571	6.02643	5.2789	4.59181	5.30078	5.07587
SAFB2	7.08069	7.42667	7.41253	6.5722	6.21912	6.15503	7.10531	6.95592	6.61612
c19orf70	6.34667	6.80556	6.89855	8.09261	6.51813	7.6279	8.4429	6.71783	6.96942
PRR22	5.70287	6.06336	6.25302	6.38079	6.42968	6.51456	6.30536	6.10617	6.30679
DUS3L	7.11774	7.02486	7.35681	6.99663	6.21475	7.18583	7.33346	6.49792	6.76188

RANBP3	8.26278	8.37531	8.34765	8.36686	7.30543	8.09392	8.18703	7.94972	8.21701
ACER1	11.4813	11.3339	10.9581	10.3955	9.06875	8.24022	9.52559	7.57457	9.31816
PSPN	5.70663	5.91508	5.94288	6.08778	6.10184	6.13492	5.96018	6.21642	5.92809
KHSRP	8.11876	7.75561	8.11375	8.32881	6.72178	8.01949	8.5246	7.70447	7.8593
DENND1C	6.28983	6.16286	6.07098	6.42162	6.40704	7.18771	7.05829	6.50221	6.68283
CD70	5.63187	5.55011	5.73841	6.07068	6.58222	6.651	5.89292	6.02879	6.0649
C3	7.95041	8.47356	9.65299	6.3293	6.84615	7.14776	6.75454	7.08971	6.20559
GPR108	7.92644	7.72169	7.97133	7.97362	7.72613	9.09239	8.52896	8.67765	8.10031
SH2D3A	7.83787	7.5784	7.38933	7.98586	7.18953	8.74944	8.57157	8.47606	8.07613
FLJ25758	3.56957	4.12386	3.65957	4.73388	4.99564	4.31465	4.40672	4.58404	4.4065
MBD3L3	5.44055	5.39267	5.65007	5.51939	8.06195	5.36543	5.51007	5.51305	5.91382
INSR	8.23013	8.11409	7.89393	7.44069	5.96934	7.06106	7.60274	8.00348	8.30666
LOC100128573	5.13659	5.18856	4.92708	4.86485	5.27785	4.61246	4.78908	4.81677	4.34205
PEX11G	6.52031	6.15268	6.53586	6.94674	7.45665	7.41144	7.07872	7.29396	7.01329
XAB2	8.55944	8.42821	8.59454	8.18154	6.76781	8.2728	8.50173	8.24951	7.65142
PCP2	6.16633	6.5288	6.43498	6.87826	6.98995	7.48894	6.89474	7.33985	7.06579
CD209	6.14456	6.22098	6.7098	7.03878	6.96544	7.27368	5.98762	7.12054	6.76446
PRR36	6.05546	6.21907	6.27181	7.17806	7.41562	7.02515	6.73778	6.84505	6.79755
LYPLA2P2	4.26053	4.47253	4.86122	5.33891	5.2606	4.94375	4.68993	5.33765	5.22934
CTXN1	6.56349	6.79281	6.80954	7.85991	6.7777	7.5454	7.53318	7.63738	7.48778
TIMM44	7.68983	7.24562	7.48004	7.38549	5.47086	6.73268	7.47171	7.09267	7.55064
FBN3	5.99517	6.07418	6.15818	6.64218	6.69394	6.60256	6.18087	6.56836	6.51026
CD320	6.57674	6.9364	6.9472	7.88704	6.49019	7.17872	7.26071	7.12384	7.11673
KANK3	6.87506	6.94082	7.17563	7.32237	7.29206	7.44018	7.12818	7.22809	7.0329
RAB11B-AS1	6.12957	6.0635	6.0431	5.97814	4.52878	5.80293	6.1732	5.02811	5.58619
PRAM1	5.7408	5.32183	5.80834	5.54782	6.06811	6.29877	5.70034	5.97706	5.78117

ZNF414	7.74755	7.69909	7.94474	8.39762	8.15457	8.54158	8.53724	8.29039	8.191
MYO1F	5.85334	6.20803	6.73002	6.52584	6.55131	6.78814	6.42694	6.53927	6.53979
ACTL9	5.64654	5.699	5.82051	6.10205	5.79616	6.35398	5.92523	6.10132	6.29609
ZNF558	7.20096	6.98449	6.96952	6.74669	6.32722	6.32645	6.83142	5.96975	6.61709
ZNF699	6.36267	6.75568	6.51923	6.36717	5.41737	6.66092	6.76278	6.04459	6.37135
ZNF266	8.40587	8.50862	8.10338	7.91289	6.13891	6.81559	7.46772	6.9092	7.11073
ZNF560	3.32935	3.43337	3.75377	3.78586	4.39874	4.10494	3.87651	3.74515	4.15314
ZNF426	8.02702	8.33531	7.85192	9.81598	9.56096	11.1131	9.54777	10.8077	10.9076
ZNF121	9.9454	10.0345	9.97167	8.63204	7.36052	9.02618	9.76807	9.8053	9.7027
ZNF561	6.95338	6.80839	6.55577	6.91903	5.81074	6.95285	6.95108	7.03504	7.14141
ZNF562	7.35994	6.72316	6.52063	7.66431	6.69859	8.01654	7.87209	7.44494	8.088
ZNF812P	6.13485	5.06718	5.32666	6.29779	6.87184	6.51893	6.71236	6.73603	7.56769
ZNF846	6.95356	7.29135	6.72832	6.53994	4.6412	6.84853	6.90748	6.07356	7.20417
FBXL12	7.26778	6.69883	6.94976	7.08317	5.2083	7.18514	7.3746	7.22161	6.80973
OLFM2	10.5426	10.1848	10.5711	8.67542	7.57056	8.45358	9.16233	8.45762	8.62799
ANGPTL6	5.80685	5.46753	5.82841	6.4695	5.89173	6.37868	6.18998	6.35923	5.65871
DNMT1	8.7276	8.22869	8.46735	8.61155	6.51565	7.69176	8.46292	8.12651	8.04007
S1PR2	7.31731	7.35417	7.46531	7.36532	7.16967	6.65355	7.6133	6.79716	6.92236
FDX1L	6.25464	6.417	6.39532	6.75786	6.69696	6.73419	6.75152	6.43515	6.41071
ICAM3	6.84891	6.96575	7.16306	7.40563	7.21854	7.52865	7.41862	7.57643	7.21674
TYK2	7.58667	7.32959	7.4386	7.4506	7.27857	7.46028	7.56983	7.50093	7.3615
CDC37	8.47609	8.39126	8.51075	9.41868	7.23402	9.7046	9.84332	9.54169	9.34052
KEAP1	7.91278	7.65018	7.71583	8.43686	5.55182	8.17107	8.77936	7.35144	7.61339
S1PR5	7.16919	6.57056	6.56487	7.41298	5.6912	7.32677	7.30047	6.83341	6.83509
KRI1	6.76683	6.59455	6.80191	6.70978	5.56029	7.2	7.24287	6.52656	6.36234
ILF3-AS1	6.46312	6.56295	6.521	6.46366	6.171	6.56974	6.46053	5.94098	6.13336

MIR199A1	4.3284	3.33965	4.25874	3.36772	3.34916	3.7575	3.73125	3.72762	3.29852
TMED1	6.05037	6.16411	6.07452	7.09092	5.93796	7.40719	6.78229	6.66217	6.78496
KANK2	7.87159	8.02675	8.39202	7.14036	6.76405	6.95315	7.08389	7.46542	7.49034
DOCK6	8.72111	8.28146	8.31147	8.81735	8.66192	9.78569	9.09968	10.199	9.32714
TMEM205	7.61799	8.04818	7.89173	8.29386	7.42879	7.7968	8.298	7.43587	7.48752
EPOR	6.60975	6.50955	6.4542	6.72165	6.75676	6.88309	6.4801	6.72057	6.69876
RGL3	5.99116	6.08753	6.18218	6.32984	5.97368	6.90254	6.68091	6.76998	6.4165
CCDC151	5.57235	5.40753	5.52996	5.98939	5.91799	6.04714	5.60699	5.6581	5.98052
ZNF653	6.45658	6.08175	6.40991	6.96304	5.92114	6.79495	7.23812	6.50628	6.60693
ECSIT	7.13281	6.9376	7.1278	7.32423	7.1481	7.14857	7.50745	7.18072	7.13746
ELOF1	9.16761	8.39139	9.00039	9.27844	8.51336	9.34682	9.52381	10.058	9.59244
ZNF823	6.3462	6.91263	6.58227	6.18569	6.04263	5.71288	6.99761	6.31514	6.31716
ZNF433	6.58161	6.27431	6.38868	5.45484	6.13542	5.85245	6.18094	6.59785	6.65949
ZNF878	5.23031	5.12133	5.25652	6.24704	6.23561	6.54874	7.06262	7.02124	8.84838
ZNF625-ZNF20	6.25332	6.51001	5.99192	5.94534	6.02586	6.00463	5.69414	5.70025	5.88023
ZNF44	6.7325	6.74941	6.76544	5.81395	5.42398	5.64403	6.10136	5.57938	5.76381
ZNF563	5.71367	5.73068	5.49308	5.37184	5.76008	4.49467	5.47852	5.06794	4.48218
ZNF442	6.97093	7.103	7.08508	6.72084	7.07776	6.89623	6.97733	7.16844	7.59879
ZNF799	5.31706	6.16305	5.64336	5.93535	6.0045	5.74579	5.66175	5.85559	5.5645
ZNF443	5.83937	5.99214	5.83828	6.02649	6.16289	5.87545	5.37694	5.54061	5.64788
ZNF709	5.88768	5.84779	6.09456	5.83034	5.81552	6.05488	5.64481	6.08194	5.75388
ZNF564	6.03105	6.09935	6.00458	5.45379	5.73049	5.4013	5.71406	5.12976	5.60317
ZNF490	7.22156	7.29716	7.15261	6.7865	6.6392	6.25965	6.53377	6.55993	6.72341
WDR83OS	7.86697	8.12661	7.85287	9.06763	7.19532	8.11299	9.02452	7.71846	8.25645
DHPS	8.7179	8.52143	8.45286	8.20827	6.17553	7.97564	8.65254	8.24142	8.30566
FBXW9	6.14536	6.62202	6.5633	6.66332	6.22266	6.67898	6.77358	6.59712	6.73292

TNPO2	8.73637	8.88492	8.7614	8.30214	7.4724	8.33656	8.70365	7.95141	8.56012
HOOK2	8.17914	7.81342	7.63492	8.12373	6.59303	8.52328	7.99113	7.67543	8.30773
PRDX2	7.99106	8.56039	8.09014	8.76842	7.71552	7.96193	8.54768	7.3605	7.98731
RTBDN	5.71015	5.70766	5.81536	6.41216	6.76514	6.69454	6.13419	6.40367	6.50098
KLF1	6.09815	6.34887	6.08727	7.20093	7.2931	7.44887	6.87871	7.01668	7.05433
SYCE2	5.47261	5.99588	5.72772	5.33922	5.72452	5.74052	5.60759	5.47827	5.27137
LYL1	6.62278	6.516	6.73575	7.25164	6.94034	7.8171	7.29365	7.17649	7.09462
TRMT1	7.72472	7.34473	7.66054	8.04021	6.71778	7.76025	8.114	7.28124	7.68599
STX10	8.64684	8.40124	8.36294	8.98406	8.16665	9.35765	9.22176	10.1448	9.15751
mir24-2	8.08162	7.65504	7.70795	7.751	6.52333	6.60997	7.56742	7.75408	7.85886
mir27a	8.30039	6.73667	7.43418	6.63137	6.50276	6.21046	6.86552	6.49216	7.21873
MIR23A	7.15702	6.3469	6.46783	6.60774	5.47186	4.87975	6.74564	7.01872	6.56016
PODNL1	7.66846	7.2474	7.13238	8.60019	7.88384	8.41348	9.01122	7.76946	8.40306
PALM3	5.62179	5.69478	6.00318	6.40687	5.23703	6.69734	5.83233	5.80501	6.26142
SAMD1	7.18474	6.81213	6.77425	7.30957	6.35936	7.61573	7.8266	7.04849	7.14235
ASF1B	6.44416	5.98882	6.39815	7.12054	6.23223	6.54501	6.68905	6.60567	6.78514
DDX39A	7.29172	7.16771	6.8502	7.83359	5.41326	7.61274	7.59361	7.46653	7.30411
ILVBL	6.98596	6.89078	7.02567	7.25542	7.27369	8.61031	7.22197	7.50375	7.40299
NOTCH3	9.85692	9.29602	9.4351	9.62555	7.87087	10.4187	9.93456	9.33528	9.63972
EPHX3	10.5887	9.86787	10.1273	10.9889	10.1794	10.5709	11.1186	9.95077	10.3929
BRD4	9.51184	9.39513	9.33041	8.66144	7.10559	9.26659	8.90259	9.31741	9.32083
AKAP8	8.4257	8.66707	8.28281	8.26545	7.59934	8.19238	8.62	7.97841	7.83632
AKAP8L	9.23207	9.32094	8.91612	9.00906	8.00226	9.36532	9.16807	9.41622	8.92196
WIZ	7.16236	7.00105	7.0285	7.5232	6.80849	7.69426	8.0667	7.22916	7.26846
RASAL3	6.85361	6.49353	6.78455	6.85766	7.05165	7.30755	6.81691	7.10698	6.92677
PGLYRP2	5.77462	5.80087	5.80721	6.21592	6.04853	6.04167	6.19531	5.97611	6.03337

CIB3	6.29169	6.04538	6.2086	6.57085	6.73788	6.26846	6.05503	6.51527	6.33847
EPS15L1	9.05719	9.25256	9.04538	8.98032	7.2725	9.21841	9.42927	9.76565	9.48781
CALR3	4.12509	4.20728	4.002	4.37402	4.51635	5.00062	4.46601	4.07453	4.34468
CHERP	7.41573	7.45912	7.45739	7.55609	6.80696	7.59316	7.79426	7.55617	7.3246
MED26	7.57116	7.5039	7.67047	7.98469	6.89814	8.31502	8.25529	8.19125	7.78118
SMIM7	7.46229	7.76665	7.41865	6.82973	6.51008	6.47236	7.23141	6.55572	6.63063
USHBP1	5.8304	5.47643	5.98419	6.29804	6.69727	6.03995	6.0184	6.54281	6.26082
ABHD8	7.20015	6.54211	6.60681	7.59037	6.85985	7.36481	7.0023	7.64808	7.1124
ANO8	8.9232	8.85215	8.22823	8.17465	6.96381	8.99357	8.12143	7.54584	8.19098
PLVAP	8.36079	7.71074	8.98383	7.92122	7.50451	7.14229	7.64129	8.60053	9.03384
BST2	4.28673	4.71848	4.97235	4.87692	3.72458	5.05351	4.79908	4.22719	5.07334
TMEM221	5.65314	5.37078	5.49587	5.98966	6.34683	5.76118	5.72524	5.66156	5.78223
NXNL1	6.167	6.0371	6.2292	6.88408	6.15548	6.78768	6.61266	6.9227	6.37971
UNC13A	5.78882	5.99254	5.9818	6.34783	7.05727	6.46449	6.09441	6.42937	6.54407
INSL3	6.13495	6.39207	6.18411	6.45179	7.81353	7.03185	6.37966	6.84343	6.60506
JAK3	5.64815	5.56908	5.40914	5.52533	5.97594	5.92458	5.7782	5.68604	6.01709
LOC729966	6.2368	5.86417	5.86723	6.11171	7.12064	6.49554	6.13648	6.26473	6.52278
KIAA1683	7.4062	6.47814	6.79038	6.24293	6.67324	6.64343	6.15521	6.40549	6.52938
jund	10.0216	8.65695	9.04012	9.4149	7.97203	9.96108	10.0294	8.87861	9.56024
LRRC25	4.49624	4.61675	4.93166	5.68162	5.4047	5.29615	5.15081	5.4601	5.20933
ISYNA1	6.14055	6.1843	6.46227	6.86777	5.59084	7.13317	6.80418	6.81415	6.61238
ELL	7.71437	7.48506	7.61605	7.91847	7.25398	8.96482	8.40943	8.49747	8.39679
CRLF1	7.07161	7.31128	7.98434	8.39421	6.82416	7.99029	8.90788	7.75231	8.34003
COMP	8.14148	8.58733	7.85686	6.66071	6.5475	7.35803	8.89004	6.85271	7.34307
GDF1	6.38351	6.34461	6.09086	6.8461	6.62182	7.15109	6.53226	6.36294	6.80719
HOMER3	6.77491	6.90173	6.86088	7.65561	6.07985	7.8223	8.0368	7.50176	7.89395

SUGP2	8.59595	8.17447	8.40747	7.7386	6.29342	6.727	7.45644	7.79071	7.73504
TMEM161A	7.25594	7.13068	7.10953	7.59826	6.87575	7.56119	7.9728	7.02273	7.31786
BORCS8-MEF2B	6.40995	6.42158	6.38436	7.01537	6.25273	6.62845	6.86328	6.69539	6.7555
NR2C2AP	7.01049	7.09842	6.9776	7.19396	6.61247	6.59028	7.02467	6.67147	6.66089
HAPLN4	5.85766	6.01171	6.16964	6.9961	6.67726	6.92509	6.57689	6.78144	6.89338
TM6SF2	5.80593	5.81813	5.9162	6.47432	6.80998	6.39662	6.17735	6.29971	6.35353
SUGP1	6.91427	7.2872	6.86751	6.85201	6.65935	7.03711	7.22259	7.2392	6.87088
TSSK6	5.7862	5.84337	5.9278	6.64331	5.89077	6.44605	6.28231	6.17653	6.3115
PBX4	6.13393	6.25925	6.60374	6.44033	6.25178	6.81439	5.86624	7.13874	6.47484
LPAR2	6.9765	6.50698	6.52569	7.33287	6.85992	7.45126	7.53601	6.5668	6.97122
GMIP	6.87932	6.58187	6.51192	6.8391	6.27797	7.43237	7.38042	7.60948	7.25871
ATP13A1	8.01906	7.66123	7.84155	7.669	7.11318	7.85336	8.41585	7.38553	7.76857
ZNF14	5.32819	6.06892	5.92774	4.27631	5.09653	4.15667	5.51872	4.52791	4.36864
ZNF506	7.8247	7.89093	7.97386	5.78237	5.7927	5.34582	6.78255	6.02837	6.57159
ZNF682	6.08859	6.03849	6.51227	4.94841	5.15983	5.17552	5.45662	5.03928	5.10912
MIR1270	5.62987	5.87821	6.45439	3.39205	5.44554	3.96544	3.87453	4.18058	4.02953
ZNF737	6.98736	7.76634	6.79132	5.22349	6.14495	5.40441	6.52786	5.36269	5.74833
ZNF626	8.17005	8.48059	8.36812	7.05368	6.93989	6.44471	7.04092	6.31233	6.3755
ZNF708	6.33267	6.72837	7.08578	5.02431	4.94133	4.33568	5.27758	4.83841	5.29607
ZNF100	7.92827	8.35247	8.27007	5.75651	5.18508	5.1677	5.31865	6.18408	4.98693
ZNF43	7.74236	8.25094	7.78114	6.46562	6.87963	5.81164	6.07654	6.02025	6.27115
znf208	6.04038	6.59116	6.30058	5.18949	5.55133	5.64012	4.96411	5.22266	5.45063
ZNF676	4.08704	4.92836	3.92713	3.83873	4.37161	4.53555	4.15712	3.95234	4.19825
ZNF98	7.16916	7.10004	7.21594	7.74868	7.61208	7.64879	7.1531	7.54173	7.7886
ZNF99	1.77913	2.51914	2.24434	2.34495	2.6749	2.4654	2.99503	2.71129	2.52637
ZNF728	4.2205	4.2731	4.31687	5.46946	4.40986	5.85296	5.02397	4.98734	4.51752

znf91	7.68008	7.5003	7.88114	6.38243	3.94466	6.54614	5.77796	5.74992	6.88321
ZNF675	6.43144	7.47923	6.22448	5.10909	5.55478	6.07571	5.58557	5.77296	6.15448
ZNF681	6.60801	7.5012	7.13763	5.7643	6.92834	7.43063	7.50219	7.87644	9.60637
HAVCR1P1	5.57043	5.11609	5.51513	5.65554	6.93851	6.04435	6.48412	6.31003	6.63186
LOC284395	5.74569	5.84463	5.81287	5.95138	7.10949	5.85388	5.95653	5.93262	5.80534
TSHZ3	6.821	6.3662	6.54933	6.65881	6.39542	5.60321	6.46455	6.33279	6.30439
LOC400684	5.3683	5.62667	5.42177	5.45943	4.94337	5.25511	4.45917	5.35613	5.55718
ANKRD27	8.12764	8.41707	7.81536	7.94459	7.19424	8.06796	8.0019	8.43699	8.40348
CEP89	6.93865	7.20258	6.4987	6.78469	6.24191	6.3918	7.15421	6.38839	6.7676
PEPD	8.56897	8.30168	8.35199	9.14458	6.57502	8.69456	9.11133	8.50229	8.72867
ZNF599	5.15166	5.11155	5.56139	3.3394	4.53734	3.97975	4.27429	3.86585	3.83987
LOC400685	6.07981	5.91456	6.12592	6.2174	6.71798	6.34317	5.96037	6.32917	6.34737
ZNF792	6.58082	6.56259	6.53294	6.46064	6.94281	6.94455	6.31306	6.58452	6.07375
HPN-AS1	4.57924	5.05397	4.69269	4.98962	4.69386	5.71279	5.35687	5.69281	5.79653
KRTDAP	12.9213	12.7107	12.7954	13.167	13.2685	13.0525	13.1228	12.5222	13.0428
DMKN	12.3363	12.2402	11.9728	12.041	11.619	11.3635	11.8793	12.5189	11.9965
SBSN	12.5611	12.6939	12.5277	13.1676	13.2164	13.5907	13.2718	13.4009	13.1043
TMEM147-AS1	7.52984	8.08589	7.67591	6.38549	7.09994	6.15204	6.83992	6.65715	6.42475
UPK1A-AS1	6.17522	6.87137	5.57236	7.51839	8.18324	6.67536	5.7573	5.99547	6.0035
IGFLR1	6.71065	6.19732	6.53967	7.03607	6.67773	6.69227	7.03141	6.38092	6.66033
U2AF1L4	6.91392	6.14848	6.54537	6.29909	5.68832	6.09008	6.4816	5.60854	6.22202
PRODH2	5.23434	5.43374	5.46618	6.07772	6.20665	5.81791	5.74039	5.88362	6.17142
TYROBP	7.5576	7.24043	8.26524	8.75598	7.52412	8.90641	9.01954	8.01905	8.02677
CLIP3	7.09961	7.084	6.86169	7.21241	7.36911	7.01283	6.81293	6.92022	6.78933
THAP8	6.84718	7.03865	6.85952	7.47508	7.13477	7.69372	7.66913	7.61594	7.37265
Cox7a1	6.77905	6.75723	7.15352	6.71978	5.90706	6.29243	6.9264	6.4289	6.3941

ZNF565	6.53804	6.60501	6.46436	6.43334	6.18941	6.40182	6.69195	6.24131	6.49842
LINC00665	6.6352	7.06706	7.02436	6.55076	7.3212	6.16717	6.29076	6.35941	6.8145
ZFP14	6.15372	6.97609	6.54805	5.31771	5.34146	5.62399	5.10202	4.9691	5.26496
ZFP82	5.3774	5.78754	5.99105	5.72407	6.04872	6.06775	5.3325	5.77441	5.75027
ZNF566	6.42066	6.72566	6.48859	4.61556	5.10304	5.53551	5.67566	4.78289	5.03455
ZNF260	8.54115	8.70661	8.40931	6.78422	6.28409	6.01082	7.23739	7.12757	7.13485
ZNF529	7.02648	7.29216	7.21222	6.49956	6.98185	6.71323	6.74479	6.01367	6.33694
ZNF461	6.11716	6.26234	6.04195	4.70927	5.31175	4.56267	5.17665	4.78457	4.7013
ZNF850	7.47174	7.94018	8.01944	7.1053	7.37921	6.2644	6.31514	6.89513	6.9004
ZNF790	6.6674	6.817	6.72351	6.7153	6.87714	6.70958	6.39524	6.43458	6.43424
ZNF829	6.19737	6.6159	6.72284	5.59692	7.26041	5.75543	5.70416	5.79405	5.90875
ZNF585A	7.29893	7.70317	7.56257	7.01089	7.13724	6.78546	7.72023	6.9936	7.19926
ZNF585B	6.22173	6.60273	6.66754	6.25573	5.3887	5.7046	5.93241	5.55069	5.94117
LOC284412	5.15205	5.08364	5.32924	5.41537	5.85925	5.69654	4.98155	5.07066	5.22315
ZNF569	5.42106	5.48321	5.79799	5.72975	5.1331	5.86028	5.76548	5.72861	5.76905
ZNF571	6.0565	6.2327	6.46146	5.73104	5.30432	5.34575	5.73078	5.62257	5.35914
ZFP30	6.6641	6.88635	7.07326	5.32619	5.77939	5.68422	5.68245	5.01254	5.957
ZNF781	4.73276	4.7572	4.74104	4.76881	4.55976	4.6268	4.78342	4.16316	4.53217
ZNF607	6.34383	6.79211	6.39531	5.79713	5.76477	6.02171	5.83086	6.24586	5.60244
ZNF573	4.54216	4.92347	4.46088	4.70363	4.25538	4.29799	4.02535	3.87381	4.4202
LOC100631378	4.23886	4.27744	3.59946	3.51701	5.19113	4.40414	3.74538	4.26734	4.08266
WDR87	4.30153	4.42029	3.95385	4.8698	5.83583	4.99523	4.62175	4.85083	4.69117
YIF1B	7.28321	6.90092	7.08371	7.93287	6.53507	8.35243	7.85802	8.22677	7.53445
GGN	5.21808	5.03584	5.07864	6.09726	6.01678	6.49413	6.37931	6.06995	6.00444
RASGRP4	6.55791	6.3544	6.30575	6.69806	7.02193	6.76803	6.69233	6.73499	6.88209
MAP4K1	5.35593	5.58175	5.97268	5.59675	6.70548	5.91837	5.98434	5.53959	6.03533

CAPN12	6.50455	6.50264	6.16301	6.96414	6.64058	7.12661	6.75917	6.80527	6.46089
HNRNPL	10.2766	10.0735	10.1926	10.6191	8.12479	10.3491	10.5729	9.79832	10.0748
RINL	5.66708	6.31954	6.01743	6.35686	6.51185	6.08663	6.82866	6.01465	6.51213
SIRT2	7.86606	7.52716	7.50166	8.27585	8.2402	8.43898	8.42339	8.76207	8.55233
CCER2	6.65095	7.12591	6.97087	7.40028	7.2917	7.08444	6.65693	7.25834	6.82718
FBXO27	8.80443	8.37543	8.17153	9.22538	7.50282	9.48497	9.41881	8.62655	8.68028
SYCN	6.18943	6.47385	6.14852	6.8383	6.3462	6.88664	6.76507	6.66111	6.96422
LRFN1	5.79538	5.75436	5.77008	6.29655	5.83729	6.73003	6.08881	6.39945	6.33615
MIR4530	6.51018	6.74974	6.70967	7.21275	7.04894	7.43884	6.62812	7.17803	7.16681
RPS16	8.82279	8.35963	8.23865	8.51036	8.12492	8.09091	8.49028	8.31998	8.62785
EID2B	4.97228	4.73492	5.13866	5.46427	5.72881	4.93804	4.93436	5.12342	4.80936
EID2	5.92162	5.86995	5.59214	6.72607	5.7408	6.88398	6.96721	6.36801	6.01883
CLC	4.82979	4.46358	4.6716	4.62771	5.50775	4.74681	4.65228	4.83532	4.55456
DYRK1B	7.16791	7.12954	7.21463	7.4352	6.87202	7.78972	7.90944	6.88923	6.81596
FBL	9.93771	10.0466	10.1965	10.2416	7.04474	9.94274	10.2859	8.86486	9.14593
FCGBP	6.86941	7.2946	6.92918	6.97951	6.57446	6.63448	6.9414	6.26284	6.45489
ZNF780B	6.90823	6.64899	7.42068	6.25876	6.4985	6.2441	6.42374	6.20024	6.65209
ZNF780A	6.32543	6.86384	6.13085	5.35033	5.66414	4.69767	5.99904	5.80705	5.82242
TTC9B	3.68933	4.04806	3.84493	4.60599	4.34584	4.9367	4.66716	4.01147	4.56293
CNTD2	5.65827	5.44376	5.73292	6.45159	6.1072	6.9072	6.04079	6.32936	6.42012
AKT2	7.66821	7.21958	7.39347	7.19514	6.97272	7.55965	7.51612	7.37641	7.59758
MIR641	4.34782	4.35051	4.05318	4.49875	3.89019	4.37317	4.99266	4.37332	4.29674
C19orf47	7.36602	6.95452	7.17976	7.70874	6.29398	7.50674	7.87755	7.23471	7.41557
HIPK4	4.9662	5.37475	5.23091	6.09559	5.84118	6.21328	5.66923	5.98444	5.93858
PRX	5.94709	5.84349	6.23919	6.50144	6.16726	6.8344	5.95151	6.45849	6.57578
SERTAD1	8.0325	7.16529	7.17563	9.00421	7.36588	9.93249	9.04138	8.15175	8.75388

SERTAD3	7.29076	6.77107	6.57906	7.37095	6.71857	6.34061	7.1698	7.19628	7.23884
BLVRB	7.47303	7.66292	7.39357	8.16366	7.83002	9.18275	8.1072	8.71459	7.98751
NUMBL	7.68997	7.48014	7.66676	7.91887	6.81819	9.52463	7.89541	9.7876	8.62093
COQ8B	7.30379	7.1199	7.22075	6.80655	6.39997	6.74931	7.1939	7.09086	6.55567
c19orf54	6.67574	6.66145	6.69966	6.64806	6.25377	6.57618	6.45216	5.68692	6.16557
B9D2	6.26802	6.08017	6.33091	6.37599	6.658	6.27546	6.29657	6.16893	6.1573
EXOSC5	7.49509	7.51711	7.60537	7.64316	6.00046	6.4449	7.66709	6.31508	6.54518
ATP5SL	7.61807	7.52958	7.6544	7.67516	5.81978	7.39397	7.65597	7.44789	7.51409
PCAT19	7.26541	6.3458	7.85613	6.21638	6.38729	5.37914	6.26471	6.34327	6.94452
CEACAM4	5.09636	4.75591	4.94915	5.26944	5.59648	5.42843	5.37758	5.98313	5.35243
CEACAM7	5.14571	5.62157	7.24923	3.91234	4.42784	5.03868	5.33003	4.32416	4.74508
LYPD4	5.14214	5.36537	5.30808	5.49551	6.41269	5.81137	5.76167	5.74317	5.68236
RABAC1	7.86671	8.12294	8.02268	9.37834	8.13971	9.62733	9.79198	8.97857	8.94121
POU2F2	5.65711	5.66296	5.47765	5.87197	6.05647	6.15095	6.04475	6.24376	6.06125
DEDD2	7.65977	6.96602	7.55114	7.4967	7.47951	9.58748	8.19732	8.96015	8.15826
GSK3A	8.80032	8.72555	8.74563	8.87931	8.35874	9.14542	9.35972	9.29037	9.22578
ERF	7.3371	7.09397	7.3124	8.34314	7.0697	7.63046	7.90106	7.85263	7.69307
CNFN	12.8052	12.8508	12.7705	13.6374	14.024	13.9082	13.9873	14.0276	14.0303
CXCL17	7.34054	6.82982	7.08809	6.92787	7.37976	8.12357	7.48128	6.47054	7.19243
CEACAM1	6.70136	6.33248	6.68832	6.51307	7.17685	8.45947	6.83263	8.07155	7.25931
ceacam8	3.94456	3.53871	4.1228	4.43722	5.28368	4.8864	4.15813	4.35042	4.31905
psg3	3.77079	4.33072	3.97588	5.17009	5.127	4.56346	4.885	4.76119	5.03949
PSG8	4.05181	4.18077	4.18042	5.13445	5.53213	4.26253	4.68257	4.39738	4.52828
PSG1	2.92781	2.44249	2.96392	2.64348	5.35792	2.09366	2.80122	3.8592	3.68542
PSG6	5.1815	4.89121	4.70937	5.84201	9.24205	5.42691	5.30977	5.98683	5.72992
PSG7	4.01801	3.42345	4.25843	6.2576	3.39144	4.47448	5.63502	2.85965	3.87398

PSG11	2.5171	2.36896	2.10234	3.38489	3.47776	2.84663	3.26733	3.17973	2.2321
PSG2	3.45377	3.25593	3.35531	3.84861	4.73376	3.79329	3.24447	4.06216	4.07493
PSG5	5.3613	5.60515	5.27903	5.64291	6.33299	5.93221	5.89892	5.53555	5.83681
psg4	4.71217	4.9688	4.75708	5.30812	5.89298	6.61366	5.52241	6.81779	8.18646
Psg9	4.53162	4.66505	4.90562	4.82555	5.45166	5.07297	5.03564	6.08646	4.99875
LYPD3	12.3615	11.7188	12.0799	12.7206	11.7607	12.8385	12.7095	12.3555	13.1072
ETHE1	8.59139	7.74738	8.51491	9.47192	8.99722	10.4587	10.4576	11.0768	10.6507
XRCC1	8.50036	8.16061	8.34499	7.69613	6.60174	7.40627	7.86699	7.72753	7.64016
ZNF428	5.49229	5.88099	5.72979	6.36523	5.01574	5.82807	6.55691	5.43255	5.84999
CADM4	6.90509	7.28265	6.87647	7.5773	6.85055	8.6075	8.36012	8.95246	8.13217
LYPD5	10.7129	10.1409	9.99348	11.385	12.2798	12.636	11.8687	12.811	12.4267
ZNF404	4.50744	4.63216	4.21443	3.79152	4.86934	4.85233	4.47915	4.79075	4.25178
LOC100505715	4.0803	5.36452	4.5629	4.66637	5.88715	4.84209	4.51685	4.66824	4.74317
ZNF45	7.01082	7.18174	7.08346	6.0333	6.04752	5.83109	6.17098	6.17904	5.81242
ZNF235	6.99357	7.12915	6.2003	5.99303	5.764	5.85307	6.40333	6.50557	6.72729
ZNF112	6.97997	7.16228	6.99605	6.16434	6.80036	6.02421	6.33691	6.55748	6.19279
ZNF285	3.8266	4.66387	2.97308	3.22274	5.12096	4.75559	3.71543	4.15879	4.66083
ZNF229	5.09837	5.65204	4.6686	5.29782	5.82904	4.70645	5.4181	4.75472	4.79332
ZNF180	6.26397	5.90194	6.03732	5.73693	5.55147	5.77483	6.34251	5.46285	5.5398
CEACAM20	5.73317	6.04064	5.92422	5.93164	7.30263	6.06762	6.11039	6.02364	6.06781
ZNF296	6.26392	5.99493	5.91067	7.1261	5.67514	6.77641	6.78427	6.37642	6.43053
TRAPPC6A	6.61756	7.50021	6.54849	6.79186	5.24751	6.57982	7.00337	5.80203	6.01462
EXOC3L2	6.73379	6.50999	6.642	7.32582	6.99278	7.78184	7.08469	7.3642	7.38747
RTN2	6.16124	5.98231	6.10029	6.93158	6.48963	7.47191	6.95214	6.91139	6.68424
GPR4	5.81677	5.94724	5.68673	6.82046	6.79394	6.57195	6.46935	6.77153	7.27971
EML2	6.4996	6.54101	6.12076	7.09827	6.14187	7.30919	7.2142	6.76736	6.85155

MIR330	6.67521	6.91093	6.80613	6.91913	7.01008	6.48928	6.65711	6.73369	6.73633
SNRPD2	7.42169	7.64509	7.34528	8.87345	7.88915	8.51649	8.32738	7.50651	7.80095
FBXO46	7.37666	7.24748	6.93538	8.40908	7.17606	8.15397	8.47896	7.80996	8.35249
DMPK	7.54234	7.3333	7.41546	7.61098	6.89891	7.67651	7.53388	7.82026	7.62944
RSPH6A	5.71707	6.02559	5.77252	6.2081	6.4031	6.77413	6.2616	6.29715	5.98295
SYMPK	8.54956	8.54848	8.48002	8.47572	6.98627	7.95104	8.46693	8.19247	8.28807
IRF2BP1	6.05614	5.9065	5.60294	6.20773	6.15606	6.68367	6.35859	5.92934	6.21047
NANOS2	6.03208	5.73404	5.55214	6.25479	6.13121	6.58356	5.83934	6.26263	6.4022
NOVA2	6.14753	5.79315	6.09165	6.4917	5.85681	6.72595	6.13375	6.53768	6.05084
PGLYRP1	5.11465	5.52531	5.33801	5.82311	6.64773	5.59217	5.78857	5.79494	5.6875
IGFL4	7.3076	7.75871	7.94002	5.23441	5.27326	4.81591	6.61148	4.89062	5.89073
IGFL3	7.98621	6.83464	8.18436	8.26878	7.01633	6.18553	8.18169	6.94856	7.12035
CCDC8	6.72424	6.75395	6.69035	6.98563	7.01888	7.27439	6.47775	7.07054	6.57146
PNMAL1	5.88696	6.11383	6.21809	6.33294	6.30993	6.76755	6.18986	6.44875	6.38299
PPP5D1	5.90613	5.63471	5.36792	5.99655	5.94275	6.35078	5.67772	5.58144	5.48903
PTGIR	6.47718	6.42611	6.55334	6.7454	6.88667	6.92542	6.45596	6.82606	7.00922
prkd2	8.62689	8.28134	8.06502	7.74654	6.70775	7.80489	8.37174	8.06723	7.74156
MIR320E	5.68367	5.27787	5.44919	5.54359	5.11341	5.75552	5.331	6.5408	5.33036
SNAR-B1	6.72635	6.75055	6.72795	7.48861	9.94564	7.58321	6.75266	7.27561	7.16764
TMEM160	8.21494	7.7377	7.8756	9.52172	7.09281	8.631	9.55034	7.97878	8.20385
ZC3H4	7.80784	8.0332	7.73013	7.8588	5.52767	7.78352	7.85636	7.04271	7.52935
BBC3	6.65056	6.3907	6.26674	6.85328	6.16658	6.9426	6.51959	6.57505	6.55294
MEIS3	5.41652	5.41107	5.6571	6.21618	6.20393	6.05661	5.55991	5.64834	5.85658
KPTN	6.01706	5.57633	5.93324	6.63903	5.89494	6.67862	6.42291	6.42161	6.37108
znf541	5.21051	5.12164	5.10914	5.56279	5.34501	5.81518	5.74954	5.45075	5.39389
TPRX1	5.56049	5.83541	5.50159	5.74865	6.24157	6.58698	5.77148	6.11368	6.13857

BSPH1	4.81168	4.79785	4.67821	5.41304	5.68327	5.73713	5.04558	5.21379	4.68395
CABP5	5.09201	5.38208	5.35147	5.42464	6.5406	5.77994	5.36413	5.47792	5.38038
CCDC114	6.00347	5.92976	5.97533	6.54498	6.5982	6.9266	6.40305	6.55673	6.50871
TMEM143	6.13063	5.97934	6.10474	6.43163	5.54423	6.37282	6.34879	6.02976	5.50802
KDELR1	9.32209	8.9431	9.5202	9.55649	7.42518	9.83567	9.78532	9.5271	9.75843
lmtk3	6.87869	6.71488	6.5888	7.52419	7.40671	7.72862	7.24109	7.4034	7.35245
RPL18	8.68339	8.59363	8.80777	8.61807	8.51583	8.43204	8.55327	8.56879	8.42544
DBP	8.48575	8.15112	7.77078	8.60936	7.45655	8.36588	8.20961	7.74609	7.58991
CA11	7.64811	7.18858	6.45682	6.96649	7.03645	6.75864	7.73623	6.78014	6.11504
NTN5	5.70991	5.75313	5.36784	6.15376	5.64733	6.26094	5.81769	6.13188	5.88807
MAMSTR	6.69935	6.56155	6.67306	6.8835	6.7762	7.22468	6.80521	6.65697	6.67306
RASIP1	7.16349	6.66753	7.03878	7.80589	6.16855	7.39406	7.80467	7.59912	7.85495
IZUMO1	4.88666	5.04932	4.6937	5.84609	5.16883	5.05831	5.84953	5.35877	5.50996
HSD17B14	4.89829	5.21084	5.0558	5.4718	5.01947	5.18903	4.83533	5.4253	4.99368
TULP2	5.72419	5.72545	5.41861	6.21183	6.09254	6.3862	6.23626	6.26444	6.16651
GYS1	7.50389	7.26373	7.21742	8.13603	6.60283	9.11978	8.51619	7.65196	8.00369
LHB	6.76885	6.87487	7.11182	7.227	7.6952	7.07127	7.20735	7.31527	7.2109
SNAR-G2	6.42595	6.97362	6.50961	6.7968	7.99825	6.7594	6.49538	7.50056	8.03136
NTF4	6.24639	6.32862	5.90311	6.71243	6.96254	7.04256	7.07729	6.41527	6.40072
C19orf73	7.63747	7.96704	7.25955	7.81868	7.02402	6.99944	7.77251	6.71441	7.13527
HRC	6.09442	6.43896	6.20853	6.44355	7.18194	7.15796	6.7748	6.89568	6.8372
MIR4324	6.57416	7.08771	7.31906	7.15807	7.64544	7.81957	6.82555	7.11465	7.77687
TEAD2	6.71142	6.49785	6.28203	7.25855	6.24741	6.10878	6.94004	6.38493	6.33824
PTH2	6.79742	6.82436	6.72386	7.72505	7.53621	7.50633	7.58728	7.37365	7.3923
PIH1D1	7.20892	7.19858	7.18488	8.12416	6.70488	8.11395	8.05167	7.45305	7.63863
mir150	5.24894	5.4712	5.30386	6.39127	6.09501	6.15372	5.67749	5.55862	5.5635

NOSIP	7.15578	7.6021	6.91001	8.71822	7.63614	9.39338	9.25186	9.62845	8.61594
RRAS	8.96217	8.31969	8.57411	8.55723	7.30846	8.02678	9.25854	9.25692	8.86164
IRF3	6.84315	7.05538	6.77589	7.38921	6.36423	7.17931	7.25887	7.11034	6.93273
TSKS	6.07239	5.99393	5.60686	6.22064	6.04128	6.05895	5.97113	5.89372	6.06945
FUZ	5.86175	5.60818	5.74074	6.32305	6.30268	6.33105	6.38492	6.17897	6.02113
PTOV1-AS1	6.02272	6.31849	6.16498	6.58296	7.04686	6.28191	6.3527	6.34059	6.24035
PNKP	8.24691	7.67387	8.11612	8.64939	6.79376	8.55401	8.43278	9.15594	8.65314
AKT1S1	7.13018	6.76932	6.82559	7.734	6.37413	7.10693	7.68391	6.97062	7.09329
IL4I1	7.96046	7.75976	7.73034	7.94888	7.7867	7.60636	8.28335	7.47621	7.68255
SIGLEC11	5.82164	5.83087	5.82907	6.47181	6.71071	6.48837	6.05609	6.45818	5.9168
VRK3	7.43664	7.23005	7.21163	7.62629	6.9769	7.88254	7.91297	7.87931	8.00305
SNAR-D	5.50011	5.51095	5.13681	4.88645	7.18313	5.47867	5.84292	6.55231	5.87689
IZUMO2	5.44295	5.51683	5.27638	5.87887	6.14347	6.19536	5.71499	5.84373	5.5141
NAPSB	5.04404	5.0073	4.89803	5.11858	6.01322	5.61242	5.52761	5.67565	5.12109
NAPSA	5.40779	5.53604	5.52458	6.12469	6.16528	5.76966	5.78745	5.42362	5.48987
LOC100506114	5.41274	5.27304	5.24002	6.17705	5.16944	6.2798	5.96517	6.22218	5.94832
josd2	6.62021	6.62695	6.69039	7.7301	6.98665	8.35537	7.80676	7.26041	7.63701
ASPDH	5.64361	5.99099	5.7777	6.53724	6.77241	6.45134	6.19408	6.4931	6.08942
Irrc4b	5.70376	5.85684	5.70651	6.69674	6.13323	7.13446	6.09573	6.23892	6.45909
syt3	4.95625	5.31566	4.92906	5.62094	5.74625	6.06302	5.87958	5.3156	5.33927
SHANK1	5.54607	5.61718	5.32914	6.19412	5.86147	5.94288	5.72054	5.91366	5.59301
C19orf48	6.95856	7.05272	7.05847	7.37097	6.44009	7.26343	7.53961	6.78042	6.52562
KLK1	7.42265	7.71427	7.22333	7.08195	6.44568	7.13947	6.50489	6.50491	6.62714
KLK15	5.469	5.3824	5.46118	6.0525	6.08601	6.17312	5.39258	6.01502	5.84333
KLKP1	4.57618	4.78153	5.04873	5.03715	6.46154	5.22543	4.61864	5.05866	5.15584
KLK4	5.3105	5.34409	5.44937	6.20752	6.1016	6.16842	5.88521	6.43069	5.81412

KLK5	10.814	10.0475	9.95496	11.1183	11.1015	10.5264	10.2343	11.6265	11.429
KLK6	7.08615	6.44327	6.71856	9.2061	7.8352	10.4203	7.62097	9.57089	10.9178
KLK7	12.4729	12.316	12.3316	12.4639	11.0608	12.0079	11.9582	11.6355	12.247
KLK8	10.3633	10.082	9.60024	11.3352	10.546	10.9401	11.0906	10.6872	11.0839
KLK9	7.90205	6.81987	6.82922	9.68025	9.41484	10.1808	10.2217	7.92748	8.57514
KLK10	9.42857	8.82637	8.99157	10.8383	11.408	11.8981	11.0682	11.5737	11.4846
KLK11	10.2603	10.6525	10.1994	10.9683	11.1564	11.5466	10.8804	11.2352	11.4706
KLK12	5.53676	5.53507	5.26111	9.06526	7.84916	9.8668	9.24259	10.3985	7.7743
KLK13	8.18144	8.12072	7.27896	8.70905	7.1663	9.5577	8.10445	8.54245	8.26773
KLK14	6.51111	7.09156	6.84115	6.93004	7.35658	8.05459	7.5152	7.51074	6.25873
CTU1	6.58318	6.71582	6.89119	6.95017	7.71665	7.46047	6.96753	6.99756	7.34349
VSIG10L	8.95551	8.44038	8.35976	9.50346	9.435	9.06615	9.22007	9.7691	10.1017
CLDND2	6.13029	6.02219	6.30429	6.57767	6.88938	6.85221	6.41815	6.09933	6.66873
NKG7	6.6458	6.56228	6.64797	6.73072	7.38137	6.74263	6.75353	6.98639	6.66481
C19orf84	3.9693	4.29706	4.40379	4.53766	4.44575	5.17926	4.7097	4.72724	4.83682
siglec10	6.06405	5.91664	5.9963	6.15675	6.91008	6.41891	6.16791	6.18778	6.2577
SIGLEC8	4.78295	4.92704	5.00713	5.63697	6.07856	5.32233	5.09577	5.06042	5.2809
SIGLEC12	5.97879	5.77371	5.75455	6.19953	6.49089	6.23225	6.15066	6.16197	6.41787
SIGLEC6	5.92127	5.53223	6.32079	6.08936	6.32938	6.0527	6.464	5.78939	7.00197
LINC01530	5.19607	5.47554	5.37523	5.82185	6.35488	5.87214	5.44347	5.74461	6.04439
SIGLEC5	4.57464	5.3891	5.30924	5.15676	5.57015	5.82964	5.22702	5.21843	5.20699
SIGLEC14	5.66032	5.93036	5.81186	6.0773	6.54521	6.50089	5.29554	6.16893	6.12924
HAS1	5.20533	5.07955	5.22464	6.15573	5.43178	6.20023	6.33167	5.97131	6.2545
FPR1	5.21444	5.47899	5.27866	5.4266	6.35034	6.25274	5.7617	5.91664	5.8918
ZNF577	7.51047	7.82292	7.48107	6.84306	6.51228	6.32476	6.86842	6.53146	6.38574
ZNF649	7.73824	7.39197	7.87569	6.24028	5.95858	5.94081	6.87705	5.40906	6.37017

ZNF350	6.70321	7.31113	6.99523	5.4457	4.87993	5.32644	6.41122	5.02817	5.6909
ZNF615	6.04337	6.26304	6.24983	5.03203	4.03198	4.31844	5.50359	4.57543	4.62278
ZNF614	7.43287	8.03716	7.56457	6.62773	5.94316	5.84134	7.097	5.9951	6.4752
znf432	7.64456	7.28427	7.40852	6.29341	6.0215	6.97274	7.04206	8.10888	8.75175
ZNF841	9.54848	9.38275	9.2874	8.73271	10.6247	9.44672	8.44286	11.1084	10.5474
ZNF616	5.21581	5.34235	5.78019	5.32114	4.97013	5.50371	4.85311	5.15309	4.88563
ZNF836	6.48499	6.62841	6.28999	6.37161	6.00912	6.3523	6.13752	6.61077	6.1971
ZNF83	7.72489	8.15313	7.79324	6.65526	6.61171	7.12837	7.10956	8.68298	8.60264
ZNF611	7.70345	8.30185	7.64228	6.8534	7.61723	7.89367	7.82409	7.4857	7.49043
ZNF600	6.36382	6.66873	6.59056	6.57788	6.70345	6.31869	6.44012	6.3728	5.99514
ZNF468	7.60192	8.05459	7.3627	6.94079	6.82525	6.00208	7.09847	6.10343	6.20264
ZNF320	6.39374	6.48652	6.36201	5.56595	5.07672	5.95293	6.16558	5.88279	5.27724
ZNF160	7.83389	8.16434	7.88231	6.83559	7.24417	7.33117	7.4452	6.64147	6.93953
ZNF415	6.35714	6.51482	6.1979	5.00159	6.2048	6.00499	6.63688	6.47237	6.30791
znf347	6.19205	6.33857	6.3904	4.57584	4.96687	5.14434	4.9072	4.25874	4.96476
ZNF665	5.41686	5.41451	5.22133	4.73585	5.15588	4.92853	4.92734	5.04827	4.65152
ZNF677	5.19908	5.41334	5.29864	4.76676	5.29543	5.17998	4.87041	4.45079	4.6505
VN1R4	4.2441	4.31737	4.12873	4.67508	5.40879	4.41809	4.44279	4.36665	4.14707
BIRC8	6.0419	6.07965	5.75765	6.22995	7.14798	6.80193	6.42059	6.26062	6.19193
Vstm1	4.82527	5.19449	4.72158	5.00187	5.3804	5.34458	5.68448	5.12901	5.18793
TFPT	6.17529	6.28601	6.03502	6.73387	6.14847	6.50859	6.86889	6.60595	6.46456
LENG1	5.55481	5.63866	5.80168	6.31521	5.76393	6.23371	6.31536	6.07677	6.10812
TMC4	6.50609	6.72753	6.59735	7.13889	8.00101	6.42625	6.35761	6.82521	6.8765
MBOAT7	7.03911	7.09208	7.10608	8.09303	7.36366	7.60095	7.88138	7.33774	7.20693
LAIR1	6.23399	6.06403	6.31622	6.35962	6.65881	6.60342	6.64925	6.30417	6.3956
LENG9	6.52306	6.16378	6.35236	6.69401	6.08776	6.77277	7.39242	6.81443	6.66982

CDC42EP5	6.08411	6.0344	6.023	7.06625	6.85742	7.00566	7.08734	6.62364	6.46831
GP6	7.51297	7.4353	6.40749	6.93243	6.62243	6.74652	6.62836	6.59192	6.80904
RDH13	9.02703	8.89512	8.48589	9.19423	9.08097	10.2896	8.86839	10.8484	9.7195
TNNI3	4.16616	4.62062	4.22525	5.44593	4.66798	5.10893	4.59933	5.08127	4.87764
SYT5	6.45053	6.81035	6.63795	6.96301	7.47083	7.4265	6.95405	7.08383	6.96536
TMEM86B	6.23399	6.37746	6.35032	6.70389	6.74691	7.15365	6.69447	6.70974	6.78576
TMEM150B	5.38537	5.50294	5.21179	6.11004	6.13408	5.81354	5.4573	5.86325	5.41425
COX6B2	5.53119	5.06637	5.35672	6.28271	5.47993	6.37563	6.28538	6.12136	5.90553
IL11	5.98462	6.1646	6.0037	7.41357	6.75331	6.84387	6.25843	7.90391	7.16482
TMEM238	8.37899	8.23756	8.59203	9.03489	7.87025	9.134	10.0532	7.3448	8.3176
UBE2S	5.14082	5.35437	5.06014	6.87812	5.08804	7.00805	6.63158	6.60595	6.56134
SHISA7	6.81504	6.76737	6.53639	7.13012	7.27316	7.37653	7.01767	7.18712	7.10309
ISOC2	7.51718	7.43881	7.44568	8.26955	8.13706	7.76352	8.07083	7.72818	7.9283
sbk3	6.39957	6.76207	6.7259	7.22687	7.22365	7.58377	7.15408	7.34868	7.36817
ZNF579	6.74392	6.89784	6.70359	7.09291	7.01339	7.43781	7.22625	7.33756	7.0999
FIZ1	5.94388	6.21592	5.80567	6.77316	5.55754	6.63398	6.63845	5.8923	5.68711
ZNF784	6.54253	6.64531	6.69639	7.23297	6.88857	7.18745	7.03126	6.72727	7.15861
ZNF787	6.22181	6.74931	6.5206	7.43023	6.64492	7.21884	7.57663	6.89521	7.22363
ZSCAN5B	3.97518	4.43901	4.07856	4.5769	5.40878	4.47001	4.32119	4.47412	4.15462
ZSCAN5A	5.51052	5.77924	5.62919	5.78688	5.39096	5.88395	6.04309	5.51814	5.44874
ZNF582	5.41015	5.62582	5.23023	4.23776	4.53395	5.18815	4.60056	4.47758	4.12587
ZNF835	4.72806	4.64588	4.68144	5.07336	4.82652	5.35508	5.15662	5.0147	4.86391
DUXA	4.10286	3.95557	4.29542	4.73038	5.16289	4.7461	4.54033	4.65515	4.49223
VN1R1	5.27665	5.67426	5.71216	5.08805	5.92832	4.91129	4.26	4.46699	4.87091
ZNF772	5.52172	5.98109	5.89701	5.60713	5.79741	5.81822	5.63531	5.80744	5.80211
ZNF550	6.41947	6.44239	6.2609	5.71923	5.5876	5.61236	5.5036	5.75953	5.8403

ZNF416	7.12012	7.48895	7.06363	7.80147	6.40988	7.54225	7.87551	6.70752	7.9237
ZNF154	5.95504	5.94503	6.16751	5.97267	6.3479	5.86828	5.60193	6.02762	5.71325
ZNF671	5.04122	4.25573	4.9793	4.97149	5.04432	5.12142	5.02568	5.52424	5.16667
ZNF552	4.8027	4.94445	4.77055	5.43838	4.13537	5.29181	5.99633	4.86865	5.32382
ZNF814	6.82385	6.75634	7.02748	5.71117	5.71043	5.52442	5.72055	5.76524	5.78967
ZNF417	6.67461	6.85966	6.72366	6.10317	6.18993	6.01358	6.34077	6.43243	6.58514
ZNF418	5.4336	6.11123	5.94377	4.77545	5.99194	4.71174	4.60377	4.51441	5.21819
ZNF256	7.17218	7.72	7.59772	6.3313	6.11041	5.77286	6.4843	5.55515	5.41883
ZNF606	6.97197	7.05975	7.2001	6.90532	7.05009	6.75285	6.80748	6.56635	6.94162
ZSCAN18	6.72465	7.08665	6.97615	7.04357	7.24892	7.24719	6.90351	7.06411	6.94976
ZNF329	6.84618	7.13925	6.94785	6.92187	6.94374	6.15939	6.89307	6.49751	6.38175
A1BG	5.83845	6.35282	6.13882	6.73647	6.8978	6.60275	6.09348	6.74915	6.60879
ZNF497	6.24484	6.29803	6.00366	6.79655	6.8233	7.3984	6.92714	6.51965	6.8256
ZNF837	6.11629	6.33261	6.24155	6.97714	6.66113	7.03396	6.73114	6.55768	6.66138
ZNF132	6.24145	6.23927	6.16728	6.17011	6.28981	5.99736	6.23283	5.8261	6.7851
ZBTB45	6.73167	6.68062	6.52661	7.32489	5.91204	7.18719	7.36683	6.62309	6.48785
CHMP2A	10.7526	10.4029	10.6073	10.9383	9.30344	11.2665	11.2641	10.5912	10.9042
UBE2M	6.0565	5.81532	6.11349	6.66946	5.90148	7.46516	7.03457	7.06351	6.63181
MZF1	6.8334	6.47393	6.74971	7.04232	6.52482	7.40601	6.69818	6.77993	7.12495
TPO	5.18776	5.28691	6.07459	5.62513	6.2578	5.8672	5.61883	5.77936	5.85551
MYT1L-AS1	5.11032	5.00874	5.1547	5.25463	6.15926	5.64106	5.37454	5.76191	5.81877
TRAPPC12	7.55929	7.52956	7.41352	6.84335	5.92878	6.88074	7.32706	6.85979	6.92739
RNASEH1-AS1	6.66245	6.06532	6.65648	6.64663	5.96143	6.49243	6.80258	6.61901	6.61837
RPS7	6.02196	6.01304	5.73903	6.45558	6.20453	6.13765	6.10128	6.01439	6.09671
COLEC11	5.72161	6.10908	6.01193	6.22577	6.8342	6.70408	5.97063	6.51003	6.22838
ALLC	4.98239	5.02324	4.92107	5.32738	5.82483	5.50069	5.37891	5.12646	5.29656

SOX11	5.0243	5.63358	5.28726	5.65022	5.69117	6.31495	5.47675	5.81615	5.64343
LINC01105	3.94744	4.51081	4.08939	4.19344	5.04057	4.28964	4.70613	4.58134	4.48546
LOC400940	3.89584	4.25166	3.87212	4.29849	4.64154	4.68489	3.77006	4.36409	4.39844
RSAD2	5.8872	5.91233	5.85459	5.698	5.93052	7.64909	6.02238	7.72436	6.05748
RNF144A	7.06784	6.92418	7.09508	7.49052	6.67743	7.97243	7.66677	7.86921	7.56603
LOC100506274	4.21993	4.29648	4.2141	4.48516	5.21596	4.70688	4.38954	4.6253	4.65352
IAH1	7.43804	7.53698	7.64259	7.46716	6.94847	7.35325	7.80301	7.52887	7.39075
GRHL1	11.0402	10.6898	10.0267	10.6431	8.95425	11.2376	10.3863	11.1535	11.4804
KLF11	9.33824	9.29236	9.51158	9.36046	7.13014	10.1701	9.31775	7.99237	8.40972
RRM2	6.94041	6.31078	6.46475	7.83083	5.92475	7.40506	7.36724	7.08567	7.50929
HPCAL1	6.31105	6.16697	6.15183	7.0213	6.80597	7.02685	6.90304	7.19926	7.0585
NOL10	5.20448	5.09629	4.80133	6.49084	5.19599	6.55161	6.23586	5.18785	5.13359
c2orf50	5.77572	5.72462	5.69317	5.74775	6.31408	6.2782	5.87537	5.94704	5.85208
PQLC3	8.01486	8.22095	8.20632	7.97237	6.44292	7.09365	8.2764	6.58584	7.5871
LINC00570	5.08286	5.13412	4.80821	4.97008	5.76095	5.30768	5.57597	5.17729	5.60201
GREB1	5.49157	5.22845	5.51486	5.28657	5.64506	5.52727	5.52513	5.39915	5.46729
LPIN1	7.11835	7.11948	6.98848	6.94174	6.63967	7.89732	6.92071	7.77755	7.3533
MIR548S	2.40867	2.23599	2.52148	2.69576	2.07451	2.78323	2.44187	2.98895	2.82175
MIR3681	4.96981	4.59081	5.2491	5.7427	4.66222	4.76779	5.39677	5.15689	5.55053
TRIB2	7.92577	6.95554	7.68639	6.85834	6.50527	6.7873	7.02185	6.6686	6.33798
MIR3125	6.67707	6.92547	6.68979	6.70012	8.19613	6.80309	6.56932	6.97877	7.29766
DDX1	9.11714	9.14374	9.22077	9.34029	6.42063	8.85828	9.68077	8.65502	9.08205
VSNL1	6.36168	6.0572	6.12249	5.69711	4.94467	5.07153	6.13948	5.31316	6.32364
GEN1	8.06928	7.98046	7.9317	6.94107	4.96854	5.60399	6.95266	5.56576	6.6283
MSGN1	4.76797	5.35568	5.38132	5.61944	5.66713	5.4758	5.41006	5.41292	5.88814
MIR4757	5.49975	5.6228	5.58565	6.23992	5.90656	6.02144	5.64345	5.94096	5.73069

LINC00954	5.99969	5.96779	5.85333	6.00978	6.15725	6.60293	5.88366	6.15226	6.06863
RHOB	8.72367	8.1573	8.6798	8.81324	7.67392	9.05206	9.02838	9.55779	8.73148
GDF7	6.34363	6.34879	6.44962	7.03942	6.76892	7.26629	6.74076	6.85986	6.735
KLHL29	6.58642	5.9929	6.56485	6.33503	6.14452	6.25645	6.12677	7.46873	6.8876
UBXN2A	7.13917	7.34212	7.04645	7.32028	6.97098	7.58324	7.50003	7.52197	7.44667
MFSD2B	4.70533	5.23471	5.05543	6.10405	5.52022	5.8928	5.28454	5.44495	5.58883
NCOA1	9.87593	9.8989	9.93252	8.79834	6.87786	9.17905	9.00748	8.40947	9.18104
CENPO	7.29108	7.11522	7.22384	7.35097	6.74403	6.52485	7.39871	6.59413	6.85753
DNAJC27-AS1	4.89552	5.0055	4.73772	5.47261	5.4419	5.35487	4.59935	4.59941	4.93868
EFR3B	6.72216	6.26255	6.18773	7.40425	6.73819	8.42962	7.52979	8.36063	9.83236
SELENOI	9.35506	9.28078	9.13199	9.19752	6.96585	8.56896	9.0949	8.87448	9.28833
DRC1	4.74834	4.32145	4.49008	5.03206	5.61201	5.09582	4.86622	4.99986	5.02293
c2orf70	4.87014	5.11334	5.28244	5.30572	5.78665	5.69009	5.2968	5.94353	5.87672
SLC35F6	9.42024	8.94992	9.47663	9.54837	8.09768	8.97011	9.99365	9.23243	9.62921
CENPA	7.27759	6.74567	6.97402	7.96109	7.74175	7.36791	7.50333	7.37253	7.21939
DPYSL5	5.01704	4.99946	4.9582	5.74573	5.84004	6.06306	5.79496	5.72397	5.69461
TMEM214	8.42209	8.49072	8.54164	8.41074	7.66639	8.41441	8.47324	8.10104	8.79316
AGBL5	6.37179	6.8269	6.46563	6.41392	6.48395	6.47435	6.56247	6.12161	6.16094
EMILIN1	5.81133	5.71013	5.95715	6.09226	5.89228	6.16871	6.03479	6.03052	6.09821
KHK	5.68864	5.9239	5.82832	5.96953	6.18204	5.48162	5.83966	5.73314	6.02728
ABHD1	5.02084	4.85737	5.18173	5.33057	5.71492	5.35334	4.68143	5.34244	5.35615
tcf23	5.97512	5.78289	5.81576	6.43487	6.7663	6.19011	6.13323	6.41862	6.11393
ATRAID	8.5967	8.77622	8.86028	8.60358	7.45342	7.41901	8.51562	7.2825	7.56869
TRIM54	5.18315	5.19141	5.09101	5.85766	5.48234	5.44574	5.64443	5.60509	5.71127
SNX17	8.12326	8.07869	8.18608	7.98476	7.77516	7.66098	8.22872	7.29508	7.53391
NRBP1	7.62829	7.04991	7.61054	7.58107	6.87976	7.80906	7.58972	8.04795	8.11534

KRTCAP3	6.78106	6.79425	6.98305	6.98905	6.28006	6.20892	6.53838	6.12276	6.16945
GCKR	5.1473	5.13782	5.13557	5.64349	6.28836	5.74194	5.32154	5.78312	5.58103
C2orf16	4.18836	3.64211	3.91122	4.63955	4.74754	5.03783	4.58623	4.62887	4.34377
ZNF512	7.46465	7.61881	7.39403	6.66604	6.41009	6.17614	6.56513	6.97937	7.17562
GPN1	7.39761	7.38046	7.44772	7.74552	6.31135	7.63376	7.8331	7.48614	7.52659
MRPL33	7.20036	7.27911	7.34988	7.5528	6.7569	6.97998	7.74445	7.26379	7.19063
BRE	8.95448	8.77294	8.87315	8.38786	7.92818	7.93969	8.79278	7.80083	8.53027
MIR4263	4.99737	5.76117	4.47439	3.53295	4.608	3.4611	4.46231	3.04245	4.01088
FOSL2	9.39099	8.70841	9.26197	9.07741	7.90839	9.08476	9.05803	8.48298	8.68783
PLB1	7.97631	7.68445	6.93136	7.18129	6.5653	6.27613	6.51721	6.60477	6.56898
spdya	4.81956	4.88864	4.66516	5.48192	4.85557	5.26169	5.06353	5.55368	5.58379
WDR43	8.30751	8.42664	8.4971	8.18388	4.97084	7.18909	8.51564	7.26262	7.55613
YPEL5	7.92926	7.71146	7.28275	7.74987	6.5247	8.30076	8.09196	8.11641	7.82506
LBH	6.99501	6.93485	6.84637	6.73587	6.68316	7.58348	7.1012	7.37088	6.86346
LCLAT1	8.256	7.98961	8.33795	7.48569	6.02465	7.42812	7.95374	7.4223	7.57184
EHD3	7.06082	6.66621	6.35719	6.26235	5.32849	5.66028	6.66689	6.41613	6.10738
SPAST	7.85757	7.92623	7.95347	7.6397	4.81663	7.07137	8.06244	7.16699	7.06636
BIRC6	10.0277	10.1686	10.0907	9.02347	6.34427	8.57607	9.14337	9.18397	9.38446
MIR558	4.53639	4.2344	4.36909	4.12501	4.19465	3.37535	4.07908	4.0378	4.13548
TTC27	8.1442	8.13957	8.17662	8.04055	6.67778	6.95987	7.94556	6.27582	7.54883
MIR4765	5.35199	5.46165	5.43285	4.36206	4.92104	4.77004	5.07021	6.53562	6.13509
LINC00486	5.05001	4.78289	5.1352	5.08824	6.17538	5.15017	4.81362	5.28274	4.92709
LTBP1	8.28326	7.40682	7.8359	9.43993	6.44551	8.18086	9.52252	9.10971	9.26114
RASGRP3	6.77694	5.86725	6.42801	5.75149	6.41685	5.21506	5.7211	6.34448	6.59307
MIR548AD	3.14381	3.28507	2.59535	2.59029	2.46719	4.39931	2.71898	3.43405	3.10045
CRIM1	9.49845	9.36546	9.67135	8.8628	6.43757	8.18901	8.57668	9.58364	9.58229

VIT	6.4377	6.49389	7.15719	5.1011	6.38157	5.12976	5.16526	5.54782	5.47161
GPATCH11	6.95421	6.91196	7.01175	5.7844	5.83019	5.64103	6.38945	6.48066	5.52395
NDUFAF7	7.15455	7.06874	7.17774	6.22205	5.62273	5.95678	6.82059	6.21016	6.37254
QPCT	7.51373	7.22179	7.29949	6.09048	5.7564	4.97428	6.33691	5.72309	5.45917
GALM	6.38762	6.31441	6.2393	5.42059	5.07878	5.51117	5.84073	5.52431	5.6157
gemin6	4.7424	4.89108	4.73628	5.078	5.25538	5.25829	5.33738	5.06195	5.01163
MORN2	7.3275	7.53678	8.0105	7.80147	5.87675	7.48781	8.80638	7.57589	7.82967
ARHGEF33	5.64688	5.81546	5.56849	5.47423	6.71954	5.56898	5.95028	5.60375	5.67909
LOC728730	6.37306	6.52082	6.55078	6.49797	7.27547	6.42444	6.31667	6.22521	6.11986
TMEM178A	6.75566	7.43487	6.91586	6.58992	6.89992	6.32843	6.08573	6.27603	6.49825
SLC8A1-AS1	3.5992	3.33804	3.65793	4.02358	4.7772	4.12009	4.33867	3.93906	4.25926
LOC388942	4.98941	5.16381	5.4183	5.54061	6.22648	5.73549	5.58334	5.67273	5.48975
EML4	10.2599	10.3808	10.2793	9.07996	6.56904	8.12366	9.01777	8.11803	8.82691
LINC01126	5.96616	5.7223	5.72975	5.67268	5.60659	5.45607	5.53958	5.55306	5.29507
CAMKMT	8.16385	7.91968	7.85921	6.78791	6.84918	6.42732	7.06505	7.09497	7.00123
SIX3	5.34581	5.49444	5.62906	6.57506	6.5357	6.21193	6.62327	5.93901	6.06056
EPAS1	9.61101	9.7256	9.70751	9.52559	6.57526	9.39163	9.9258	9.71122	9.99728
TMEM247	3.9449	4.36244	3.86909	4.47442	4.76918	4.8934	4.2779	4.94687	4.52423
RHOQ	7.15068	7.42179	7.40419	6.99786	5.78136	6.61867	7.13225	7.45528	7.2119
CRIP1	8.24221	7.82647	7.91775	7.12636	6.17384	6.75369	7.23327	7.31406	6.81836
SOCS5	7.8834	7.76794	7.88492	7.7851	7.24764	7.92547	7.83753	7.88841	7.94854
LINC01119	5.34627	5.36201	5.59036	5.66457	5.27892	5.71897	5.423	5.53769	5.42304
LINC01118	5.78061	5.87445	5.85521	6.08109	6.41428	6.27413	5.57306	6.08191	6.12518
TTC7A	7.45798	7.03477	7.36511	7.00737	7.39995	7.52106	7.89878	8.4831	8.09295
EPCAM	6.69384	6.65436	6.94328	7.05881	6.05861	7.49095	7.55232	7.01159	7.4726
MIR559	2.34925	2.44779	2.14595	2.31269	2.07003	3.06438	2.25112	2.14052	2.06799

MSH6	7.41033	7.06826	7.35449	7.19891	5.99854	6.59778	7.23517	7.35223	6.84383
FOXN2	8.0459	7.96087	8.12919	8.68182	6.37506	8.10155	8.12712	8.4548	8.75229
ERLEC1	8.85183	8.83479	9.00178	8.90947	6.48874	8.36004	9.1455	8.38758	8.61654
c2orf73	4.06332	4.53671	4.26935	4.44585	4.85164	4.59535	3.90278	4.7703	4.47329
RPL23AP32	7.91728	7.79825	8.70027	5.21546	6.08775	4.0041	4.79853	7.14379	6.94919
eml6	7.47955	6.34251	6.46459	6.81344	6.04203	6.27488	6.70692	7.18938	7.14602
RPS27A	6.16578	5.42442	5.63635	5.78048	5.79271	5.57631	5.72679	5.54499	5.66559
CFAP36	6.66837	7.02641	6.98327	6.49837	5.53807	6.3308	6.60294	6.41686	6.21141
CCDC85A	6.1198	6.21457	6.01353	5.87959	5.76265	6.50182	6.12514	5.95056	5.83841
LINC01122	4.55639	4.34064	4.75546	4.65095	5.96436	5.38783	4.7893	4.99065	4.96793
PAPOLG	8.40336	8.91057	8.33796	7.54334	5.55376	6.72255	7.81497	7.15212	7.47528
REL	10.1076	10.0906	10.0218	9.27896	7.91793	8.79368	8.99136	9.81201	8.52202
PEX13	7.385	6.76544	6.79873	7.1035	6.97147	6.75539	7.28596	6.87368	6.89293
KIAA1841	7.28035	6.96983	6.82684	6.45304	5.80271	6.31353	6.84332	6.36521	6.53629
C2orf74	5.86628	6.79944	5.41415	5.44526	4.85582	5.04395	5.3343	4.89338	5.06334
COMMD1	7.61875	7.63963	7.40847	7.18228	6.34192	7.44215	7.59569	6.83941	7.3724
EHBP1	8.55113	8.24878	8.54813	8.07573	5.28732	7.29454	8.12533	7.95432	8.20673
OTX1	6.98939	6.98529	7.0266	6.70993	6.12329	6.5435	6.88981	6.77769	6.39793
UGP2	6.07397	6.412	6.25052	6.58056	6.01096	6.72346	6.80486	6.10562	6.51973
MIR4433A	3.46276	3.35387	3.07374	3.28112	3.29337	4.97605	4.40121	3.45415	3.45934
AFTPH	9.21146	9.24931	8.99221	8.77652	7.62583	8.95652	9.18176	8.96683	8.92163
LOC339807	6.27167	5.32228	5.18927	6.03695	6.65688	5.78249	5.86247	5.52576	5.7816
CEP68	8.01013	7.59241	8.19794	6.72099	6.78279	6.61332	7.0482	6.9537	6.77196
ACTR2	10.4544	10.5307	10.3648	10.7316	9.12112	10.8075	10.5681	10.8095	11.0176
MEIS1	7.64997	8.40055	7.363	6.46287	6.37446	6.03854	6.15362	7.17954	6.45405
ETAA1	7.08876	6.74471	7.29671	6.13116	5.0271	5.49109	6.54732	6.19781	5.87378

PNO1	7.31052	7.30874	7.461	7.47874	6.27334	6.35876	8.35778	6.62408	7.07129
PLEK	5.83983	5.98998	6.26196	6.02808	5.9788	8.02466	5.65502	7.38181	7.19616
APLF	6.72299	7.40419	6.62698	6.09333	6.1743	6.06953	6.67281	6.23402	6.10157
PROKR1	5.69632	6.06381	5.79591	6.06608	6.18601	6.06868	6.05808	5.89818	5.7213
ARHGAP25	6.19836	6.72452	6.45511	6.17141	6.3248	5.4488	6.85499	6.29843	6.31148
GKN1	3.21471	3.09154	3.21892	3.40946	3.73586	3.28119	3.11048	3.02021	3.32347
ANTXR1	10.388	9.83185	10.1673	8.23378	6.06685	6.95274	9.01966	8.54651	8.31377
MIR3126	4.44302	4.75054	4.10375	3.79928	3.88836	4.11532	3.7537	3.77248	3.92381
ANXA4	9.83523	9.79283	9.90314	8.8942	7.80156	8.16238	9.4074	7.7643	8.81406
GMCL1	6.06172	5.83991	6.0011	5.05595	5.10355	4.39581	5.40011	6.20187	5.08101
SNRNP27	8.53831	8.37475	8.95956	7.70195	7.09788	7.40412	8.11224	7.92902	8.27462
MXD1	9.88726	9.18526	9.00067	10.2538	10.4445	11.8261	10.6651	12.2425	11.736
PCBP1	10.4645	9.76416	10.1232	11.0812	8.79644	11.8213	11.1596	10.3151	11.1382
PCYOX1	10.0219	9.6867	9.73113	9.29757	7.65466	8.97238	9.41432	9.08361	9.30656
VAX2	6.61773	6.73995	6.97978	7.35179	7.60102	7.39226	7.37374	7.54583	7.34183
ANKRD53	5.47322	5.377	5.57535	6.17171	6.46195	6.24692	5.8915	6.02498	6.00968
NAGK	8.9115	8.64173	8.3771	8.69855	6.75818	7.97073	8.81101	8.11705	8.60386
MPHOSPH10	7.5215	7.5456	7.54856	7.17058	6.79193	7.33082	7.79656	6.68441	6.99957
ZNF638	8.83372	9.01242	8.87509	7.76244	6.4681	6.78358	7.58762	7.90488	7.89151
emx1	6.26041	6.09438	6.1894	6.91831	6.90909	7.1414	6.79611	6.87252	6.78278
NOTO	5.38907	5.63322	5.40116	5.75371	5.84962	6.37417	5.71475	5.53525	5.62203
SMYD5	6.6359	6.55938	6.93303	6.31884	5.50406	5.86873	6.5645	5.74423	5.92947
ALMS1	7.63862	7.78529	7.82936	6.3436	5.57349	6.52333	6.57719	5.96563	6.4247
ALMS1P1	6.20779	6.01299	5.9426	6.25021	6.23518	6.07852	6.30836	6.43604	6.80875
C2orf78	4.80582	5.27351	5.07925	5.34826	6.43197	5.45997	5.18569	5.75103	5.60706
STAMPB	7.9313	8.08718	7.81638	7.28544	6.38145	7.54349	7.70426	7.11927	7.47119

dguok	8.18132	8.28955	8.45622	8.01508	6.08813	7.88364	8.35514	7.35597	8.09918
BOLA3-AS1	6.32055	5.79816	6.09088	6.82389	6.16211	6.73452	6.23419	6.05794	6.31948
DCTN1-AS1	5.02518	5.30344	4.90303	5.5804	5.55478	5.67635	5.29483	5.3206	5.3914
WDR54	6.15587	6.02343	6.05171	6.53278	6.41551	6.12914	6.08734	6.36764	6.15829
INO80B	7.53943	7.5808	7.37226	7.21776	6.75056	7.05626	7.41218	7.51915	6.95418
TTC31	6.78655	6.6107	6.74467	6.44043	6.1018	6.39694	6.4379	6.33065	6.73991
LBX2-AS1	4.98462	5.26476	5.31558	5.88329	5.61314	6.06892	5.61481	5.6955	5.50134
TLX2	6.42448	6.57596	6.67563	7.44871	7.49029	7.4591	7.04805	7.03371	7.22986
HTRA2	7.76727	7.1436	7.36149	7.3371	6.37692	6.90497	7.6979	7.19033	7.41777
HK2	8.93542	8.76067	8.5206	10.5175	11.2202	12.5951	10.9952	12.3301	11.4177
MRPL19	7.76356	7.63164	7.68647	7.24441	7.01392	7.44719	8.23837	6.80035	7.22121
REG3G	5.69443	5.1917	5.79009	6.17959	7.49485	6.28344	6.27789	5.98191	5.9526
REG1A	3.07147	3.12486	3.39655	3.66625	4.86334	3.85672	3.40908	3.21439	3.27016
DHFRP3	4.74876	4.61008	4.62148	5.21243	5.80076	4.60917	4.36385	4.5312	4.49966
FUNDC2P2	3.29337	2.98875	3.35141	2.91338	3.75885	3.41307	3.33754	3.1587	3.51567
TMSB10	11.3484	11.3988	11.5886	13.2689	12.6177	13.3576	13.2571	12.9964	13.0149
KCMF1	10.189	10.0666	10.3783	10.184	10.2396	11.0772	10.68	10.9615	10.6911
ELMOD3	6.66303	6.64579	6.62317	6.25496	6.21352	6.04506	6.17921	6.00573	6.10108
SH2D6	6.01349	5.89317	5.97701	6.08041	6.48951	6.16435	5.82326	6.15668	6.05123
VAMP8	10.8213	11.0182	10.6212	11.5871	10.5886	11.3321	11.8007	11.0325	11.6186
VAMP5	7.94477	7.60901	7.46101	8.13419	7.05424	8.03354	8.1087	7.37193	7.51372
RNF181	7.70822	7.39672	7.58951	8.06557	7.27591	8.4475	8.36273	8.56384	7.99501
USP39	7.5007	7.83135	7.62615	7.52775	6.17398	7.05746	7.77364	7.30221	7.02128
GNLY	5.38171	5.68255	5.44744	5.8197	6.19634	5.9032	5.65095	5.69518	5.85031
ATOH8	5.21794	5.63668	5.58104	5.34193	5.83377	5.88345	5.65834	5.58312	5.61932
LOC284950	5.59094	5.92934	5.81093	6.07412	7.00183	6.41752	5.80291	6.29975	5.7776

PTCD3	8.68049	8.65727	8.53691	7.88139	5.70403	6.63848	7.77478	7.10418	7.58363
MRPL35	8.16891	8.42737	8.33041	8.06644	6.41012	7.41612	8.81035	7.41887	7.57223
KDM3A	9.32058	9.37795	9.18324	8.45564	8.37812	9.56168	8.54069	9.09751	8.24988
RMND5A	9.91182	10.2023	9.45839	9.35257	7.42665	9.04017	9.1681	9.2061	8.6054
ANAPC1P1	5.13953	5.24977	5.54238	4.70343	5.91638	5.00015	5.23092	4.89756	5.24273
RGPD2	9.47401	9.51717	9.4945	8.45511	8.38545	8.37764	8.49469	9.1924	8.68829
MIR4771-1	5.21069	5.67978	5.35622	4.8801	6.51935	4.8279	4.88387	4.29831	5.08284
MIR4435-1	4.61895	4.60089	4.48339	4.77605	4.61023	4.25727	4.64658	4.65922	4.68826
SMYD1	4.37709	4.67374	4.69562	5.36329	6.04397	5.53058	5.10875	4.79434	5.08897
THNSL2	7.29143	7.91812	6.26257	6.43975	7.12192	7.60032	7.54723	6.76577	6.28889
TEX37	5.03034	5.39104	4.80453	5.76157	5.83095	5.09927	4.86808	5.32692	4.93054
RPIA	7.25681	7.53509	6.97213	6.58924	6.44226	5.79046	6.49933	5.75181	5.57797
MIR4436A	4.60998	4.68153	4.42913	5.02277	5.00017	5.20808	5.17894	4.81535	4.72154
GGT8P	5.50771	5.66175	5.39226	6.08807	6.92286	5.87554	5.96738	7.37903	7.08197
ACTR3BP2	3.92522	3.92022	3.68246	4.11707	5.05688	3.98643	3.68905	4.08611	3.58237
TEKT4	6.85386	7.31625	7.0185	7.07425	8.12929	7.47636	6.91649	7.28967	7.20046
ZNF2	6.43116	6.62725	6.39001	6.84977	7.04114	6.56717	6.77215	6.88386	6.70115
PROM2	9.0409	8.99542	8.63723	9.23496	7.49972	9.49021	9.23843	9.1183	9.60675
FAHD2A	6.35155	6.55152	6.37119	6.66558	5.80116	6.56797	6.40618	5.93493	5.89656
TRIM43	4.60782	4.66165	4.15403	4.37105	5.99071	4.97093	4.13487	4.21405	4.26681
STARD7-AS1	7.21883	7.05958	7.27149	6.92738	6.86602	6.93034	7.07835	6.56685	6.7923
CIAO1	8.65002	8.42956	8.52619	7.77237	6.46075	7.25681	8.14254	7.64941	7.8811
ARID5A	7.10925	6.68529	7.08341	7.4983	6.96614	7.64183	7.17227	7.35434	7.23944
FER1L5	5.4711	5.52872	5.61026	5.84564	6.19769	6.09103	5.83021	6.03954	5.82812
CNNM4	8.01225	8.12495	7.32769	8.16497	6.05756	6.49448	6.87455	6.70177	6.39103
CNNM3	6.89161	7.17435	6.80965	6.7107	6.27525	7.09493	7.00959	6.18436	6.28233

ANKRD36	7.37087	7.99163	8.1706	5.29308	6.44402	4.59366	5.2725	5.56943	5.38046
Cox5b	7.44889	7.51837	7.67293	7.44478	6.75746	6.82616	7.70237	6.45677	6.80958
LINC01125	5.66841	5.75274	4.92163	4.68349	4.58635	4.63694	4.34935	4.8167	4.74957
ZAP70	6.12965	6.25709	6.47333	6.47091	6.45339	6.67077	6.44872	6.6233	6.39211
VWA3B	4.94166	4.92392	5.02744	5.18136	6.05249	5.59533	5.20912	5.4302	5.35865
CNGA3	5.38038	5.09655	4.89916	4.88722	5.46927	5.11613	5.11734	5.44393	5.0982
UNC50	7.37668	7.70055	7.54912	7.11481	6.06989	6.17389	7.05586	6.65056	6.81716
LIPT1	5.68413	5.51341	6.05016	5.28452	5.72352	4.85502	5.42687	4.33595	4.93558
MRPL30	9.14757	8.92801	9.04661	8.47314	7.42407	8.11935	8.90066	8.63659	8.25618
EIF5B	9.2099	9.48425	9.36685	8.7262	6.05518	8.0642	9.44584	8.93021	9.13552
nms	5.75422	5.88052	5.64818	6.22489	7.3939	6.52207	6.36401	6.65342	6.33662
NPAS2	8.70749	9.25769	9.65508	8.12616	7.78959	9.14122	8.54556	9.11594	8.46588
CNOT11	8.69522	8.36443	8.34276	8.50455	7.42136	8.08982	8.97645	8.8613	8.56584
map4k4	8.22709	8.41506	8.05268	8.18497	6.40438	9.47733	8.92653	9.11089	9.20338
IL1RL2	6.56314	7.00686	6.21899	6.24469	6.31811	8.01627	7.02319	7.37628	7.49879
IL1RL1	6.40423	6.38806	6.61591	7.37528	6.774	10.6721	6.92636	10.4017	9.64825
IL18R1	7.48959	8.06729	6.98759	6.32145	6.14419	6.27048	6.94456	6.71907	7.19219
IL18RAP	5.04002	4.93895	5.13428	4.80785	5.46063	5.09167	4.1442	5.14739	4.62695
MIR4772	4.92257	5.07932	4.84499	5.6163	6.12688	5.37897	5.29384	5.0659	5.34705
TMEM182	5.48447	5.17854	5.36741	5.32607	5.94207	5.73386	5.52123	5.37862	5.56146
LINC01102	4.77347	4.87167	4.84037	4.65149	5.97569	5.09563	4.64753	4.94572	4.94558
POU3F3	5.75715	5.47056	5.4892	5.96962	6.39802	6.07538	5.73255	6.05386	5.80805
MRPS9	6.88626	7.02036	6.93214	6.90894	6.11577	6.3264	7.18733	6.60193	6.35276
GPR45	6.04899	5.96137	5.8782	6.19165	7.19964	6.42827	6.38577	5.80627	5.92455
c2orf49	7.55331	7.8028	7.68698	7.13935	5.21325	7.20853	7.38041	6.79263	6.78551
NCK2	8.575	7.88218	8.43256	8.59507	7.51924	9.02002	8.53526	9.0551	8.6396

c2orf40	5.58465	6.2578	5.89998	5.67741	5.45944	5.31861	4.87917	5.2975	4.72758
PLGLA	5.37302	5.39653	5.83988	4.55077	5.70252	4.44216	4.38244	4.45603	4.86108
RGPD4	7.42695	7.97523	7.69732	6.61399	6.94273	6.45158	6.85041	7.86607	6.84273
GCC2	7.87754	8.0231	7.79256	6.58006	5.3893	6.46002	6.81882	7.36859	7.01555
LIMS1	7.43807	7.73968	7.21445	7.58163	6.69104	7.41352	7.1852	6.80871	7.81407
RANBP2	9.05057	9.36031	9.1876	8.54812	6.97906	8.55887	8.90321	8.69051	8.47285
CCDC138	6.09799	6.14437	5.91897	5.39728	4.19732	5.02451	5.81375	4.69201	4.68335
SH3RF3	7.25842	7.17586	7.56034	6.87431	6.76441	7.36016	7.20197	7.08828	7.40961
SOWAHC	8.13462	8.02233	8.04276	9.24684	7.36176	9.60667	8.90159	9.26608	9.50471
RGPD6	10.1365	10.3805	10.3032	8.94588	9.32232	8.48684	9.02652	9.91891	9.26743
LIMS3	7.41027	7.11605	7.21019	7.12867	7.78434	7.10396	7.03954	7.15001	7.237
LINC01123	7.63236	7.16324	7.99029	7.57147	6.88538	7.22401	7.8204	7.4448	7.45645
LOC440895	5.73207	5.30896	5.61127	5.33471	5.86874	4.93296	5.38054	5.24537	5.47721
ACOXL	4.43321	4.22426	4.07994	4.92228	5.3157	4.79134	4.93984	4.94177	4.73581
BCL2L11	7.36722	6.35763	6.94814	6.43519	6.07238	5.89521	6.3463	6.52677	6.02298
MERTK	6.66216	7.24417	7.55913	6.48533	6.70844	5.34416	6.4113	6.17808	6.02714
TMEM87B	8.45275	8.52619	8.32957	8.15831	4.96179	7.46098	8.51976	7.76667	8.08022
fbIn7	6.74935	6.45447	6.97515	6.88134	7.45143	7.19323	6.77927	7.1771	6.83402
ZC3H6	8.89709	9.27587	9.06022	6.24691	6.33633	6.6	7.09449	6.94321	6.6868
TTL	8.33303	7.35642	7.8867	8.07477	6.32539	7.38638	8.10453	7.41638	7.80581
chchd5	6.89701	6.97497	7.09877	7.6123	7.47013	7.16003	7.12966	7.27045	7.34039
IL37	9.5193	11.2275	10.5047	9.91873	6.354	5.46615	6.92421	5.30157	5.71555
IL36RN	8.86302	8.86351	8.11849	9.06086	9.96901	9.90832	9.5968	10.5738	10.2147
IL1RN	8.62409	8.23052	8.3498	9.64173	10.0834	10.9364	10.1384	11.0484	11.0927
PSD4	7.45265	7.8644	7.26942	7.79294	6.76637	8.07979	8.08073	7.13434	7.71041
PAX8-AS1	7.76699	6.8727	7.02141	7.55556	7.32131	7.63753	6.95132	8.39449	9.0059

CBWD1	9.49632	9.52416	9.84996	8.67429	8.03976	6.98313	8.94795	8.28448	8.48917
FOXD4L1	5.53693	5.83612	5.85623	5.86886	7.34594	6.19592	6.24896	5.8143	5.8773
WASH2P	8.20597	8.95664	8.90201	8.41438	8.01859	8.32224	8.79505	8.81955	8.54717
ACTR3	10.9077	10.3351	10.5291	11.0607	9.27947	11.2553	11.1223	11.2008	11.509
LINC01191	4.72176	4.98126	5.33146	5.42059	5.49678	5.71828	5.59399	5.66107	6.49973
DPP10	4.74744	5.04638	4.549	4.74699	5.63864	5.25826	4.83022	4.86043	4.79912
DDX18	8.67993	8.67514	9.03803	8.00286	6.6453	7.4244	8.18608	7.07959	7.61199
INSIG2	6.83933	7.33782	7.06613	6.80795	5.63563	7.99245	6.55597	8.15898	7.02765
MARCO	5.21787	5.61947	5.68285	5.84368	6.91453	5.93153	5.65199	5.94205	5.62492
TMEM37	5.91695	6.38667	6.80283	5.65367	6.94799	6.50432	6.44511	6.2835	5.91389
CFAP221	4.47876	4.83592	5.03328	5.03061	6.13839	5.07681	4.28028	4.82107	4.57467
TMEM177	7.59958	7.38535	7.67704	7.39554	6.83678	6.65125	7.82403	6.53244	6.61908
EPB41L5	8.4552	8.65573	8.60827	8.57836	7.16469	9.21694	8.45266	9.16379	8.959
RALB	8.99802	8.26921	8.70508	8.68757	7.60342	10.1443	9.35328	8.93056	9.43283
GLI2	6.57567	7.15552	6.63142	6.94895	7.09303	6.86757	6.78399	6.68367	6.63391
NIFK-AS1	6.77057	6.77938	6.71794	6.32209	7.12056	7.03013	6.71167	6.59085	7.03845
TSN	7.5512	7.30932	7.57732	7.33889	6.63629	7.12054	7.82079	6.76795	7.0008
CNTNAP5	4.04231	4.72734	4.70057	5.33773	5.61856	4.84231	4.54659	4.8141	4.62578
GYPC	6.32951	6.13823	7.08749	5.69872	5.92246	6.04732	6.19288	6.18286	6.25214
PROC	5.94423	5.73005	5.97649	7.0271	6.54518	6.43994	6.34797	6.30761	6.30873
MYO7B	5.14089	5.17735	5.31746	5.96028	5.90742	5.8095	5.70018	5.68775	5.49321
gpr17	5.23244	5.11291	5.22907	5.92497	5.78597	5.67506	5.51701	5.62305	5.41594
SFT2D3	6.57312	6.7986	6.79821	6.67429	6.58042	6.95961	7.32525	6.76891	6.62229
UGGT1	9.07076	9.13352	9.24004	8.75757	6.8783	8.36478	8.79438	8.51581	8.86833
MED15P9	6.40464	6.56455	6.48429	7.09189	7.57372	7.10109	6.3534	7.00596	6.75138
FAR2P2	2.60942	2.73538	2.35885	2.69878	8.10754	2.67176	3.06062	2.2339	2.2026

GPR148	5.0303	5.10037	4.91116	5.3189	5.638	5.55928	5.09435	5.64672	5.45752
AMER3	5.05998	5.28062	5.03522	5.6801	5.81731	6.26536	5.71414	5.81217	5.53899
ARHGEF4	8.4286	8.27448	8.07218	7.99493	6.96403	8.59344	8.74012	9.17098	8.86397
LOC440910	5.86427	5.73879	5.57791	5.86388	7.15344	6.93482	6.03658	5.97635	6.16903
LINC01120	5.31675	5.34506	5.36861	5.5746	6.23881	5.52042	5.89223	5.57833	5.62033
GPR39	4.66958	4.77639	4.76667	4.9957	5.29061	4.56154	4.63551	4.85942	4.98702
ACMSD	4.65821	4.57025	4.60995	4.55023	6.0366	4.66027	4.77288	4.78879	4.94045
CCNT2	8.11941	8.29407	8.17914	7.2287	5.30409	6.8919	7.271	7.12404	7.77618
RAB3GAP1	8.47506	8.6727	8.4404	8.15019	5.9769	8.39132	8.68129	8.61628	8.68963
R3HDM1	7.86706	7.88752	8.0466	7.68517	6.12852	6.60572	7.66582	6.93595	7.16776
mir128-1	3.05909	2.68064	2.97208	3.12143	3.22209	2.78179	3.33661	2.76508	2.9455
UBXN4	9.9956	9.7277	10.0839	9.07126	7.14447	9.00172	9.30899	8.99481	9.33867
LOC100507600	4.75698	4.49142	4.44977	4.95319	5.33116	4.80349	4.32381	5.0629	4.78891
HNMT	7.72703	7.13573	7.47123	6.53516	7.37522	6.40716	6.93764	5.89426	6.36434
SPOPL	8.32353	8.27526	8.19457	8.46102	6.8032	8.96226	8.87144	8.80194	9.03663
YY1P2	2.58967	2.34382	2.6779	2.68837	3.18655	4.08371	3.24955	2.83584	2.8639
KYNU	6.25694	5.94206	6.41336	7.92535	6.31448	7.73354	8.94331	6.86321	7.6445
arhgap15	5.35867	4.94708	5.86829	4.98364	5.31987	5.18411	4.84724	4.85942	5.1411
ZEB2-AS1	4.04276	4.19022	3.97665	4.38008	4.65622	4.83359	4.11721	4.16637	4.25434
TEX41	5.38708	5.22771	4.98901	4.58518	5.54736	4.8215	4.52585	4.52138	4.83185
mbd5	7.9971	8.02215	7.91076	6.62935	6.22719	6.30003	6.89445	6.65133	6.69495
EPC2	9.06344	9.18656	9.15281	8.06862	5.49556	7.47736	8.24338	6.97673	8.15674
KIF5C	4.62869	4.75756	4.99741	4.98612	4.91628	5.00833	4.85747	5.04793	5.09864
LYPD6B	7.95023	8.28714	8.01496	6.14454	6.3557	5.76561	6.66371	6.64681	6.56651
LYPD6	5.0465	5.32429	5.25432	5.63149	5.52427	5.93424	5.34856	5.52001	5.30509
MIR4773-1	4.5869	4.28161	4.46368	4.07573	4.5216	4.24464	4.0235	4.25874	4.21821

RIF1	9.0244	9.19826	9.02751	8.27929	6.21371	7.19171	8.00374	7.68524	7.66626
FMNL2	9.12455	8.7739	9.02029	8.8008	6.00425	8.44556	9.00454	9.27874	9.19848
ARL6IP6	7.37151	7.77115	7.41149	7.32502	6.698	6.61756	7.18886	6.61511	6.78447
GALNT13	4.99508	6.51794	5.23625	5.22736	5.6833	5.81617	5.17215	5.47018	5.6115
GPD2	7.66444	8.28005	8.19167	7.45376	5.4623	7.28539	7.53032	7.23157	7.16394
GALNT5	5.63397	4.99015	5.44931	5.76292	6.01733	5.14929	5.47961	4.95645	4.97516
UPP2	4.2357	4.27016	4.37145	4.8263	5.62739	4.8431	4.5846	4.77273	4.5822
CCDC148-AS1	3.15279	3.69863	3.35256	3.79907	3.61385	4.37656	4.47959	3.69126	3.60428
PKP4	8.72458	8.48115	8.53167	7.87917	6.12557	7.3723	7.84548	7.49512	7.82234
DAPL1	10.5174	10.5042	10.6989	9.91088	6.8726	8.32742	9.98573	5.61059	6.8767
TANK	8.026	7.83144	7.85206	7.15759	5.9581	7.21988	7.13784	7.5288	7.63349
CSRNP3	6.77387	6.70645	6.58613	5.37747	6.04023	5.40534	5.25604	5.8826	5.49375
TTC21B-AS1	4.2701	4.13886	4.32485	4.38667	4.92466	4.36678	4.36784	4.43556	4.25645
XIRP2	3.89752	4.06375	3.95165	4.72694	5.42883	4.35106	3.94661	4.43232	4.5753
CERS6	9.61382	9.09666	9.49827	8.99384	6.52779	7.85388	8.78594	8.61154	8.40934
MIR4774	3.63313	3.01499	3.81304	2.95255	2.29554	2.31126	2.78716	2.56641	2.7744
NOSTRIN	7.12666	6.9849	7.74766	5.78195	6.06824	4.68414	5.43628	5.80265	5.47387
DHRS9	5.49785	5.33801	5.42962	5.78108	6.79442	8.61905	7.34682	9.31138	8.49658
BBS5	7.93737	7.26893	7.54672	6.16421	5.88993	5.45579	6.57027	5.69738	5.2745
KLHL41	4.63019	4.45547	4.82374	4.16742	4.54169	4.19313	4.2522	4.13498	3.95376
PPIG	8.0607	8.28965	8.23142	6.67462	4.81831	6.16472	7.60484	6.47152	7.03503
SSB	7.367	7.69514	7.53182	7.34567	5.7448	6.62288	7.40601	7.03641	7.18558
UBR3	9.11524	9.21983	9.39239	8.08182	5.62251	7.7011	8.4663	8.40833	8.13454
MYO3B	4.67577	4.55759	4.66386	5.22981	5.6938	4.63319	5.7132	6.20737	5.38242
SP5	5.40129	5.22307	5.30129	5.97862	6.20829	6.39585	5.85781	6.00291	6.04893
DCAF17	8.06651	7.8811	8.05166	6.94064	5.75571	6.22611	7.67395	6.37842	7.00344

CYBRD1	9.57428	9.53928	10.6109	7.88348	7.53621	6.85388	8.73575	7.38548	7.30698
HAT1	8.34035	8.20439	8.3839	7.8338	5.15954	7.37801	8.1732	7.547	7.54211
METAP1D	6.3693	6.4121	6.50675	5.90296	5.6826	5.68836	5.6479	5.71457	5.40542
DLX1	5.7231	6.22702	5.86107	6.60289	6.74691	6.41188	6.64129	6.12532	6.00229
RAPGEF4	8.73761	9.02029	8.43836	7.9892	7.32605	7.08704	7.96376	7.10761	8.17129
ZAK	8.5941	8.09721	8.59559	9.09272	7.65016	9.99057	9.45264	9.552	10.2704
CDCA7	7.07103	6.65989	7.13224	6.11961	5.60017	5.32588	6.15366	5.45623	4.80657
LINC01305	4.83916	5.55682	4.95611	5.20933	5.67425	4.91434	4.83931	4.79227	4.97091
SP9	5.43445	5.98153	5.34801	5.96773	5.6942	5.93399	6.04326	5.46601	6.00777
SCRN3	7.74604	8.15287	7.50011	6.85867	5.53142	6.15576	7.22344	6.67127	7.11733
HOXD13	4.64321	4.96793	4.75867	5.25308	5.80275	5.64872	4.82985	5.22082	5.40195
HOXD12	5.71643	6.07313	5.42969	5.93535	6.04777	6.43051	6.30858	5.97847	6.34737
HOXD11	6.63261	6.73828	6.53275	6.7455	7.31146	6.95366	6.73104	6.67125	6.87876
HOXD10	7.39393	7.36853	7.07489	6.6916	7.13564	6.86156	6.83605	7.1838	7.23596
HOXD9	6.03855	5.6766	6.07987	5.48776	5.44817	6.26998	6.12814	6.044	5.63791
HOXD8	6.03787	5.83352	6.54899	6.57087	6.30453	6.73068	6.2593	6.80552	6.63608
HOXD3	6.31518	5.71267	6.18992	6.32163	6.24192	6.51125	6.09311	6.1548	6.10122
HOXD4	7.05568	6.89001	7.06326	7.4504	6.75841	7.94283	7.41049	7.77626	7.63647
HOXD1	5.8413	5.45775	5.99994	6.2946	5.99071	6.39924	6.18193	6.30109	6.12577
HNRNPA3	6.268	6.73765	6.24121	6.04574	2.56651	5.983	6.80663	6.45283	5.64647
AGPS	7.75144	7.75274	7.65172	7.76583	4.54755	7.09556	8.41296	7.31128	7.47039
ttc30a	5.59728	5.45238	5.53993	6.18501	6.26345	6.66624	6.11893	6.16448	5.84217
RBM45	7.40842	7.52091	7.81421	6.4984	4.80031	6.16057	7.02699	6.12897	6.17945
osbp16	8.38505	8.06196	8.1509	7.49229	6.59906	7.04534	7.76758	8.44747	7.04972
TTN	7.45788	7.40091	6.9109	6.5055	5.93007	5.15498	6.39745	6.44843	6.5038
UBE2E3	7.66021	7.52178	7.59014	7.51513	5.82145	7.15982	7.71155	7.12194	7.49528

SSFA2	10.4377	10.5698	10.463	9.97038	8.04239	10.3285	9.86896	10.3877	10.535
DUSP19	6.39575	6.02981	5.72111	4.77286	5.90963	4.212	5.50637	5.02586	4.22743
NUP35	6.8504	6.99829	7.34114	6.57735	5.14999	6.18406	6.83553	5.98183	6.18274
ZNF804A	4.3832	4.32791	4.62445	4.98967	4.75774	4.71733	4.56274	4.58847	4.75019
FSIP2	4.87001	5.96042	4.83023	4.70594	4.72164	5.25893	4.63558	4.71576	4.4018
ZC3H15	9.20597	8.90493	8.65894	8.31644	6.5722	7.84327	8.37318	8.68707	8.09518
MIR561	2.39636	1.97141	2.14958	3.14738	1.85698	2.40127	2.83159	2.53694	2.36917
MIR1245A	2.52326	2.0764	2.36764	2.43801	1.91882	2.26178	2.24052	1.98566	1.9024
WDR75	9.20769	9.44559	9.70059	8.1506	5.35621	7.20026	8.58432	7.47497	7.852
ASNSD1	6.94446	7.10967	6.91072	7.15335	4.51253	6.60359	7.25434	6.23708	6.75058
ANKAR	6.17894	6.29031	6.65945	5.2451	5.03824	5.07803	5.58374	5.14511	4.80984
OSGEPL1	6.12231	5.97938	6.29444	6.21243	6.67661	6.6244	6.17563	5.82024	6.19406
PMS1	6.42569	6.44106	6.3805	5.36098	4.98488	4.94069	5.49761	4.86565	4.87371
C2orf88	6.36613	5.98486	5.88793	5.39281	5.75868	5.78905	5.64458	5.63409	5.71549
INPP1	7.52646	7.0646	6.91921	7.21767	5.99857	6.69066	7.15822	6.39945	6.80049
MFSD6	8.70517	8.75451	8.73765	8.28662	6.60819	7.72345	8.599	7.97956	8.72072
NAB1	7.96983	8.44003	8.187	6.85661	4.63757	7.27899	7.91262	7.68564	7.64674
GLS	8.38484	8.63309	8.64577	8.55515	5.36535	8.37377	8.1024	9.67284	8.96961
MYO1B	10.1616	10.0238	9.81809	10.8713	8.73996	11.0422	10.4281	11.3516	11.1128
NABP1	7.34585	6.38719	6.74528	8.52933	7.38894	8.30556	7.93947	9.29462	9.2951
PCGEM1	5.05132	5.03	4.95178	5.54242	6.1654	5.43996	5.38214	5.20259	5.04418
CCDC150	4.9225	4.76475	5.04812	4.73813	4.74892	4.90807	4.62527	4.81427	4.47106
COQ10B	8.77114	8.24121	8.78479	8.58245	6.90747	9.01047	8.91772	9.0168	9.15353
PLCL1	5.72758	5.55369	5.48966	4.72868	5.58765	5.23293	4.90813	5.34164	5.3006
SATB2-AS1	4.19358	4.06185	4.00013	4.91405	5.49234	4.62755	4.5741	4.42753	4.61532
C2orf69	7.06042	6.96257	6.96019	6.95745	5.64307	6.94325	7.56216	6.97383	6.7246

MAIP1	8.06475	7.77162	8.35307	7.47949	5.58558	6.91606	7.95696	6.24458	7.17191
SGO2	6.29284	5.89149	6.23812	6.42666	6.01112	6.35312	6.29414	6.00707	5.8973
AOX1	6.06147	6.24267	6.81721	5.01358	4.96199	5.18298	5.30336	4.80054	4.95159
BZW1	9.33376	8.96423	9.45906	10.2231	8.93635	11.0879	10.578	10.7786	10.7464
NIF3L1	8.79372	8.90789	8.88017	8.73269	7.09665	7.51008	8.76634	7.29298	7.68636
CFLAR	8.67836	8.49037	8.74522	8.56391	7.98202	9.16393	9.01361	9.45704	9.61666
STRADB	6.47822	6.98527	6.72911	5.81762	5.50581	5.21114	5.94939	6.13729	5.50135
CDK15	6.02681	5.30313	6.03523	5.51468	6.23316	4.94437	5.27002	5.41052	5.26391
FZD7	7.39796	7.03954	7.47743	6.87041	6.66873	6.47511	6.98421	6.18944	5.25356
NOP58	9.66707	9.48936	9.69379	8.81023	6.39227	7.90753	8.87044	8.05741	8.39619
NBEAL1	8.71458	8.94789	8.15189	7.77955	5.22126	7.40963	7.74818	7.74927	8.0004
ABI2	8.33223	8.59307	8.45809	7.97395	5.95122	7.1613	7.75052	7.80336	7.21975
CD28	5.17212	5.29747	5.73564	5.54846	5.62005	5.62849	5.22227	5.5316	5.50715
CTLA4	3.64496	3.86288	4.4122	4.51254	4.58416	5.01795	4.41478	4.63084	4.57197
ICOS	3.99366	3.9281	4.36243	4.38588	4.29681	3.7978	4.28599	4.13503	4.13531
PARD3B	7.39745	7.56431	7.61611	6.39799	6.58802	6.34333	6.31032	6.24527	6.62026
NRP2	7.12124	6.55762	7.32767	7.6056	6.26582	7.48235	7.84004	8.33688	7.94616
INO80D	6.01542	5.83961	5.98488	6.10319	6.86321	5.93551	6.62429	5.6313	6.1375
GCSHP3	6.14625	6.00747	5.78097	6.2942	5.68631	5.93282	6.48024	5.44745	6.07595
ADAM23	8.17625	9.06347	6.7427	9.62151	7.26645	9.50207	10.2668	8.79949	10.2568
LOC200726	3.9104	3.92596	4.30332	4.80231	4.71759	4.61905	4.67087	4.72529	4.236
FASTKD2	7.68431	7.57187	7.81551	7.36646	5.98373	6.50858	7.78033	6.37794	7.00994
MIR3130-1	6.20473	6.36632	6.53778	6.70618	6.87835	6.85028	6.41959	6.88974	6.81017
cpo	5.05966	4.60192	5.13119	4.9805	5.5776	4.86189	4.71279	5.0573	4.27751
CREB1	8.01893	7.74074	7.74102	7.39999	6.33479	7.73796	7.48724	8.27012	8.16633
CCNYL1	5.40204	4.87442	5.65889	5.667	3.74379	6.30781	6.34095	6.74286	6.05318

LOC100507443	5.90687	5.45911	5.72397	6.36475	7.41377	6.43699	5.96941	6.0381	6.23908
IDH1-AS1	4.57603	4.66941	4.91964	5.26559	5.03572	5.35602	5.03753	4.82892	5.30982
PTH2R	4.98362	5.39622	4.944	4.75413	6.14818	5.2665	5.1123	5.51555	5.29058
MAP2	9.01793	8.80188	8.33003	8.62781	8.40661	8.25849	8.25571	9.94298	9.75148
UNC80	5.06957	4.89013	4.87318	5.43722	5.62121	5.39735	5.22458	5.08771	5.23214
RPE	7.18298	7.22549	6.94041	5.95892	4.376	5.23899	6.43295	5.09385	5.89034
CPS1-IT1	4.82258	4.84195	4.42113	4.3473	5.96712	4.67849	4.44637	4.43617	4.61899
MIR4776-1	3.66747	3.54359	3.9825	5.1958	3.91722	4.57503	5.24346	4.37011	5.04101
SPAG16	7.217	7.38162	7.03856	6.60093	5.79395	6.60739	6.37372	5.80918	6.04952
MIR4438	4.11861	4.27111	4.20153	2.81445	4.1659	3.35133	3.55669	4.00054	4.07579
VWC2L	4.2055	4.42258	4.09062	4.75882	5.73068	4.99412	4.4855	4.55582	4.75067
VWC2L-IT1	3.42313	3.62644	3.21807	3.71933	4.61685	3.2975	3.48607	3.47991	3.01552
ATIC	8.47899	8.51833	8.90982	8.95296	6.78991	7.68551	8.91371	7.47103	8.06841
TMEM169	4.41094	4.03987	4.48489	4.41889	5.81336	4.74607	4.43798	4.77094	4.69061
XRCC5	10.8898	10.9164	11.1104	10.4559	7.35584	9.61133	10.2283	9.89052	10.2163
PKI55	6.89717	7.51061	7.46321	6.29203	7.20249	6.32816	6.78399	6.80076	6.75655
RPL37A	6.99141	7.0151	6.72416	6.42851	6.5768	5.99893	6.41675	6.15277	6.39878
RUFY4	6.0375	6.05627	6.05449	6.0518	6.64172	6.90542	6.06598	6.71899	6.52388
CXCR2	5.43168	4.96339	4.92546	5.49557	5.91539	5.7491	5.41222	5.33755	5.18918
GPBAR1	6.03765	5.75652	5.69255	6.33958	6.34576	6.24692	6.04424	5.9115	5.9663
pnkd	5.94393	6.0084	5.86194	6.41836	6.04678	6.51647	6.45657	6.22052	6.20688
mir26b	6.65911	6.72763	6.6545	6.8545	7.56563	6.99161	6.7296	7.35598	7.18576
VIL1	5.73615	5.61586	5.676	5.98412	5.94123	6.18018	5.79417	6.074	6.02849
CNOT9	8.58353	8.77074	8.72641	8.47018	7.20361	7.61774	8.56442	8.31284	8.12248
Bcs1l	7.73797	7.20175	7.45436	6.75332	5.843	6.01143	7.07387	6.27226	6.63967
STK36	7.98815	7.40243	7.50143	6.84478	7.02093	6.14765	6.73728	6.4979	6.74245

LINC00608	4.58442	4.74877	4.79887	5.1529	5.86635	5.18524	4.88604	4.82858	5.3004
LOC100129175	3.60186	3.54877	3.86652	4.15322	4.02949	4.50374	3.97878	4.29444	4.31706
ANKZF1	7.2573	7.08743	7.46197	6.02199	6.48614	6.93376	6.38618	7.42168	6.40014
STK16	6.18897	6.52981	6.12367	6.1603	5.75858	6.27808	6.30737	5.97028	6.35045
DES	6.09275	6.41206	6.85618	6.50785	6.76568	6.80875	6.43078	6.72826	6.53736
SPEG	6.03166	5.94729	6.09273	6.6554	6.22049	6.62155	6.18336	6.08559	6.41898
GMPPA	7.37442	7.45137	7.23444	7.56899	6.99994	7.61117	7.58041	7.15912	7.36298
ASIC4	5.25671	5.16079	5.1327	5.63368	5.73812	5.84375	5.54516	5.85258	5.45437
TMEM198	5.15831	5.1826	5.35976	5.77807	5.58599	6.32322	5.86963	5.82438	5.69294
STK11IP	6.47683	6.24859	6.12051	6.61139	6.03612	6.80524	6.97	6.38682	6.49058
CCDC140	4.91127	5.04397	5.18776	5.44526	5.89243	5.84782	5.04053	5.32926	5.35652
SGPP2	9.86176	10.036	9.50271	10.1866	8.64434	9.58301	10.2769	10.0371	10.5364
MOGAT1	4.14186	4.09762	4.18419	4.79656	4.81176	4.67721	3.85022	4.13066	3.85635
ACSL3	8.07594	8.23039	8.275	8.39524	6.08084	7.83378	8.46684	8.9384	8.47631
MRPL44	7.4737	7.41625	7.54758	7.30054	5.44861	7.31122	8.13181	7.11576	6.85675
NYAP2	5.03611	4.89385	4.64155	5.31999	5.66147	5.28445	5.24027	5.46381	5.42196
RHBDD1	7.07712	7.10556	7.08658	6.6704	6.02147	6.59803	7.02323	6.18515	6.61165
MFF	7.46666	7.83073	7.79072	7.35456	6.2808	6.73315	7.314	7.56444	7.59843
AGFG1	9.93036	9.85306	9.95064	9.73044	9.02743	9.63984	9.77554	10.1376	10.2708
CCL20	4.42943	4.44472	4.3922	5.42731	5.58453	7.3996	7.45079	7.90124	7.57756
DAW1	4.9105	4.4789	4.94077	4.96	5.81545	5.35483	4.92237	5.69396	4.95012
FBXO36	7.48087	7.52191	7.91761	6.79992	6.15487	6.99776	7.52272	7.17792	7.24881
SP140	5.57362	5.45603	5.47289	5.25216	6.39111	5.15507	5.0774	5.52208	5.13644
SP140L	6.84175	5.73404	6.5293	5.63178	5.4834	4.98511	5.93189	5.48993	5.80017
SP100	9.25306	8.94843	9.28157	7.36099	7.48338	6.75233	7.33113	7.47186	7.45707
CAB39	8.66927	8.5631	8.84388	8.7704	6.65378	8.93684	9.16835	9.54599	9.50308

ITM2C	7.05116	6.97545	6.87502	8.41931	6.47453	7.3405	7.55507	7.23421	7.14599
LOC151484	4.81654	4.76219	4.62706	5.24663	4.76705	6.11756	4.91857	5.23878	5.07107
GPR55	6.15822	6.10714	5.97391	6.38449	7.41603	6.57081	6.81918	6.67285	6.59686
SPATA3	4.46314	3.88097	4.2439	4.58731	5.08621	4.50997	4.78975	4.71166	4.7703
C2orf72	5.89064	6.04815	5.78918	6.65607	6.82769	6.71038	6.17357	6.32347	6.33379
armac9	7.05841	6.88242	6.31149	6.37162	6.07818	5.95428	5.99433	6.38366	6.35861
MIR4777	1.94016	1.76502	1.61739	2.29487	1.68985	2.68761	2.18341	1.73519	1.70927
C2orf57	5.70787	5.83207	5.9451	6.02223	6.06248	6.03624	5.96571	6.1007	6.13394
COPS7B	7.67111	7.97544	7.7055	7.20061	6.46107	6.61286	7.28537	7.07086	7.11506
DIS3L2	8.00107	8.08359	7.88903	7.35433	7.01526	7.18481	7.45409	7.32436	7.44072
MIR562	2.60886	2.60533	2.16094	2.28627	2.15964	2.48566	2.34128	2.48088	2.72793
EIF4E2	7.0692	7.13206	7.17375	7.14319	6.36145	6.92609	7.50737	6.86553	7.13822
GIGYF2	8.07963	8.11168	8.04857	6.8175	5.77216	6.39849	7.01147	6.89295	7.01977
NEU2	7.71702	7.99739	7.79846	8.69181	8.03029	9.76884	8.45318	8.45961	8.96177
ATG16L1	7.52688	8.00149	7.5665	6.75647	6.07925	8.31371	7.27328	7.79934	7.55734
SCARNA5	9.54078	11.6702	8.61256	8.70712	7.96101	9.90065	9.54491	9.20044	7.13635
Scarna6	8.09314	9.38325	8.37957	8.06148	6.81271	9.37483	8.54047	8.16872	7.57257
SAG	5.79309	5.67938	5.81973	6.23597	6.93888	6.34318	5.92444	5.95177	6.14217
SH3BP4	7.50639	7.29811	7.81141	7.35173	6.43684	6.9945	7.44397	7.08617	7.04342
IQCA1	2.63312	3.07482	3.04827	4.29743	3.96189	3.55509	3.73283	3.42475	3.19266
ACKR3	7.66502	6.82192	8.14946	7.80095	7.55183	8.72328	7.98955	8.52261	8.03476
COPS8	8.69169	8.6515	8.69945	7.76758	6.9727	6.82683	8.13351	7.28324	7.21853
MLPH	6.43447	6.64999	6.4482	6.19961	6.55478	6.33837	6.11777	6.43737	6.26786
PRLH	6.14782	6.30673	6.51963	7.05058	7.18747	7.30904	6.7463	6.68782	6.81654
LRRFIP1	8.57815	8.23744	8.80267	7.49846	6.82565	7.56	7.49965	8.40976	8.61176
RBM44	5.41902	5.35632	5.98802	4.9757	4.77009	5.20038	5.39044	5.059	5.16153

RAMP1	6.48215	6.56754	6.77023	7.79992	7.07099	7.70024	7.00079	7.2268	7.26443
SCLY	6.48436	6.12072	6.26453	6.83283	6.14905	6.63865	6.57151	6.84077	7.04545
ESPNL	5.91937	5.79892	6.12544	6.86201	6.81066	7.31303	6.61641	6.90189	6.74465
KLHL30	6.23399	6.09501	6.36926	6.86572	7.13401	7.07178	6.60193	6.59495	6.66555
LOC643387	5.04194	5.26246	5.14809	5.37833	5.61451	5.74231	5.54033	5.87955	5.65882
TRAF3IP1	7.43475	7.44744	7.38784	7.18096	6.42698	7.02336	7.53673	6.70425	6.8266
ASB1	6.78011	7.10292	6.91094	7.59096	7.2876	7.7842	7.79603	7.52074	7.64785
TWIST2	6.62601	6.92615	6.34944	6.50125	5.07424	6.684	6.54979	6.07987	6.63467
MIR4269	5.78426	5.61113	5.9933	5.73887	6.09462	6.27618	6.03301	6.23178	5.8455
LOC150935	4.84905	5.01	5.01238	5.24292	6.1474	5.52036	5.41783	5.40704	5.48036
GPC1	8.34234	8.30974	8.26031	8.71146	7.99296	8.56904	8.80945	8.33302	8.56114
MIR149	7.01623	7.17608	7.01551	7.33147	7.61256	7.96879	7.36987	7.95832	7.72185
dusp28	6.24367	6.18796	6.48256	6.20095	6.08277	6.11311	6.24512	5.96515	6.023
RNPEPL1	7.68339	7.55164	7.52648	8.08427	7.03014	8.94549	8.82318	8.26031	8.22132
CAPN10	6.53209	6.41224	6.26643	6.70726	6.0756	7.21355	6.81176	7.1369	6.59692
GPR35	6.26991	6.28725	6.29268	6.30339	6.47228	6.16718	6.0598	6.42264	6.55226
AQP12A	6.67038	6.4522	6.62591	7.13772	7.51212	7.42895	7.16866	6.66092	6.71092
AGXT	5.8952	5.81519	6.11443	6.59075	6.94669	7.01499	6.57531	6.6424	6.61959
ANO7	5.85976	6.05941	6.29774	6.55448	6.64253	6.72328	6.45241	6.22553	6.50738
44441	9.87479	9.55765	9.87829	8.85294	6.865	8.42036	9.11287	9.50795	9.11131
BOK	8.2875	8.0892	7.76123	9.23144	7.74843	9.3284	9.33239	8.73358	9.01542
D2HGDH	7.0231	7.32483	7.02475	6.80765	6.9261	6.75851	7.15661	6.93468	6.70934
GAL3ST2	6.83486	6.82392	7.08219	8.01206	6.86756	7.91854	7.41144	7.71013	7.41989
NEU4	6.3041	6.25205	6.19774	6.59936	6.45702	6.89008	6.40352	6.88867	6.72963
RTP5	5.44179	5.7982	5.87699	5.96839	6.7889	6.84153	6.17833	6.27843	5.87931
LOC728323	8.75396	9.15729	8.9111	7.63795	6.28636	8.13568	7.87264	8.33971	7.59935

TMEM18	8.1475	7.68551	7.6991	7.44699	6.34553	7.30994	7.44836	7.26891	7.39845
LINC01115	5.69006	4.98645	5.56723	5.14438	5.88003	5.43254	5.8587	5.31052	5.82971
PXDN	7.24126	6.59119	6.81728	7.44279	6.29516	6.47129	7.06093	7.2274	7.0034
MYT1L	5.49483	5.78126	5.46654	6.03128	6.54092	6.13444	5.7251	5.96377	6.17793
TSSC1	6.89874	6.51148	6.77893	6.61043	6.93824	6.56499	7.05893	6.54148	6.80458
ADI1	8.22431	8.12391	8.23325	8.22865	6.85994	8.14717	8.52873	7.97995	8.06354
RNASEH1	6.56054	6.67679	6.78471	6.28469	6.5286	6.34647	6.5109	6.51896	6.20852
LINC01304	4.98799	5.16359	4.85172	5.65268	6.15324	5.88624	5.3211	5.34097	5.17999
LINC01249	5.21793	5.30905	5.21486	5.26475	6.04383	5.49309	5.02747	5.22548	5.30852
LINC00487	4.79321	5.06213	4.76403	5.37693	6.83384	5.05186	4.90776	5.0465	4.84735
RNF144A-AS1	4.4532	4.46542	4.71852	4.96211	5.15178	5.17223	5.01061	4.9719	4.93839
LINC00298	4.94256	5.334	5.42031	5.27572	6.91924	5.57772	5.59164	5.59329	5.59629
LINC00299	5.41661	5.39878	5.26971	5.81473	6.09615	5.70293	5.43479	5.65463	5.61336
MBOAT2	10.2209	10.2764	9.93439	10.6074	10.308	10.8998	10.6147	11.1634	11.3287
ITGB1BP1	6.50012	6.67509	6.81183	7.3161	5.75751	7.36838	7.37054	7.8053	7.36346
ADAM17	9.21554	8.85938	8.73864	8.40658	7.33137	8.90066	9.0087	9.26693	8.78704
cys1	6.17559	6.2553	6.35582	7.20791	6.7171	7.62506	7.14364	6.87118	6.88168
MIR4261	3.99047	3.84865	3.86508	3.97446	3.34028	4.37044	4.24486	3.88453	3.46482
ODC1	7.64465	7.17292	7.96788	11.3167	7.66906	12.6312	11.2618	10.863	12.159
FLJ33534	4.76047	4.53988	4.73485	5.22851	5.61288	5.3248	5.10995	5.21608	5.38466
MIR4429	4.89869	5.06226	4.95396	4.46992	5.30398	5.40822	5.4334	4.62463	5.09605
NTSR2	4.93151	4.92667	5.2319	5.34782	5.0004	6.04114	5.17652	5.74494	5.43717
LOC100506474	4.81164	4.31313	4.79998	4.5098	5.14397	4.73155	4.36922	4.18651	4.46906
NBAS	9.08685	9.09452	8.99164	8.21868	6.41825	8.23768	8.30898	8.08782	8.13754
MYCNOS	4.72903	4.87348	4.70156	4.97444	5.14664	5.50226	4.70168	5.2351	5.1674
RAD51AP2	3.91103	3.95647	3.91929	3.59728	4.20832	3.90665	3.81291	3.47963	3.64625

SMC6	7.85689	8.09978	8.02668	7.04763	4.7238	6.29133	7.36153	6.83319	6.99993
OSR1	5.95085	6.46122	6.20503	6.09119	6.26134	6.34932	5.90999	5.99997	5.98502
ttc32	5.63902	6.03954	5.7918	5.44647	4.57316	4.5597	5.85159	4.65604	4.60964
WDR35	6.55889	6.61628	6.80746	5.6192	5.06806	5.67955	5.76311	4.69664	5.34529
MATN3	5.57947	5.72989	5.70207	5.91523	6.00544	5.78925	5.53515	5.35842	5.88982
laptm4a	12.7139	12.4572	12.7906	12.2778	11.9793	11.6863	12.364	12.287	12.2214
sdc1	9.28477	9.28028	9.12321	10.5517	9.1021	10.7797	10.4663	10.3243	10.6679
PUM2	10.2663	10.1241	10.108	8.95072	6.43865	9.20059	9.20544	10.1011	9.51268
HS1BP3	6.64386	6.6249	6.5965	6.96663	6.7836	6.92265	7.33869	7.15814	6.81421
APOB	6.78445	7.35273	6.0222	6.45086	6.18135	6.28837	6.01384	5.76361	5.95436
LOC645949	3.93816	4.13402	3.97923	4.73225	5.45203	4.29037	4.26477	4.34698	3.9821
WDCP	6.64672	6.78634	6.95364	6.18806	6.54679	6.04341	6.35421	6.13725	6.20973
TP53I3	6.66196	6.11315	6.38819	7.56159	6.19683	8.18155	8.29138	6.87581	8.31109
ITSN2	9.34296	9.46706	9.33082	8.69536	7.9151	9.86019	9.01119	9.99219	9.76742
PTRHD1	6.3204	6.50943	5.9926	6.73592	6.24048	7.13901	7.51606	6.11594	6.42139
ADCY3	8.04908	7.91814	8.23235	7.60548	6.71524	7.2615	7.8809	7.19717	7.24692
POMC	5.43684	5.41528	5.58391	6.02656	5.55619	5.13499	5.54235	5.2222	5.11493
DNMT3A	7.07741	6.89023	6.78848	6.52921	6.6106	6.96426	6.93992	6.65049	6.78497
MIR1301	7.9535	7.85672	7.72647	7.57659	8.74699	7.37386	7.31098	7.51349	7.30548
ASXL2	9.42125	9.3145	9.34408	8.66235	5.73424	8.21617	8.94483	8.152	8.84063
KIF3C	7.03238	6.79624	6.70426	7.40639	6.86841	6.83218	7.16649	7.21246	7.24549
ADGRF3	5.55491	5.97812	5.80842	6.27232	6.45578	6.45518	5.75026	6.19749	5.99904
OTOF	5.51055	5.9619	5.94478	6.38886	6.3775	6.3547	6.12364	6.45021	6.13759
CIB4	5.16397	4.99396	5.02006	5.3466	6.2424	5.95931	5.2665	5.08644	5.6273
OST4	8.86109	8.69824	9.00199	9.14153	8.67083	8.97981	9.39136	8.49356	9.1079
CGREF1	6.16436	6.22871	6.25895	6.41064	6.38999	6.60125	6.2677	6.16202	6.33664

PREB	7.81648	7.78128	7.77708	8.28683	7.84262	7.75627	8.51562	7.4605	8.00916
PRR30	5.51658	5.91562	5.75163	6.05346	6.39617	6.17939	5.95605	6.00738	5.88807
UCN	5.30881	5.47731	5.80377	6.09604	5.82938	6.37985	5.88293	6.43961	5.81798
MPV17	7.45962	6.90895	7.29732	6.59223	6.19035	6.10002	6.6498	6.37296	6.90108
ZNF513	7.50979	7.20602	7.3608	8.27173	7.00197	8.21014	8.09593	8.13467	7.8607
IFT172	7.43231	7.12101	7.42996	6.02898	6.59622	6.16086	6.30612	6.09517	5.90357
FNDC4	6.91794	6.71227	7.10926	7.97205	7.16724	8.1162	7.08373	8.91616	7.51351
CCDC121	5.63571	6.09455	5.87347	5.54349	6.20686	6.43827	5.76542	5.74703	5.93732
SUPT7L	9.07395	8.84138	8.91136	8.3431	6.72712	7.61925	8.46146	8.13994	8.68466
BRE-AS1	6.16796	5.95287	6.23448	6.38897	5.84109	6.79305	6.20241	6.11123	6.21801
LOC100505716	6.03448	5.75939	5.60597	5.71815	6.28053	6.15758	5.89684	5.96493	5.91191
trmt61b	7.4745	7.41148	7.45098	6.56493	4.8084	5.16564	7.20282	5.78609	5.7408
C2orf71	5.53011	5.74571	5.86703	6.03874	6.35805	6.64879	6.27959	6.03257	6.03577
ALK	5.35195	5.88563	5.59566	6.01387	6.65938	6.02358	5.59325	5.75593	5.75809
CAPN13	5.89104	5.39682	5.86579	5.98494	6.68854	6.07781	5.90055	6.14759	6.27333
GALNT14	6.72056	6.29635	6.41563	6.5745	6.49693	5.95464	6.14677	6.01421	6.07012
CAPN14	5.03398	5.45061	4.79146	5.17981	5.45966	4.71306	4.92145	4.78924	5.05979
XDH	7.37396	7.5013	6.51673	6.483	6.6899	7.09166	7.52631	8.1832	7.67573
MEMO1	7.67597	7.69802	7.11332	7.89918	6.35822	8.01652	8.40177	7.76911	8.08217
DPY30	9.43877	9.53619	9.1987	9.77944	7.83841	9.07186	10.1427	9.81385	9.78996
MYADML	5.41757	5.4851	5.32901	5.74591	7.52156	6.35236	5.89852	5.91168	5.93281
LOC100288911	5.53352	5.60515	5.15441	5.43696	6.30394	5.74894	5.08593	5.4931	5.20437
FEZ2	7.66085	7.49998	7.49572	6.84803	5.86938	6.92419	6.88225	6.65267	7.15768
HEATR5B	9.22239	9.57998	9.23214	8.61354	6.89429	7.9494	8.42226	8.46818	8.48009
eif2ak2	8.49746	8.11922	8.62344	7.09949	4.8936	6.45214	7.62953	7.24995	7.00007
PRKD3	8.15889	7.91481	8.19772	6.53405	5.67636	5.99688	6.53037	6.36529	6.15818

CDC42EP3	6.24624	5.8004	6.3015	6.59747	6.13741	6.25299	6.14798	7.1601	6.44081
ATL2	8.85755	8.71501	8.72648	7.60329	6.25909	7.60783	8.07058	7.20534	7.5111
HNRNPLL	6.81511	7.10688	6.94893	6.88563	5.14602	6.03103	6.98902	6.00077	6.65121
SRSF7	9.32014	8.67176	8.573	8.48761	6.3121	7.69225	8.10184	8.10878	8.10507
DHX57	7.61594	7.98647	7.59111	7.17067	6.34055	6.30845	6.99615	6.8364	6.75175
LOC375196	5.82078	5.65364	5.59184	6.4153	6.08	6.72978	6.21811	5.94708	6.01613
SOS1	9.06482	9.11761	8.93232	8.03008	5.69752	7.72863	8.13079	8.06158	8.42369
CDKL4	4.32734	4.36948	4.2386	3.78489	4.30613	3.7811	4.23266	3.82968	3.62143
MAP4K3	9.69818	9.78002	9.37557	7.2964	5.51472	6.81163	7.78874	7.99893	7.38275
THUMPD2	7.92836	7.85493	8.21682	6.33343	5.18114	5.63041	7.00547	6.38331	6.33173
C2orf91	5.51561	5.99987	5.90595	6.16008	6.84091	6.22875	5.93991	6.05134	6.02672
COX7A2L	7.1353	7.44823	7.48093	7.29984	6.96342	7.24432	7.29978	7.19883	6.93084
OXER1	6.61389	7.25545	6.79169	6.52218	7.34227	5.9162	6.01461	6.63163	6.26147
THADA	8.16562	7.82719	7.74613	6.76133	6.2523	6.29438	7.1017	5.89208	6.92146
C1GALT1C1L	4.37319	4.32948	4.07741	4.46276	4.60626	5.0553	4.49055	4.14893	4.3554
LRPPRC	9.35052	9.31577	9.5346	8.58045	5.38077	8.24903	8.881	7.88289	8.42301
PREPL	8.94079	9.0475	8.63844	7.6337	6.60594	6.70204	7.5419	7.62642	8.05107
SIX2	6.11273	6.12035	6.23861	6.8264	6.77329	7.14356	6.5819	6.83832	6.52111
LINC01121	4.05445	4.91235	4.62563	5.00182	5.40972	5.00524	4.69929	5.07257	4.68602
SRBD1	7.90885	8.16189	7.51797	7.33744	6.25538	7.29241	7.67389	6.47655	6.73729
MCFD2	6.8651	6.92529	7.1775	7.31456	6.8235	7.46397	7.48213	7.99334	7.81581
FBXO11	9.25751	9.37857	9.2686	9.00658	7.0402	9.236	9.0711	9.17477	9.63576
LHCGR	5.45944	6.02183	5.62226	5.74192	6.70891	5.80575	5.81582	5.70373	5.78432
FSHR	4.93335	5.00661	5.02657	5.70296	6.07098	5.59196	5.24967	5.08997	5.1542
NRXN1	5.12117	5.00114	5.17922	4.96527	5.39215	5.15977	4.67461	5.04936	5.02342
MIR4431	2.44607	2.43774	2.5961	2.8407	3.31838	3.87656	2.66618	2.50142	2.83385

GPR75	7.57706	7.84569	7.66551	6.94321	6.76041	6.27448	6.90606	6.95919	7.15306
MIR3682	2.49764	2.23828	2.79042	2.11805	1.91306	2.60459	2.2337	2.15335	2.09358
TSPYL6	5.04082	5.48767	5.20636	6.07294	6.42063	5.94157	5.5979	5.98729	6.00877
RTN4	8.72683	8.53935	8.4241	8.74915	6.80253	8.65226	8.64875	8.82513	8.74598
CLHC1	6.37369	6.36424	5.67895	5.518	4.41444	4.88798	5.32898	4.90332	5.13537
MTIF2	7.6028	7.72684	7.758	7.31177	6.21239	6.6419	7.79862	6.55001	6.8028
CCDC88A	7.45671	7.21298	7.59734	6.77449	5.46372	5.64796	6.77045	6.60458	6.56463
PNPT1	7.67704	7.71729	7.73736	6.83823	5.98502	6.16761	7.48155	6.20637	6.36724
EFEMP1	9.17044	9.42875	9.7817	9.17785	6.98858	8.57482	9.1614	8.97268	8.94484
MIR217	3.28355	3.11242	3.15894	2.82147	2.15546	2.8546	3.46475	3.7398	3.60129
MIR216A	3.60482	3.41041	3.65436	3.62134	4.29262	3.59078	3.35946	3.59628	3.97976
MIR216B	3.07315	3.29142	3.13931	3.30149	3.46593	4.46009	3.41529	3.67266	3.49828
MIR4432	3.83499	3.64263	3.48026	4.58917	4.87041	4.73201	4.77222	4.57688	5.0007
BCL11A	8.94669	8.35056	8.49115	6.57046	5.59523	6.22473	7.5265	6.5621	6.248
LINC01185	4.86038	5.1037	5.20237	5.62103	6.30378	5.92505	5.43375	5.7131	5.28259
PUS10	8.07223	6.21305	6.31468	6.54618	5.44359	5.89484	6.26491	5.22101	5.23233
LOC339803	6.44678	6.37588	6.22074	6.4122	6.5559	5.67488	6.68012	6.19144	6.12286
USP34	10.1215	10.2098	10.1024	9.0921	6.18268	8.86368	9.30986	9.45589	9.55212
TMEM17	6.71592	6.24763	6.58916	6.7139	5.90203	5.98376	6.83146	5.49747	5.91198
LOC100132215	6.25219	5.90801	6.27942	6.88631	6.38235	6.47756	6.80241	6.14661	6.59063
DBIL5P2	4.69595	5.22763	4.94155	4.74658	5.91438	5.44114	4.70405	5.03232	5.18626
WDPCP	6.72255	6.65077	6.82205	5.70615	5.19798	5.03207	5.57852	5.31833	5.34624
VPS54	7.10589	7.33035	7.27576	6.62055	5.1798	5.91531	7.30377	5.98652	6.60197
PELI1	10.0357	10.0119	9.51148	9.89328	8.6366	10.69	9.47922	10.8804	10.1597
LINC00309	4.42977	4.56245	4.5334	4.91867	5.425	4.74546	4.89113	4.75859	4.76479
SERTAD2	8.25477	8.05195	7.97756	8.49371	7.06939	9.71543	8.47269	9.20754	8.98022

LOC400958	4.40743	4.809	4.42585	4.46281	5.89812	5.17204	5.13465	5.11794	4.99874
MIR4778	5.0948	5.49666	4.88408	5.41891	5.31989	5.69533	5.90832	5.17504	5.54109
MEIS1-AS3	5.20078	5.24727	5.0301	5.71448	6.04761	5.72971	5.78889	5.48398	5.69602
LOC644838	4.29566	4.75294	4.40612	4.72928	5.48005	5.26444	4.70523	4.54034	4.60239
C1D	6.50767	6.45636	6.79734	6.54435	6.23864	6.05726	6.89154	6.53115	6.61233
CNRIP1	6.17161	6.0789	6.65655	6.14187	5.65558	5.95805	5.86591	6.12043	6.36407
FBXO48	6.84638	7.2768	6.68146	6.13876	5.67358	6.48526	6.68781	6.51618	6.36347
BMP10	4.6744	4.76798	4.43484	5.15222	6.03877	5.42883	4.82559	4.90936	5.2391
GKN2	3.35708	3.6869	3.18267	3.43188	5.0995	3.31746	3.57942	3.51645	3.55301
GFPT1	8.31243	8.42616	8.49336	8.21475	6.01749	8.97026	8.13228	9.13094	9.19796
NFU1	6.73573	6.80583	6.99201	7.10895	6.03178	7.55032	7.1609	7.12509	7.11854
AAK1	8.91665	8.59934	8.66897	8.05366	6.37192	7.77415	8.0941	9.0715	8.47884
TIA1	8.27565	8.27384	8.25147	7.0193	4.33146	6.09823	6.75228	6.81088	6.60484
SNRPG	5.25272	4.66081	5.30499	4.56246	4.3582	5.0623	4.33985	5.02121	4.82607
ADD2	5.6151	5.71341	5.71589	5.57774	6.42189	6.27309	5.78945	6.11471	6.18072
FIGLA	4.9329	5.02872	5.13556	4.98356	5.26989	5.38032	4.78442	5.18881	4.95137
TEX261	8.89402	8.47966	8.73893	8.85138	7.26161	8.11083	8.97781	8.08161	8.62866
MCEE	7.59602	7.54332	7.42521	6.75578	5.61942	6.54661	7.46856	6.37958	6.33929
PAIP2B	8.74185	8.76885	7.85793	7.60344	5.83813	6.50033	7.70909	6.47038	6.36431
EXOC6B	10.5041	10.0898	9.99675	9.32582	7.44123	9.29459	9.72906	9.91885	10.0935
SFXN5	6.6844	6.51533	6.51616	6.54922	6.54762	6.28548	6.59865	6.38681	6.66174
rab11fip5	6.93765	7.20181	7.08739	7.48869	7.29473	8.11214	7.74515	8.36174	7.91868
PRADC1	6.74313	6.60516	6.67083	7.17931	7.69464	7.31648	7.21286	7.16951	7.10617
FBXO41	6.218	6.19591	6.11068	6.6198	6.21732	7.07784	6.4895	6.75343	6.31004
EGR4	5.62572	5.68617	5.53687	5.76649	6.24008	6.46761	5.70478	5.84632	6.54139
TPRKB	6.43325	6.29823	6.43898	6.31708	4.90317	6.29684	7.04293	6.09308	6.24541

DUSP11	9.46611	9.29687	9.39825	8.77822	7.19038	8.35776	8.87542	8.51099	9.18116
BOLA3	6.34692	6.23588	6.63577	7.62595	6.63042	6.80544	6.95113	6.88551	6.59067
mob1a	9.37381	9.16663	9.3112	8.99677	6.99628	8.61141	8.95078	9.1295	9.20198
DCTN1	7.95964	8.07134	7.93422	8.27962	7.27558	8.47187	8.4733	7.86972	8.39241
C2orf81	6.12715	6.26695	6.12474	7.04308	6.2754	6.94184	6.4607	6.68481	6.47618
RTKN	7.35729	6.84334	7.07276	7.08563	6.29734	6.95037	7.48066	7.17133	7.62926
MOGS	7.21974	6.66873	7.02491	6.99538	6.15889	6.87621	6.91092	6.64917	7.08752
MRPL53	8.19927	7.69552	8.19053	8.77176	8.15716	8.68074	8.89593	8.07927	8.58427
CCDC142	7.01377	7.0861	6.99781	7.13578	7.02333	6.67519	6.85621	6.97521	7.14113
LBX2	5.31028	5.5862	5.70414	6.46164	5.85197	6.0059	6.12304	6.55012	5.88357
PCGF1	6.82234	6.61453	6.37415	6.99742	6.61117	6.55233	7.09062	6.40874	6.93743
dqx1	7.50597	6.9505	6.33712	6.67071	6.60184	6.89183	6.41781	6.09259	6.56227
AUP1	9.15322	8.73974	8.89216	8.77066	7.8121	8.54891	8.81234	8.42713	8.89986
LOXL3	5.9753	6.27335	6.02508	6.51185	6.35419	6.56031	6.50838	6.50044	6.81336
TACR1	7.29239	7.05268	7.51599	6.03343	7.05661	5.71335	5.9698	6.19219	6.5604
GCFC2	7.66865	7.83667	7.63965	7.12022	5.27795	6.27779	7.646	6.25669	6.86128
LRRTM4	4.91863	4.38493	4.50491	4.83919	6.66749	4.8046	5.0497	4.70754	4.79696
SNAR-H	5.2157	4.27576	4.85294	4.24747	7.31836	4.04582	4.48593	5.01963	5.16004
REG1B	4.1528	4.01118	3.88021	5.00737	5.633	4.83293	4.50732	4.46934	4.55266
REG1CP	4.30511	4.23487	4.25874	3.97865	5.64643	4.71619	4.84924	4.59951	4.13115
REG3A	3.43338	3.83483	3.67514	3.40401	4.71718	3.8719	3.02968	4.14827	3.86891
MIR4264	2.28693	2.21075	2.45124	2.19419	3.04837	2.93556	2.28778	2.42926	1.97504
LRRTM1	4.16624	4.39849	4.5106	5.05487	5.59469	4.83385	4.37482	5.08058	4.78174
TRABD2A	5.65748	5.90407	5.77306	6.10209	6.49992	6.54578	6.08854	5.85864	6.0156
TGOLN2	9.0211	9.13583	9.01942	8.15475	6.08246	7.79657	8.51873	9.05387	8.73777
PARTICL	5.42912	5.24935	5.19489	5.80041	5.72835	5.32855	5.79226	5.77142	6.0074

GGCX	7.96583	7.87856	7.92494	7.83522	7.31595	7.89909	7.97539	8.16631	7.84949
TMEM150A	6.30321	6.24264	6.49152	6.87458	6.5976	6.67861	6.44755	6.60621	6.54838
c2orf68	8.32272	7.91223	7.89828	7.94051	7.61726	7.43069	7.96893	7.1073	7.71111
SFTPB	5.97439	5.77135	5.68827	6.25333	6.87557	6.16362	5.92478	6.23099	6.21665
MIR4779	2.42346	2.51968	2.28857	2.82717	2.5215	3.17119	2.67514	2.7488	3.12665
REEP1	5.31114	5.51496	5.14912	4.94635	6.11903	5.87763	6.45466	7.23852	6.73946
RNF103	8.45217	8.53137	8.53062	7.86826	6.26786	7.79143	8.13182	7.88447	8.08427
CD8A	6.08272	6.48583	6.3837	7.36906	7.03667	7.49399	6.76677	6.73976	6.95599
CD8B	4.85958	5.05521	5.27704	5.6724	5.48975	5.78853	5.28101	5.25282	5.3132
PLGLB1	5.80054	6.13353	6.37015	5.34781	7.2876	5.06533	4.6686	5.323	5.03136
LOC285074	9.35921	9.40688	9.48638	8.01716	8.11427	7.53192	8.11239	8.64302	8.00716
KRCC1	8.36066	8.64794	8.28784	7.55433	6.64791	7.47586	8.27567	7.11806	8.13668
MIR4780	6.96391	7.05209	6.89315	7.96483	8.11081	8.02315	7.69953	7.6155	7.9286
FOXI3	5.25776	5.38344	5.29673	5.99916	6.32814	6.74975	6.37063	6.09061	6.17296
EIF2AK3	7.731	7.86765	7.93738	7.08239	7.23606	7.76708	7.00789	7.85241	7.52423
LOC654342	9.21212	7.72778	9.38913	9.35688	7.94199	9.39881	9.58444	10.4072	10.2497
FAM95A	5.88693	5.47663	5.52602	6.41005	6.28707	6.37963	5.84769	6.39537	5.96499
LOC442028	5.57253	5.33853	5.6394	6.01677	6.04546	6.33958	5.5796	6.17484	5.88885
MRPS5	8.08119	8.35174	7.95872	8.6285	5.93399	8.44412	8.69414	9.10604	8.59769
ZNF514	7.42953	7.459	7.41784	6.28662	6.01078	6.43347	7.19869	7.05792	7.02807
TRIM43B	5.01186	5.16585	5.14382	5.29831	6.37766	5.05292	5.44281	5.1962	5.15259
ADRA2B	5.90723	5.6372	5.5007	6.03034	5.81822	6.13564	6.07962	5.96293	5.781
ASTL	6.34591	5.75673	5.69603	6.16	5.98385	6.8927	6.38838	6.46541	6.49052
DUSP2	7.74463	6.52748	6.95264	7.31008	7.63463	7.55676	7.22461	7.26041	7.17346
STARD7	9.83596	9.66253	10.1676	8.93311	7.23188	7.94409	8.74504	8.58781	8.07888
TMEM127	8.91209	8.32524	8.66308	8.5436	7.24782	8.03834	8.73659	8.53765	8.68037

SNRNP200	9.30696	9.27664	9.45089	8.58999	6.11469	8.15211	8.7881	8.37546	8.59584
NEURL3	5.88904	6.09614	5.97283	6.80213	6.44386	6.62602	6.40487	6.60247	6.2763
KANSL3	8.14849	8.4333	8.16948	7.48746	6.33211	7.47943	7.0509	7.13118	7.36215
ANKRD23	6.737	6.56063	6.48453	6.2968	6.34963	6.67038	6.29181	6.1919	6.36102
ankrd39	8.21332	7.76484	8.02425	7.92826	7.65158	8.01325	8.60877	8.03804	8.06208
ANKRD36B	8.86864	9.52014	8.58499	6.5935	5.76854	5.19417	6.06376	6.30648	7.05994
TMEM131	10.5227	10.3152	10.2314	9.7188	7.96507	9.54022	9.82066	9.45308	9.91461
COA5	7.4195	7.37549	7.58093	5.91978	5.04431	5.96686	6.20958	5.5225	5.97594
KIAA1211L	6.99838	7.04608	7.07296	6.39323	6.53272	6.89881	6.78572	6.3214	6.39814
LYG2	3.91124	4.09858	3.88926	4.42444	4.51467	4.72615	4.25754	4.32746	4.1969
LYG1	5.74322	5.92749	5.75751	6.03341	5.8834	6.1567	5.73907	5.58002	5.46158
TXNDC9	5.97646	6.07684	5.94611	5.7617	5.36732	5.8486	6.34813	5.67683	5.93884
LONRF2	5.06187	5.9201	6.2454	5.60929	6.13605	6.10091	5.75617	5.45315	5.63301
CHST10	6.29099	6.15719	6.32891	6.68953	6.35229	6.40533	6.4726	6.37286	6.33693
CREG2	5.10277	5.25295	5.0872	5.73794	5.44793	6.20102	7.04053	6.54071	5.97937
MFS9	6.55137	6.74397	6.43506	6.50804	6.06595	6.92763	7.16178	7.14393	6.9859
LOC100287010	4.32535	4.71754	4.23285	4.33899	5.13497	4.22763	3.81534	4.07105	4.42637
LINC01114	3.53302	3.92606	3.90574	4.22214	4.64815	4.17474	3.96876	3.94583	4.31791
LINC01158	5.15898	5.38537	5.48128	5.84211	7.11381	5.81223	5.25973	5.99752	5.72735
FHL2	8.07435	8.27863	8.08346	8.72983	7.89653	9.32978	8.89637	9.00505	8.70677
LOC285000	4.62016	4.43284	4.21607	4.81456	5.34926	3.69626	5.01469	4.80558	4.36661
UXS1	8.40614	8.37338	8.69787	8.32351	7.00699	7.51511	8.52751	8.75063	8.01464
RGPD3	7.72324	8.0859	8.3339	6.86289	6.22232	7.33579	7.04179	8.2247	6.76431
RGPD4-AS1	4.59046	4.49078	4.36871	4.52276	5.51171	4.9883	4.72022	4.43412	4.73812
EDAR	6.37751	6.55294	6.65825	5.96973	5.75989	6.25561	6.58492	6.18165	6.24452
SH3RF3-AS1	5.4746	5.20895	5.41329	5.91982	6.10161	6.12861	5.9405	5.86112	5.61758

MIR4265	4.21541	4.16029	4.05373	4.23297	4.67212	4.13537	4.35539	3.96005	4.14075
MIR4266	3.7065	3.97278	3.73533	3.7441	3.55271	5.04815	4.10028	3.85488	3.78405
44449	9.87493	9.82643	9.77527	9.28352	7.62888	9.28801	9.68606	10.2883	10.1708
MIR4267	6.39172	6.86007	6.9375	7.1085	7.73811	7.23401	6.30757	6.63137	6.86824
nphp1	5.21167	5.36213	5.37454	5.20325	5.42468	5.21275	4.76594	5.17245	5.15139
LINC01106	6.38224	6.4747	6.52639	6.08387	6.87634	5.91821	6.56783	6.4405	6.95121
LOC100288570	6.54161	6.14996	6.05198	5.79462	6.31641	5.12106	6.05321	5.89612	5.93777
BUB1	6.51359	5.92743	5.95688	6.46389	5.3463	5.52964	6.15921	5.9329	5.63234
ANAPC1	8.06744	8.06779	8.26538	7.42142	6.56858	6.93703	7.55189	6.9195	6.96256
ZC3H8	6.77543	7.07617	6.97138	6.0727	5.04586	5.40051	6.48378	5.40952	5.91177
RGPD8	10.4526	10.7434	10.5709	9.33812	9.54041	8.8357	9.41414	10.2647	9.62892
FLJ42351	4.68843	5.12382	4.64217	5.49988	5.54763	5.42781	4.39046	4.98588	4.95167
CKAP2L	6.49828	6.02034	6.01338	6.79102	4.89889	6.07695	6.57036	6.62295	6.3534
PAX8	5.70989	5.5785	5.78848	6.21621	6.67819	6.40701	6.23159	6.42295	6.84486
DDX11L2	5.39212	5.73287	6.22003	6.2844	6.65115	6.14606	6.47777	5.83391	6.39802
RPL23AP7	5.76833	5.9333	6.45169	5.85858	5.64244	6.14806	5.93317	5.77567	6.08179
MIR4782	2.63225	2.06758	2.23705	3.02838	2.30985	2.84791	1.9318	2.98119	2.43451
LOC100499194	4.61458	4.53088	4.58713	5.49531	6.2448	5.52776	5.24455	4.90383	4.90821
DPP10-AS1	4.77166	4.61363	4.467	5.25779	5.83629	5.09418	4.50583	4.49784	4.34282
CCDC93	8.48309	8.78464	8.79847	8.42197	7.02801	8.42287	8.47874	9.40987	8.85886
EN1	7.32171	7.9555	7.32562	7.26362	6.42886	7.54804	8.26944	6.5187	6.42055
SCTR	5.13375	5.04263	5.37992	5.71857	6.20778	5.89221	5.75848	5.709	5.79117
TMEM185B	7.08517	6.97935	7.3994	7.24003	5.28535	7.15076	7.94626	6.45531	7.28549
LINC01101	4.98065	5.61177	5.20277	5.52677	5.71992	5.67914	5.55481	5.69909	5.36983
TFCP2L1	9.16402	9.28303	10.4358	9.07994	6.95581	8.39353	8.71661	8.00518	7.71365
CLASP1	9.43871	9.38194	9.32665	8.95161	7.30512	8.75065	8.60161	9.017	9.2972

NIFK	9.62944	9.63183	9.65715	9.44401	7.8858	8.86232	9.83818	9.24015	9.51577
BIN1	6.67184	6.82306	7.1575	7.68262	7.16556	7.75034	7.79468	7.77605	7.45844
MAP3K2	8.20212	7.52388	8.24955	6.39986	4.74984	7.0045	7.10752	7.33769	6.32643
MIR4783	5.91279	5.393	4.73563	6.72538	5.99774	7.21935	6.29599	7.06154	6.4785
IWS1	7.0679	7.08139	6.87379	7.18632	6.53946	6.90733	7.41809	7.67767	7.01371
LIMS2	6.24361	6.3727	6.81155	6.6582	6.60651	6.81087	6.77347	6.89587	6.8227
WDR33	9.54335	9.53599	9.52274	8.7084	6.71541	8.83349	9.00809	8.58494	8.6778
POLR2D	8.48114	8.28922	8.80567	8.61274	6.09916	7.33295	8.60955	6.90932	8.27262
AMMECR1L	8.07368	8.16061	8.09528	8.36259	6.57726	7.60465	8.36147	8.24153	8.35092
HS6ST1	7.6301	7.0244	7.10296	7.30236	6.65041	8.06683	7.26501	7.87569	7.69089
LOC389033	5.51046	5.57248	5.49225	5.99143	5.53122	6.66627	5.99861	6.09564	6.37199
CCDC74B	6.44349	6.59858	6.62313	6.60386	7.12203	6.82645	6.96993	7.07238	6.7729
CCDC115	6.0492	6.06549	6.20875	5.83626	5.75886	5.5616	6.05406	5.83341	5.69355
WTH3DI	2.76935	2.38926	2.4197	2.5749	2.61659	2.71097	2.30509	2.30755	2.3113
NOC2LP2	7.01748	7.29639	6.88919	7.0233	8.54685	7.05262	6.78914	7.24339	7.66317
ANKRD30BL	4.59103	4.60257	4.41243	5.4406	5.96055	5.6394	4.39046	4.8138	4.52452
MIR663B	8.18577	8.13661	8.57008	9.54419	9.57617	9.76534	9.02879	9.13939	9.04101
LYPD1	5.59204	5.46434	5.3244	6.13298	5.61242	6.02848	5.78388	6.01701	5.42739
NCKAP5	8.2636	8.40123	8.05465	7.77612	6.29004	6.88846	7.65524	7.41322	7.98534
TMEM163	5.09043	5.28565	5.72366	6.20237	6.66755	6.35177	5.89608	5.72175	5.95676
CCNT2-AS1	5.75923	5.95225	6.05574	6.58567	6.73414	6.08196	6.21503	6.34681	6.82574
MAP3K19	4.06904	4.27794	4.17996	4.50903	4.89144	4.97729	4.3064	4.32762	4.16401
LCT	4.77049	5.13817	5.03919	5.44157	6.11894	5.52056	5.19101	5.14868	5.50495
MCM6	7.33594	7.09143	7.75693	7.60737	5.47787	6.08169	7.15134	6.45677	6.55449
DARS	9.81759	9.70557	9.80088	8.73963	7.68791	9.36339	9.18004	8.7782	9.22342
CXCR4	6.9956	6.56996	7.92696	7.22872	7.46572	10.212	7.08679	7.10203	7.00922

NXPB2	4.76986	4.87456	4.63711	5.56581	6.24937	4.79385	5.20223	5.17796	5.14353
LRP1B	5.02291	6.08917	5.35147	5.15581	5.46738	5.2706	5.04397	5.08459	4.9972
GTDC1	7.95239	7.74337	7.80705	6.8646	6.18781	6.77508	7.63248	6.68737	7.25896
ZEB2	7.43731	7.15678	7.37086	5.90398	5.96753	5.72661	5.82024	5.96289	6.32302
RND3	8.44729	9.08899	8.24445	9.85009	8.84965	9.42758	9.24069	10.6775	10.029
RBM43	7.10641	6.91279	7.07637	5.88858	6.50137	6.00139	6.44116	5.68324	5.98502
NMI	7.64319	6.86793	6.9793	6.92627	4.642	6.55315	7.6962	5.81525	6.86734
NEB	9.44889	8.1024	7.11784	7.18186	6.26445	5.88209	5.58604	5.83085	5.75847
ARL5A	10.2092	9.83871	9.64429	9.29898	8.26062	7.56482	8.4489	7.77276	8.19471
STAM2	10.0474	9.70802	9.791	9.0099	6.90767	9.11883	8.9737	9.64544	9.68279
PRPF40A	8.75802	8.83351	8.72138	8.25377	5.5645	7.62173	8.84873	7.65961	7.93162
LOC100144595	2.912	3.0438	3.03769	3.46434	3.52214	4.26055	3.70737	3.2874	3.61348
CYTIP	5.91797	5.59537	6.04715	5.83061	5.69949	6.19178	6.02699	5.86913	5.767
CCDC148	4.37329	4.49376	3.96517	4.05338	4.34042	3.83897	3.67725	3.92768	3.94769
LY75-CD302	7.90465	8.13145	8.87393	6.46913	5.57749	5.20343	6.9538	5.68793	6.11695
DPP4	7.37178	7.30132	8.83461	5.94216	6.38189	5.71202	6.62312	5.45815	5.54612
GCG	4.3322	4.18838	4.09543	4.52437	4.70494	4.48315	4.13706	4.26321	4.19899
IFIH1	7.63287	6.88907	6.50584	6.07143	5.4916	5.94816	7.00555	8.10583	6.17479
FIGN	5.84705	5.77143	6.02893	5.29431	5.57202	5.282	5.54165	5.3925	5.32416
GRB14	5.44688	5.84882	5.43933	4.89083	5.58115	4.85246	4.34138	5.05066	4.62748
COBLL1	8.56245	8.3479	8.30744	8.15127	6.17429	6.82575	7.78749	7.25756	8.35286
GALNT3	7.01014	7.36128	6.55965	8.30506	5.72112	8.0859	7.98683	8.46962	8.57084
LOC100506124	7.49767	7.16798	7.15933	5.51763	5.39165	4.8602	5.13472	5.65145	5.2242
TTC21B	8.71615	8.88132	8.61409	6.39627	4.8702	5.46775	6.22634	6.03188	5.87325
STK39	10.0332	10.052	9.84509	10.0163	8.37098	10.2968	10.2603	10.2124	10.3932
LRP2	4.24728	4.29417	4.3735	4.76205	5.93719	4.97794	4.71005	4.85335	4.75554

FASTKD1	7.16801	7.11034	7.08601	6.93659	5.77669	6.51937	7.15882	6.21315	6.12509
CCDC173	4.12246	4.36629	4.05305	4.20886	4.66684	4.49786	4.37927	4.21613	4.55703
METTL5	6.46795	6.87465	7.10868	6.94847	6.3623	6.35615	7.59303	6.62283	6.45816
LINC01124	5.72474	5.51937	5.94262	6.43212	6.31539	7.17972	6.36084	6.59483	6.6826
TLK1	10.0883	9.86067	9.98239	9.53421	7.7894	9.42761	9.72829	8.9485	9.70007
METTL8	8.61805	8.31396	8.41858	7.51615	6.91395	6.88269	8.1783	6.50287	6.82632
DLX2	6.43508	6.9535	6.20218	7.14951	6.34103	6.7838	7.46084	6.72392	6.42661
RAPGEF4-AS1	4.80079	4.68037	4.92936	5.1767	5.2081	5.09231	5.03475	4.76787	4.96999
MLK7-AS1	4.15475	4.33279	4.3054	4.73602	4.71449	5.42632	4.88381	5.11336	5.37195
SP3	8.30705	8.39511	8.4236	7.84248	6.24644	7.83584	7.97625	7.4504	7.74098
OLA1	9.16677	9.05892	9.46352	8.39808	7.35669	8.20968	8.5194	8.56468	8.6229
GPR155	8.77293	8.80586	9.16995	7.5936	6.44865	6.90742	8.5987	8.08298	6.62534
CHN1	6.94677	5.90509	6.59006	6.6052	6.02042	5.77563	6.16321	5.8728	6.07571
atf2	9.29729	9.32053	9.29763	8.43471	6.92241	7.39326	8.11206	7.93224	8.16737
MIR933	6.16401	5.49778	6.24006	6.60064	6.74917	6.74215	6.42865	6.22728	6.81726
LNPk	8.95906	9.30623	9.15313	8.87479	7.91874	9.53388	9.22289	9.21558	8.91188
EVX2	5.84561	5.72904	6.08619	6.90433	7.1169	7.28808	6.72953	6.7639	6.47156
HOXD-AS2	5.26113	5.15485	5.45647	5.84621	6.25897	6.13131	5.50508	5.62775	5.82998
Haglr	5.78349	5.47667	5.8514	5.97658	6.50105	5.99184	5.73553	5.74666	5.70498
MIR1246	4.6177	4.64431	4.66241	4.96313	6.07176	5.40673	4.74778	5.89226	5.45704
LINC01116	5.08455	5.19324	5.61693	5.73609	4.97273	5.38238	5.22491	5.323	5.01163
NFE2L2	9.73796	9.271	9.23536	8.18571	6.71031	7.88423	8.61651	8.41494	8.52816
LOC100130691	6.02444	6.31197	6.13373	6.14885	6.46299	5.21904	5.94599	5.48453	5.86416
TTC30B	6.08133	5.40697	5.45975	5.00589	4.52297	5.06964	5.91597	4.89291	4.66188
PDE11A	3.90536	4.09951	4.12857	4.36674	4.74762	4.19705	4.18847	4.01437	3.80918
FKBP7	6.92132	6.59701	7.08641	6.75814	5.28096	4.88734	6.28365	5.62163	5.92675

CCDC141	4.16377	4.27791	4.52583	4.6276	5.3862	4.46633	4.84285	4.74044	4.58307
SESTD1	8.09243	7.56677	8.02326	7.16569	4.76303	6.09752	6.96184	8.59714	6.98153
ZNF385B	4.45621	6.3313	4.90617	5.53515	5.66799	5.86095	5.93134	6.62072	7.49569
MIR1258	5.07518	5.43804	5.16522	4.96342	5.11822	5.16562	5.05528	5.29308	4.87571
CWC22	7.70209	8.028	7.67793	7.15037	4.39968	7.92898	7.69231	7.36004	7.63082
CERKL	4.08987	3.91766	3.75666	4.69734	4.85377	4.9296	4.36888	4.67478	4.40659
NEUROD1	4.63057	4.89401	4.89807	5.82933	5.4462	5.53094	5.7147	5.45594	5.44948
FRZB	7.38617	7.52574	7.9723	5.85359	5.51388	5.52389	5.27202	5.39735	5.28018
NCKAP1	11.1359	11.0277	11.3031	10.8331	8.84444	10.8066	11.0461	11.1185	11.012
CALCRL	8.74674	8.41699	9.32987	7.97192	5.64174	7.08067	8.40102	8.44524	8.03644
TFPI	6.49921	6.36148	7.57769	6.08198	5.67835	5.47429	6.20353	5.81253	6.00142
DIRC1	3.20018	3.54624	3.24154	3.6817	4.86428	3.41937	3.29528	3.37992	3.29337
MIR3129	3.4229	2.86041	2.75262	3.49823	2.52784	2.86553	2.28045	2.88375	3.2341
ORMDL1	9.63604	9.82202	9.34495	8.3187	6.09862	6.54091	7.9915	7.46767	7.40242
MSTN	5.07843	5.04986	4.9617	4.69171	5.27747	3.8854	4.29746	4.14092	4.12857
HIBCH	8.45453	8.02391	7.96514	7.07922	5.86299	5.52297	7.29383	6.37714	6.01377
NEMP2	7.77763	7.33544	7.99125	6.26912	6.91993	5.81239	6.61836	6.85631	6.43919
STAT4	6.18714	6.00185	6.37553	5.41429	5.40904	5.06349	5.05103	5.33078	5.92981
SDPR	6.23495	6.72197	7.40922	5.892	6.0558	5.49709	6.12338	5.77693	5.42322
TMEFF2	3.44546	4.30791	4.24003	4.26706	4.70226	4.8102	4.04699	4.29744	4.10546
STK17B	7.79189	7.61678	7.64872	6.61003	4.66104	5.90834	7.36654	7.85343	6.90538
LOC100130452	3.7205	3.58138	3.53463	4.01118	4.79616	4.09882	3.82416	3.59882	3.54933
C2orf66	6.7616	6.26948	6.17186	5.64464	6.50043	5.15179	5.63105	5.77972	5.50723
PGAP1	9.51151	9.67059	9.47792	7.49184	5.16071	6.94818	7.9777	7.69353	7.08291
ANKRD44	6.9606	7.19224	7.05006	5.20717	5.09401	4.74172	5.375	5.2967	4.94213
HSPD1	8.4522	8.5766	8.56292	8.67546	7.96626	8.39898	8.41605	8.30714	8.28207

RFTN2	7.19505	6.54716	6.76993	5.65703	4.9902	6.24336	5.55014	5.36252	6.40442
SATB2	6.87461	6.94197	6.81235	6.56039	6.70613	6.57075	6.74205	6.96003	6.74006
FTCDNL1	5.8812	5.81397	6.22935	5.75237	5.83868	5.7042	5.78808	5.77902	5.31866
TYW5	7.29599	7.07161	7.25407	6.73114	5.76373	5.64202	6.94383	6.22744	6.51941
KCTD18	7.40424	7.15086	7.48638	7.12356	5.67697	7.27667	7.45681	6.86387	6.5132
LOC100507140	5.25805	5.05296	4.78787	5.53118	5.72769	5.32636	5.47835	5.65338	5.72207
CLK1	9.55389	9.17702	9.22087	8.72396	7.77701	9.61217	8.70927	9.9682	9.211
PPIL3	7.27797	7.2781	7.0976	6.21172	4.98566	6.20117	7.00259	5.43526	6.11764
CFLAR-AS1	4.69523	4.7133	4.68268	5.1101	5.08632	5.99337	5.29867	5.4367	5.05912
TMEM237	9.10706	9.51773	9.33491	8.04508	6.18417	7.12586	8.31442	7.37637	7.59475
ALS2	7.48748	7.61309	7.29004	6.48166	6.35521	5.58833	6.75504	6.88032	6.66241
SUMO1	5.91149	6.38336	5.64336	5.43671	6.0371	6.10617	5.76579	5.85559	5.4517
WDR12	6.92037	6.98002	7.05347	6.97868	5.01841	6.27959	7.28378	6.00678	6.02192
RAPH1	9.31628	9.29743	9.65493	8.078	6.00256	9.70595	8.72729	9.44311	9.76736
gpr1	7.20815	6.56831	6.72302	6.91577	5.27455	5.8871	6.92285	4.79626	5.9598
DYTN	4.42017	4.91133	4.6279	5.06531	5.50637	5.23116	4.52623	5.03779	5.09035
KLF7	9.1707	8.40892	9.45993	9.28399	6.82777	8.86384	8.78637	9.44329	9.81748
MIR2355	5.06144	4.35614	4.99506	5.50269	4.39582	4.39582	3.9995	5.72366	5.75873
MIR1302-4	2.416	2.82143	2.89096	2.18128	4.97768	2.32943	2.52483	2.72437	3.3573
METTL21A	5.93876	5.64861	6.2023	5.93732	6.15875	5.85119	6.00002	5.49948	5.9522
FZD5	6.87689	7.18362	6.83545	7.57864	6.79358	7.77716	8.48495	7.10724	7.76118
C2orf80	4.06507	4.44004	4.39404	4.7038	4.79224	4.9481	4.45931	4.56406	4.75547
KANSL1L	7.3016	7.71458	7.23583	6.02539	5.76035	5.92189	6.15861	5.40184	6.17895
LANCL1	9.12545	9.04242	8.98359	8.26347	6.16234	7.37689	8.63417	7.17729	8.16575
ERBB4	5.64853	5.57399	5.4925	5.62154	6.10005	5.7729	5.16526	5.5918	5.6144
MIR548F2	3.59109	3.98903	4.32003	3.23895	2.88945	3.25216	3.1779	3.95793	3.2711

IKZF2	7.15416	5.36032	6.29126	5.29285	6.16258	7.13035	5.82265	5.50252	5.67946
LOC100130451	4.39399	4.74768	4.22971	4.59448	5.54909	5.00327	4.56636	5.26998	5.0037
BARD1	7.37966	7.44168	7.89597	7.0308	5.1952	7.15785	6.74726	7.5486	6.54268
FN1	10.6831	8.47785	10.1079	10.2051	7.23884	8.46213	9.35735	11.9046	10.0907
LINC00607	5.45833	5.00687	5.52462	5.55485	6.03317	5.49767	5.0187	5.8143	5.38468
MREG	7.84412	7.85915	7.4893	7.85833	6.53506	8.52297	7.80448	7.06374	8.08177
PECR	5.9256	5.94116	5.65866	5.28605	4.98938	4.81202	5.12334	5.22878	5.12137
IGFBP5	9.20091	9.32751	9.70059	7.66411	8.47918	7.29751	7.91368	8.46279	7.9773
TNP1	4.84841	4.91288	4.99127	5.47832	4.46944	6.19603	5.3117	5.72053	5.72089
DIRC3	5.51659	5.32499	5.65315	5.82646	6.09386	5.44165	5.04077	5.70731	5.2704
TNS1	7.9742	7.78728	8.43913	6.33619	6.04076	6.26982	6.65893	6.73938	6.96617
CXCR2P1	5.81443	5.66543	5.59437	5.57336	6.44709	6.17782	5.78595	5.89526	5.76699
CXCR1	6.71397	6.90384	6.57459	7.56519	7.52809	6.8991	8.01696	7.65022	7.88156
TMBIM1	7.97071	7.8673	7.99065	8.1427	7.45851	8.54998	8.34768	8.85217	8.7113
USP37	7.993	8.0381	8.07572	7.09204	6.45018	7.94322	7.46044	7.97651	7.32476
ZNF142	8.2955	8.14326	8.22995	7.84094	6.63526	7.0692	8.0821	7.33369	7.58542
rnf25	7.64497	8.10345	7.59831	7.95882	7.49814	7.41815	7.90581	7.17346	7.6243
FEV	5.30313	5.45459	5.54928	6.61979	5.76967	6.83152	5.79454	5.9593	6.16572
MIR375	6.27864	6.14253	6.33334	8.06808	6.18301	7.75496	7.88068	7.26228	6.93046
CFAP65	5.74106	5.98522	5.77474	6.46035	6.7377	6.72408	6.1711	6.38332	6.56667
IHH	5.00861	5.21786	5.55834	5.57456	5.45584	5.97765	5.38208	5.7671	5.62755
CNPPD1	8.12672	8.11787	7.99545	8.77726	7.37366	9.11545	9.22299	8.35149	8.96987
atg9a	8.79801	8.52921	8.73328	8.83329	7.73396	9.42419	9.3144	9.34378	9.11737
MIR153-1	3.71969	3.49794	3.4585	4.087	4.32214	4.48493	4.12589	3.75093	3.91237
RESP18	4.95757	4.8632	4.76385	5.10891	4.70971	5.6707	5.07635	5.14758	4.95679
DNPEP	7.85765	8.03574	8.00105	8.06557	7.25593	8.0661	8.25219	7.32168	7.50851

CHPF	6.95998	6.66809	7.13974	7.71317	7.06828	8.05634	8.36825	7.87234	7.7239
MIR3132	5.88798	5.81813	6.11079	5.96425	7.73681	6.83934	6.43739	6.89574	6.41584
OBSL1	6.70478	6.55896	6.62761	6.84838	5.778	7.01684	6.87788	6.27623	6.32448
MIR4268	6.58554	6.37691	6.72295	7.60063	7.00319	7.53677	7.06688	7.21942	6.84935
EPHA4	8.74943	8.5601	8.30232	7.38794	6.60131	7.14791	7.35187	6.38645	6.96009
PAX3	6.57435	6.41045	6.47803	6.07833	6.9785	5.92533	5.66485	5.7397	6.03373
SCG2	4.69269	5.19725	5.4795	5.65703	5.1701	5.23069	4.99701	4.81489	5.12304
WDFY1	8.44933	8.26919	8.16879	8.02327	6.82041	7.80633	8.36345	8.12679	7.66391
FAM124B	6.9453	6.01305	6.23793	6.28488	6.99705	6.14562	5.62137	5.83181	6.55922
CUL3	9.90567	9.67616	9.3998	9.09805	7.8997	8.71277	9.2429	9.38833	9.02973
dock10	7.96579	7.42393	7.98435	7.03385	5.90274	5.89082	6.33268	5.93702	6.14327
MIR4439	3.04736	2.64917	3.22621	2.47393	3.23722	2.7885	2.63501	1.97198	2.33886
IRS1	6.09728	5.81266	6.03694	6.67536	6.13344	6.60735	6.61231	6.32054	6.26462
TM4SF20	3.15442	3.41433	2.56265	4.16254	3.40029	3.90356	3.34056	3.52171	2.79857
C2orf83	3.71296	4.09371	4.07723	4.4809	4.85419	4.43211	4.00094	4.80823	4.64134
PID1	5.24921	6.26098	5.87179	4.59584	4.96191	5.33203	5.20927	5.10931	5.60805
DNER	6.75273	8.2902	7.6961	6.7814	6.53404	6.03983	8.11197	6.51055	6.86776
TRIP12	9.87594	9.60681	9.72692	9.28917	7.29345	9.68855	9.66453	9.9999	9.96844
SP110	7.98022	7.40594	7.23714	6.45835	6.38148	6.16893	7.02183	6.6573	6.77232
LOC151475	5.12133	5.01389	5.07895	5.46358	5.45156	5.62416	5.02518	5.72156	5.34263
SPATA3-AS1	4.59114	5.12174	4.77254	5.13618	5.74053	5.04548	4.91323	4.98	4.82674
NCL	9.14264	9.2406	9.38746	8.72626	6.46912	8.0345	8.59203	7.85638	8.2366
NMUR1	6.29608	6.51025	6.41099	6.53412	6.95493	6.69866	6.37109	6.6967	6.63441
MIR1471	3.25827	2.78235	3.55756	3.83313	4.00594	4.193	3.82114	4.71258	4.14057
NPPC	7.12897	6.30232	5.77218	6.10766	5.47332	6.14969	5.86786	5.71986	5.59383
ECEL1	6.05111	6.25428	6.44811	6.75047	6.60573	6.90268	6.35363	6.58441	6.73835

TIGD1	8.19854	8.29383	8.65527	7.24644	5.99435	6.32255	7.34781	6.0691	6.37692
NGEF	7.10119	7.17677	7.21421	7.12934	7.30697	8.2718	6.86732	7.18495	7.27417
USP40	7.72481	7.68905	7.87506	6.32356	5.83941	5.98971	6.53201	5.8567	6.44871
HJURP	6.85718	6.43024	6.52573	6.76061	6.93187	6.92106	6.74474	6.81073	6.68166
MSL3P1	4.92594	5.69101	4.91683	5.0164	5.12396	4.01725	4.85242	4.24771	4.07599
ARL4C	8.02388	8.96747	8.75413	9.01365	5.64225	6.90653	8.58996	7.39111	6.75486
GBX2	5.77611	5.85888	5.79407	6.73091	5.96258	6.91002	6.30266	6.39362	6.24526
ASB18	4.5592	4.97283	5.19953	5.41839	6.41299	5.61046	5.39631	5.34239	5.34759
ILKAP	7.73995	7.50669	7.46719	6.49911	5.86046	6.8225	7.04542	7.1859	6.95004
LOC151174	5.02775	5.21117	4.97542	5.53104	5.60226	6.04076	5.71172	5.5361	5.62986
HES6	5.64274	5.63731	5.6807	6.72132	5.97757	6.74743	6.68442	6.64616	6.56146
PER2	8.21192	7.67487	8.61644	8.07896	5.97089	8.42778	8.46817	7.53879	7.87379
LINC01107	5.84859	5.28177	5.86414	6.30481	6.77738	6.44146	5.95304	5.86876	6.04479
FLJ43879	5.02332	5.36714	5.13399	5.91284	6.31374	6.02168	5.80031	5.83062	5.58692
HDAC4	7.18137	6.78372	6.88377	6.95806	6.24492	7.25691	7.03109	6.78012	7.29528
MIR4440	8.38045	7.9857	8.07759	7.82058	10.1561	7.34383	7.61136	7.91452	8.39773
MIR4441	6.69889	6.3833	6.00156	5.58023	7.47851	5.35553	5.62894	5.57316	5.98053
MGC16025	6.18463	6.08742	6.19695	6.2555	6.38707	6.57027	6.08536	6.83513	6.80105
MIR2467	6.75698	6.85054	6.95557	6.9915	8.32707	7.16045	6.4747	7.61021	7.23817
MIR4786	6.78218	6.94284	6.86752	7.29212	7.77766	7.39047	6.87555	6.72984	6.79619
PRR21	4.55758	4.98219	4.73069	5.32175	6.90713	5.32271	5.20014	5.08589	5.22332
COPS9	6.84176	7.00506	6.79984	7.45879	7.11263	7.39864	7.02592	7.31422	7.45297
OTOS	5.39082	5.61951	5.56849	6.13181	5.8631	6.30089	5.44458	6.00454	6.45344
ankmy1	6.50833	6.90837	6.57569	6.00813	6.27911	6.32309	6.1235	6.1778	6.26892
AQP12B	6.02828	6.00567	6.06353	6.28821	7.29285	6.71926	6.56464	5.9701	6.18919
KIF1A	5.77769	5.77062	5.64344	6.13886	6.09778	6.00693	5.86635	6.05835	5.73089

C2ORF54	7.11501	6.94971	6.94036	7.42624	7.10501	6.91271	7.49578	7.45195	6.76973
MTERF4	6.45981	6.70228	6.53371	5.41726	5.49223	5.74778	6.06071	6.10554	5.87308
PASK	7.30112	6.90594	6.95141	6.88635	7.01448	6.51353	6.45696	6.76042	5.97199
HDLBP	9.74696	9.94289	9.69038	9.64474	8.57271	9.51035	9.53264	9.77669	9.97558
STK25	7.43221	7.09505	7.24305	7.76988	7.26249	7.64001	7.67986	7.34527	7.77707
BOK-AS1	6.21931	6.21107	6.17568	7.0435	7.15814	6.99522	6.71924	7.01398	6.41613
THAP4	7.45268	7.50669	7.46017	7.72584	6.43355	7.44022	8.17268	7.19932	7.682
DTYMK	6.8805	6.33898	6.68626	6.64775	6.07575	6.23534	6.92344	6.10207	5.98895
PDCD1	6.70952	6.5054	6.81616	7.23172	7.23632	7.81762	6.98684	7.20636	7.27961
SOX12	6.89052	6.99796	6.68249	6.8224	6.79892	6.28	6.14019	7.04266	6.6712
NRSN2	6.69026	6.60506	6.66199	6.71979	6.3879	6.62034	6.67789	6.79618	6.74988
TRIB3	6.92422	6.68141	6.83754	7.09965	6.5967	8.42094	7.33157	7.26062	7.29726
RBCK1	8.61725	8.23254	8.30111	7.95696	8.29572	8.68562	8.4285	8.19667	7.88968
C20orf202	6.13127	6.43275	6.44394	6.61765	6.56685	6.84049	6.39517	6.32354	6.37643
RAD21L1	3.51667	3.57393	3.55418	3.91719	3.91419	3.79277	3.51708	3.70255	4.02889
SNPH	5.42865	5.69727	5.32204	6.23326	6.1338	5.89023	6.39705	6.26604	5.77791
SDCBP2-AS1	6.39646	5.98382	6.35272	6.74517	6.7244	6.65735	6.51901	6.62227	6.26496
SIRPA	8.84516	8.67231	8.62609	9.01523	8.08779	9.52126	9.43301	8.63541	9.16347
STK35	7.0447	7.10616	7.22279	7.37162	6.93535	7.69702	7.61567	7.8566	7.66809
TGM6	5.70244	5.96088	5.67971	6.31838	6.5549	6.26655	5.94418	6.23741	6.00417
TMC2	5.199	5.26791	5.12775	5.18968	6.96118	5.77698	5.62765	5.60728	5.68164
EBF4	5.97837	5.87788	5.66158	5.69376	5.60699	6.36383	5.96494	5.767	5.89127
C20orf141	6.38102	6.35692	6.14074	6.63895	7.22615	7.03412	6.65596	7.11222	6.61712
TMEM239	5.87063	6.0163	5.97386	6.84716	7.2095	6.66004	6.57179	6.47305	6.48203
gnrh2	6.76013	6.82065	6.88092	7.3125	7.84774	7.26567	6.90344	7.22412	7.06775
MRPS26	7.31391	7.3771	7.47208	7.93123	7.31885	8.12385	7.9388	7.93769	7.56177

UBOX5-AS1	5.57275	5.71812	5.80017	5.8582	7.26386	6.22004	5.76164	5.76892	5.92513
ITPA	7.71959	7.65209	7.5898	7.49531	7.18299	7.18299	7.71849	6.89159	7.43219
ATRN	8.71929	8.71448	8.9549	8.43268	6.77509	8.15095	8.49104	9.2455	8.8696
HSPA12B	6.56412	6.64179	6.73538	7.10271	6.86825	7.54352	7.26778	7.20836	6.85601
cdc25b	8.71539	8.54589	8.31007	9.04463	7.32788	8.03598	8.81161	8.02497	8.26413
MAVS	8.42535	8.75011	8.42851	7.71852	6.79616	7.81827	8.32617	7.90976	7.91746
PANK2	7.33336	7.40122	7.38513	7.95847	6.61175	8.1384	7.97731	8.1746	7.73148
Mir103a2	4.92443	4.44792	5.09161	4.7751	4.9193	4.61703	5.3866	4.6209	5.19924
SMOX	8.44243	7.36102	7.28142	8.8409	7.33024	10.5767	9.10023	9.60294	9.56935
LINC01433	6.70737	5.98245	6.28837	6.48993	6.88115	6.45035	6.17006	6.94969	6.97572
PRNP	9.60274	9.12195	9.45441	10.9212	8.95886	10.6201	10.3958	10.2026	10.1798
PRND	5.99613	5.51601	5.70226	6.66909	6.52103	5.98637	6.0267	6.46745	5.858
PCNA-AS1	6.0468	5.9632	6.25217	7.62141	6.98744	7.16469	7.20591	6.95269	7.14802
CDS2	8.24163	8.14876	8.49596	8.28121	6.84033	7.65622	8.32212	7.96642	7.97972
LOC643406	4.80123	4.91137	4.58461	5.77272	5.76303	4.77267	4.91207	4.74409	5.02995
CHGB	5.18627	5.16559	5.02768	5.6837	5.92031	5.4984	5.24886	5.62117	4.93875
MCM8	7.69256	7.949	8.07897	6.37767	5.0187	5.3306	6.14621	6.31085	5.9055
CRSL1	7.57594	7.82038	7.87053	8.05624	6.58964	7.31956	8.23396	7.42231	7.05407
BMP2	7.02595	7.34355	6.48216	7.66375	7.80212	10.6812	9.81057	8.87479	7.92504
ANKEF1	6.61975	6.81915	6.86699	6.49175	5.06646	6.45031	7.06185	5.57817	6.27006
slx4ip	8.13007	7.80644	7.47496	6.8563	6.80185	6.18296	6.58148	6.17877	6.99469
BTBD3	7.53623	7.94286	7.55162	6.48109	5.74377	6.26563	6.63058	6.55469	6.64789
ISM1	7.91349	8.30328	8.68169	7.60493	7.48536	7.66088	8.30937	8.15805	7.52607
MACROD2	5.75578	6.07712	5.57341	4.90005	5.35353	5.02051	4.39541	4.64971	4.53211
SNRPB2	8.96595	9.15275	9.40417	9.22466	7.91622	8.9974	9.26602	9.16231	9.4717
OTOR	3.92866	4.12828	4.09274	4.3916	5.59203	4.46725	4.47138	4.39747	4.19172

pcsk2	7.67538	7.18317	7.05865	6.75776	6.98884	6.18592	6.52947	6.47703	6.41676
DSTN	8.6324	8.06975	8.23959	8.47785	7.43389	8.60061	9.02634	8.96021	8.80586
BANF2	4.81854	5.08995	4.99833	5.21795	6.02811	4.87554	4.89345	5.17346	5.31199
Pet117	5.69568	6.19505	6.11059	5.66567	6.03637	6.26772	6.10128	6.12113	6.16375
KAT14	7.3292	7.95745	7.7032	6.56281	6.21037	6.19183	7.00644	6.00232	5.80032
ZNF133	5.98066	6.6115	6.18673	5.3285	5.1606	5.22677	5.63141	5.54948	5.91791
LINC00851	4.79426	5.08799	5.1336	5.30907	5.60335	5.27774	4.95839	5.15249	5.14275
MIR3192	7.15424	7.51025	7.51219	5.80327	6.60887	6.90798	6.74896	6.79829	6.31846
SEC23B	8.84521	8.80882	8.72455	9.17354	7.24544	9.41405	9.73352	9.36076	9.75522
LINC00493	6.24914	6.28145	6.31065	7.40865	5.18351	7.3429	7.87369	6.70681	6.56777
DTD1	7.99749	8.15195	8.51561	8.47931	7.04891	8.94552	8.88154	8.29161	8.7044
LOC100270804	5.0555	5.28648	5.06283	4.21243	6.05123	5.37785	4.84982	4.71055	4.7486
SCP2D1	3.4947	3.38948	3.7242	3.95075	4.11002	3.71987	3.68952	3.98634	3.38605
rin2	9.66049	9.23603	9.7239	8.67308	6.82161	7.94667	9.41853	8.56527	8.66076
cfap61	6.08627	5.683	5.73654	5.65067	6.23074	5.63566	5.68246	5.63008	5.75755
INSM1	6.34474	6.39395	6.2198	6.97722	7.12263	7.05637	6.7106	6.97825	6.93252
KIZ	8.20904	8.08018	7.95861	6.95131	5.99897	6.13866	7.1324	7.14936	6.98521
XRN2	8.67184	8.08731	8.51922	8.02866	4.76269	7.10638	8.12494	7.3191	7.81528
NKX2-2	4.99259	4.82275	4.71868	5.6745	5.51531	5.84254	5.22492	5.22462	5.49644
PAX1	5.87091	5.69301	5.84226	6.49466	5.97621	6.70763	6.03665	6.51964	6.37217
LINC01432	5.30929	5.44508	5.19876	5.47649	5.9872	5.4547	5.37631	5.07088	5.26967
SSTR4	5.78061	6.05301	6.02725	6.34119	6.25177	6.90674	6.38871	6.77048	6.50913
NXT1	6.60163	6.64645	6.54858	7.3957	6.28272	6.82611	7.41125	6.65882	6.62255
GZF1	6.42384	6.37041	6.15634	6.52507	5.61461	7.06647	6.33878	7.05062	6.04447
CSTL1	4.18199	4.9389	4.26456	4.39275	5.5781	4.65349	4.38524	4.67449	4.54853
CST8	5.40083	5.4234	5.63496	5.1216	6.53678	5.50265	5.17841	5.49869	5.62777

CST13P	4.30188	4.82264	4.35042	4.86159	5.4107	4.70067	4.76201	4.42367	4.5337
FLJ33581	5.01075	5.1746	5.2395	4.91176	5.92888	5.23525	4.94581	5.46531	5.12458
SYNDIG1	6.02078	6.18185	5.7798	5.97613	6.56308	6.59504	6.36359	6.08469	6.09928
CST7	6.2685	6.66151	6.62349	6.84981	7.19927	7.36924	7.1654	6.87679	7.02558
ENTPD6	6.9059	6.61624	6.84376	6.96999	6.10995	7.00951	6.79602	6.65646	6.8343
GINS1	6.95188	6.8604	6.86506	6.92493	6.23261	5.89659	6.83655	5.88936	5.95223
LOC100134868	6.81018	6.71216	7.61465	6.38705	8.12285	6.49022	6.96226	6.10235	6.33516
REM1	6.42774	6.11203	6.27971	5.70662	6.08973	6.28034	5.8835	5.97157	6.21514
LINC00028	4.89335	5.28483	5.21016	5.28257	4.95965	5.27414	4.95617	5.57033	5.26224
HM13	8.32726	7.98295	8.23	8.32715	8.17125	8.31814	8.26282	9.48326	9.1031
MCTS2P	6.52433	6.42148	6.23673	6.3481	4.28199	3.92827	6.13941	7.34313	6.34572
MIR3193	5.17475	5.13412	5.23652	5.66762	4.83316	5.71161	5.41371	5.12965	5.68306
COX4I2	6.12847	5.85105	6.16254	6.91755	6.55737	6.80776	6.56017	6.6634	6.44633
MYLK2	5.7572	5.58362	5.16597	6.21126	6.19027	6.41499	6.38092	6.06091	6.0797
CCM2L	6.32827	6.43716	6.67153	6.60217	6.27789	6.89379	6.7612	6.73908	6.6525
HCK	6.49566	6.27561	6.49992	7.24162	6.22165	7.38563	7.15386	7.34401	7.16816
TM9SF4	10.2428	10.126	10.0083	9.99447	7.63366	9.43616	10.1192	9.27665	9.91474
POFUT1	7.09032	7.12915	7.3125	7.15474	6.0944	6.27307	7.26084	7.03741	6.34732
KIF3B	7.76224	7.90823	7.80437	7.60924	6.71362	7.38282	7.93433	7.44024	7.40526
ASXL1	7.50521	7.04741	7.46308	7.12602	6.80374	6.81866	7.253	6.86664	7.17954
LOC149950	5.6226	5.69905	5.84167	6.04136	6.40928	6.19069	6.10554	5.80131	5.96074
DNMT3B	7.89593	6.94204	6.9223	7.2554	6.52731	6.8645	7.21627	7.39557	6.63011
C20orf144	6.3154	6.43712	5.98988	7.22798	6.09575	7.54773	7.18365	6.85204	6.80219
ACTL10	6.16045	6.22066	6.00438	6.76235	6.41206	6.56278	5.83342	6.12264	6.46782
ZNF341	6.78816	6.84638	6.58983	6.96509	6.79939	6.57962	6.94563	6.57001	6.67403
CHMP4B	11.1264	11.1306	11.1076	11.388	10.1557	11.5396	11.9542	10.9985	11.3194

MIR4755	4.5904	4.32355	4.63354	3.27569	3.32047	3.66114	4.63329	4.59698	4.39775
ASIP	5.04798	5.59588	5.80663	5.76921	6.1576	5.96654	5.75832	5.96039	5.63693
ITCH	9.74038	9.42764	9.70103	8.85448	8.02445	9.37635	9.42456	9.82644	9.7071
MIR644A	9.38294	9.12601	9.16324	6.77284	5.37949	4.16397	5.59213	8.29161	8.13506
MAP1LC3A	7.74901	8.0986	7.1637	8.03684	7.44994	7.75458	8.15709	8.7422	7.71924
TP53INP2	8.51078	7.87526	8.0461	8.57326	7.68648	8.45845	8.60256	8.33108	8.84344
ACSS2	7.33874	7.61891	7.49323	7.34363	7.29469	7.52424	7.62101	7.5789	7.6036
mir499a	4.85711	4.98776	4.65046	4.8086	5.14185	5.36198	5.06394	5.10356	5.35617
MMP24	5.21079	5.19684	5.39887	5.74716	6.07244	6.29424	5.61147	5.60405	6.11811
GDF5	5.16944	5.40401	5.36664	5.6818	6.28907	6.05641	5.91451	5.52194	5.67731
CEP250	6.13192	6.12488	6.05605	5.59919	5.77272	6.22789	5.79962	5.81456	6.00148
ERGIC3	7.98356	7.78075	8.07045	8.00913	6.35747	8.04774	8.03206	7.78516	7.90965
SPAG4	5.01764	4.99084	5.05001	5.91559	5.74647	6.39292	4.74662	5.74588	5.63077
ROMO1	7.74269	7.65717	7.89942	8.86989	7.85195	8.6621	8.48054	7.93669	8.42092
PHF20	7.09023	7.19498	6.94231	7.0844	6.09032	7.18625	7.17111	7.57426	7.02243
CNBD2	5.25307	5.39929	5.23889	5.34456	5.66632	5.45161	5.07484	5.17537	5.51618
EPB41L1	7.18092	6.7905	7.00728	6.71128	6.19167	6.84588	6.68684	6.44551	6.48566
c20orf24	7.95193	7.40456	7.80575	7.85123	7.25874	7.97799	7.94135	7.89153	8.24183
RPN2	9.6635	9.36353	9.68881	9.63055	8.33514	9.69458	9.80292	9.38324	9.6836
SRC	7.0326	6.89418	7.07395	7.29456	7.3638	8.2706	7.32492	7.77346	7.87718
NNAT	6.27141	6.15573	6.30634	6.29823	6.1137	6.37358	6.40469	5.90548	6.09023
LOC100287792	4.46262	4.88167	4.50432	5.07726	5.63801	5.48177	4.92219	5.13658	5.53755
VSTM2L	7.30813	7.44053	7.67499	8.1728	8.31355	8.14019	7.9195	7.99367	7.83722
RPRD1B	8.85032	8.51016	8.56954	7.59388	6.21612	7.03251	7.88743	7.39789	8.0346
BPI	4.44453	4.37291	4.35188	4.99935	5.69579	5.3495	4.91789	4.91022	5.17291
LBP	5.35906	5.07643	5.43863	5.68141	6.31556	5.84022	5.63136	5.76184	5.69476

MIR548O2	6.23458	6.34964	6.49311	4.07452	5.4146	4.57959	4.37257	4.70777	5.33419
ADIG	6.39371	6.73297	6.42767	6.43337	7.81628	6.73373	6.10702	6.53456	6.60812
ARHGAP40	7.96692	8.39342	7.34714	7.16189	7.16577	7.30819	7.07378	6.65696	7.04424
ACTR5	7.37763	7.16307	7.11742	6.87832	6.35766	6.37158	6.83986	6.65263	6.71199
DHX35	7.52894	7.52514	7.47448	6.36551	6.08667	5.46003	6.74165	6.06639	6.00609
TOP1	10.2777	10.2783	10.2126	10.1411	8.91254	11.3672	10.6173	11.1298	11.1578
ZHX3	5.93847	6.07637	6.37646	5.81944	4.44193	5.22704	5.49194	5.78425	5.68763
LPIN3	8.75565	8.28753	7.97483	8.7924	8.12559	8.60567	8.23821	8.16058	8.61742
SRSF6	10.28	9.61988	9.90813	9.92564	6.88395	9.2285	10.0864	8.62224	9.2375
L3MBTL1	6.17362	6.60573	6.51017	5.9686	6.1676	6.00404	5.82277	6.38448	5.95647
SGK2	6.11601	6.30475	6.03857	6.37503	5.7985	5.62856	5.87192	5.79375	6.45526
IFT52	7.17492	7.37036	7.75026	6.8958	5.70065	6.27001	7.29114	6.33002	6.31648
MYBL2	7.00841	6.95792	7.1455	7.99169	7.10752	7.9322	7.71129	7.62316	7.72256
TOX2	6.05391	6.34052	6.35797	6.57432	6.70833	6.90747	6.616	6.80884	6.70283
OSER1-AS1	5.92913	6.14462	5.5566	6.31072	6.22161	6.42499	5.95031	6.91838	6.52399
GDAP1L1	5.58901	5.69184	5.59004	6.34041	6.39959	6.26659	6.14636	5.91696	6.14666
R3HDML	4.54553	4.60082	4.83755	5.24817	5.59523	5.24042	4.86167	5.09834	5.24694
MIR3646	2.73959	2.65287	2.47228	3.58404	2.8422	2.95873	3.14713	2.6725	3.06877
TTPAL	8.5874	8.82194	8.14181	8.39471	7.62475	8.94272	8.81304	9.61822	9.37271
wisp2	7.35214	8.53839	9.16929	7.12584	7.97503	7.63439	6.80741	7.15515	7.45608
STK4	8.73063	8.72852	8.49843	7.85224	6.65336	7.78196	7.92038	9.06861	8.57841
SEMG1	3.54399	3.28943	2.99869	3.64171	3.73514	3.20686	3.23466	3.75882	3.62093
SEMG2	3.77803	4.15047	3.82627	4.02519	5.36647	4.05882	4.28444	3.79168	3.72468
RBPJL	6.0442	5.97246	6.10511	6.73596	6.29112	7.12879	6.92833	6.49956	6.54218
DBNDD2	7.82707	7.51721	7.71819	7.92891	7.57654	8.4755	8.43236	8.22206	8.44241
WFDC2	6.03105	6.02258	5.97285	6.16391	6.4081	6.267	6.10122	6.08039	6.02781

WFDC10A	5.23542	5.48059	5.65373	5.64099	5.86906	5.59512	5.22612	5.9673	5.43547
WFDC13	6.04575	6.28139	6.05637	6.25532	7.52542	5.9945	6.24878	6.44198	6.23508
UBE2C	6.44327	6.18312	6.32231	7.44746	6.97263	6.71489	6.83758	6.6461	6.66327
SNX21	7.44033	7.44121	7.27594	6.76784	5.87204	7.04532	6.95989	6.95832	6.8913
CTSA	10.9496	10.6405	10.4923	11.059	10.5998	10.4441	10.9273	11.105	10.9523
PCIF1	7.67938	7.81244	8.01017	7.77781	6.67691	7.84384	8.16631	6.9756	7.10883
EYA2	7.65962	7.83028	7.34051	7.01663	7.43573	7.39179	7.59922	6.6716	5.98076
MIR3616	4.2163	4.12451	4.18238	3.81447	3.83298	4.569	4.09231	3.86527	3.59662
LOC100131496	5.29798	4.89998	5.35107	6.3359	6.07721	6.03191	5.86233	6.23111	5.96045
NCOA3	10.175	9.99549	10.0162	8.73529	6.54293	8.78376	9.05058	9.49486	9.47087
SULF2	5.77985	5.78447	5.98422	6.78383	6.66717	7.05018	7.08923	6.53915	6.82109
LINC00494	5.22516	5.07108	4.72723	6.03918	5.74644	5.72458	5.34773	5.26162	5.8549
ARFGEF2	8.83149	8.99294	8.86525	8.29513	5.9532	7.83636	8.75308	7.89404	8.09388
CSE1L	10.5324	10.3656	10.5686	10.0162	6.46574	9.19316	10.1584	8.97379	9.64066
ZFAS1	10.0746	9.98165	10.0074	9.63187	8.57263	9.72573	10.1212	9.35292	9.72801
RNF114	8.73235	8.50155	8.77894	8.77185	7.17173	8.47538	9.2494	9.55798	8.2414
SNAI1	5.99331	5.48423	5.7704	6.63068	6.23089	6.31588	6.57236	7.65555	7.27615
MIR645	7.31704	7.33663	7.19629	5.80869	6.20471	5.27414	6.21008	6.92739	6.69797
PARD6B	8.42586	8.26204	7.85756	7.88438	7.0122	8.99757	7.96652	9.12859	8.79863
BCAS4	5.57853	5.12403	5.14774	5.90807	5.41347	6.58107	6.07563	6.24817	5.58392
MOCS3	6.65333	6.49312	6.85467	6.51459	5.79589	5.98629	7.18431	5.87293	6.00494
TSHZ2	8.15379	9.17026	8.30413	6.89092	6.18667	6.85508	6.90109	7.20564	7.28688
PFDN4	5.93244	6.37534	5.84277	6.26468	5.5095	5.63328	6.30175	6.0672	6.16987
DOK5	4.88241	4.01239	4.91949	4.59805	4.8027	4.09814	3.5661	4.18007	4.51843
MC3R	5.01941	4.72734	5.34856	5.81813	7.09752	5.4143	5.34856	5.26889	5.36832
cass4	5.69294	5.41563	5.5416	5.84242	6.0269	5.87395	5.47652	5.77393	5.85382

RTFDC1	7.35509	6.89354	7.10588	7.2636	6.39592	7.07028	7.28354	7.35783	7.32688
TFAP2C	9.47733	9.67308	9.16981	9.25462	6.98343	9.17505	9.66911	8.89295	8.9852
SPO11	3.6412	3.68528	3.56531	4.29594	4.82357	4.11616	3.84782	3.91465	3.8753
RAE1	7.09903	6.91352	6.98496	7.28503	5.95005	7.28951	8.06615	7.05672	7.77494
RBM38	6.51601	6.5523	6.37097	7.68722	7.38049	7.33731	7.31067	8.01387	7.59602
PCK1	4.97892	4.38063	4.91943	5.36842	5.25146	4.79605	5.20633	5.15312	5.01447
MIR4532	6.85567	6.41955	7.69188	6.67058	7.4598	7.32686	6.75183	6.88152	6.52414
c20orf85	5.22233	5.54458	5.97832	6.28824	6.55231	6.13	5.83095	6.26456	6.11977
VAPB	8.34557	8.59263	8.54954	8.42777	7.17037	8.63688	8.35942	8.58676	9.11138
APCDD1L-AS1	5.73536	5.86155	5.78306	6.03336	6.53748	7.60266	6.05699	7.90305	8.35777
STX16-NPEPL1	7.44665	7.65136	7.46385	6.92669	6.0834	7.42103	7.06528	7.19773	7.01238
GNAS	7.21879	6.95554	7.00517	7.19207	6.60348	7.33708	7.29572	7.22506	7.31524
NELFCD	8.98247	8.8743	9.01956	8.61122	7.2822	7.76379	8.96849	7.77767	8.3067
ZNF831	4.76171	5.51845	5.29274	6.00521	5.94518	6.06143	5.7408	5.56619	5.50241
EDN3	5.69774	6.09084	6.16684	6.65949	6.42913	6.81346	6.20068	6.32	6.49237
PHACTR3	5.62708	5.49182	5.40348	5.89121	5.8679	5.94264	5.65679	5.77337	6.02005
CDH26	6.95807	6.31868	6.57407	7.36501	7.46866	7.44759	7.79204	7.69739	8.18697
MIR646HG	5.80445	6.06206	5.97019	5.92319	6.31123	6.3519	5.64359	5.96676	6.13437
MIR646	6.91951	7.48122	6.84152	6.28754	8.80927	6.10157	6.07399	6.67675	6.9714
MIR4533	8.54497	8.70841	8.47768	9.54236	10.4222	9.49834	8.74283	9.28887	9.23605
MIR548AG2	2.99276	2.85162	2.80984	3.33778	2.4911	2.70793	2.32887	2.09705	2.99877
SS18L1	7.61777	7.47541	7.40535	7.65214	7.47138	7.5976	7.48588	7.50569	7.51016
mtg2	7.05143	6.95396	6.97105	6.84623	6.74691	7.1421	7.42694	6.64177	6.91253
OSBPL2	9.1868	9.40279	8.93248	9.00483	6.98012	9.61624	9.33255	9.53203	9.5132
ADRM1	8.39854	8.4283	8.47498	9.14567	8.17854	9.30056	9.23855	8.96465	8.96252
RPS21	7.50833	7.81648	8.02641	8.80199	8.01072	8.82239	8.92834	7.67163	8.08112

MIR1-1HG	5.22923	5.25961	5.04313	5.97312	5.66508	5.98015	5.60727	6.01915	6.03454
MIR1-1	2.74114	3.05908	3.02415	3.78042	3.45536	4.43062	4.30209	3.07657	3.62724
NTSR1	6.30242	6.30341	6.2089	7.04486	6.27377	6.88554	6.66707	7.07061	6.84329
MRGBP	7.48937	7.59616	7.63444	8.01192	7.57768	8.45558	8.56196	7.96617	7.99932
OGFR	6.72884	7.60681	6.95582	7.53875	6.23356	8.27138	7.71309	7.4247	7.01891
GID8	9.67637	9.60771	9.65672	9.99448	9.04799	10.5325	10.4735	10.0188	10.3567
LOC63930	5.46043	5.27549	5.62787	5.47122	6.25148	6.56048	5.59015	5.80885	5.80755
LINC00029	5.13838	5.16084	5.32406	5.98432	5.23885	6.30235	5.81538	6.02291	5.8744
HAR1A	5.43035	5.42286	5.38151	5.74906	5.83768	6.48311	5.98291	5.86297	5.5532
mir124-3	1.81865	1.86285	2.0425	1.76143	1.96989	2.79413	2.47112	2.11586	2.14479
BIRC7	6.90641	6.57165	6.85044	7.49294	7.71475	7.35267	7.26669	7.65868	7.32855
FLJ16779	5.67121	5.62182	5.82	5.95062	6.71708	6.36414	5.76787	6.09891	6.17102
ARFGAP1	6.79827	6.78318	6.67073	7.42992	6.65476	7.08376	7.24955	7.08085	6.98572
MIR4326	5.59865	5.33618	5.71395	6.98789	6.91308	7.19547	7.32521	6.82877	6.58144
ppdpf	9.94566	9.64049	9.85999	11.0167	11.0129	11.1574	11.0738	10.5442	10.8318
SLC2A4RG	8.15682	8.39196	8.53624	8.48771	6.9523	8.27371	8.77465	7.78189	8.13397
ZBTB46	6.72868	6.54239	7.00971	7.49784	7.85383	7.36777	6.92983	6.963	6.84037
ABHD16B	6.22634	6.33608	5.99504	6.71448	6.42792	6.88393	6.61842	6.66871	6.63893
TPD52L2	9.28043	8.98472	9.18676	9.53232	8.22118	10.5131	10.1262	10.0657	10.1806
MIR941-1	8.89914	8.7671	8.83533	8.86404	9.39095	8.93606	8.80482	9.72193	9.19658
UCKL1-AS1	5.48016	5.5209	5.55649	5.56963	5.34354	6.07305	5.26967	5.99529	6.1806
PRPF6	8.52165	8.7997	8.59389	8.25648	6.4636	8.10158	8.55814	8.23451	8.10766
LINC00176	6.31819	6.16839	6.06238	6.84683	6.80447	6.63364	6.14108	6.43951	6.37989
OPRL1	5.66319	5.66876	5.79607	5.83704	6.62765	6.3736	5.9247	6.00053	5.82308
MYT1	6.40507	6.36072	6.77686	6.60906	6.72207	6.95226	6.8479	7.00509	7.05853
PCMTD2	10.475	10.7236	10.2856	9.15787	7.15796	8.24026	9.06668	8.22912	8.51871

C20orf96	7.32118	6.90453	6.58932	6.24975	5.46167	5.91563	6.11386	5.9106	6.01409
TCF15	5.31672	5.94504	5.84206	6.47539	6.93014	6.72997	6.54715	6.32724	6.13853
SRXN1	8.48642	8.24582	8.21481	9.13754	7.69997	9.2594	9.49362	9.61209	9.27731
ANGPT4	5.92125	6.32814	6.59563	6.55179	6.94513	6.6825	6.43259	6.80996	6.68614
RSPO4	6.46327	6.44859	6.46259	6.81083	6.77533	6.67982	6.52586	6.81862	6.55505
TMEM74B	6.28994	6.86656	5.95277	6.53258	6.68017	6.23534	6.20684	6.42756	5.99252
NSFL1C	9.0555	8.65078	8.81768	8.8772	6.66962	8.91731	9.18876	9.20424	9.09692
SIRPB2	5.41081	5.66435	5.63855	5.40504	5.96885	5.62401	5.23238	5.37406	5.62427
Sirpd	5.17865	5.10605	5.01639	5.48059	6.54428	5.3149	5.1649	5.36129	5.28405
SIRPB1	5.39357	5.21935	5.78675	5.7408	6.55554	5.77545	5.62332	5.92983	5.72001
SIRPG	5.42787	5.41633	5.28718	5.61004	6.87531	5.56814	5.06311	5.51541	5.61594
LOC100289473	6.45681	6.86447	6.48456	6.65897	6.37321	6.86476	6.77021	6.55488	6.77774
PDYN	4.57825	5.06575	4.6569	5.05513	5.36621	5.43634	4.92151	4.99881	5.17582
SNRPB	9.18732	9.02245	9.74132	10.0407	7.34831	9.35655	10.0889	9.6474	9.9504
ZNF343	6.74068	7.06915	7.10494	6.37946	6.82177	6.14274	6.78229	6.24041	6.51625
IDH3B	8.08369	8.04683	8.31785	8.06352	6.647	8.07007	8.47737	7.57731	7.95684
PCED1A	7.81397	7.16678	7.30675	7.82677	6.58763	6.83294	7.61655	7.14203	7.52619
AVP	5.72288	6.00777	5.60527	6.80931	6.09316	6.66907	6.58379	6.46022	6.59085
UBOX5	7.61312	7.9077	7.53248	7.75302	6.82615	7.62404	7.68015	7.66067	7.45776
LZTS3	6.51418	6.58442	6.48603	6.76855	7.24256	6.98396	6.81231	6.72481	6.64024
DDRKG1	7.33236	7.62551	7.23692	7.4865	6.54603	7.54975	7.55747	7.42753	7.39913
c20orf194	8.92535	8.54327	8.77398	8.32016	6.95427	7.37299	7.96439	8.21167	8.60609
GFRA4	6.05733	6.15345	6.16627	7.01139	6.82651	7.14231	6.75818	6.97891	6.88527
ADAM33	6.73879	6.99913	7.03889	6.90808	7.23292	6.9704	6.9965	6.78803	6.76505
C20orf27	6.31632	6.32184	6.48349	6.90392	6.51797	6.70407	6.39333	6.58299	6.8438
SPEF1	5.20257	5.31031	5.32359	5.53877	5.39322	6.4047	5.49249	5.67753	5.99605

RNF24	8.51	8.80223	8.82484	8.5241	7.90332	9.44474	8.50023	8.81858	8.64324
ADRA1D	6.12688	6.21009	6.0184	6.81743	7.11489	6.68967	6.52385	6.27359	6.5005
PRNT	4.17427	4.5604	4.80015	5.00668	5.73407	4.82106	4.4436	5.04869	4.89537
RASSF2	8.3863	7.77359	9.50322	7.66906	6.28021	7.92091	7.44065	7.24699	7.56103
TMEM230	8.83777	8.87324	8.65929	8.97297	7.67329	7.89264	9.07879	8.50373	8.73916
PCNA	8.01047	7.74092	8.16772	8.95929	6.21971	7.9263	8.61168	7.68461	7.70772
PROKR2	5.90871	5.77551	5.73582	6.4756	6.52264	6.79691	6.54815	6.18537	6.30013
LINC00658	4.92993	5.10736	5.16502	5.39339	6.38964	5.28371	5.564	5.53792	5.3659
LINC00654	5.40131	5.62499	5.59351	5.47638	6.45921	5.77217	5.29737	5.71766	5.75
GPCPD1	9.726	9.06847	9.09133	8.34872	7.16344	8.93468	9.35404	9.98896	8.53494
TRMT6	8.41843	8.74076	8.72018	8.50715	6.93354	8.03335	8.9538	7.79153	8.29805
LRRN4	5.73582	5.42768	5.77576	6.02808	6.35153	6.37839	5.8184	6.44496	5.90782
FERMT1	9.28563	9.55606	9.3282	9.61063	6.17714	9.84905	9.07894	9.3385	10.2819
HAO1	4.41946	4.21433	4.15165	4.44483	4.63213	4.67176	4.23611	4.28277	4.39065
TMX4	7.46083	7.38771	7.83432	6.75143	5.96171	7.04773	7.62328	6.71981	6.87084
PAK5	4.84889	4.82845	4.96376	5.21769	5.49908	4.93786	5.09737	4.99497	4.57074
SNAP25-AS1	5.04159	5.20406	5.11742	5.30696	6.34235	5.54574	5.49624	5.48791	5.67318
MKKS	7.42219	7.30885	7.43213	7.15735	5.85161	6.47601	7.25822	6.42398	6.54204
JAG1	11.4824	11.6658	11.4322	10.4901	7.73228	10.0172	10.7066	10.9744	11.2343
LOC339593	4.43081	4.57248	4.55934	4.72868	5.30132	4.25198	4.74644	4.41379	4.61072
ISM1-AS1	5.89264	5.88963	5.86057	5.52248	6.74197	5.21086	5.54526	5.43343	5.4864
SEL1L2	4.75702	5.03337	4.68327	5.30129	6.00467	5.27466	4.80445	4.81907	5.18654
FLRT3	7.19396	6.28986	7.22362	7.46985	5.41624	7.55363	8.39425	7.77884	8.98989
MACROD2-AS1	4.87152	5.04956	4.76163	4.71477	6.09382	4.7197	5.1094	4.90551	4.42009
KIF16B	9.06749	8.92209	8.66912	7.76588	6.8801	8.08368	8.28301	8.32845	8.42986
RRBP1	7.82732	7.6812	7.59628	8.11667	7.0136	8.6078	8.36319	8.50435	8.04723

SNX5	8.43221	8.36951	8.45494	8.41456	6.64139	7.96034	8.33634	8.04603	8.34774
OVOL2	6.77952	6.65046	6.41684	6.52031	5.28066	6.5046	7.08655	6.21433	6.53145
DZANK1	6.06362	6.30548	6.654	6.23261	6.3113	6.11881	5.81576	5.73071	5.75088
RBBP9	10.0159	9.9068	10.4605	8.42973	6.58742	7.93205	9.2756	8.7001	9.1233
LINC00652	4.36192	4.65669	4.39545	5.23327	5.18928	4.83184	4.61133	4.69231	4.69739
C20orf78	4.81533	4.92067	4.60131	5.32629	4.9159	4.94125	4.86177	5.28188	4.91508
CRNKL1	7.75592	8.04957	7.83871	7.8145	6.25183	8.02742	8.02409	7.64841	7.71435
NKX2-4	5.79774	6.11048	5.87207	6.18051	5.85609	6.91886	6.20986	6.33545	6.56378
LINC00261	3.84788	3.89103	3.82238	4.48737	4.34616	4.65659	4.29892	3.92465	3.99639
FOXA2	6.38782	6.74988	6.65245	7.11346	7.0095	7.28677	6.88505	7.15315	6.99371
THBD	9.17805	7.842	8.40851	9.56396	6.31213	8.52887	9.43793	8.091	7.88373
CD93	8.76698	7.53368	8.6526	7.97584	6.81481	7.26354	7.57286	8.46472	8.22575
LINC00656	5.42787	5.3486	5.12345	5.74596	5.45299	5.82852	5.72668	5.62919	5.82713
CST11	4.25383	3.94489	4.12857	4.99128	5.0411	5.22797	4.81685	4.6209	4.74423
CST9L	5.51941	5.12126	5.35147	5.88112	6.40854	5.7356	5.40575	5.64814	5.73779
CST9	5.75639	5.64416	5.81722	6.01944	6.24698	6.19259	5.78884	5.76606	5.91622
CST3	9.58204	9.48956	9.66492	10.8102	10.4852	11.0594	10.9127	10.3399	10.5561
CST4	7.19865	6.75284	6.88353	6.00464	7.30439	6.52613	6.10927	6.84545	6.32204
CST1	2.39728	2.40028	2.69671	2.58879	2.76866	3.2096	3.06779	2.77807	3.06821
CST2	7.21283	7.13634	7.29866	7.33381	7.51466	8.55086	7.26494	8.3026	8.08459
CST5	4.87939	4.89911	5.05313	5.26466	5.65777	5.10069	5.85254	5.1533	5.05484
GGTLC1	6.82629	6.76637	6.83273	6.69991	7.1495	6.96756	6.73402	7.1545	6.80447
APMAP	7.50652	7.29694	7.15368	7.86488	6.13019	7.04563	7.61534	7.32205	6.89154
ACSS1	6.83102	6.31181	6.51429	6.68368	6.98369	6.25288	6.27823	6.37462	6.27175
vsx1	5.53416	5.39551	5.63217	5.58904	7.19911	6.59418	5.44929	6.2879	5.92818
LOC284798	5.55832	5.81624	5.64986	6.24155	6.71452	6.13575	5.78019	6.38363	6.19996

ABHD12	7.91102	7.85526	7.93595	8.13897	7.14764	7.74866	7.98886	8.08001	7.79812
NINL	6.19475	6.38757	6.24881	6.41682	6.04209	6.31248	6.42114	6.29753	6.2279
NANP	6.19085	6.26999	6.32806	6.54807	5.7704	6.20589	6.67886	6.35122	6.5259
ZNF337	6.49683	6.60955	6.51541	6.34921	5.98692	6.24567	6.64407	6.28253	6.37016
NCOR1P1	1.80236	2.03291	1.68101	2.10635	1.78582	2.49122	2.52288	1.84082	2.27406
MIR663AHG	4.53884	4.34561	4.71317	5.38311	6.43131	5.27881	4.68258	4.64948	4.66122
HM13-AS1	5.40662	5.07446	5.3583	5.59295	5.87798	5.50834	5.08793	5.86679	5.81623
BCL2L1	8.64272	8.58162	8.81599	8.64676	7.16752	9.07849	8.58181	8.98178	9.58919
FOXS1	6.50496	6.42115	6.63282	7.43419	7.85828	7.52044	7.28129	7.03088	7.24306
DUSP15	6.22552	6.39081	6.16277	6.96086	6.6497	7.00582	6.7501	6.74991	6.66489
PDRG1	6.34778	6.41758	6.31085	7.07662	5.98386	7.92177	7.48791	7.44561	7.07506
PLAGL2	8.0132	7.93215	8.39301	8.00837	6.92814	7.70058	7.9789	8.00562	8.27437
NOL4L	5.61506	5.34978	5.4336	5.86928	6.52674	6.09166	5.64377	5.72072	5.95795
C20orf203	5.20669	5.42145	5.32776	5.51589	5.61436	5.67146	5.50375	5.47154	5.50022
COMMD7	8.70932	8.24072	8.55034	8.54345	7.62884	8.10812	8.93547	7.78275	8.52469
SUN5	4.9348	5.22261	5.02403	5.35548	5.71584	5.91525	5.5812	5.91936	5.72972
CDK5RAP1	7.47556	7.07628	7.39283	6.8641	6.13241	6.01334	7.08117	6.04584	6.34512
NECAB3	7.45208	7.51688	7.34075	7.6177	7.40736	7.80127	7.05993	7.35597	7.40077
E2F1	6.94376	6.85145	6.89033	7.43177	6.56312	6.97351	6.93032	6.8601	6.6559
AHCY	7.33845	7.56874	7.43265	8.26416	6.79794	8.56839	8.19218	7.32033	7.75765
NCOA6	9.01105	9.21923	8.99	7.77538	6.37864	8.01773	8.14528	7.73815	8.57967
HMGB3P1	4.51731	4.61016	4.27417	4.40355	7.25639	4.65169	4.63019	4.43516	5.03526
GGT7	6.945	6.64375	6.44206	6.58503	5.9815	6.22587	6.32251	6.12437	6.38522
GSS	8.2542	8.10773	8.15055	8.57832	6.96379	8.32682	8.74707	7.28256	7.88791
EIF6	9.12118	9.02725	9.23986	9.96556	8.63815	10.2574	10.2303	9.2733	9.98196
UQCC1	7.98238	7.98548	7.99411	7.00879	6.86633	6.82478	6.79319	6.54752	6.95196

MIR1289-1	2.47459	2.9785	2.73306	3.40487	3.80119	3.48411	3.02549	3.09415	2.87507
FER1L4	5.70914	5.83833	5.99586	6.11941	6.3566	6.61372	6.02407	6.74931	6.43979
rbm12	9.16395	9.07154	9.24889	8.60697	7.19733	8.35805	8.85143	8.72717	8.9145
NFS1	8.11828	7.89136	7.85918	7.49234	5.89597	6.85488	7.58358	6.89059	6.96527
RBM39	9.31807	9.26642	9.01046	8.60775	7.06097	8.39876	8.19156	8.84773	8.91504
SCAND1	4.74081	4.72815	5.02353	5.95721	5.63986	6.27709	6.1413	5.3955	5.65801
NORAD	11.2877	10.7009	11.5106	10.5364	7.68428	10.2745	11.1583	10.9237	11.0869
SLA2	5.44271	5.43968	5.59215	5.75606	5.71414	6.05935	5.35004	5.99524	5.36657
NDRG3	8.92579	8.37002	8.3915	7.72878	6.27939	7.15144	8.00725	8.03682	7.97718
SAMHD1	7.4021	6.95033	8.73581	6.53954	5.56106	5.35577	6.97675	5.84163	6.22416
RBL1	7.12882	6.72871	7.4503	6.9367	5.27934	6.01687	6.72371	6.29024	5.63152
MROH8	6.56446	6.62435	6.69814	6.15434	6.75553	6.04838	6.26997	6.50396	5.94233
GHRH	5.46511	5.54505	5.86192	5.90589	5.88847	6.53373	5.78056	5.84733	5.71314
BLCAP	6.39904	6.71502	6.6749	6.43794	5.92283	5.98594	6.23963	6.00253	6.5697
LINC00489	6.1832	6.30242	6.08731	6.53059	6.61251	6.434	6.20867	6.30267	6.3543
TTI1	7.89213	7.83764	7.82298	7.06124	6.69218	6.67475	7.36527	6.92922	7.17831
KIAA1755	5.85965	5.91967	6.09289	6.20951	7.29867	6.73003	6.3838	6.45569	6.41827
SNHG17	7.15774	6.84308	7.26198	6.84001	6.75519	6.73629	7.2405	7.00812	6.80405
LOC339568	4.23114	3.98158	3.83154	4.34627	4.88585	4.07716	4.29277	4.16907	4.27495
MAFB	8.82619	9.58371	9.54972	10.0392	7.89858	10.5421	10.3082	10.1755	10.6065
EMILIN3	5.11297	5.47397	5.23322	6.63042	5.77777	6.12425	5.53898	5.45565	5.4188
CHD6	8.62362	9.09421	8.70922	6.85575	6.20998	6.84232	7.25483	6.53462	6.6504
GTSF1L	4.59565	4.8564	4.8134	4.8716	5.49762	5.48391	4.42207	4.71885	5.30363
JPH2	5.71643	5.67334	5.9171	6.26626	6.24927	5.84482	6.03293	6.17982	6.12127
OSER1	7.63966	7.78007	7.26268	7.36157	7.2861	9.3664	8.09422	9.97876	8.34485
FITM2	8.46745	8.32381	7.76915	8.37004	6.94501	7.53209	7.94695	7.48662	7.44124

SERINC3	12.0844	12.1004	12.0486	11.7813	11.4576	11.6862	11.8696	12.1357	12.086
ADA	6.42642	6.31463	6.55146	7.08338	6.60331	7.20436	7.51749	6.99062	6.87153
LINC01260	5.26507	5.37701	5.20366	5.45163	5.87668	5.62618	5.76625	5.60476	5.31209
RIMS4	6.54759	6.93842	7.03756	7.74146	7.33066	7.89544	7.58672	7.58625	7.69509
TOMM34	7.42851	7.15878	7.50404	7.52965	5.13056	7.53971	7.52965	7.37198	7.9691
STK4-AS1	4.95878	4.57596	4.36398	5.06777	6.27814	5.16769	5.54139	5.11797	5.06856
WFDC5	11.9462	11.7724	11.8176	11.7048	12.4554	12.3105	11.5894	10.3124	11.368
WFDC12	12.5035	12.5346	11.9102	12.4637	13.5433	11.993	12.8365	13.7692	13.1984
SLPI	10.6898	11.0052	11.1382	13.1209	13.6244	13.8184	13.17	13.9774	13.6976
MATN4	5.8305	6.25769	6.06649	6.06357	7.09133	6.82927	6.05417	6.49014	6.38812
SDC4	9.45952	10.0274	10.2484	9.60167	7.63454	10.7113	9.96566	10.5235	10.9998
TP53TG5	5.43395	5.65042	5.64274	6.15215	6.0819	6.45141	5.80947	5.85234	6.10426
WFDC8	4.80694	4.6395	4.65476	5.05988	5.55601	4.48519	4.67175	4.88318	4.78028
WFDC9	3.9434	4.05233	3.41742	3.78042	5.74007	4.06685	3.91369	4.26684	3.60733
WFDC11	3.39277	3.74698	3.10898	3.19438	4.03925	3.42155	3.40109	3.52932	3.39302
WFDC10B	5.02861	5.07712	5.33734	4.83974	5.17081	4.84737	4.39982	4.83532	4.63781
MIR3617	2.78132	2.83115	2.83597	2.63283	2.96281	2.42459	2.56512	2.31113	2.76988
WFDC3	6.48577	6.46687	7.1672	5.71793	6.77431	5.98642	5.78186	5.79459	6.08563
TNNC2	5.2817	5.427	5.52248	6.05392	6.32879	6.18689	5.86087	6.03003	5.95388
ACOT8	7.05548	7.32309	7.07595	7.29317	6.49253	6.88377	7.42996	7.04933	6.92562
SPATA25	6.70361	7.24747	6.95279	6.05999	6.35458	6.30303	5.8537	6.17313	5.97063
NEURL2	6.0488	6.21047	6.15224	6.41719	5.8809	6.29825	6.41059	5.86339	5.85346
PLTP	8.21732	7.92314	9.49133	9.09704	7.28907	8.99097	8.0528	8.49561	8.06942
ZNF335	7.79429	7.78075	7.43352	7.64289	7.34087	7.73714	7.78063	7.62773	8.08993
NCOA5	8.80393	8.61899	8.70743	8.11442	6.61807	7.53651	8.0155	7.00189	8.23812
elmo2	8.36397	8.6628	8.22913	7.64481	6.37074	7.30085	7.81061	8.18993	7.70435

ZNF334	5.67888	6.21253	6.15993	6.31091	5.64227	5.76851	5.67542	5.73952	5.71978
OCSTAMP	4.94698	5.17018	4.97125	5.11887	6.24131	5.1606	4.89913	5.38363	5.35183
TP53RK	6.89327	6.58285	6.78973	6.8873	5.36484	6.48718	7.20504	6.06682	6.49822
PTGIS	6.99635	7.11353	9.26034	6.49042	6.13213	6.60756	5.82313	6.16788	6.42774
SPATA2	6.07118	5.36923	6.36149	5.79994	5.06326	5.30107	6.15953	5.68343	5.47163
TRERNA1	5.91597	5.67331	5.82724	5.93537	6.69465	5.92043	5.95632	5.96132	6.04573
UBE2V1	10.5398	10.4739	10.4152	10.5582	9.63813	10.0492	10.4932	10.4372	10.4254
MIR1302-5	4.39858	4.42867	3.24954	3.02082	2.72111	2.50176	1.93754	2.55557	2.7897
ADNP	9.46245	9.36683	9.34899	8.22197	6.74347	7.80109	8.38813	8.27417	8.6293
SALL4	5.96634	6.11996	5.92949	6.59082	6.41369	6.49774	6.04901	6.17954	6.08525
zfp64	7.3864	7.60761	7.42533	7.21484	7.07898	6.78506	7.15353	6.77962	6.52811
ZNF217	7.9402	8.04731	7.38431	7.65372	6.15098	7.84669	7.8039	7.5795	7.55472
SUMO1P1	2.16294	2.34248	2.38623	2.21577	3.03431	2.20875	2.36298	2.32996	2.88306
BCAS1	5.71172	5.80487	5.80081	5.5021	6.3861	5.95575	5.71947	5.83196	5.3755
MIR4756	7.60399	7.79051	7.48564	9.69579	8.54275	8.54732	8.36502	8.09478	8.14332
CBLN4	4.37887	4.7534	4.7884	5.65706	5.38865	5.97802	5.34828	5.87685	5.38783
AURKA	5.88536	6.23523	5.70207	6.98769	6.3779	5.62405	6.47704	6.32354	6.1573
GCNT7	4.69352	4.51512	4.48852	5.07435	5.40212	5.01172	4.88421	4.7271	4.59629
BMP7	8.06067	8.19184	7.81119	7.32258	7.07651	7.49978	7.61127	7.39549	6.76716
MIR4325	4.1474	4.50522	4.08376	4.35557	5.21744	4.16428	4.28303	4.55141	4.19286
MTRNR2L3	5.43664	5.55402	5.49347	5.40221	6.06438	5.65166	5.48327	5.74201	5.37174
CTCFL	5.27425	5.50229	5.73394	5.94148	5.99375	5.33901	5.58473	5.85697	5.54846
ZBP1	5.20061	5.66435	5.23836	5.59614	5.93165	6.1441	5.69555	5.45433	5.47194
apcdd1l	6.28193	5.87661	6.08551	6.23681	7.18432	8.61539	6.6733	7.05115	7.18448
MIR296	3.90547	4.0446	3.43045	3.82996	2.73959	3.61123	4.58461	3.54762	3.27856
MIR298	6.43639	6.79832	6.16349	6.8657	6.65718	6.88985	6.70044	6.83004	7.07906

GNAS-AS1	5.04491	5.50418	4.93679	5.21419	5.212	5.42468	5.06262	4.9379	4.83015
CTSZ	7.08341	7.08229	7.43812	7.71229	7.03682	7.27597	7.64513	8.15729	7.53685
LOC100506384	4.879	5.21535	4.85615	5.46539	5.81646	5.60604	5.22227	5.33479	5.62458
SYCP2	6.01749	5.68606	5.92918	3.97987	4.15125	3.75375	3.8906	4.58671	4.4549
HRH3	5.92894	6.31877	6.18332	6.6346	6.93832	6.91942	6.35567	6.84901	6.76649
CABLES2	7.13937	6.8331	6.77073	6.91473	7.09834	7.57311	6.88272	7.45763	7.02338
RBBP8NL	6.61847	6.52002	6.64231	6.79128	7.17765	7.25189	6.53006	6.83114	6.77939
GATA5	5.79185	6.10104	6.04991	6.30547	6.56686	6.30744	5.86325	6.55537	6.41314
C20orf166-AS1	6.25041	6.56064	6.64361	6.71594	7.35521	6.62573	6.46663	6.81829	6.72629
SLCO4A1-AS1	5.31261	5.19434	5.5812	6.14205	6.14234	6.0097	5.58599	7.25377	6.51416
LINC00659	5.10072	5.14142	4.9269	5.18587	5.48717	5.69928	5.49285	5.35593	5.51846
DIDO1	9.30264	9.1851	9.12895	8.42473	6.58683	7.6886	8.53555	7.92764	8.47605
HAR1B	5.24936	5.04509	4.87566	5.61902	5.81639	5.77498	5.65935	5.60246	5.32656
nkain4	5.20118	5.45633	5.24235	5.75154	5.02158	6.25405	6.13769	6.10016	6.12064
EEF1A2	6.69896	7.01873	6.81761	8.3604	9.21725	10.1396	8.47456	9.51195	8.99144
PTK6	8.09545	7.77578	7.93959	9.44806	8.08098	10.0361	9.67231	8.64474	8.85665
SRMS	6.3122	6.32463	6.30754	6.99689	6.69115	7.7563	6.74736	6.91633	7.31325
HELZ2	6.64358	6.30527	6.51435	7.34895	6.35065	8.80969	7.98309	8.20102	7.95103
GMEB2	7.89263	7.75844	7.75844	8.30339	7.68635	8.62526	8.25296	8.03226	8.2454
STMN3	7.9203	8.09839	7.88244	8.54309	8.869	8.28123	7.87381	8.03637	7.82658
ARFRP1	6.96122	7.44151	7.04471	7.66613	7.2603	7.73317	7.58567	7.6859	7.61986
UCKL1	6.69568	6.83974	6.6922	6.712	6.16571	6.97688	6.86669	6.71178	6.68073
MIR647	8.44784	8.703	8.68162	9.06687	11.0365	9.37374	8.41216	9.80653	9.35997
ZNF512B	7.84251	7.91168	7.87464	7.91906	6.30745	7.64676	7.72714	7.10157	7.0624
SAMD10	7.37519	7.50345	7.63271	7.78342	8.39877	7.87021	8.03596	7.61348	7.81022
SOX18	7.08077	6.73028	7.29886	7.95606	7.12725	8.03628	7.91601	7.58873	7.78769

RGS19	7.23444	7.33592	7.45013	7.1953	7.40148	7.44541	7.51431	6.93614	7.19942
NPBWR2	5.67068	5.66181	5.49539	6.23505	7.09114	6.34746	6.10031	6.09166	5.92142
ANKRD30BP2	3.27394	3.46955	3.72736	3.84959	7.14518	4.45087	3.56024	4.58222	4.46751
RBM11	4.8334	4.78305	5.14397	4.15381	4.20849	5.23664	4.24683	4.25958	4.42309
SAMSN1-AS1	3.57219	3.67929	3.28082	3.62194	4.63293	4.01352	3.78159	3.72452	3.64389
NRIP1	5.57429	5.79533	5.4539	7.69098	5.56252	8.76883	8.94152	5.72104	6.64769
USP25	9.33757	9.41256	9.41705	8.12698	6.31384	7.46452	8.74855	8.34862	8.59165
MIR99AHG	7.34771	7.26792	6.86055	5.06946	4.88851	4.01478	5.52502	5.05698	5.07032
Mir99a	7.12176	7.20397	6.58619	5.9085	6.07214	6.4187	6.14842	6.16485	5.9692
MIRLET7C	6.46079	5.90899	6.02429	4.12337	5.24248	4.19896	3.74644	4.20968	4.64612
MIR125B2	5.35361	5.33602	5.50085	5.58645	5.20303	5.38387	5.53505	5.60246	5.09358
LINC01549	3.51031	3.38205	3.54401	3.24335	4.8231	3.70938	3.45891	3.17071	3.14982
CHODL	7.7256	5.69348	6.36201	5.59093	5.50514	5.86532	6.13843	5.32642	5.5934
NCAM2	4.82643	4.5681	4.5088	4.84292	5.20201	4.93017	4.89252	4.98238	4.51577
LINC00308	3.37679	3.36493	3.63058	3.64745	4.80794	4.05481	3.7486	3.53128	3.56603
LOC339622	4.24582	4.69146	4.03491	4.59655	4.91476	4.89441	4.29313	4.69979	4.49728
mir155	5.3184	5.13892	5.27044	5.5266	5.46841	6.34832	5.50356	5.84531	5.46592
JAM2	7.44061	7.26499	8.16243	6.42674	5.2971	4.9174	6.38684	5.74538	6.33074
MIR4759	2.24612	2.70183	2.1979	2.3896	1.85619	2.17971	2.06342	2.12139	2.49629
LINC00113	4.09256	4.45385	5.35147	3.69474	4.61617	4.26192	4.39046	4.52048	4.66017
LINC00314	3.05209	3.04882	3.09854	3.21375	3.6644	3.36554	3.1244	3.06542	3.01503
LINC00161	3.69245	3.55178	3.54469	3.26589	3.65942	3.52774	3.75785	3.43347	3.17676
USP16	9.20796	9.34663	9.45354	8.5394	6.56299	7.9836	8.92654	8.3821	8.68383
MAP3K7CL	7.67924	7.6894	7.11311	6.34983	7.22403	7.05607	7.26948	6.89776	6.52505
Krtap13-1	5.26323	4.78968	4.92626	5.46909	6.27261	5.38296	4.92458	5.34993	4.95924
KRTAP13-4	4.02377	4.52246	4.48613	4.91363	5.1138	4.53721	4.28587	4.16922	4.20922

KRTAP15-1	3.90559	3.71819	3.70562	4.28247	5.8416	4.34565	3.52318	4.25728	3.61359
Krtap6-3	3.90566	4.39497	4.60247	4.22572	6.44522	4.58834	4.82593	4.72577	5.07892
KRTAP22-1	3.2177	3.25817	3.29134	3.85087	5.26639	4.31552	3.97294	3.73844	3.34678
KRTAP20-1	6.20921	7.33543	6.46153	7.54408	6.01029	8.05935	8.15154	7.55122	7.43564
KRTAP20-4	4.98275	4.83109	5.01017	5.60326	5.52265	4.83923	5.15067	5.34993	5.23548
KRTAP20-2	5.23545	5.60495	5.64355	6.12812	6.31837	5.84153	5.91677	5.79408	5.60936
KRTAP20-3	4.61334	4.50951	4.20007	5.05556	5.53394	5.49085	4.43608	4.57479	5.30285
HUNK	6.24821	6.79286	5.99145	6.91375	5.95751	6.15521	6.71154	6.13741	6.33963
mrp	5.54643	5.52764	5.43453	5.70003	6.22868	6.04707	5.92118	5.92052	5.55175
URB1-AS1	6.94426	7.25787	6.88809	6.98763	6.75704	6.68892	6.98591	6.41327	6.90366
PAXBP1-AS1	4.95749	5.42495	5.41884	4.85207	4.97335	4.44455	4.93598	4.67212	4.40605
C21orf62-AS1	4.71682	4.66387	4.60691	4.09098	4.65395	4.38415	3.91146	4.4017	4.06039
OLIG2	5.32154	5.39567	5.4753	6.29244	6.216	6.07091	6.17154	5.71553	5.85803
olig1	5.4561	5.40203	5.81822	5.90717	6.43827	6.18177	6.18167	6.01935	6.02237
IFNGR2	8.18513	7.90318	8.06703	8.56553	8.08079	8.50918	9.01905	8.03843	8.59274
SON	8.9916	8.76611	8.76063	8.32942	5.76953	8.07037	8.64946	8.04255	8.76173
ITSN1	8.35915	8.2829	8.14945	7.64588	7.35746	7.17954	7.85959	7.97109	7.77082
LINC00649	6.062	5.8329	5.79997	5.42092	6.46519	6.22549	6.60913	6.01713	5.96906
LINC00310	6.0948	6.15926	5.93661	5.99535	6.4581	6.07664	5.96157	5.92411	5.72009
CLIC6	6.01841	5.58498	7.25124	4.43384	5.30521	4.38776	4.94271	4.59296	5.16697
LINC00160	4.2025	4.32001	4.02278	5.28939	5.52877	5.09296	4.54099	4.9226	4.96437
LINC01426	4.72608	4.46526	4.62896	4.69724	5.27805	4.95109	5.18851	5.06697	5.15525
Mir802	4.8212	5.02027	4.62775	4.38471	6.37506	4.8908	4.90016	4.86241	4.88091
CBR1	8.60355	8.68698	8.1841	7.95201	6.68982	6.96471	8.27779	7.42729	7.5887
cbr3	7.50594	7.45894	7.46737	7.69295	7.56297	7.96997	8.58044	7.42196	8.08942
DOPEY2	8.77381	8.58673	8.41144	8.8799	7.3693	8.60256	8.96282	9.16446	9.02854

MORC3	8.64111	8.50379	8.23753	8.10479	6.09138	9.36961	8.44652	9.3222	8.98114
SIM2	5.70566	5.79447	5.80705	6.1398	6.82302	6.52274	6.07499	6.40069	6.19386
RIPPLY3	5.37781	5.49043	5.40162	5.51973	5.31164	5.8718	5.4348	5.65473	5.74551
TTC3	9.79818	9.7262	9.76604	8.84753	7.11648	7.94256	8.50308	8.28805	8.76368
DSCR9	4.79553	5.18707	4.92874	5.14717	5.56153	5.34204	4.57467	5.50115	5.42108
DYRK1A	9.69549	9.71436	9.69249	8.36256	6.99087	8.55379	8.73127	8.1779	8.78644
DSCR8	3.87649	4.13179	4.11947	4.61824	5.08682	4.23007	4.03041	4.18497	4.28117
DSCR10	4.55439	4.62611	5.00854	5.24278	5.80819	5.17477	5.3497	5.37898	5.08808
ETS2	11.2071	10.2932	10.9306	11.0661	9.44337	10.8736	10.9434	11.1682	11.082
BRWD1-AS1	3.96936	4.18364	4.21912	4.8773	4.53433	5.2798	4.36461	5.01153	4.83515
WRB	6.15628	6.38302	6.25128	6.502	5.52885	5.0564	5.89111	6.13288	5.44503
SH3BGR	4.57004	4.56833	4.61722	4.70294	5.47939	5.45992	4.68136	4.74047	4.86765
PCP4	4.95958	5.3829	5.00477	4.78762	5.55502	5.1589	5.38776	5.45938	5.05707
DSCAM-AS1	3.3215	3.71453	3.54521	4.07319	4.02332	3.71926	3.77245	3.66437	3.76335
BACE2	7.84888	7.09525	8.04735	7.33389	7.1562	8.24177	7.60641	8.61175	7.2862
PLAC4	5.92503	6.394	6.0438	5.3471	5.63705	5.977	5.38208	8.06036	5.96798
MX2	6.30533	6.02779	6.48372	5.78237	6.20267	5.11005	5.8014	5.77288	5.80343
LINC00111	5.12748	5.98938	5.34077	5.69685	6.18077	5.44863	5.46071	5.88294	5.44277
LINC00112	4.6993	5.23587	4.87181	5.37652	5.00062	5.43182	5.67482	5.32395	5.50671
ZNF295-AS1	4.84439	4.54579	4.69673	5.30884	5.13587	5.72208	5.37374	5.38089	5.23976
UMODL1	4.98137	4.89766	5.11631	5.37788	5.76936	5.51626	5.2774	5.44007	5.65716
UBASH3A	5.31786	5.59634	5.59458	6.18406	6.01615	6.05163	6.01273	6.18899	5.92367
PDE9A	7.10628	7.19476	7.00424	6.59049	7.3666	6.23496	6.70227	6.50291	6.64364
PKNOX1	6.82292	6.8806	6.78545	7.18938	6.25056	7.00682	7.01806	6.85349	7.09895
LINC00319	5.68926	5.32231	5.87126	6.31838	6.41952	6.63756	6.21264	6.7641	6.29814
RRP1B	7.94601	7.84936	7.9779	7.40735	6.03362	7.05963	7.87116	7.51229	7.01463

RRP1	7.26037	7.2514	7.30603	7.1519	7.20977	7.22873	7.79023	7.22582	7.36327
AGPAT3	7.86573	7.84162	7.58136	7.64079	6.91249	7.45286	8.03631	7.29067	7.54254
TRAPPC10	8.45132	8.57555	8.58543	8.23576	7.03561	7.72462	8.6098	8.30092	8.58056
PWP2	6.57809	6.85762	6.44601	7.36148	6.13197	7.2491	7.13485	7.07149	6.82415
c21orf33	7.18287	7.28603	7.18824	7.00553	7.08782	7.2531	7.02966	7.25954	6.96416
aire	5.69421	5.69139	5.97325	6.45857	6.34291	6.7039	6.02163	6.66957	6.46471
lrrc3	6.6064	6.23454	6.25637	7.07278	6.45932	6.7829	7.1488	6.57155	6.64241
TSPEAR-AS2	6.26634	6.09146	6.21807	5.69861	6.70546	6.84713	6.32107	6.28395	6.5917
Krtap10-4	5.03313	4.90279	4.9403	5.61875	6.4475	5.21345	5.41515	4.97923	5.3797
KRTAP10-7	5.38038	5.27878	5.30221	6.34356	5.72435	6.39275	5.91986	5.99764	6.05229
KRTAP10-8	5.35454	5.44787	5.59851	6.02104	6.16887	5.62835	5.83901	5.73238	6.02326
KRTAP10-9	7.27243	7.19765	7.26012	7.74061	9.53857	8.02133	7.61106	7.93212	7.80875
KRTAP10-10	6.92693	7.39086	6.82557	8.2096	8.76877	7.81658	7.73562	7.74744	7.33388
KRTAP10-11	5.26351	5.5978	5.49378	5.79727	6.32842	5.57167	5.97453	5.60935	5.48521
KRTAP12-3	5.84308	6.05663	5.68735	6.61452	7.39107	6.78232	6.37715	6.42307	6.50112
KRTAP10-12	8.03284	8.42358	8.15984	8.86448	9.93416	8.67237	8.166	8.48911	8.3742
ITGB2-AS1	5.68216	5.83867	5.98049	6.10022	6.67199	6.46276	6.19832	6.23937	6.0496
LOC642852	5.8985	6.03338	5.94927	6.42583	5.85147	6.25056	6.2381	6.2233	6.26277
PCBP3	6.07633	5.89916	5.79838	6.61509	6.13414	6.2382	5.89192	6.65377	6.15552
MCM3AP-AS1	5.94266	6.1412	5.86087	6.1223	6.51569	5.99273	5.97545	5.84148	5.79781
YBEY	7.21348	7.59573	7.23237	7.3965	6.68867	7.26031	7.72503	6.95822	7.17222
PCNT	7.58867	7.78341	7.1899	7.10409	6.70639	7.52421	7.1709	6.90486	7.08634
DIP2A	8.05876	7.93247	7.73491	7.715	7.11006	8.08246	7.80968	7.86625	8.03984
DIP2A-IT1	6.78939	6.29521	6.84166	4.08965	5.23043	3.70667	4.57113	5.81057	6.28975
PRMT2	7.71876	8.13749	7.96447	7.43587	6.7949	7.77686	7.53157	7.33131	7.57588
TEKT4P2	6.76122	7.57276	6.78989	6.0113	6.48591	6.05152	6.50214	5.61558	6.61978

TPTE	5.36128	5.68137	5.78019	5.33184	7.12298	5.76979	5.73863	5.51237	5.89375
BAGE	4.44563	4.205	3.9133	5.06449	6.92238	4.50762	4.23913	4.83104	4.38978
MIR3156-3	4.51464	4.63297	4.22294	4.82073	4.58804	5.16098	4.47754	4.58932	4.53016
C21orf91-OT1	4.21837	4.29321	4.54459	4.2646	4.78554	4.4111	4.29983	4.18607	4.07525
c21orf91	8.07115	8.26233	8.15459	7.48444	6.42804	6.90631	8.24134	6.79676	7.12724
CHODL-AS1	4.08471	4.05243	4.0176	4.38716	5.29294	4.58751	4.47427	4.12906	4.26618
MIR548X	1.91833	2.12543	3.65932	1.92958	1.9619	1.82057	2.00443	1.94108	2.05439
LINC00320	5.29345	5.41451	4.99053	5.17488	5.92422	5.30923	5.50003	5.0791	5.29379
LINC00317	3.79239	4.52527	3.69367	4.25358	4.05968	4.13379	4.49644	4.59137	4.26517
D21S2088E	3.56213	3.84411	3.64827	3.95849	4.26043	3.96389	3.29517	3.6309	3.88563
LINC00158	5.04808	5.17569	5.48358	5.08867	5.66254	4.50349	5.0437	4.4151	4.94701
MRPL39	7.15214	7.60164	7.82182	7.28624	6.01686	7.28475	7.91171	6.51245	7.07167
APP	11.4146	11.0077	11.3138	11.0372	8.70332	10.6736	11.1583	11.2748	11.4242
CYYR1	8.1801	7.28115	8.55532	7.41425	7.48675	6.54792	7.40997	7.46726	7.51366
N6AMT1	6.69932	6.86724	6.50351	6.37817	5.22163	5.86436	6.25642	5.37976	6.13952
LTN1	8.59306	8.68038	8.71045	8.05511	6.09331	7.86203	8.1928	8.30847	8.16107
RWDD2B	7.68966	7.14342	7.77232	5.8581	5.29395	5.65228	6.77775	5.64345	5.72479
cldn17	4.18657	4.43001	5.20278	6.94869	7.73923	9.4812	8.42716	10.2202	10.7714
LINC00307	4.34706	4.19934	4.48841	4.64006	4.86794	5.10026	5.0489	4.37392	4.57008
CLDN8	6.44745	5.646	7.11202	4.94734	4.78843	4.68116	4.60779	4.25719	4.43486
Krtap24-1	4.1509	4.15868	4.07381	4.53402	5.57896	4.67046	4.27481	4.50976	4.12424
KRTAP25-1	5.06959	5.65917	5.30507	5.73619	7.06905	5.96432	5.31424	5.51167	5.31505
KRTAP26-1	4.69217	4.65603	4.52499	4.65516	6.1946	5.37479	5.02204	5.04967	4.93099
KRTAP27-1	4.27618	4.597	4.44538	4.92149	5.35388	5.55477	5.32942	5.25456	5.03684
KRTAP23-1	5.67098	5.86248	5.45758	5.93429	7.3645	6.39231	5.99652	5.98306	6.27086
KRTAP13-2	3.5768	3.54307	3.67509	3.91888	4.61107	3.7647	4.64349	3.58116	3.66145

MIR4327	3.40951	3.9378	3.77249	4.25255	4.32231	4.79883	3.95433	4.71522	4.01619
KRTAP13-3	3.93335	4.1441	3.95468	4.41203	5.93622	4.68933	3.82987	4.01732	4.43128
Krtap19-2	3.69005	4.38459	3.41825	4.46986	4.86156	3.43069	3.71326	3.89069	4.00664
KRTAP19-3	2.32099	2.24064	2.41365	3.14819	3.914	3.88857	2.84107	3.37838	3.04766
Krtap19-4	3.32761	3.25143	3.3711	4.13254	5.43935	4.2643	4.46292	3.60519	3.84568
KRTAP19-5	5.48491	5.10694	5.33715	5.63359	5.98931	5.96765	5.43815	5.3025	5.2426
KRTAP19-6	3.44489	2.90927	3.06176	3.10066	3.94849	3.17489	3.73351	3.7023	3.58834
KRTAP22-2	2.90916	3.33679	2.86103	3.65822	3.32422	4.19822	3.6552	3.30655	3.39005
Krtap6-2	4.87051	5.16543	5.17187	5.72561	5.93276	5.7408	5.78179	5.67711	5.82517
KRTAP6-1	3.54692	4.18212	3.82699	3.47176	5.29675	4.16819	4.00496	4.11278	4.23107
KRTAP21-3	3.70207	3.96162	3.43274	3.47741	4.66977	4.09845	4.05262	3.86629	3.23532
KRTAP21-2	4.12198	3.86289	3.99077	4.2947	4.97782	4.95809	4.58772	4.60693	4.36514
Krtap21-1	4.73694	5.31635	4.50638	4.9896	6.047	5.49882	4.40541	4.20142	4.78879
Krtap8-1	4.41285	4.57157	4.68065	5.01638	5.29625	5.46402	4.9794	5.0603	4.78118
KRTAP7-1	5.59627	5.48385	5.52476	5.76914	6.73326	5.73365	5.51416	6.06196	5.92693
Krtap11-1	5.15115	5.20961	5.07666	5.28143	7.39968	5.22395	5.26432	6.13261	5.62578
TIAM1	10.1273	10.4949	9.93367	9.81648	8.54747	10.3936	9.93603	10.905	10.5771
KRTAP19-8	3.61081	4.69695	4.22908	3.76516	5.20368	4.41374	3.97283	3.63849	4.13733
SCAF4	9.73318	9.5319	9.87325	9.05772	7.58484	8.60858	9.10947	9.91959	9.46896
LINC00159	5.30737	5.12232	5.33813	5.40011	5.63192	5.30727	5.14847	5.00119	5.29427
MIS18A	6.94217	6.84099	6.54233	6.87742	6.18001	6.41353	6.57909	6.13268	6.094
URB1	8.20724	7.91633	7.83489	7.2776	6.33205	6.53463	7.42527	7.14588	7.24225
TCP10L	5.60375	5.73404	5.68426	5.15826	6.16022	5.53921	5.27156	5.74172	5.77564
c21orf59	7.05972	7.0576	6.90268	7.07472	5.0326	6.63047	7.43516	6.4336	6.46434
SYNJ1	7.40193	7.30379	7.17201	7.03274	6.13104	6.6516	6.88279	7.17262	6.81941
PAXBP1	8.63744	8.86027	8.6591	7.37593	5.32129	5.92426	7.01806	7.61595	7.07355

c21orf62	4.89655	5.13074	5.19113	5.03071	5.94458	5.44821	4.81254	5.28638	5.44473
LINC01548	5.30427	5.04963	5.09545	6.02554	6.6198	5.73259	5.65968	5.74966	6.10827
IL10RB-AS1	4.76936	5.08862	4.70992	5.07777	5.43982	4.96667	4.89093	4.46338	4.80276
TMEM50B	8.2123	8.37748	8.31754	6.78438	6.35166	6.19981	6.8957	6.02814	6.28272
DONSON	7.57406	7.39269	7.18471	7.40724	5.55893	6.42405	7.34565	7.10306	7.05559
RCAN1	7.53638	6.61055	6.72708	8.03578	8.50897	8.62289	8.23789	8.4725	8.03065
RUNX1	6.94936	6.61721	6.99984	6.80309	6.83646	6.6991	6.18131	6.45106	6.63937
RUNX1-IT1	7.14105	6.62665	7.33325	5.51619	6.18099	5.70172	5.45622	5.04591	5.85079
LOC100133286	4.19718	3.85832	4.34107	4.3968	5.28879	4.68681	5.3741	4.30497	4.60319
CBR3-AS1	8.41669	8.82348	8.57088	8.37806	8.1377	8.19505	7.87849	8.20445	8.98248
CLDN14	5.52485	5.67343	5.46015	5.89232	6.80721	5.99493	5.87883	6.20708	6.02785
HLCS	7.35203	6.8684	7.09182	6.9252	5.97142	5.97863	7.04464	6.29197	6.57508
DSCR3	7.12758	6.95326	7.09118	6.73338	5.51178	6.7478	7.0331	7.12672	7.03812
DSCR4	4.94054	5.03759	5.2368	5.34648	5.87054	5.77	5.17734	5.58776	5.06006
ERG	7.79805	7.03915	8.00735	7.2876	7.5596	6.88618	7.45499	7.72742	8.17794
LINC00114	5.09678	5.3556	5.51695	5.38955	6.1753	5.62756	4.90506	5.49234	5.72491
BRWD1	8.87287	9.27513	8.97474	8.2149	6.35557	7.94115	8.21204	8.66734	8.31843
HMG1	7.54236	7.08515	6.89934	6.91686	5.20764	6.75421	6.73996	6.69675	6.28002
LCA5L	4.5951	5.12887	4.84801	4.97662	5.36295	4.97374	4.95111	4.48697	4.91124
B3GALT5-AS1	5.90068	5.53446	5.17835	5.25022	5.50835	5.71262	4.90064	5.18443	4.97362
DSCAM	4.59925	4.65446	4.99061	5.48377	5.57647	6.12722	5.01082	6.13908	6.32362
DSCAM-IT1	3.97088	4.2064	3.89844	4.893	5.26197	4.95264	4.2973	5.84988	7.73472
LINC00479	5.35649	5.14228	5.1459	5.91539	5.30077	6.08173	5.3954	5.4596	5.91038
RIPK4	8.0141	8.06588	7.79979	8.59517	7.30025	10.7837	9.46763	9.77463	9.36921
PRDM15	6.9186	7.53962	6.99608	6.70562	6.06334	6.9178	6.73842	7.64587	7.33826
C2CD2	8.12855	8.67001	8.11245	8.46401	6.82937	8.5521	8.24655	8.63132	8.76062

ZBTB21	8.53929	8.36751	8.26818	8.21646	7.41156	8.70481	7.87614	7.88777	8.57314
UMODL1-AS1	5.93788	6.14049	6.0974	6.2584	7.51661	7.20085	6.28683	6.84279	6.57293
TFF3	6.83018	6.66952	7.01519	7.72529	8.02438	7.96823	7.43169	7.41949	7.51446
TFF2	4.77455	4.60269	4.95122	5.54076	4.90167	5.03433	4.90869	4.77298	5.00998
tff1	5.84444	6.13776	5.89777	6.75695	6.65741	7.04467	6.64129	6.42205	6.73014
rsph1	5.69273	6.24915	5.45446	5.27472	5.51257	5.75522	5.60848	5.30965	5.10707
WDR4	6.57569	6.32396	6.79135	6.27729	5.77727	6.72394	6.62612	6.0786	6.39075
CBS	5.32276	5.59229	5.54667	6.01323	6.15799	6.0891	5.6198	5.71887	6.04924
U2AF1	8.57626	8.65621	8.66919	8.26146	6.89704	7.81426	8.36549	8.1684	8.23795
SIK1	9.73174	8.31615	8.78267	9.63546	8.76677	10.8278	9.22056	10.4008	9.41911
HSF2BP	5.79716	5.60515	5.64093	5.76247	5.61764	5.80445	5.73384	5.68622	5.38364
CSTB	11.1089	10.7767	10.7262	12.1044	12.3131	12.5719	12.0424	12.2652	12.3617
AATBC	6.32549	6.2964	5.953	6.27982	6.04125	6.12024	6.05562	6.09882	6.07836
ICOSLG	6.76095	7.22822	6.60312	6.92144	6.67073	7.31992	6.9687	6.53859	6.53863
DNMT3L	5.51597	5.64426	5.68439	5.99893	6.09042	6.33631	6.29324	6.18993	6.27175
c21orf2	6.51327	6.27745	6.44656	6.45339	6.77707	6.86501	6.57402	6.76135	6.6141
LRRC3-AS1	5.48291	5.57691	5.38025	5.82531	6.11377	6.30098	5.80748	5.87993	5.84348
TSPEAR	5.49542	5.9766	5.53797	6.38466	6.5427	6.37451	6.06038	6.21338	6.44889
KRTAP10-1	6.38219	6.77852	6.81803	7.97457	7.55022	8.43509	7.58766	8.03201	7.50359
KRTAP10-2	5.6702	5.72822	6.13153	6.35828	7.9142	6.23757	5.79897	6.4071	6.3832
KRTAP10-5	5.24985	5.42463	5.06844	5.63267	5.80393	5.67929	5.18179	5.73022	5.89534
KRTAP10-6	7.57504	7.71025	7.63133	7.82096	9.80297	7.73795	7.61858	7.82502	7.82205
KRTAP12-4	6.14833	6.3025	6.24963	7.20437	6.9003	7.05267	6.6243	6.52938	6.61966
Krtap12-2	4.9358	4.92488	4.47644	4.80177	5.81944	5.10089	5.03696	4.8444	4.74425
KRTAP12-1	3.78412	3.6896	3.54488	4.11736	3.88172	3.97774	3.92393	4.24966	3.84692
UBE2G2	7.67016	7.92858	7.70157	7.17175	5.77203	6.62703	7.14993	6.87094	6.97429

sumo3	8.07351	8.08865	8.1451	8.60838	8.73479	7.96772	8.16725	8.12621	8.18016
PTTG1IP	9.1506	8.38526	8.88544	8.79605	7.20135	9.25126	9.22157	10.0645	9.50762
LINC01547	6.3653	6.27529	6.72659	6.72402	7.1133	6.81637	6.81648	6.84763	6.92328
LINC00163	6.41071	6.58971	6.47163	7.16681	7.6876	6.79838	6.93263	7.04842	6.68969
PICRAR	5.40779	5.33826	5.46889	6.22088	5.83911	6.10156	6.04336	6.27379	5.74762
POFUT2	6.04593	6.07922	5.93731	5.91985	6.11629	5.93733	5.63249	6.15585	6.02084
COL18A1-AS2	5.21581	5.28251	5.42248	5.24089	5.64357	5.28728	5.26021	5.69031	5.61688
COL18A1-AS1	5.90861	5.84001	5.81644	6.2987	6.2651	6.75697	6.21231	6.30848	6.26099
LOC100129027	6.75313	6.93488	6.82704	7.52718	7.99612	7.66612	7.26683	7.39367	7.2346
FTCD	5.36652	5.61843	5.56204	6.37949	5.9511	6.59397	5.93323	6.26959	6.31706
SPATC1L	6.13839	5.91345	6.14892	6.82556	6.04049	7.02164	6.68274	6.08089	6.18224
MCM3AP	7.72423	7.37207	7.53752	6.95597	6.2582	7.06977	7.267	6.74955	6.95277
C21orf58	5.8544	5.89143	5.83804	6.20711	6.19828	6.75862	6.19652	6.55454	6.11591
S100B	6.71247	6.20921	6.76643	6.02512	6.62415	6.40349	6.74	6.05855	5.70222
TPTEP1	8.27592	8.12607	7.55076	6.49992	7.518	6.70112	7.33702	7.04255	7.11457
IL17RA	8.88732	8.77786	8.91093	8.77645	7.79834	8.7123	9.01697	8.78363	9.10696
CECR5-AS1	6.18216	6.2091	6.19883	6.60764	6.11118	6.6018	6.24965	6.36578	6.41379
BCL2L13	8.01334	7.84292	8.26636	7.24781	6.51193	7.21856	7.58304	7.64413	7.61471
FLJ41941	4.9183	5.17401	5.02589	5.72045	6.19354	5.44817	5.68885	5.70126	5.39839
PEX26	8.16357	7.92255	7.86909	8.16999	7.10677	7.73626	8.68753	7.80109	7.88871
USP18	7.49903	7.15871	7.42938	6.9095	7.88078	7.31968	7.42895	7.32693	7.5197
dgcr6	5.53865	5.36856	5.02944	5.31999	4.82656	5.70373	5.25107	5.45066	5.26677
Dgcr5	5.2177	5.61851	5.35772	4.77316	6.00928	5.25397	5.47587	5.50178	5.22792
DGCR9	4.9922	4.70111	5.36359	5.36231	5.17262	5.52856	5.44911	5.83051	4.64169
DGCR10	3.88532	4.09257	4.07773	4.17686	4.33121	5.07803	4.37858	4.37627	4.5457
DGCR14	3.88636	4.08545	4.08018	4.7659	5.58963	4.41723	4.71515	4.86705	4.47989

MRPL40	7.31259	6.80573	7.11986	6.7521	5.02042	5.80256	6.92638	5.77309	6.43385
CDC45	5.75664	5.83052	6.0351	7.00976	6.0325	5.99126	6.30754	6.34667	6.23977
TBX1	7.40748	7.60827	7.56926	7.36441	5.96117	6.54243	7.46404	7.27017	6.72659
COMT	6.75505	6.84587	6.93462	7.27795	6.31958	7.08503	7.43979	6.65499	6.95806
TANGO2	6.62447	6.31674	6.56351	6.53665	5.55008	6.45413	7.0597	6.71796	6.598
MIR185	7.75458	7.66037	7.88726	8.5182	9.74929	8.9115	7.96444	8.50689	8.37824
DGCR8	7.4736	7.31797	7.25717	6.94951	5.7784	6.14688	7.30197	6.54079	6.81725
RANBP1	5.99992	6.10631	6.07786	6.73563	5.91693	6.06752	6.53191	6.13905	6.24434
LINC00896	6.12058	6.14046	6.54974	6.91942	6.70729	6.56555	6.43968	6.72712	6.7626
TMEM191B	6.82537	7.01077	6.9276	7.53146	7.69031	7.76394	7.34424	7.43442	7.36034
ZNF74	5.8677	6.11801	6.0519	6.39822	6.53444	6.79956	6.54912	6.55075	6.17134
MED15	7.37442	7.051	7.23156	7.3017	6.42309	7.90712	7.40886	8.12938	7.85916
POM121L4P	3.36266	3.54021	3.43129	3.94785	4.35048	3.88631	4.05778	4.27062	4.28448
CRKL	8.50319	8.62634	8.44078	9.18627	7.17975	9.3219	9.04589	9.32505	9.22439
LZTR1	7.35299	7.0355	6.99996	7.19792	6.24853	7.52508	6.97712	7.25675	7.28424
THAP7-AS1	6.16051	5.99834	6.3467	6.25892	6.72938	6.4261	6.19777	6.21664	6.1777
Irrc74b	5.20017	5.18571	5.15841	5.95312	6.49834	5.88109	5.75386	5.95276	5.79655
BCRP2	5.29341	5.14731	5.4075	5.73153	6.21801	6.27307	5.46201	5.43028	5.96686
POM121L8P	5.03539	5.58364	5.17493	5.79981	6.37326	6.16002	5.75536	6.46565	5.93497
RIMBP3B	5.46915	5.18451	4.87499	5.15191	4.8298	6.38495	5.64751	5.39183	6.05073
HIC2	6.07064	6.40469	6.18902	6.61638	6.84752	6.59136	6.08631	6.61475	6.75782
TMEM191C	5.15112	5.84964	5.47042	5.44334	6.88443	5.24147	5.19569	5.40512	5.05861
CCDC116	5.74991	5.86358	6.13472	6.62853	6.36201	6.27062	6.09348	6.35732	6.1455
SDF2L1	5.18834	6.10928	5.80553	6.36251	6.2642	7.3554	6.12806	6.17941	6.58741
PPIL2	8.27599	8.14611	8.03577	7.9033	6.59842	7.53881	7.80271	7.69622	7.87563
mir301b	4.11714	3.77001	3.84519	4.56467	4.08163	4.13714	4.12122	4.30964	4.03847

mir130b	6.12323	6.90951	6.56317	7.05896	7.59654	7.61834	6.73732	7.63622	6.94193
VPREB1	5.84745	5.95289	5.87649	6.09562	6.37658	6.77224	6.00276	6.22374	5.82547
GGTLC2	6.42956	6.64858	6.85988	6.71572	6.10003	7.15338	6.86335	6.88197	6.53394
IGLL5	5.85479	5.83506	6.9229	6.48144	6.52109	7.0718	6.84082	6.32525	6.15394
BCR	7.77962	7.45874	7.59678	7.70114	7.20545	7.90022	8.34135	8.54462	8.19474
FBXW4P1	6.18639	6.0769	6.29708	6.23612	5.88066	5.98453	6.35163	7.18	6.66211
RGL4	6.25681	6.71064	6.66987	6.69431	6.63042	6.92289	6.30804	6.74451	6.79938
C22orf15	5.30407	5.37417	5.49254	6.09507	5.95064	5.77908	5.81944	6.02506	5.83792
MMP11	6.15253	6.3377	6.064	7.50226	6.71584	6.83266	6.38888	6.53805	6.57536
MIF	9.1094	9.02976	9.32116	10.7141	9.89429	10.8183	10.2818	9.99989	10.1098
DDTL	6.44533	6.3133	6.12713	5.70384	5.60555	5.613	5.84231	6.1527	6.29339
GstT2	10.2066	9.57695	7.9748	6.20051	4.4894	5.00976	5.73475	5.79866	6.0184
LOC391322	4.96916	5.03827	4.461	5.19855	5.33718	5.30656	3.87	5.14428	4.79643
CABIN1	7.88154	7.65357	7.75104	7.4482	7.2552	7.70064	7.48904	7.75331	7.39774
SUSD2	7.03964	6.86532	7.28889	7.05249	7.18264	7.08179	6.6561	6.7244	6.94601
SPECC1L	8.37284	8.51437	8.34386	8.25593	6.49572	8.53247	8.2851	8.54392	8.49521
ADORA2A	6.28385	6.03187	6.1812	7.00802	6.67433	7.38294	6.52187	6.71532	6.51926
SNRPD3	7.5873	7.69498	7.65076	8.53407	7.01328	7.94985	8.99227	7.35988	8.06018
GGT1	5.76158	6.06779	6.1715	6.39917	7.04867	6.81384	6.32761	6.98929	6.70313
BCRP3	4.386	5.04375	4.97471	4.80404	7.19728	4.94859	5.42243	4.46209	4.92148
TOP1P2	4.00361	4.01649	3.70916	3.73828	5.85856	4.36805	3.61886	3.9051	3.82339
SGSM1	5.79049	5.88888	5.64315	5.82491	6.36134	6.70369	5.90051	6.1727	6.09196
KIAA1671	8.12941	7.91129	8.15316	7.78554	7.17905	8.24995	8.23979	7.87761	8.19752
MYO18B	6.03897	5.84567	6.32844	6.37033	7.21877	6.89009	6.21439	6.7879	6.44213
SEZ6L	5.19602	5.4045	5.22225	5.96188	5.83142	5.80452	5.47855	5.93213	5.64729
ASPHD2	6.72017	7.19536	7.52226	6.5222	6.64111	6.81917	6.96765	6.46258	6.56389

SRRD	8.01485	8.09028	7.83007	7.92095	5.4165	8.29941	8.67565	7.93239	7.97615
Miat	6.61182	6.45152	6.44191	5.38184	6.0053	5.75509	5.8294	5.77829	5.98127
TTC28-AS1	6.2074	6.14459	5.90368	5.97037	6.09228	5.91912	5.71804	5.96701	5.9297
MIR3199-1	2.97763	3.12336	3.23486	2.94172	2.24264	2.37618	3.05451	3.01771	2.8122
HSCB	6.18754	6.67732	6.1868	7.01926	6.10597	6.16549	6.81403	6.45222	6.43456
CCDC117	7.18156	7.46607	7.4754	7.54833	7.0059	7.64174	7.51325	7.1749	7.57128
ZNRF3	7.42371	8.16214	7.89474	7.30067	5.77029	6.75425	7.26299	6.45628	6.47293
KREMEN1	9.4752	9.40901	9.58715	9.36169	8.02343	9.00184	9.33148	8.71839	9.15354
EMID1	5.89433	5.69445	6.04869	5.49125	5.94091	6.05939	5.71494	5.79906	6.10745
EWSR1	8.52781	8.56641	8.31339	7.85991	6.38991	7.79495	8.10123	7.9839	8.10662
GAS2L1	6.91624	6.82901	6.98605	7.79121	5.80894	7.1321	8.21193	6.97028	7.20286
RFPL1	3.85069	3.05753	2.92138	3.48732	3.81967	3.20379	3.64857	2.9721	3.80879
NF2	7.94276	7.82874	8.07308	7.58564	6.31056	7.03409	8.11453	7.478	7.77542
CABP7	5.79799	6.07687	5.89338	6.47792	6.44426	6.81793	6.65246	6.89214	6.50182
MTMR3	9.04912	9.05258	8.80279	8.71352	7.69117	8.99172	8.53793	9.26327	8.96982
HORMAD2	4.4509	4.5473	4.22482	4.89657	4.95529	4.58524	4.39694	4.50759	4.72878
CCDC157	5.66927	5.61122	5.73103	6.03558	5.95923	6.62281	6.12699	6.15043	6.4838
SEC14L2	6.72836	6.49355	5.78293	7.2595	5.9087	7.99031	7.2558	7.34827	7.00402
MTFP1	5.99455	6.16282	6.0419	6.76408	5.88786	6.97928	6.63604	6.57366	6.82374
TCN2	6.48011	6.67554	7.03288	6.58497	6.92531	6.53143	6.62921	7.02097	6.60389
OSBP2	6.89755	6.00923	6.2509	6.21073	5.61501	7.50874	6.41255	6.5449	6.61493
MIR3200	4.97941	4.84904	4.56604	4.36023	4.25874	3.00496	3.23004	4.33421	4.27926
MORC2-AS1	5.3594	5.27037	5.51951	6.18645	5.49609	6.12047	5.94961	5.48158	5.95903
Tug1	11.0612	11.1701	10.8656	10.4839	9.81114	9.96467	10.0748	10.6506	11.1699
SMTN	6.72626	6.8202	6.77471	7.5323	7.15777	7.91341	7.09961	8.20768	7.89909
INPP5J	6.60304	6.47991	6.3115	6.58112	6.35799	6.43854	6.16387	6.58696	6.44588

RNF185	8.17302	7.89078	7.72187	7.95584	6.78155	8.60634	7.88777	7.9205	8.31634
LIMK2	8.95833	8.90798	8.69948	9.28054	7.74675	8.53089	9.16567	9.1893	9.18928
DRG1	9.38761	9.18476	9.26488	9.19189	7.29939	8.34084	9.40872	8.52484	8.88447
DEPDC5	7.76333	7.83331	7.45913	7.03651	6.87459	6.41988	7.00828	7.00046	7.07001
RFPL3	1.73277	2.07719	1.64208	1.88503	2.50873	2.76043	1.86468	1.83584	2.14623
LOC339666	4.98199	4.84619	4.9568	5.43364	5.97039	5.40216	5.22251	5.52705	5.45413
FBXO7	10.1162	9.58107	10.0781	9.28748	8.26299	8.89959	9.81536	9.27835	9.27077
TIMP3	9.7543	9.67143	11.0901	8.62848	7.78692	9.27535	8.67966	9.19966	9.20711
LARGE-AS1	4.16858	3.8884	3.9173	4.24259	5.51201	4.29882	4.1118	4.31236	4.37505
ISX	5.09737	5.40816	5.6958	6.29008	5.90763	5.75845	5.35138	5.80818	5.84815
HMGXB4	7.93806	8.00921	7.95807	7.23606	6.63398	7.40506	7.25629	7.5112	7.729
TOM1	8.18923	8.29529	7.99412	8.44798	7.77921	9.48438	8.59213	9.13422	8.94687
MIR3909	5.78081	5.04975	5.30569	5.20229	4.9677	5.22187	5.13524	6.36741	5.95949
HMOX1	9.51891	9.32976	8.9101	10.1816	9.86592	10.2787	9.72306	10.7484	10.3619
MCM5	7.26689	6.78417	7.54687	7.69211	6.23977	7.38501	7.36847	7.15786	6.86686
LL22NC01-81G9.3	4.28253	4.34387	4.30144	4.62146	5.26969	5.00696	4.77101	4.52535	4.99105
MPST	5.42404	5.87648	5.52924	6.13892	5.14214	6.62754	6.32409	6.14272	5.75169
KCTD17	6.41477	6.55219	6.31153	7.01482	7.16454	6.99074	6.37759	6.86033	6.86588
C1QTNF6	7.36557	7.29097	7.44901	8.18255	8.63258	7.96376	7.78663	7.73782	7.66259
CYTH4	6.5854	6.61326	6.52024	6.79928	6.43731	7.05584	7.14666	6.68711	6.71725
CDC42EP1	6.74124	6.59805	6.71908	7.47277	6.65344	7.61378	7.53625	6.71144	7.21161
sh3bp1	7.32752	7.23669	6.90978	7.7079	7.30307	7.95733	8.14185	7.82245	7.41818
NOL12	7.12448	6.9509	7.20966	7.47684	6.9212	7.05826	7.85596	6.80525	7.07588
TRIOBP	7.53625	7.37728	7.77979	7.73256	6.52609	7.59585	7.56776	7.27302	7.6922
GCAT	6.6171	6.31976	6.50778	7.3019	7.26519	7.49467	6.9617	7.06393	6.60672
GALR3	5.5732	6.29012	6.11755	6.46558	6.62445	6.49243	5.96796	6.53637	6.71846

MICALL1	8.95666	8.44723	8.44118	9.14223	7.27559	8.8124	9.16968	8.44744	8.9629
POLR2F	5.94078	6.1845	5.98274	6.50317	6.91738	6.06373	6.23105	5.84353	6.02237
MIR4534	6.24835	6.49163	6.76602	6.68148	6.92427	6.8201	6.50448	6.95689	6.72865
PICK1	7.56789	7.26557	7.31892	7.18662	5.51658	7.08105	7.5454	7.1343	7.07685
MAFF	6.33806	5.89259	5.95248	7.63992	7.08871	7.92828	7.42413	7.22699	6.91495
KDELR3	7.56984	6.13489	7.00104	7.32444	6.20033	6.58308	6.78965	6.20165	6.54546
CBY1	7.1926	7.083	7.27334	7.03517	5.87264	6.59132	6.92522	6.70065	6.65838
TOMM22	8.76175	8.94395	9.12836	9.02891	6.53584	8.39873	9.40387	7.93665	8.6784
GTPBP1	8.58373	7.93113	8.45432	8.0049	8.24544	8.92409	8.3951	9.0544	8.68146
SUN2	7.56394	6.92049	7.37104	7.2545	4.96952	7.52888	7.7695	7.12557	7.06504
SYNGR1	7.51996	7.23841	7.42241	7.83858	7.52299	7.70741	7.65155	6.96366	7.65781
TAB1	6.97654	7.02487	6.86881	7.08664	6.69791	6.63932	7.05736	6.62929	6.72762
LOC100506472	4.87832	4.92766	5.501	5.82066	5.59523	5.28504	4.72707	4.55935	5.55654
ATF4	9.82259	9.69634	9.70828	9.94666	8.86583	10.2109	9.76139	9.81565	9.97081
GRAP2	5.80322	6.43639	6.46898	5.85714	6.41933	6.04751	6.16493	6.13411	5.75811
LOC100130899	7.69327	7.92087	7.82917	6.64143	5.67912	6.73373	7.53677	6.46052	6.8952
TNRC6B	8.97354	9.26805	9.23834	7.70485	6.04389	6.52359	7.63498	7.67185	7.41052
ADSL	7.38562	7.25339	7.26873	7.06031	6.98929	6.78364	7.38351	6.60136	7.06287
SGSM3	7.26387	6.99021	7.12213	7.29485	6.19769	7.25785	7.24269	7.49284	7.27698
MCHR1	6.20708	6.15234	6.05784	6.55563	6.86197	6.78475	6.6706	6.36297	6.57234
EP300	10.0615	10.075	10.1467	8.88209	6.5704	9.21172	9.28738	9.08105	9.72459
L3MBTL2	6.64453	6.90522	6.73609	6.55476	7.16458	6.67266	6.82234	6.77746	6.93734
ZC3H7B	8.09971	8.00649	8.02639	8.31973	7.1497	7.51053	8.54444	7.68524	7.69575
TEF	6.71346	6.68609	6.78832	6.31755	7.00956	6.56906	6.82864	6.34569	6.77964
DES11	6.39712	5.74168	6.17133	7.36037	5.7562	6.88329	8.07834	5.95851	6.68854
XRCC6	8.58245	8.46522	8.50853	8.36708	6.19202	7.95153	8.14603	7.65471	8.2938

C22orf46	5.78328	6.03679	5.66511	6.1411	6.54688	5.84632	5.82928	5.79061	5.82647
MEI1	5.04665	4.98945	5.17535	5.5595	5.59275	6.04395	5.09737	5.52261	5.55194
CCDC134	7.80318	8.05124	7.68227	7.21738	7.47766	7.49262	7.67044	8.18746	7.62867
SREBF2	9.11783	8.73649	9.07315	8.87569	6.4723	8.67574	9.39129	8.95706	9.28126
MIR33A	3.4109	3.01513	3.2197	3.77898	3.30573	3.59708	3.72218	4.14231	3.40493
LINC00634	6.22719	6.12587	6.38384	7.25894	7.02641	7.24695	6.65959	7.07938	6.99829
44442	6.89753	6.83883	6.89901	6.60654	7.01988	6.15125	6.42717	6.94901	5.92906
WBP2NL	5.47354	5.58634	5.92335	4.99256	5.39702	5.40637	5.08344	5.51506	5.48996
SMDT1	8.98719	9.14541	8.84105	9.10019	8.24898	8.80403	9.51663	8.46642	8.99887
NDUFA6-AS1	5.6824	5.46616	6.15834	5.17936	5.65217	5.50286	4.9526	5.30751	5.30155
OGFRP1	5.37289	5.59092	5.65381	5.87324	6.57576	5.14491	5.64947	6.25032	5.98106
serhl	6.29907	6.78735	6.32231	7.04577	6.49135	6.83308	6.48318	6.14838	6.85583
SERHL2	4.11597	4.2312	4.56066	3.98971	3.71368	4.70006	4.52414	4.18481	4.06309
BIK	5.21529	5.26191	5.36844	6.16312	5.27759	6.21283	6.17511	5.63032	5.5319
TSPO	9.52438	8.82484	9.40918	9.56148	7.91041	9.34733	10.0615	8.3764	9.17593
MPPED1	5.32054	6.29832	5.56959	5.85716	6.18067	6.01202	5.58377	5.90098	5.62571
PNPLA3	8.18425	9.31899	7.84573	7.34746	5.66501	5.90735	7.18104	7.06066	6.3245
SAMM50	9.43061	9.05721	9.59442	8.73468	6.41782	7.75584	9.01864	7.77785	8.3686
LINC00207	5.19399	5.58292	5.40548	5.7476	6.77607	5.99667	5.57511	5.93575	5.67422
PRR5-ARHGAP8	6.31936	6.4353	6.76137	6.6543	5.86179	6.61863	7.29063	6.94298	7.13848
NUP50	7.44632	7.41678	7.20974	6.87754	6.27933	7.4182	7.01776	7.74015	7.72114
UPK3A	5.33976	5.55609	5.25132	6.11513	6.03843	6.17737	6.17184	5.73644	6.02192
RIBC2	5.72807	5.66435	5.68246	5.49701	5.33686	5.8931	6.03842	5.63665	5.85002
FBLN1	7.98993	8.04973	8.3252	7.95015	7.32355	7.70301	7.95296	7.35936	7.07793
ATXN10	8.13484	7.79799	8.10513	7.72905	5.79608	7.17917	8.07793	6.74882	7.56321
MIR4762	3.56304	3.85739	2.97643	3.00859	2.5368	2.93058	3.16475	2.67509	2.70546

LOC730668	5.52331	4.79488	5.32792	5.66926	6.05064	5.84908	4.993	5.59155	5.43962
PRR34-AS1	8.20238	8.20825	7.92528	7.2708	6.59608	6.83248	6.82482	6.41642	6.5914
MIRLET7A3	7.71719	7.2168	7.49476	6.95262	6.45892	7.02016	7.15764	6.77395	7.41784
MIR3619	8.63778	8.34775	8.73721	9.36377	10.7354	9.16567	9.01412	8.99521	9.06179
PPARA	7.42303	7.42384	7.20622	6.66811	5.44372	6.79585	6.91439	7.48793	6.97533
TTC38	7.28532	6.87268	7.03126	7.35298	7.41282	7.23481	7.59771	7.3763	7.26872
GTSE1	5.94027	5.692	5.35131	6.0126	5.38775	6.13866	6.01917	5.89719	5.85775
TRMU	6.39005	6.7162	6.52222	6.70563	6.85438	7.01111	6.7458	6.75566	6.70043
GRAMD4	7.98373	7.57198	7.52797	7.43224	6.31867	7.58496	7.73202	7.30312	7.13831
MIR3201	2.4561	2.25637	2.18233	4.16011	2.19954	3.55613	2.67154	3.28873	2.36406
MIR4535	4.20258	4.05041	3.84429	5.42116	5.08837	4.873	4.62829	5.48848	4.97662
LINC01310	5.54345	5.56773	5.68595	5.94871	6.57761	6.05393	6.00617	6.16249	5.69572
CRELD2	6.37851	6.2629	6.20136	6.98878	6.90847	7.17297	6.80892	6.76655	6.59124
PIM3	7.09113	6.98609	7.17908	8.24987	7.50455	8.94692	8.06473	8.11846	7.9172
PANX2	6.3636	6.93042	6.54025	7.6987	7.21569	7.53458	6.81968	7.00569	7.19653
TRABD	8.15984	7.8362	8.1137	8.16447	7.91387	8.29401	8.27297	8.34953	8.14845
SELENOO	8.28804	8.15372	8.29606	8.16416	6.0645	8.1183	8.54877	7.97086	7.91852
adm2	5.83132	6.1913	6.06852	6.41629	6.73123	7.10314	6.37949	6.61658	6.69413
MIOX	5.96066	5.96369	6.05721	6.24444	6.51361	6.84498	6.33131	6.53377	6.38799
KLHDC7B	5.61501	5.47483	5.71363	6.00504	6.16938	6.35383	6.16793	6.21742	6.23119
CHKB-AS1	6.21917	5.94904	5.95055	6.08297	6.24991	6.35414	6.17244	6.11155	6.41081
MAPK8IP2	6.58199	6.31622	6.1904	6.9504	6.4802	7.44245	7.04662	6.8691	6.96524
SHANK3	7.33389	6.83776	7.53157	7.04667	5.88649	6.81069	7.26605	7.40203	7.49646
ACR	6.41249	6.16154	6.51416	6.20888	6.4272	6.18871	5.7951	6.07936	6.26931
RPL23AP82	7.43189	7.07507	7.23619	7.16074	9.44206	7.75791	7.2145	7.54623	7.4723
ANKRD62P1-PARP4P3	3.54253	3.55763	3.70254	3.62348	3.82383	2.54698	3.38628	3.31488	3.60258

BID	6.81731	6.70849	7.03591	7.62287	6.29884	7.16669	7.52129	6.95472	7.06975
MIR3198-1	6.14747	6.76356	6.59632	5.73602	4.53629	4.86879	6.43398	5.4139	5.71283
MIR648	5.56332	5.56616	5.75348	5.95657	6.10651	6.67542	6.39369	6.29803	6.95888
GGT3P	6.3557	6.8125	6.59084	7.00377	7.67114	6.94475	7.29083	7.33588	6.90496
PRODH	6.37527	6.87368	6.7367	6.39212	5.94619	6.54783	6.65198	6.29159	6.00433
DGCR2	8.77761	8.5102	8.48104	8.86765	6.9655	8.39576	8.62809	8.53506	8.56834
DGCR11	7.90457	7.83618	7.62655	7.07463	6.78051	6.80806	7.09975	7.47136	7.77781
GSC2	5.12599	5.04391	5.04099	5.75146	5.56198	6.32453	5.81019	5.97611	5.67281
HIRA	7.95826	7.77431	7.81121	8.02626	6.69758	7.53193	7.85259	7.47638	7.70406
c22orf39	6.85548	6.88157	6.775	6.58745	6.19409	6.28779	6.86155	6.62755	6.45386
UFD1L	7.1375	6.94537	7.36065	7.25215	6.24453	7.32732	7.48353	7.53985	7.64222
CLDN5	6.26296	6.38992	6.78914	6.58948	7.01316	7.03314	7.29759	7.24181	7.01447
LINC00895	5.13563	5.20038	5.22534	5.5548	5.98242	5.83009	5.70441	5.76233	5.54921
TXNRD2	6.61835	6.61764	6.66351	7.3077	6.6139	7.08597	7.13969	6.73722	6.72901
arvcf	6.2719	6.51278	6.28853	7.04461	6.7864	7.28096	6.93799	6.78817	6.84475
TRMT2A	6.31185	6.35778	6.06595	6.34311	5.84609	5.99639	6.59585	6.37311	6.31628
CCDC188	6.00619	6.28854	6.58582	6.60984	7.13672	7.13057	6.40549	6.65529	6.30933
RTN4R	6.8742	6.65484	6.65627	7.0465	7.08053	6.61565	7.01922	6.75443	6.98343
MIR1286	5.87055	6.53567	6.5088	6.95521	7.20456	7.09096	6.32117	6.7896	6.98195
DGCR6L	7.43695	7.38277	7.46273	7.91829	7.9345	7.82182	7.61278	7.43194	7.57743
RIMBP3	7.1804	7.11265	7.30528	7.91947	7.71114	8.71837	7.79061	7.77948	8.07316
KLHL22	5.91198	5.57046	5.57464	5.56892	5.49054	5.62764	5.66606	5.5301	5.33885
thap7	6.93345	6.55309	7.11403	7.09938	6.37398	7.12298	7.38707	6.74116	6.76175
MIR649	1.84756	1.57911	2.30426	2.87678	3.47005	2.06243	3.6238	2.64181	2.08047
RIMBP3C	6.30946	6.45184	6.6339	6.90548	6.99819	7.36104	6.99953	7.10163	6.50088
YDJC	7.43049	7.07337	7.39085	7.58688	7.29352	7.86703	7.56172	7.40978	7.3484

YPEL1	6.16448	5.95665	6.24947	6.78606	5.93836	6.94474	6.18836	6.71622	6.26144
MAPK1	11.0848	10.9996	10.9756	10.884	9.71702	10.515	10.9423	11.0093	11.1975
TOP3B	7.37138	7.26175	7.34332	7.12665	6.46164	7.17751	6.99913	7.24995	7.29645
ZNF280B	5.61545	5.72647	5.71842	5.46088	7.30951	5.18051	5.64643	6.19234	6.02652
ZNF280A	4.20037	4.49514	4.42093	4.52847	5.36752	4.47525	4.94759	4.57455	4.94111
PRAME	5.12115	4.99676	5.20019	5.14594	5.96793	5.71726	5.03587	5.64208	5.57311
RSPH14	5.8011	5.71211	5.8468	5.99868	6.00799	6.62822	5.90609	6.15432	6.12395
CES5AP1	3.85234	3.83328	4.21554	4.59598	5.60164	4.42332	4.38267	5.0428	4.73349
IGLL1	5.34212	5.61789	5.61487	6.26324	6.48933	6.59822	6.07841	6.11212	6.34402
DRICH1	5.22588	5.84694	5.14055	5.01957	6.0043	5.64986	4.97999	5.26835	5.23594
ZNF70	7.93103	7.94256	7.65349	6.89609	6.32013	6.96756	6.98018	6.29367	6.25619
VPREB3	5.17867	5.06184	5.10972	5.52462	6.28753	5.96076	5.75227	5.24296	5.41551
CHCHD10	7.78054	7.89287	7.83167	8.25484	7.33803	8.24273	8.15879	8.05267	8.15089
DERL3	6.46558	6.30608	6.69231	7.09864	7.39037	7.10153	6.87406	6.98495	6.87217
MIF-AS1	5.62849	7.02803	6.11588	6.48777	6.64911	6.96859	6.2721	6.77943	6.90286
GSTT2B	10.2053	9.73772	8.4465	6.75729	7.35513	6.64206	6.85516	7.20078	7.03325
DDT	7.6277	7.42744	7.73412	7.58123	6.94365	7.56495	7.45059	7.5332	7.49177
GSTTP1	6.56084	6.3768	6.26494	6.64883	7.44012	6.73998	6.5825	6.99557	6.86855
GstT1	7.15077	6.91568	5.87957	7.4674	7.29325	7.04196	6.64129	6.66446	7.04647
GSTTP2	3.39557	3.4295	3.36403	4.716	4.00552	4.09296	4.25543	4.09164	3.84285
GGT5	7.26255	6.84776	7.52453	7.58202	6.67973	7.80035	7.60313	7.29745	7.5986
ADORA2A-AS1	5.74135	5.86451	5.91135	6.2485	7.43216	6.84698	5.93133	6.52084	6.3944
GUCD1	7.5762	7.5597	7.5602	7.53894	6.869	7.61117	7.88679	7.54442	7.64429
PIWIL3	4.53181	4.7662	4.54385	4.59963	6.05896	5.36093	4.83475	5.88487	5.28961
tmem211	6.22871	6.163	6.10404	6.33674	7.41015	6.40218	6.26608	6.2798	6.31094
LOC100128531	5.87977	6.31867	6.38799	7.10716	7.05142	7.67823	7.22292	7.38752	7.18465

LRP5L	7.00396	6.75764	6.84458	6.35855	7.2458	6.81974	6.31607	7.01318	6.47591
HPS4	8.41151	8.33294	8.08724	7.13419	6.79554	6.86154	7.41165	6.9349	6.92715
TFIP11	7.23012	7.16956	6.91162	7.08601	5.97435	6.73003	7.30923	7.06062	6.9756
TPST2	6.80248	6.514	6.66506	6.72459	6.89739	6.40642	6.68722	6.89207	7.20231
MIR548J	3.90596	3.27787	3.47438	3.6694	4.06618	3.61506	3.65386	4.24816	4.20356
MN1	7.2864	6.38224	6.80283	7.80165	7.4002	7.23347	7.89607	6.97509	7.27385
TTC28	7.88299	7.67171	7.65214	6.61259	6.13273	6.57049	6.55911	6.4443	6.47106
CHEK2	5.98761	5.85813	5.65962	5.85598	5.92822	6.38793	6.17032	5.6829	5.43562
XBP1	9.32588	9.05163	9.60067	8.95962	7.75869	9.16699	9.02048	8.01087	9.1898
ZNRF3-AS1	5.5428	5.77594	5.12403	4.81221	5.18007	4.92164	5.09849	4.69874	5.04611
RHBDD3	6.01998	6.0029	6.24747	6.80982	6.0271	6.85808	6.25223	6.20332	6.33415
RFPL1S	4.2238	4.02868	4.03758	4.93312	5.08561	4.42925	4.26594	4.46829	4.15617
THOC5	8.00387	7.96049	7.82519	6.92889	5.82875	6.63132	7.35045	6.67863	7.05631
NIPSNAP1	7.72706	7.75493	7.43288	7.576	7.93739	7.05644	7.65948	7.20078	7.2821
ASCC2	9.12341	8.99037	8.95996	9.00561	7.15992	8.52782	9.15802	9.74202	9.19853
LIF	5.43934	5.3315	5.24341	5.4697	5.6158	5.44014	5.735	5.73025	5.70445
OSM	5.34598	4.92489	5.32681	6.01901	5.96437	6.70594	5.77305	6.17583	5.77843
GATSL3	7.65921	7.50855	7.31002	7.92522	6.5499	7.44289	8.05929	7.3485	6.80612
RNF215	6.07358	5.76782	5.69454	6.26465	5.90319	6.49577	6.39661	6.25134	6.31313
sec14I3	4.76259	4.90674	4.83398	5.48022	6.13423	5.52448	5.29011	5.39773	5.21016
SDC4P	3.778	4.13	3.80349	4.28797	4.23174	4.78341	4.70501	4.15757	4.11296
SEC14L4	5.72015	5.39596	5.35445	6.33107	6.23148	6.42992	6.37174	6.06499	6.16296
SEC14L6	7.02038	6.97797	6.31848	7.24819	6.89915	6.71545	6.94096	6.52174	6.42264
GAL3ST1	5.77837	5.74189	5.69807	6.14713	7.11671	6.13574	5.84626	6.3986	6.37833
DUSP18	7.58507	7.23992	7.27018	8.08809	7.22934	8.18078	8.5354	7.56384	8.62393
MORC2	8.91251	8.79335	8.57103	8.61521	7.01557	8.23452	8.23682	7.94877	8.53444

SELENOM	6.49771	6.53791	7.03213	7.45028	6.92279	7.639	7.29129	8.26228	7.56701
PIK3IP1	6.66966	6.303	6.4159	5.76385	5.71521	6.1395	6.83748	6.51014	5.37398
PATZ1	7.04816	7.08171	7.30572	6.38702	6.57115	6.30798	6.97749	6.97618	6.7581
EIF4ENIF1	8.09286	8.35249	8.07172	7.44535	7.30803	7.08869	7.78706	6.8132	7.4141
PISD	6.79468	7.10545	6.79506	7.22827	5.1197	6.67914	6.84299	6.71636	6.71012
PRR14L	7.92821	8.12537	7.85831	7.79943	6.29882	7.33825	7.88243	7.67057	7.89298
C22orf42	4.92193	5.05052	5.06545	5.48272	6.93819	5.64892	4.89141	5.28393	5.27148
RFPL2	5.51358	5.81434	5.73769	6.02874	6.16726	6.66187	6.27175	5.8384	6.19695
RFPL3S	4.63472	4.36353	4.17082	4.27119	5.23321	4.58995	4.04086	4.39058	4.41507
RTCB	9.24252	9.15778	8.77315	9.12745	6.70459	8.57719	9.19205	9.10852	8.57282
BPIFC	11.602	11.4997	11.0605	10.3325	10.7138	9.83393	10.3086	8.56712	10.6483
SYN3	5.45185	5.90429	5.55513	5.70148	6.83798	6.0692	6.18989	5.7814	5.95004
LARGE1	7.1939	6.9013	7.07413	7.06745	6.04458	7.76556	7.00645	7.78695	7.36478
MIR4764	4.17728	3.77376	3.79168	3.75695	3.76482	4.23519	4.03246	3.72762	4.26778
MB	4.9401	4.69273	5.14644	4.9559	5.55805	5.72366	5.02016	5.17818	4.85647
TXN2	8.53038	8.68102	8.41508	8.58566	8.06924	8.24101	8.85817	7.86849	8.47717
FOXRED2	7.37839	7.56005	7.59918	7.69049	6.3118	6.80816	7.52916	6.577	6.61573
IFT27	6.62896	6.81232	6.44266	6.51604	6.48801	6.62086	6.55774	6.27601	6.53872
PVALB	4.93167	4.75841	4.65544	4.78179	5.63482	5.21483	5.22826	5.31101	5.43614
TEX33	5.9582	5.88799	5.79461	6.04966	6.53126	6.24988	5.6452	6.07655	6.04846
TST	8.08256	8.43469	8.09536	9.2154	7.45828	9.00001	9.57676	8.55422	8.58415
SSTR3	4.96399	4.58433	4.89661	5.37296	5.01275	5.41885	5.5355	5.83708	5.42549
ELFN2	5.65946	5.826	5.65868	6.22447	5.96913	6.49702	6.21236	6.12287	6.23438
MFNG	6.01433	5.96178	6.19645	6.40516	6.18238	6.21661	6.23009	6.4537	6.27407
ANKRD54	6.94074	6.64171	6.87764	7.00902	7.10144	6.76592	7.10732	6.95295	6.73923
MIR659	5.23231	5.75052	5.47749	5.96343	5.52502	5.77407	5.93784	5.90534	5.87601

C22orf23	5.49241	5.79624	5.71659	6.26027	6.30459	6.46105	6.45737	5.98424	6.09323
SOX10	6.78862	6.536	6.98986	6.94301	7.26338	7.33385	7.16561	7.31746	7.61676
BAIAP2L2	6.68883	6.49817	6.59649	7.21737	7.26497	7.21878	6.73057	7.0875	6.75439
TMEM184B	7.58766	7.03456	7.42563	8.41827	7.71999	8.37621	8.54308	8.57013	8.54303
LOC400927	7.69422	7.63545	7.55469	7.94113	9.75935	7.80018	7.64677	8.02655	8.12871
DDX17	10.4983	10.3958	10.1881	9.49008	7.34759	9.57812	9.24646	9.12378	9.97069
JOSD1	8.14243	7.93885	8.09943	8.55331	6.86475	8.56745	8.36803	8.40512	8.322
nptxr	6.10954	6.18656	6.16981	6.83931	6.98848	6.55451	5.91981	6.31207	6.28249
CBX6	6.4944	6.70596	6.31291	6.58366	5.43219	7.88507	6.15915	7.43149	6.71212
CBX7	7.05458	7.14952	7.03128	7.12281	6.72415	6.94239	7.06183	6.80774	7.13587
PDGFB	6.52987	6.59278	6.31703	7.23479	6.08397	6.97857	6.81527	7.06915	7.03268
rps19bp1	7.19448	7.19951	7.16133	7.64069	6.45898	7.89436	8.14691	7.5077	7.46811
ENTHD1	4.12008	4.02688	4.05721	4.18539	5.2642	4.72583	4.06592	4.17833	4.0652
MKL1	8.28352	8.12625	7.98822	8.2251	7.76073	8.1853	8.37274	8.82587	8.39099
MIR4766	2.52927	2.21155	2.33641	2.39599	1.80471	2.48691	1.94691	2.11081	1.86838
ST13	5.72625	6.1041	6.06765	5.40226	5.31741	5.2328	5.71561	5.82064	5.58207
CHADL	6.54087	6.73624	6.68667	7.68002	7.14823	7.60143	6.9653	7.08902	7.06056
RANGAP1	9.18693	9.01554	8.57693	8.83179	6.81766	8.3989	9.30023	8.54169	8.81296
PHF5A	7.38195	7.47414	7.26249	7.93897	6.63152	7.17968	8.06709	7.39059	7.42277
POLR3H	7.54651	7.37914	7.448	7.74726	6.5966	7.57414	7.83604	7.05639	7.60245
PMM1	7.02456	6.85151	6.90357	7.18921	6.76031	7.28732	7.11718	7.7114	7.00358
SNU13	6.67317	6.82977	6.80715	7.12966	5.45319	6.95642	7.40277	6.47151	6.50001
SHISA8	6.46709	6.45891	6.28457	7.18328	7.10099	7.56629	7.12966	6.76902	6.92952
MIR378I	7.31805	7.50703	6.9728	7.10385	7.5156	6.67421	6.28991	7.03915	6.31001
CENPM	6.58047	6.67643	6.32623	6.78485	7.12052	6.62358	6.55594	6.5282	6.39903
tcf20	8.46915	8.58624	8.43234	7.46962	7.07987	7.64573	8.03711	7.96838	8.14664

NFAM1	6.21385	6.45113	6.72914	6.87817	7.55313	6.92971	6.78973	7.38239	6.92213
RRP7A	7.52573	7.10962	7.43202	7.72722	7.82435	7.6735	7.79452	7.41272	7.76545
RRP7BP	7.18901	7.03522	7.0475	5.90606	6.76793	5.70629	6.30977	5.93559	6.57354
cyb5r3	9.36255	9.52492	9.69311	9.46476	8.19171	9.47544	9.66682	9.46938	9.24447
ARFGAP3	8.28638	8.05849	8.43611	7.98218	6.14047	8.13855	8.11283	8.02172	8.02969
PACSIN2	7.99252	7.87264	8.03303	7.6218	7.34908	7.45076	7.85159	8.14016	7.38376
MCAT	6.61541	6.31325	6.26741	6.91136	5.59314	5.86582	7.35658	5.84074	6.09982
EFCAB6	5.58527	5.58215	5.71344	4.97701	5.85798	5.02849	5.02306	5.48449	5.02852
PNPLA5	5.608	5.42267	5.12405	5.85205	5.88727	6.22764	5.97192	6.05749	5.70672
LINC00229	5.14239	5.27414	5.5707	5.46012	5.88383	6.10752	5.63123	5.8794	5.516
PHF21B	5.56469	5.69862	5.67039	6.30337	6.30026	6.5074	6.07953	6.25415	6.17865
NUP50-AS1	6.86771	7.55973	7.77099	6.65767	4.8194	5.97884	6.69487	7.34047	6.84896
KIAA0930	9.12575	8.55939	8.69092	8.7883	7.0599	8.33493	8.99336	8.78667	8.68646
MIR1249	6.07049	5.85567	5.96232	6.46653	6.42898	6.8416	6.415	6.22991	6.1573
SMC1B	3.9574	3.96454	4.15382	4.22676	5.20456	4.79182	4.29179	4.8915	4.25876
LINC00899	5.69399	6.04255	5.71573	5.50584	6.23524	5.66484	5.74422	5.47008	5.68358
PRR34	5.70502	5.87662	5.83058	5.30977	6.37726	5.74228	5.90965	5.78177	5.83037
CDPF1	6.02319	5.92832	5.86218	6.3032	5.73381	6.93258	6.31813	5.84832	6.31883
GTSE1-AS1	4.27615	4.49042	4.72977	5.40903	5.14373	4.93971	4.87141	5.24923	4.65374
CERK	8.28116	8.51587	8.22579	8.09156	7.00119	9.23882	8.10428	8.90751	8.65799
LINC00898	5.17475	5.43218	5.38404	6.12754	6.1034	5.8721	5.1924	5.78948	5.73717
LOC284933	5.76017	6.12616	5.68121	6.19102	7.02505	6.17438	6.02359	6.2243	5.79525
MIR3667	7.39578	7.38984	7.46969	7.6416	8.04052	7.61442	7.30707	7.54569	7.73784
BRD1	7.85655	7.8891	7.71062	7.50477	6.55704	7.62901	7.64943	7.26382	7.62518
IL17REL	6.44077	6.59101	6.52368	7.51868	6.71926	7.31755	7.02199	6.86321	6.81608
MLC1	5.98714	6.18737	6.16094	6.58017	6.95265	6.76524	6.44282	6.35892	6.63647

HDAC10	6.85232	6.47724	6.6696	6.6446	7.25205	7.30076	6.83025	6.85311	6.78051
MAPK12	6.54435	6.49973	6.61946	6.99737	7.44543	7.26075	6.65382	6.94677	6.96627
MAPK11	5.73497	5.74627	5.69885	6.56212	5.47266	6.59043	6.4873	6.25096	6.23492
PLXNB2	9.05961	9.17792	9.01359	8.9982	7.00696	9.48803	9.3793	9.06218	9.20772
SBF1	8.01643	7.72179	7.67315	8.25695	7.68583	8.80146	8.18938	8.36272	8.16484
LMF2	7.55216	7.26044	7.58788	8.18019	6.5481	7.75362	7.86705	7.51772	7.48577
SCO2	7.52982	7.14134	6.94517	8.39744	7.72325	8.48205	8.69562	8.26812	8.70635
ODF3B	6.65964	5.93227	6.14792	6.40936	6.03048	7.20367	6.69254	6.63701	6.47831
SYCE3	3.63381	3.96107	3.90765	4.34186	4.17314	4.44473	4.15992	4.53938	4.22794
CHKB-CPT1B	8.25813	7.43585	7.32458	7.12916	6.86783	6.88551	6.94052	7.16902	7.06269
ARSA	6.96861	6.49725	6.32345	8.08733	6.53596	8.37355	8.15314	8.63945	8.01119
CHL1	8.87605	9.91246	9.46868	7.37711	6.21753	6.31674	7.48387	5.9711	6.42965
CNTN6	4.5474	4.50535	3.96728	4.66965	5.35426	5.22138	4.78464	4.67712	4.50397
CNTN4	4.8027	5.22008	5.35873	5.22115	5.83446	5.22115	5.32379	5.0929	4.97692
LRRN1	7.12973	7.34914	7.56117	6.55463	6.27445	6.58707	7.08735	7.05954	6.81336
setmar	7.09824	7.53802	7.41773	6.19987	6.42136	6.30255	6.68366	5.72392	6.12668
ARL8B	10.3854	10.1013	10.3057	9.96083	8.86993	10.5268	10.3727	10.5801	10.3689
LMCD1	8.57739	8.06618	8.80429	7.37832	7.67008	7.08942	7.31828	8.2856	7.59795
LINC00312	7.0982	6.30883	7.54841	4.75986	4.99293	4.8063	5.0847	6.17553	5.27257
CAV3	5.53691	5.42923	5.26217	5.77095	5.67369	6.17869	5.4419	5.97752	6.02898
THUMPD3	7.63625	7.77668	7.76926	7.16558	5.91248	7.00059	7.70148	7.00065	6.99136
SETD5	9.50425	9.45707	9.3961	8.15227	6.46096	7.83873	8.20904	8.84442	8.64771
MTMR14	7.82911	7.55924	7.44788	7.26432	6.81692	7.53375	7.61	7.92711	7.54062
CPNE9	5.88618	5.96039	5.84982	6.20139	6.62864	6.30384	6.26497	5.87982	6.07075
OGG1	6.55408	6.67684	6.62345	6.41489	5.81777	6.07747	6.49674	6.2989	6.28058
JAGN1	6.9118	6.97948	7.12186	7.57308	6.52602	7.63881	8.07632	7.31806	7.32734

IL17RE	7.73505	8.18388	8.15727	7.62247	6.84402	7.32804	8.26367	7.60414	7.86926
IL17RC	7.88001	7.75326	7.68217	8.04373	7.322	8.2838	8.38698	8.00484	8.26701
creld1	6.60411	6.08709	6.05238	6.56877	6.5288	6.4962	6.14608	6.34045	6.46855
PRRT3-AS1	7.58989	7.68884	7.42296	6.90061	6.89851	7.10052	7.43745	7.03217	7.47439
IRAK2	7.64989	7.1508	6.82851	7.43586	8.05127	9.1432	8.22495	8.88436	8.228
TATDN2	7.9622	8.21409	8.02974	7.4059	6.88789	7.10504	8.09011	7.18787	7.4787
LINC00852	7.57922	7.53583	7.80367	6.46854	6.74971	6.61939	6.78991	6.81587	6.94714
GHRLOS	7.10566	6.68197	6.73419	5.45854	6.14448	5.79391	5.69129	5.90953	6.38922
HRH1	6.28822	5.91587	5.76728	6.19742	6.87621	6.21363	6.27035	6.55436	6.88126
ATG7	7.57044	7.59865	7.6634	6.81178	6.63959	7.00485	7.01368	7.11149	7.17201
SYN2	6.05628	5.28512	6.20841	5.3228	5.19193	5.63598	5.53345	5.40779	5.54109
PPARG	6.58306	6.06624	7.45994	5.90407	6.13957	6.45393	5.67392	5.3873	4.9249
TSEN2	7.75612	7.58458	7.88473	6.76694	5.92677	6.68431	7.16378	6.35912	6.67789
MKRN2	8.9108	8.58908	8.88918	8.11631	6.52755	7.83784	8.741	8.75482	8.14744
CAND2	6.31497	6.51436	6.56394	6.88153	6.94473	7.48166	6.88496	6.86722	6.77504
HDAC11	6.95151	7.31288	6.55973	6.64096	6.33213	7.01814	6.78459	7.04016	6.66392
FBLN2	8.19639	8.30802	8.73934	7.38618	6.71753	6.88259	7.79484	6.98168	7.27739
TPRXL	6.55684	6.17166	6.15219	5.8431	6.32379	6.76981	6.40213	6.00923	6.3548
TMEM43	9.94769	9.79362	10.1777	9.41308	6.0242	8.53911	9.54606	8.79726	9.25588
CCDC174	6.73096	7.00389	6.85033	6.20677	5.15827	6.81655	6.56613	6.43369	6.60153
C3orf20	5.48033	5.392	5.21845	5.49055	6.35797	5.55642	5.61329	5.29463	5.70672
CAPN7	8.94981	9.13534	9.17453	7.80358	6.05338	7.20755	8.0035	7.95123	7.71201
SH3BP5-AS1	8.30151	8.01344	9.15158	5.81602	5.12925	4.72232	6.62303	5.84851	6.58466
EAF1	9.30729	9.80365	9.61294	9.82695	8.60956	9.72913	10.18	10.0053	10.519
BTD	6.39917	6.10413	6.1147	5.82339	5.13666	5.73303	6.02639	6.06937	5.93557
MIR563	5.05303	5.35453	5.0033	4.93466	5.65003	5.27315	4.58993	5.16593	4.98221

GALNT15	5.82235	6.44402	7.0026	5.26478	6.00898	5.99151	6.00781	6.29562	5.60349
OXNAD1	8.05021	8.55428	8.36677	7.43337	7.52679	7.39874	7.96777	7.53033	7.80359
PLCL2	5.80501	5.91887	5.91356	6.57303	6.50703	6.16599	6.02719	5.89429	5.9165
KAT2B	9.82237	9.94162	9.45613	9.76644	8.66578	10.281	9.78045	9.98947	10.4474
SGO1-AS1	5.96863	5.93515	5.39927	6.10046	6.61631	6.23149	5.96419	6.2273	6.42431
VENTXP7	4.56734	4.7566	4.43128	5.589	4.78715	5.17597	5.34642	5.12289	5.29838
UBE2E2	8.35987	8.34751	8.75972	8.01436	7.10242	8.6562	8.75181	8.37064	8.92933
UBE2E1	6.81852	6.60848	6.74567	6.16518	6.38739	6.55806	6.26054	6.59903	6.41984
RPL15	7.14547	6.90703	7.26263	7.35272	6.76935	6.96548	7.10085	6.85122	7.02163
THRB-AS1	4.47707	4.40563	4.77936	4.60292	5.09541	4.77257	4.19833	5.00336	4.70597
LRRC3B	5.30018	5.37594	5.56157	6.16653	6.38042	5.85394	5.30663	5.97367	5.79512
CMC1	6.99374	7.29762	6.92395	4.85766	5.93442	4.59759	5.05372	4.9299	5.37819
LINC00693	6.36272	6.17025	6.33181	6.77293	7.63752	6.923	6.50308	6.32279	6.44981
OSBPL10-AS1	5.86484	6.24783	5.8368	6.64142	6.72803	6.38366	6.18601	6.05059	5.95882
ZNF860	6.68629	6.80659	6.1056	6.47641	4.9622	6.19984	6.19789	6.74779	6.96554
GPD1L	8.25485	8.40203	8.27427	7.446	6.6679	7.01835	7.30233	7.08322	6.56137
CMTM8	7.21916	6.89245	6.73885	7.54963	6.71133	7.03585	7.2332	7.07043	6.61797
CMTM7	6.6324	6.37681	7.2272	7.20864	6.77873	6.33415	6.34361	6.35279	6.50823
CCR4	5.50344	5.68197	5.89381	5.66606	6.43161	6.06112	5.91204	5.745	5.82062
CRTAP	10.5075	10.4132	11.0371	9.3656	6.8674	8.1824	9.47191	8.6678	8.9909
FBXL2	6.41096	6.40946	6.43783	6.51559	6.35431	6.2072	6.42956	6.92018	7.6102
PDCD6IP	10.3357	10.1965	10.2872	9.91445	8.52548	10.0686	10.1061	10.1126	10.4673
mir128-2	3.68375	3.71029	3.69601	4.28235	4.1679	3.81873	4.16323	3.85037	3.56777
stac	3.87382	4.10291	3.98098	4.23118	4.66366	4.37916	3.99359	3.99537	4.3157
GOLGA4	10.1109	10.3563	10.2461	9.15687	6.65438	9.32413	9.14124	9.75117	9.43146
C3orf35	9.48339	9.28091	9.31152	6.52248	6.20634	5.09174	5.82333	6.71639	6.71339

MIR26A1	5.57908	5.37712	5.47809	4.96183	4.53596	4.51	4.6686	5.28755	4.71488
VILL	6.31039	6.33744	6.12188	6.22124	6.02342	6.68238	6.53535	6.60712	7.08671
DLEC1	5.50616	5.69562	5.51588	5.7529	6.20131	5.88071	5.78537	6.25398	6.16879
MYD88	7.91593	7.06674	7.50163	8.53759	6.91643	8.71273	8.6862	7.99308	8.78421
OXSRI	9.2133	9.06593	9.1019	9.62207	8.28547	10.8153	9.8745	10.4386	10.8849
XYLB	7.10864	6.90573	7.5182	7.01651	7.06737	6.16754	6.78498	6.3763	6.77946
WDR48	8.37231	8.22043	8.21796	7.17801	5.46245	6.96559	7.56092	7.74171	7.50779
ttc21a	6.41233	6.16082	6.21059	5.95385	6.50112	6.13927	6.08286	5.98978	6.18234
CCR8	4.48942	4.57801	3.98442	4.42452	5.27155	4.87883	4.60265	4.07154	4.94385
MOBP	4.67588	4.56869	4.11736	4.881	6.09936	4.78455	4.95133	5.03707	4.93862
MYRIP	6.70082	6.63413	6.79602	6.16744	6.30698	6.71516	6.46688	6.45829	6.35799
EIF1B	5.2674	5.50973	5.43656	5.08495	4.47282	5.43146	5.75485	6.75697	5.47274
entpd3	8.19269	9.45247	9.28421	8.99675	7.66164	8.92607	9.31112	9.48907	9.0995
RPL14	7.28475	7.26036	7.33206	6.90756	6.3602	6.61105	7.15414	6.76703	6.73225
ZNF619	6.32798	6.74118	6.61966	5.66276	5.69164	5.972	5.44743	5.74395	5.86506
ZNF620	5.75091	5.884	5.86504	5.72562	6.38986	5.76245	5.56771	5.61305	5.36852
ZNF621	7.7627	7.90493	7.94847	6.60718	6.27882	5.90149	6.61692	6.64478	6.53122
VIPR1	8.26398	8.51667	8.37377	7.64346	8.3121	8.20236	8.81486	9.22949	8.47762
SS18L2	8.22462	7.65404	7.51911	8.73587	7.68778	7.76717	8.82684	9.31749	8.78271
NKTR	9.16193	9.58675	9.55914	7.04928	5.25054	6.16979	6.76048	8.76083	7.75594
ZBTB47	6.53642	6.85738	6.98276	6.83415	5.97988	6.92453	7.10073	7.12428	6.99778
KLHL40	5.7726	5.84543	5.9275	6.67907	5.75456	6.58993	6.56013	6.23705	6.29941
ACKR2	5.53152	5.89327	5.96259	5.33859	5.96425	6.05896	5.68969	6.87462	6.55861
ZNF662	7.45385	7.1742	6.92678	7.29984	6.75196	6.82953	6.89219	6.6201	7.24904
KRBOX1	5.34458	4.86902	5.34463	4.86409	5.10218	5.32269	4.9704	4.48162	4.83312
SNRK	8.47141	8.29829	9.10656	8.02272	6.53216	9.2326	8.40014	9.29967	9.4772

ABHD5	10.0519	9.6624	9.79432	9.96002	10.3089	10.1045	9.8501	10.5854	10.0784
MIR138-1	5.43775	6.329	5.48915	6.22823	7.67319	7.56978	6.54423	8.45695	6.94492
TOPAZ1	3.5561	3.67541	3.58325	3.81807	4.10583	4.17675	3.78136	3.82071	3.65666
TCAIM	7.94537	8.06871	7.82721	7.31164	5.77963	6.88555	7.61066	6.58499	7.40573
ZNF445	5.19872	5.38208	5.41381	5.85253	6.00901	5.5366	6.07812	5.3189	5.48421
ZKSCAN7	5.72501	5.9255	5.59202	5.64176	6.16899	5.9601	6.00344	5.69322	5.94326
ZNF660	6.08435	5.83376	6.07747	5.63072	6.30222	5.75263	5.56984	4.92859	5.21717
ZNF197	6.6919	6.98125	6.869	6.163	5.86429	5.91316	6.63948	6.05024	6.22197
ZNF35	6.82947	7.22878	6.9398	6.04585	5.13824	6.16143	6.91137	6.14288	6.30021
ZNF502	6.77831	6.77448	6.72432	5.86717	5.6911	5.27148	5.9434	5.14956	5.73274
ZNF501	5.19967	5.59594	4.7488	4.90854	4.98397	5.38674	4.78728	5.03147	4.51832
KIF15	6.41762	6.17818	6.07712	5.90617	5.28859	4.91605	6.06171	5.75468	5.20077
TMEM42	5.66477	5.75868	6.12548	6.29678	5.9847	6.03757	6.04302	5.69761	5.93222
TGM4	5.57326	5.60011	5.81205	6.25595	6.9175	6.31787	6.0031	6.70536	6.8255
EXOSC7	7.98695	7.86883	7.97228	7.00333	6.34377	6.39081	7.19624	6.6451	6.48645
LIMD1	8.05434	7.75846	8.25157	6.85133	7.82143	7.50956	7.71633	7.47994	7.7034
SACM1L	8.75333	8.79016	8.8883	7.55449	5.62642	7.0261	7.87946	7.76316	7.93656
CCR9	5.44088	5.08779	5.20707	5.73343	6.96165	5.48869	5.80459	5.7187	5.86877
Cxcr6	4.67074	4.89767	4.9931	5.10599	5.39986	5.23569	5.25967	5.48047	5.38307
CCR3	3.74275	4.03383	3.97496	4.27212	5.1441	4.08293	4.14877	4.50812	4.10781
CCR2	4.8958	4.94232	4.93301	4.975	5.68533	5.40126	4.97283	5.08914	5.19737
CCR5	3.29423	3.61224	3.56868	3.87107	4.64342	4.25832	3.75034	3.72036	3.94245
CCRL2	5.71947	5.70073	5.57727	5.68651	6.63914	6.16295	5.85975	5.91207	5.72974
RTP3	5.75867	5.64059	5.68714	5.96028	6.15794	5.98643	5.70664	5.68528	5.76557
LOC100132146	4.45429	4.50632	4.80591	4.79754	5.49152	5.21909	4.9086	4.93193	5.08077
TMIE	5.767	5.63641	5.86557	6.763	6.03352	6.90648	6.25526	6.39413	5.96919

PTH1R	5.43019	5.26475	5.47887	5.45625	5.39901	5.65539	5.7505	5.34884	5.94392
NBEAL2	9.27152	8.62376	9.09916	9.12835	7.58188	9.51609	9.33367	9.38798	9.38107
KIF9-AS1	5.08285	4.85576	5.26362	5.22424	5.24467	5.04974	5.60554	5.16217	5.4469
KLHL18	8.35104	8.16753	7.86049	8.20206	7.59899	7.78759	8.18038	8.26605	8.68619
DHX30	7.89202	8.09297	7.91807	7.64965	6.94169	7.14248	8.11254	7.36612	7.35765
MIR1226	6.37469	6.31065	6.47732	7.53165	7.7234	7.84246	7.58952	7.5302	7.43664
CAMP	5.87962	6.26709	6.1275	6.20639	6.36646	6.70958	6.1546	6.32303	6.15303
ZNF589	7.1595	6.68837	6.82343	6.61401	5.55569	6.34769	6.59159	6.78573	6.88986
FBXW12	4.2393	4.66423	4.73397	4.76821	4.81293	4.82378	4.57491	4.85001	4.62117
ATRIP	6.67455	6.46362	6.04243	6.48294	5.14998	5.97411	6.42654	6.27119	6.06153
TREX1	6.95533	7.03253	7.04299	7.07727	7.01212	6.83001	7.36773	7.01225	6.73042
ARIH2	8.4592	8.45285	8.39375	8.14364	6.54319	7.57491	8.30639	7.87328	8.23451
wdr6	7.1126	6.84848	6.97186	6.60519	6.36567	6.25083	6.84582	6.57928	6.76482
KLHDC8B	8.00704	6.88167	7.58184	7.18865	6.29009	6.76284	7.58557	6.74859	6.31296
CCDC36	5.69279	6.26368	5.87176	5.26744	6.10379	5.15497	5.52882	5.89077	5.55527
C3orf62	4.97622	5.81809	4.9316	4.43477	4.87893	3.26908	4.57586	3.45026	3.92337
TCTA	6.96016	7.37415	7.00121	7.17128	6.36714	6.90588	7.63774	6.86281	7.47053
NICN1	4.39992	5.07724	4.87469	5.06905	3.9299	4.76434	4.95331	4.79574	4.84563
DAG1	7.87298	7.5092	7.84888	6.84173	6.72844	6.70688	7.57039	7.12466	7.66781
BSN	5.4342	5.52928	5.76537	6.33098	6.08199	6.15833	6.23561	6.15938	6.06842
APEH	8.16003	8.16361	8.04557	8.96177	7.01711	8.34862	9.05881	8.05854	8.27905
RNF123	7.00983	7.02757	6.76935	7.19405	6.70244	7.07347	7.35815	7.14885	7.29277
MST1R	6.2547	6.47453	6.43901	7.03961	6.95413	7.22335	6.89387	6.78981	6.88303
RBM6	8.21896	8.33567	8.04386	7.59387	6.68888	7.13943	7.65379	7.56462	7.72448
RBM5	9.82319	9.73865	9.57125	8.68773	7.19544	8.76082	8.50517	8.67221	9.20674
CYB561D2	6.40429	6.08401	6.30824	6.88732	6.36974	6.62675	6.79256	6.57351	6.62483

HEMK1	6.80233	6.56546	6.46812	6.53076	6.49363	6.76046	6.53646	6.4405	6.54818
MAPKAPK3	7.89104	7.99879	7.91122	8.19439	7.96108	7.88449	8.48989	8.12048	8.06559
DOCK3	6.9084	7.23632	7.0051	6.6516	6.88308	6.66691	6.81636	6.85693	7.07832
MANF	7.5336	7.69817	7.54649	8.32077	7.56109	8.60281	8.38367	8.07094	8.27378
RBM15B	7.19641	7.14952	7.08054	7.65209	6.18534	7.42479	7.87456	7.17289	7.23965
RAD54L2	7.49316	7.52969	7.60846	7.02888	6.17221	6.94306	7.65542	8.19311	7.44405
TEX264	6.29966	6.47621	6.28637	6.60709	6.52357	6.26176	6.4857	6.29284	6.55511
IQCF4	4.65132	3.94728	4.09865	4.54735	4.82806	4.48604	4.71245	4.25753	3.95637
IQCF3	4.83952	5.22527	4.8209	4.98399	5.32351	5.33783	5.16396	5.2218	5.23568
IQCF2	2.83249	2.69284	2.5452	3.36383	4.00398	3.52654	3.90021	2.93364	2.89147
GPR62	5.09776	5.29674	5.39389	5.692	6.10312	6.1576	5.53345	6.09564	5.92551
ABHD14A-ACY1	6.52409	6.3561	6.68598	7.30542	6.52871	6.88295	7.5258	6.54215	6.64072
GLYCTK	5.83497	6.12011	6.28929	6.66419	6.39681	6.86038	6.383	6.6214	6.5707
PHF7	7.54481	7.44961	7.43194	6.83121	6.64034	6.44364	7.35533	6.27083	6.21893
NISCH	7.97406	8.34758	7.87774	7.40046	7.27057	7.417	7.52316	7.79733	7.34016
STAB1	6.90355	6.78427	7.0781	7.02067	6.50678	6.82578	6.76929	6.97964	6.91964
smim4	6.84183	6.86098	6.89193	7.58849	6.52852	6.80587	7.31278	6.53878	6.73892
SPCS1	8.52971	8.48683	8.78827	8.61667	8.10812	7.90576	9.06298	8.27194	8.58845
ITIH1	5.61165	5.77328	5.62712	5.88715	6.22283	6.12946	6.1677	6.32186	6.2408
ITIH3	5.79674	5.90388	6.00652	6.1149	6.61828	5.86005	6.09639	6.1381	6.0068
IL17RB	5.15089	5.20183	5.02005	5.32066	4.98609	5.45887	5.84281	5.12818	5.34318
CCDC66	6.46784	7.29641	6.84997	5.71021	4.68777	4.82505	6.10271	5.92954	5.38235
ARHGEF3-AS1	4.94989	4.81528	5.13818	5.03206	5.29876	5.8197	4.98596	4.76696	4.94154
SPATA12	5.38064	5.53972	5.82937	6.25991	7.19789	6.17858	5.70325	6.23361	5.86038
PDE12	6.95986	6.81191	7.08183	6.93309	3.87972	6.11795	7.61258	6.37659	6.61441
SLMAP	9.03765	8.84966	8.87711	8.41166	6.48103	8.6187	8.86587	9.1238	9.26561

ABHD6	8.12023	8.41466	7.98954	8.2001	7.84089	7.58736	8.01632	7.82131	7.75419
RPP14	8.199	8.11392	8.13043	7.6552	5.93037	7.45401	7.8698	7.59493	7.92067
PXK	8.63863	8.85255	8.64948	7.50608	6.40429	7.07948	8.06665	7.59783	7.55314
KCTD6	5.1717	4.96256	5.18228	4.62106	4.40646	4.60183	4.82233	5.2156	4.88764
SYNPR	4.02477	4.19552	4.07554	3.86885	4.73433	4.81516	4.45259	4.39792	4.24214
c3orf49	4.8411	4.38411	4.494	4.83123	5.17608	4.78848	4.86899	5.06548	4.89157
atxn7	9.31907	9.67743	9.42255	8.46385	7.23113	7.40438	8.1356	7.98865	8.33519
PSMD6-AS2	8.57575	8.95251	8.84158	6.31485	5.94298	5.42271	5.87156	6.43886	7.12804
PRICKLE2	4.38289	3.79835	3.95	4.17965	5.27777	4.62863	4.70055	4.21977	4.63019
PRICKLE2-AS2	3.65441	3.17649	3.67218	3.16799	4.16582	3.68071	3.75974	3.43178	3.87295
PRICKLE2-AS3	3.86847	3.59034	3.73237	3.72428	4.80261	4.13295	4.06213	3.97065	4.15939
ADAMTS9-AS2	6.96612	7.45766	7.37268	5.21539	7.02259	6.25214	5.54768	6.03147	5.51514
MAGI1-AS1	4.62536	4.58742	4.84999	5.202	5.39797	4.85537	4.61354	5.41095	5.14908
KBTBD8	5.2528	5.52202	5.42531	6.08318	5.6243	6.27939	6.21371	6.03063	5.96295
MIR4272	1.74978	1.97445	1.68314	1.97992	1.85645	1.85758	1.85656	2.21187	2.19757
TMF1	5.13371	4.95462	5.19539	6.72731	6.37506	6.74311	6.2504	5.60356	5.78622
ARL6IP5	10.2942	9.66186	10.6248	8.38206	7.04871	7.42004	9.29177	8.5013	8.00522
MITF	7.57061	7.05091	7.04278	5.75304	6.28085	5.21556	5.66944	6.23944	5.70308
GPR27	6.34116	6.351	6.34511	6.04279	6.20161	6.65674	6.11028	6.4052	6.3446
LINC00870	5.31867	5.5153	5.029	5.63947	6.207	5.80305	5.46399	5.68478	5.53795
GXYLT2	7.6609	7.53035	7.60957	6.95991	5.96741	5.79094	6.96973	5.23826	4.98834
EBLN2	6.33575	6.83957	6.78649	5.73941	4.59609	5.54343	5.71599	6.06081	6.03777
MIR4273	3.02741	2.90648	2.75832	4.22603	7.08885	3.22371	4.49762	2.82602	3.02814
MIR3923	1.90241	2.08731	1.72154	1.95798	1.82169	2.6198	2.0098	1.80877	2.18592
CADM2	4.52042	4.86087	4.79867	4.88087	5.28722	5.33639	5.54101	4.87116	5.02416
CHMP2B	8.5823	8.29823	8.79996	8.62037	6.162	9.40546	8.9752	9.13781	8.93381

ZNF654	7.99114	8.39991	8.0462	7.56554	5.69408	8.46791	7.81599	8.14168	7.65525
C3orf38	7.9178	7.82381	7.89002	7.1796	5.61821	6.67609	7.81754	7.32398	7.43451
EPHA3	5.70255	5.69819	6.10776	5.68811	5.45232	4.87476	5.31869	4.30795	5.17465
ARL13B	7.08207	7.21596	7.50084	6.77486	4.9275	6.23223	6.91212	6.17828	5.91926
LINC00879	2.52085	2.41675	2.2053	2.87242	2.87938	3.10402	2.76684	2.58672	2.82527
epha6	4.9236	5.13308	5.15708	5.5205	5.96112	5.36659	5.28386	5.26913	5.27724
ARL6	6.09425	6.29817	6.42987	4.90566	5.12757	5.69327	5.14847	5.59916	4.80592
CRYBG3	9.52562	9.61138	9.3655	8.75911	7.39184	9.44156	8.84415	9.59943	9.24164
CLDND1	6.53325	6.54804	6.57959	8.45435	7.4797	8.22008	7.8209	7.5773	7.386
GPR15	5.32931	5.78023	5.80143	5.40859	5.49881	5.55614	5.85097	5.45908	5.51098
CMSS1	7.30824	7.05842	7.61411	6.48451	6.10101	5.80666	6.95889	5.91955	6.27271
TMEM30CP	2.61977	2.61095	3.02295	3.04663	3.02363	2.71971	2.7683	2.80534	2.66921
LNP1	6.22435	6.16407	6.17462	6.25291	6.47965	6.24026	6.29433	5.83784	6.20598
TMEM45A	12.2646	11.6933	11.8304	11.5554	10.1952	10.6672	11.289	7.82584	9.91833
ADGRG7	4.43492	4.08412	3.99263	4.95151	5.55521	9.04954	4.31997	4.53253	4.512
TFG	9.65497	9.37491	9.59906	9.29113	8.20212	9.89236	9.68587	10.0406	10.1342
TRMT10C	7.77417	7.97053	7.67586	7.77921	6.49324	6.9552	8.19748	7.13409	7.62037
PCNP	9.15161	9.12013	9.21549	8.25205	7.57667	8.15898	8.69907	8.66133	8.64318
ZBTB11-AS1	6.5868	5.987	6.54503	6.69457	5.99683	7.1589	7.07619	6.6153	6.42041
PDCL3	8.47035	8.53431	8.10525	9.34461	6.49171	8.69572	9.54879	8.26833	8.82295
CEP97	8.06402	7.89624	7.86018	6.64356	5.97484	6.30113	6.62005	7.41352	6.78854
LOC152225	3.73019	3.5935	4.1123	4.06772	4.22695	4.41872	4.06322	5.34813	4.75658
ZPLD1	5.43401	5.49767	5.59129	5.52109	6.59917	5.703	5.1738	5.78588	5.64123
ALCAM	7.30322	6.52027	7.63544	5.99619	5.81369	6.16092	6.48835	7.2016	6.09896
DUBR	6.18975	6.09324	6.1676	5.88789	6.60854	5.76127	5.4218	5.52274	5.59295
CCDC54	4.36288	4.28866	4.03998	4.13756	5.43648	4.13905	4.37862	4.22505	3.88627

bbx	8.23927	8.06753	8.073	7.33814	6.17597	6.52524	7.29311	7.55059	7.12049
LINC00636	5.44011	5.44427	5.69693	6.21909	6.60828	6.4676	6.82543	6.33448	6.66348
HHLA2	2.91013	2.82697	3.02578	3.52835	3.38756	3.03201	3.0987	3.12283	3.53458
trat1	5.08328	5.01002	5.41604	4.2049	4.60478	4.63875	4.75178	4.29503	4.35384
FLJ22763	4.63579	4.92018	4.58748	5.18808	5.71543	5.44974	4.69755	5.04094	5.28979
LINC00488	4.3705	4.51282	4.71202	4.77657	5.63903	5.191	4.80526	4.71484	5.17112
LINC01205	3.50496	3.28133	3.63186	4.42347	4.65529	4.06493	4.77267	3.95626	3.78203
MIR4445	2.53145	1.81297	1.90297	2.49699	1.98465	1.73314	2.17084	2.34599	2.21654
NECTIN3	6.92689	6.86403	7.17563	6.6739	6.65091	6.63897	6.48237	6.78067	6.54534
CD96	5.25684	5.56576	5.88958	4.81549	5.22839	4.36783	5.23954	4.89922	4.57567
ABHD10	7.07162	7.07422	7.06133	6.4906	5.52941	6.24438	6.57807	6.96897	6.01264
TAGLN3	5.21145	5.2453	5.27497	6.20866	5.74591	6.51032	5.66594	6.18825	6.26851
c3orf52	9.31606	9.4994	8.66376	7.43607	6.37583	6.79495	7.32693	8.01807	8.0247
MIR567	5.59512	5.37617	5.08427	4.19938	3.48802	3.38244	3.20503	4.21855	4.02752
CD200	7.54268	6.96733	7.35327	6.39531	7.21154	6.04879	6.98007	7.17255	7.41986
GTPBP8	6.56034	6.47567	6.42602	6.35853	5.05905	6.35091	6.84362	6.11819	6.0883
BOC	8.63769	8.89131	8.66652	6.4712	6.01699	6.23443	6.47872	6.07297	6.10174
CFAP44-AS1	5.17112	4.89982	4.98574	5.12011	5.03896	5.21034	5.09657	4.97022	5.06607
MIR4446	4.94901	4.48792	5.03049	5.40067	6.04227	5.47405	5.01534	5.08603	5.10186
GRAMD1C	9.0472	9.29465	8.28634	8.03097	6.2138	6.67084	7.53061	7.08698	8.11972
QTRT2	7.14739	7.10687	7.39585	6.48023	6.24612	6.13866	6.75726	5.93458	6.37143
Tigit	5.04989	5.20448	5.18139	5.03118	5.69932	5.20609	4.94086	5.32546	5.23531
ZBTB20-AS1	4.76837	4.81678	4.69809	5.14969	5.79812	5.38286	5.8399	5.40328	5.50018
GAP43	5.57223	5.83374	5.98542	6.18969	6.52475	6.33961	6.05288	6.15143	6.17253
TUSC7	3.94822	4.07796	3.76271	4.68715	4.45343	4.65077	4.84688	4.24494	4.13201
IGSF11-AS1	4.44081	4.57908	4.53922	4.84045	4.92699	5.0427	4.65589	4.70401	5.0656

C3orf30	3.33793	3.59548	3.14474	3.38052	3.49686	3.94782	3.63102	3.41381	3.63729
UPK1B	6.27889	5.97065	6.13188	8.09395	8.22157	8.13245	9.65586	12.115	10.6425
ARHGAP31	8.04473	8.12927	8.51591	6.85591	6.47111	6.51128	6.61057	6.78523	7.13968
POGLUT1	7.36162	7.3	7.57281	5.9519	5.81448	5.35995	6.8082	5.20218	6.48417
TIMMDC1	10.9138	10.3281	10.6245	9.56001	7.23612	8.89642	9.98791	9.12621	10.0018
ADPRH	5.54527	5.83118	5.78039	5.96337	6.50446	5.79223	5.84006	5.91612	5.91416
PLA1A	5.19684	4.9863	5.74292	4.72158	5.95649	5.53495	5.19322	5.12632	5.19892
MAATS1	4.95245	5.72281	5.42965	5.49206	5.95162	5.27427	5.20056	5.14026	5.36186
STXBPL	3.73555	4.08748	4.20947	4.09472	4.55189	4.86672	4.53252	4.29592	3.84746
ARGFX	4.82573	4.65637	4.87613	5.14957	5.69568	6.27405	5.86387	5.62496	5.89236
FBXO40	5.09045	5.32633	5.07258	5.5226	7.07087	5.34249	5.6167	5.50866	5.33018
EAF2	6.04171	5.58921	5.96771	4.80874	5.73692	5.03272	5.06481	4.91754	4.83807
CD86	6.11494	5.57752	6.39132	6.20707	7.199	6.60048	5.67583	5.63563	6.13431
CASR	5.39359	5.81075	5.57941	6.326	6.33575	5.70602	6.09065	6.02431	6.21226
CSTA	11.5422	11.5496	11.7708	12.526	12.6677	12.517	12.6376	12.7169	12.8825
DTX3L	8.84592	8.10772	8.16064	7.9051	7.36392	7.74207	8.50778	7.53584	7.77531
DIRC2	10.9086	11.1201	10.7357	9.8639	9.89635	9.26394	10.6503	10.42	9.88043
LOC100129550	8.08399	8.36413	7.86801	6.67208	6.89818	5.88325	7.42626	6.49923	6.81497
MYLK-AS1	6.2631	6.02917	6.24403	6.36246	7.15711	6.72419	6.64419	6.15224	6.29515
UMPS	7.58471	7.62841	7.51788	7.67412	5.92552	7.14355	8.41664	6.66277	7.33255
MIR544B	3.92103	5.40742	5.18727	3.99776	3.58666	3.19377	3.98824	3.72693	3.92444
ROPN1B	4.84351	5.37121	4.3936	6.16212	5.16473	6.06495	5.50112	4.59609	4.97856
ALDH1L1-AS2	5.38866	5.78724	5.41984	6.23757	6.53083	6.11066	6.04669	6.38062	6.12311
CFAP100	5.25338	5.45214	5.67236	6.17446	6.12306	6.63945	5.9088	6.51868	6.12871
CHST13	6.20539	6.14387	6.00624	6.58869	5.83944	7.24095	7.01286	6.96393	6.72894
NUP210P1	4.28168	4.69717	4.36329	5.00193	6.00611	5.19329	4.80729	4.93513	4.81842

CHCHD6	5.68055	5.6115	5.5354	5.66351	5.73804	5.62349	5.47798	5.43055	5.51372
plxna1	8.54911	8.77375	8.6449	8.48392	6.12732	8.24166	8.8333	8.04005	8.72524
MCM2	6.82428	6.62771	6.85019	7.12766	6.9219	6.97224	6.90505	6.97094	6.873
PODXL2	6.78992	7.02061	7.26891	7.21155	6.68554	6.79727	7.13001	6.80824	6.59891
ABTB1	6.20238	6.25195	6.15779	6.92589	5.99606	7.03335	6.77329	7.01025	6.92901
KBTBD12	3.37724	3.35596	3.26002	3.44762	3.51113	3.50048	3.72282	3.44006	3.23709
SEC61A1	10.6439	10.3595	10.5775	10.6827	9.28009	10.17	10.5266	10.3657	10.6533
LOC90246	5.5411	5.57461	5.77365	5.62335	6.34765	5.66349	5.65117	5.64354	5.64846
efcc1	6.73616	6.13977	6.78702	7.10464	7.26186	7.03797	6.93713	7.37164	6.9755
GP9	5.20859	5.96827	5.81644	6.145	6.21571	6.79426	6.04978	6.34911	6.53629
HMCES	8.83028	8.87972	8.64517	9.00211	5.92203	8.74886	9.04185	8.82859	8.90106
H1FX-AS1	5.62708	5.46196	5.72859	6.29317	6.38197	6.3434	5.95708	6.2851	5.98475
IFT122	7.39647	7.55052	7.36463	6.64894	6.08504	6.29515	6.39384	6.56087	6.46454
RHO	5.86789	5.91132	5.99606	6.31378	7.05539	6.53153	6.44139	6.44499	6.50904
TMCC1-AS1	5.8278	5.95602	6.04558	6.42388	6.73051	6.49143	5.69416	6.23818	6.46742
TRH	5.98484	6.36877	6.25467	6.20066	7.18475	6.75133	6.23667	6.39697	6.51105
ALG1L2	6.37847	6.36925	6.74658	5.79671	7.20966	6.69005	6.45478	6.04101	6.32526
NEK11	7.21667	6.73246	6.786	5.67456	6.666	6.41782	6.76119	5.75439	6.29499
NUDT16P1	6.867	7.0213	7.23074	7.8356	7.84334	7.59111	7.13846	7.98215	7.32076
NUDT16	6.20309	6.54095	6.67614	6.53498	6.35635	6.32329	6.55386	6.1297	6.22576
ACKR4	6.90595	5.8598	5.8981	6.34748	4.83747	5.0787	5.51404	4.05447	5.06242
UBA5	7.21937	7.57726	7.48175	6.65473	4.69013	6.1112	7.12667	6.60798	6.10348
TMEM108	4.69125	4.83233	5.01997	5.34265	5.17865	5.25729	4.94741	4.94818	4.92446
CDV3	10.6807	10.3557	10.7588	10.7194	9.43313	10.6932	11.0674	10.8018	11.2923
TF	5.13164	5.29182	5.57311	5.32402	5.48084	5.33461	5.06544	5.38412	5.39193
MIR4788	3.85542	4.13684	3.9823	4.61533	4.44597	4.89191	4.4707	4.39135	4.57336

CEP63	7.21291	7.55581	7.35936	6.48018	5.8706	6.27081	7.21244	6.30967	6.324
EPHB1	5.95039	6.72223	6.30094	6.19697	6.25086	6.5806	5.90499	6.22868	6.1451
NCK1	8.88718	9.04465	8.79765	8.26177	6.86276	7.00946	8.6798	7.17721	7.24554
IL20RB	11.7541	11.4987	11.2621	9.95797	8.92039	9.06008	10.1487	9.72213	10.5414
SOX14	5.03171	5.20783	4.92945	5.58323	5.41562	5.68066	5.47927	5.29264	5.33159
CLDN18	4.89752	4.72565	4.86473	5.82965	6.47366	5.84994	5.33315	5.50776	5.67796
ARMC8	8.31273	8.56159	8.41745	7.7705	6.34432	6.95864	7.95082	7.71329	7.9123
MRAS	5.65506	6.58434	6.06505	5.29357	6.13076	5.52301	5.47874	6.28568	5.89065
ESYT3	8.94521	9.20635	8.65763	8.57523	8.75183	9.61942	8.39199	9.6414	9.26324
FAIM	6.88821	6.52434	6.61832	6.01669	4.57644	5.59154	6.95123	5.04133	6.49141
FOXL2NB	5.74936	5.89562	5.92832	6.24001	6.32022	6.54458	6.24085	6.31655	6.71701
MRPS22	7.49984	7.55762	7.62407	7.8771	7.67817	7.90547	8.37926	7.8365	7.86338
CLSTN2	6.46513	7.59371	8.10684	5.85135	7.10094	5.92142	6.34669	5.86452	6.01278
TRIM42	4.78088	4.91992	4.61229	5.48989	5.89889	5.25932	5.31978	4.88214	4.87585
SPSB4	5.89166	6.08471	5.90491	6.3664	6.53155	6.29675	6.57173	6.44606	6.13819
PXYLP1	6.55577	6.64749	6.3052	5.8799	6.40286	6.05919	6.02188	5.83964	5.26832
ZBTB38	7.31274	7.35627	7.3991	6.89957	7.19995	6.59762	6.86082	7.38262	7.75393
RASA2	8.63523	8.75314	8.60758	8.20214	6.26226	7.31641	8.19961	9.33936	9.06189
RNF7	8.6583	8.03429	8.62986	7.46397	6.05384	7.01368	8.52749	7.15613	7.8169
GRK7	5.65867	5.81773	5.8679	5.79158	6.73005	6.94608	6.01737	6.06228	6.14543
PLS1	6.38759	5.56666	6.40149	6.00949	6.23042	5.87551	6.30098	6.60373	5.84442
LOC100507389	4.32728	4.56216	4.40013	5.23897	6.02783	5.14932	4.92187	4.652	4.84042
U2SURP	9.29533	9.26514	9.29467	8.13297	5.76838	7.34763	8.57967	8.03662	8.15705
CHST2	4.4394	5.09365	4.44466	5.53701	5.58875	5.6103	6.28194	5.59572	6.38889
SLC9A9-AS1	3.26148	3.43439	3.12805	3.77229	3.20236	4.42879	3.85846	8.41327	6.36413
c3orf58	7.15606	7.25532	6.97502	6.76735	7.3965	7.59926	7.00362	6.73756	7.3729

ZIC4	3.63377	3.41791	3.60901	4.27261	4.79378	3.83088	3.83248	3.55316	4.04531
ZIC1	5.16479	4.85442	4.81718	5.21178	5.48955	5.50432	4.98068	5.23929	4.74053
CPB1	4.207	4.30952	4.19721	4.3016	5.41297	4.78786	4.52915	4.38498	4.43113
CPA3	9.01889	5.9483	8.81298	4.45225	4.87757	6.82081	8.47028	5.93759	8.11685
GYG1	6.11274	5.70789	6.11727	6.13777	5.39304	5.98703	6.82932	5.12819	6.00317
HLTF	5.47603	5.88243	5.63598	6.98109	6.17623	6.81408	6.65156	6.04543	6.40526
HPS3	8.99833	8.98791	9.23303	7.52799	6.86831	7.04486	7.89916	7.85228	7.52966
TM4SF4	4.06569	4.18976	4.2514	4.69119	5.79856	4.78643	4.31349	4.2966	4.65914
WWTR1-AS1	5.08118	5.09898	5.4521	5.56846	5.67721	6.39857	6.37089	6.07789	6.00123
RNF13	9.67893	9.67905	9.97533	8.80077	7.29773	9.00283	9.29701	8.92381	8.64924
LOC646903	4.89817	4.79539	4.76738	4.05162	5.00104	4.38336	4.44882	4.57964	4.74767
SELENOT	8.53429	8.0544	8.58481	8.43136	8.36261	8.43174	8.62159	9.01669	8.79651
CLRN1-AS1	4.33683	4.72297	4.64448	4.88367	5.46713	4.94716	4.80088	5.31676	4.98301
MED12L	5.80383	5.79686	5.65929	5.99884	6.31833	6.00415	5.89515	5.88976	5.98502
AADACL2	9.92156	9.56286	9.25922	8.76813	5.49407	6.40111	6.55827	4.93461	5.60892
AADACP1	3.46372	3.36569	3.47458	3.84094	3.4553	3.63723	3.44298	3.64698	3.40514
aadac	8.96738	9.49112	7.07443	7.12256	5.47169	5.60525	5.31327	5.04197	5.02229
SUCNR1	4.67313	4.43076	4.75802	3.58001	5.05439	3.85904	4.03012	4.36831	4.0226
MBNL1	11.5908	11.4118	11.736	10.8975	9.47048	10.1611	11.1782	10.8463	11.207
ARHGEF26	8.23325	8.27732	8.03285	6.73133	5.8387	5.82559	6.43111	6.14433	5.0529
MME	6.8023	6.30467	6.93621	6.78601	5.80625	6.12761	5.86799	6.01321	6.0163
GMPS	9.35398	9.35638	9.6838	8.56121	5.53916	7.77849	8.84379	8.02386	8.38416
TIPARP	9.84535	9.04911	8.73134	9.5016	8.8921	10.888	9.50197	10.0918	9.39883
LINC00881	4.13701	4.79408	4.45157	4.88342	5.67257	5.12941	4.92523	4.71209	4.74784
PQLC2L	4.3347	5.00395	5.53357	4.94727	5.39927	4.62655	4.52094	4.68298	4.31297
RSRC1	7.17351	7.50833	7.57554	6.70062	6.15743	6.48408	7.00971	6.28924	6.26537

MLF1	6.21155	5.82815	5.52454	5.73814	5.32517	6.87781	7.08536	5.41254	5.72841
MFSD1	5.61712	5.3609	5.69504	5.88069	5.00227	5.64768	5.71661	5.26685	5.6368
IQCJ	5.25025	5.19469	5.17939	5.38359	6.08831	5.23647	5.32946	5.42933	5.24997
MIR3919	2.47329	2.16144	2.19233	2.16715	1.98466	2.50168	2.0826	2.35151	2.575
c3orf80	5.77871	5.33887	5.65643	6.43046	5.52139	5.89585	5.62756	5.45757	5.44689
SMC4	7.89079	7.81117	7.61717	6.94416	4.67141	5.68559	6.67075	6.92275	6.46901
mir15b	4.58265	4.27713	3.94378	3.6309	3.15423	3.79508	4.11758	3.74443	3.70489
MIR16-2	5.14256	5.20898	4.89967	4.9248	4.70967	4.78772	5.04769	5.32304	4.85894
ARL14	3.79738	3.51279	3.4541	4.26672	3.94223	4.37493	5.28819	4.83687	5.11281
NMD3	8.39739	8.14879	8.23476	8.25161	5.85243	7.76019	8.21329	7.68608	7.80285
OTOL1	4.61781	4.62677	4.70127	5.16834	4.20143	5.33455	4.85047	4.94662	4.84679
LINC01330	3.76517	3.64412	3.86559	3.81573	4.16984	3.86559	3.61272	3.46515	4.00547
MIR551B	6.18679	6.07792	6.31591	6.57853	6.86436	6.42982	6.44126	6.82911	6.7364
MYNN	7.85789	7.3659	7.38398	7.02949	5.24483	7.25133	7.56653	7.10531	6.7634
LRRIQ4	2.42403	2.46388	2.53998	2.8262	4.41424	3.29599	2.71227	3.01325	3.11952
SAMD7	3.37501	3.36864	3.24622	3.76837	4.25893	4.0147	3.73699	3.50546	3.7152
SEC62	7.71752	8.00674	7.73072	7.33504	5.92203	6.96293	7.63659	7.56352	7.34237
gpr160	5.31918	4.94891	5.20652	5.01282	5.19861	6.16475	5.45838	5.85951	5.23416
SKIL	8.49444	7.92107	8.409	8.86329	6.53277	8.74234	8.55992	8.45844	8.98985
CLDN11	5.2666	5.2798	5.67229	5.6728	6.26164	5.46475	5.06929	5.57363	5.65957
TMEM212	4.65656	4.84655	4.88591	4.78941	5.75754	5.04702	4.8794	4.44478	4.81759
FNDC3B	9.13836	8.70813	8.9739	8.59015	6.64524	8.13488	8.80935	8.94544	8.91532
ECT2	7.64448	6.93694	7.02931	7.59672	5.12578	7.27675	7.86845	7.76789	7.59662
nlg1	4.26892	4.71701	4.7508	4.46079	4.83926	4.46941	4.49747	4.00419	4.40671
NAALADL2	6.01451	6.01363	6.49008	4.82252	5.13348	4.61204	4.92878	4.42084	4.28112
MIR4789	4.47905	4.8539	4.44722	2.91903	3.8803	3.16454	3.81033	4.1644	4.27582

LINC00578	4.42932	4.64837	4.77891	4.77601	4.93694	4.79385	4.54084	4.95432	4.81993
ZNF639	6.59919	6.39164	6.69337	5.85033	3.97078	5.354	6.59849	5.61113	5.57538
MFN1	9.59062	9.66004	9.34293	9.47498	6.83046	9.20538	9.69312	9.53831	9.64487
ACTL6A	7.83099	7.13926	7.93652	7.49842	6.15354	6.58582	7.89752	6.58244	6.90706
USP13	6.27019	7.03188	7.09068	6.13828	6.09615	6.01239	5.66635	5.76647	6.05108
PEX5L	2.82591	2.89468	2.4775	3.41251	4.70652	3.62468	2.95472	3.18831	3.40003
TTC14	7.72543	8.21616	7.81393	6.53848	5.72658	5.89755	6.57844	6.21767	6.79095
SOX2-OT	4.10871	4.10486	4.4047	4.23346	5.02863	4.16862	4.18312	4.17188	4.07864
SOX2	5.61603	5.61588	6.1161	5.87213	5.57221	5.89544	5.71745	5.38104	5.68046
LINC00888	5.25222	5.35842	5.341	6.03679	5.69265	5.64986	5.64699	6.07176	5.7342
KLHL24	7.97412	7.96631	7.91894	7.04747	5.79728	6.58501	7.48645	7.34399	6.58492
YEATS2	8.64283	8.64707	8.57625	8.20395	7.44042	9.32069	8.32991	9.25884	8.36365
ABCC5-AS1	4.65707	4.70162	4.46782	4.5137	6.47988	4.42809	4.64655	4.59906	4.56798
VWA5B2	6.01276	5.61986	5.85367	6.1344	7.03118	6.19996	6.1076	6.44668	6.1198
MIR1224	5.14777	4.82125	5.40294	6.46984	5.98866	7.10349	5.94433	6.68208	6.61177
ECE2	5.90956	5.73404	5.95387	6.09501	6.6571	6.00756	6.13413	5.93412	5.98336
POLR2H	8.14197	8.06479	8.03948	8.18791	6.39737	7.28728	8.13946	7.4262	7.94567
CHRD	5.88928	6.01871	6.00723	6.5187	6.24949	6.41142	6.16176	6.3896	6.42556
EPHB3	8.34878	8.44477	8.09113	9.08053	7.75946	10.6373	8.96073	9.86186	9.62751
VPS8	7.70653	7.65534	7.52022	6.76884	5.80729	6.47194	7.06475	7.30659	7.15916
EHHADH-AS1	4.60354	4.88327	4.47375	4.82862	5.88491	5.34663	4.94834	5.23982	5.08034
MAP3K13	7.17587	7.38884	7.1914	6.94764	6.37052	7.00677	6.88785	7.27811	6.94272
SENP2	6.55143	6.53846	6.89857	6.59567	4.98494	6.34711	6.60826	6.51344	6.29382
IGF2BP2-AS1	4.63137	4.65252	4.89362	4.82908	5.82448	5.37954	4.73799	5.5902	5.6605
NMRAL2P	7.94488	8.66618	7.43973	6.57501	5.67519	5.90459	6.44288	6.16004	6.94972
AHSG	5.19908	5.27693	4.99298	5.38483	6.76648	5.48357	5.0111	5.64317	4.99828

FETUB	9.60606	8.88476	8.11681	9.71001	8.42624	6.90638	8.50732	5.36275	7.02851
HRG	4.02485	4.04383	5.24616	4.07792	5.27525	4.00971	4.07237	4.74894	3.89954
kng1	4.12572	4.24613	4.25431	4.36026	5.45757	4.57235	4.15204	4.78056	4.67348
RTP1	4.75136	5.0241	5.04122	5.14679	5.97238	5.61923	5.15143	5.42095	5.5327
RTP4	5.65857	5.28793	5.46081	5.5992	5.79835	5.88148	5.85968	5.86563	5.52198
LOC100131635	5.09429	5.16258	5.10044	5.32826	5.76152	5.88016	5.38567	5.45619	4.75568
LPP	8.23535	7.97478	8.1736	6.63821	6.03024	6.73849	6.79801	7.49445	7.74785
FLJ42393	6.99972	6.77714	7.05714	6.79515	7.04262	5.8223	6.2514	6.81539	6.9419
MIR28	4.8027	5.92335	4.8056	4.97438	4.72868	5.02372	4.421	4.50476	5.00812
TPRG1	6.69044	7.18683	6.99164	5.92583	6.51837	6.232	6.11362	6.14195	5.8608
TP63	11.1342	10.8539	11.0723	10.4664	8.18849	9.92447	10.8138	10.3	11.0113
MIR944	5.36973	4.47059	5.74576	3.8262	3.10101	2.83063	2.78009	5.12806	5.71695
CLDN16	6.237	5.8617	5.54423	5.63689	6.80542	5.73004	5.5239	6.22849	5.9395
IL1RAP	7.85385	7.46394	7.56661	7.56834	5.96425	7.12881	7.82199	8.25036	7.94395
SNAR-I	6.99909	7.02291	7.3532	7.51505	9.02669	7.5458	7.31206	7.8444	7.5533
OSTN	3.56148	4.04551	3.43069	3.64942	4.0086	3.6065	3.41522	3.46416	3.30378
CCDC50	9.01716	9.10018	9.31154	8.62749	6.47432	8.28691	8.50045	8.84198	8.52842
PYDC2	4.34275	4.39474	4.40426	5.14348	5.01153	4.93102	5.30606	4.8766	4.84557
HRASLS	6.79096	6.38225	6.424	5.42651	5.30756	5.91809	5.01351	5.04888	5.09816
MGC2889	5.99403	6.34402	5.15809	4.32274	5.50367	4.55818	3.94347	3.97184	4.53317
OPA1	8.43729	8.64852	8.63474	7.95477	6.17495	7.94564	8.40994	8.48708	7.94544
LINC00884	5.53984	5.86584	5.6066	5.82562	6.89965	6.27447	5.96988	6.05748	5.72652
TMEM44-AS1	6.21731	5.61834	6.09817	6.0461	6.04796	5.98879	5.50281	5.50519	5.50402
LOC100507391	4.48388	4.19612	4.4584	4.77577	5.71358	4.63514	4.57186	4.65759	4.59844
MIR570	7.18756	9.64116	9.65816	7.70522	6.45726	6.4977	6.54792	7.36971	7.54872
LINC00885	6.12733	6.37777	5.90445	6.39289	6.06322	6.05567	5.84717	6.02374	6.1869

SLC51A	5.96509	6.2012	5.87468	6.39964	6.32566	6.48784	5.97919	6.19876	5.57323
FBXO45	8.11137	7.81605	7.8874	8.20376	7.13172	9.08208	9.16844	8.39534	8.6067
NRROS	5.7782	5.6167	5.86131	5.45892	5.82984	5.96607	5.90211	5.76476	5.80446
PAK2	8.35305	8.2725	8.40229	8.43207	4.53343	8.58602	8.63342	8.33017	8.40998
SENP5	7.82652	8.18057	7.89135	7.73292	6.55044	7.42366	7.60857	8.00853	8.13217
NCBP2-AS2	7.17457	7.30097	7.3851	6.98552	5.59788	6.91921	7.4804	6.69905	6.47295
MELTF-AS1	5.51908	5.99513	5.80169	6.67662	6.0791	6.47835	6.10303	6.0902	6.22614
DLG1-AS1	4.58052	4.73027	4.70285	5.52474	5.41312	6.09587	5.62188	5.50885	5.5774
FYTTD1	8.77832	9.05749	8.96118	9.34537	7.37403	9.70265	9.50306	9.25859	9.1894
LRCH3	8.5754	8.30142	8.34194	7.65373	6.39888	7.30743	7.87288	7.69677	8.19461
RPL35A	8.34912	8.35994	8.45067	8.50155	8.28787	8.38495	8.03436	8.14334	8.29448
LMLN	7.643	7.89131	7.54508	6.19461	6.21518	6.13331	5.91686	6.01974	6.21221
CNTN4-AS2	3.82912	3.63852	3.4111	3.898	5.06521	4.23081	4.25585	3.60381	4.07998
CRBN	8.45494	8.80374	8.59568	7.22023	7.0058	6.95318	7.75149	7.26612	7.0535
SUMF1	6.22136	6.31184	6.49503	5.86128	4.78364	6.10192	6.88998	5.91271	5.9401
EGOT	5.64955	4.6832	4.72634	4.79428	5.87501	5.52554	5.10102	5.32467	5.38528
BHLHE40-AS1	5.36151	4.58844	4.83218	4.77201	4.84227	5.16404	4.56131	4.68121	5.01063
MIR4790	1.9558	1.80633	1.65904	1.8232	1.79901	1.77725	2.45184	1.80733	1.94759
SSUH2	4.63026	4.81018	4.79043	4.98149	5.24781	4.89217	4.76679	4.79499	4.74403
oxtr	5.47532	5.75002	5.74517	5.99263	6.30994	6.67409	6.00285	6.12621	6.29419
RAD18	7.79158	7.58506	7.84028	7.40418	6.13255	6.17021	6.98521	6.33779	6.25575
SRGAP3	6.4744	6.83749	7.01553	6.15333	5.84111	6.20002	5.86901	6.31714	5.74142
Thumpd3-as1	7.18809	7.21052	7.27199	6.83413	5.87636	5.47126	6.43999	6.33463	6.8409
LHFPL4	5.85529	6.18044	6.03413	6.36583	7.10336	6.13358	6.1811	6.25524	6.31366
CAMK1	6.9183	7.09232	7.18054	6.52851	6.76132	6.26701	7.06897	6.75603	6.578
TADA3	8.5669	8.34384	8.38398	8.3888	6.67673	8.33432	8.21586	7.68491	8.38316

RPUSD3	7.24697	7.23049	7.23012	7.30261	6.61496	7.20948	7.57578	6.88565	7.06043
CIDEC	5.2393	5.54743	6.17613	5.26392	5.97668	6.24589	5.74211	5.79275	5.81295
PRRT3	5.08596	5.32104	4.9798	4.95611	4.91344	5.12069	5.12377	5.45385	5.28103
EMC3	9.06645	8.86473	9.23459	9.60106	8.34944	9.65219	10.0741	9.77017	9.60049
LOC401052	5.55564	5.72049	5.83753	6.35922	7.50884	6.38001	6.0248	6.74579	6.35239
CIDECP	6.5686	6.43248	6.13222	7.03863	6.21649	6.85526	6.92723	6.67964	6.81804
FANCD2OS	4.06663	3.98867	4.06319	4.95375	5.41756	4.99941	4.82596	4.28852	4.68284
MIR885	6.12279	6.03324	6.47978	6.23421	6.92645	6.81006	7.22752	6.82929	6.6439
LINC00606	4.9889	4.59683	5.23484	4.90453	5.54603	5.27025	4.80469	5.17265	5.11835
SLC6A1-AS1	3.74944	3.53801	3.8334	4.45837	4.21562	4.10564	4.26803	3.43038	3.48276
VGLL4	7.93576	7.60691	7.51221	7.51979	6.23226	6.86335	7.60872	7.11055	7.05452
TIMP4	5.29342	5.74597	7.51792	5.67199	6.39421	5.76024	5.22025	5.74614	5.79074
MKRN2OS	6.13996	5.96039	5.96399	5.88489	5.97119	5.74086	6.3623	5.67685	5.55373
RAF1	9.6707	9.59441	9.62611	8.84289	7.85369	8.69518	9.03422	8.80275	9.06606
TMEM40	9.39986	9.01238	8.91347	9.75829	10.5894	10.6149	10.1591	11.1758	10.8037
RPL32	6.77264	6.65511	6.82925	6.44914	5.24389	6.06475	6.33455	6.14597	6.36066
IQSEC1	8.53473	8.50716	8.60654	8.33197	7.14033	8.12771	8.57864	8.27297	8.47675
NUP210	6.8048	6.45344	6.65766	6.6134	5.56596	6.1624	7.05866	6.2948	6.46373
CHCHD4	5.69598	5.81485	6.17783	6.60931	5.32334	6.28384	6.87274	6.00252	5.62625
GRIP2	6.12851	5.49767	5.42252	5.99366	6.18445	6.52897	6.12514	6.56387	6.57136
FGD5-AS1	8.2013	8.15312	8.25585	8.09909	5.58358	6.93084	8.43985	6.90789	7.83406
MRPS25	7.9859	8.03196	8.36962	7.41108	6.07156	6.83031	7.23302	6.76611	7.16778
SH3BP5	7.06839	6.87576	7.26198	6.42216	7.00455	6.99442	6.83495	6.85788	6.87399
METTL6	6.99435	7.45094	6.73729	6.57493	6.45514	6.60211	7.19623	6.23428	6.84417
COLQ	6.04462	6.15036	6.49171	6.64244	6.50062	6.90078	6.08623	6.39512	6.39571
HACL1	8.22607	8.2378	8.57745	7.40037	6.32332	6.87559	7.28811	7.58223	7.27557

ANKRD28	8.73142	9.00572	8.8828	7.94301	5.74217	7.20769	8.20991	8.15426	7.96089
MIR3134	3.89191	4.41253	3.44378	3.01594	2.91934	2.77603	3.17166	2.39879	3.4307
DAZL	5.7232	5.6417	5.38596	6.14115	7.02469	6.31165	5.70445	6.24207	6.16607
SATB1	7.58768	6.75316	6.26444	5.9055	6.27583	5.89755	6.33376	5.8274	5.57221
MIR4791	2.47956	3.34244	2.69188	2.94902	2.87084	3.64345	2.66429	2.48701	2.36617
PP2D1	4.31111	4.33856	4.38299	4.52604	4.55983	4.88035	5.19203	5.20642	4.72441
SGO1	6.9333	5.64991	6.19053	6.54724	5.18139	5.91944	6.11073	5.68664	5.88508
ZNF385D	4.8442	4.91209	4.96375	4.80522	4.97376	4.77306	4.82884	4.57525	4.47536
nkiras1	5.70515	5.63128	5.21651	5.95923	4.28027	5.38223	5.93986	6.41945	5.687
LINC00691	4.36324	3.89978	4.21162	4.83608	4.76384	5.26234	4.47545	5.24167	4.68051
TOP2B	9.5386	9.53376	9.59964	8.22742	4.95893	7.80423	8.62837	7.9757	7.90574
MIR4442	8.6043	8.82992	8.68991	8.50713	11.3757	8.55869	8.52369	8.98053	8.94843
NGLY1	7.43762	7.31015	7.43422	7.33002	6.6207	8.12743	7.05859	7.80277	7.07364
LINC00692	4.46303	4.33827	4.55287	4.73549	5.02646	5.00617	4.63771	4.4789	4.43338
NEK10	4.74172	4.92513	4.8204	5.32989	5.67962	5.19459	5.01558	5.06222	5.16598
EOMES	4.97407	4.80381	5.16421	5.65037	5.66611	5.07704	5.89596	5.31841	5.38038
AZI2	7.30898	7.19546	7.15684	6.93034	6.33932	7.60268	7.16513	7.05957	6.9839
GADL1	5.51502	5.33162	5.68531	6.05056	7.07041	6.461	5.91736	6.35765	6.14942
OSBPL10	7.33684	7.23892	7.03795	6.77617	6.72401	7.00562	6.72898	7.79524	7.38153
CMTM6	8.4377	8.25249	8.36102	7.97437	7.03878	7.48444	8.5036	8.09601	7.65707
SUSD5	6.09013	6.32079	6.26985	6.00055	6.17881	6.6883	6.15877	6.18195	6.24896
UBP1	7.36909	7.40351	7.39417	7.25036	6.26576	6.83051	7.46101	6.95921	7.12608
CLASP2	7.96282	7.70544	7.89336	7.08209	5.50232	6.744	7.06965	7.15022	7.41106
DCLK3	4.52845	4.84881	4.58632	4.43741	4.77493	4.8233	4.68924	4.49218	4.67038
TRANK1	6.69231	6.32661	6.36646	5.6981	5.59832	5.09998	5.6448	5.29367	5.05963
EPM2AIP1	7.86196	8.01159	7.96009	7.10683	6.83808	6.392	7.55664	6.66307	6.93994

LRRFIP2	8.71839	8.77597	8.74058	7.86686	7.00068	8.49431	7.94308	9.19512	9.01092
ACAA1	6.61286	6.25907	6.18089	7.3084	6.34887	8.35456	7.52906	8.46303	7.96079
ACVR2B-AS1	5.19847	5.71581	5.14346	5.06351	5.05092	5.89505	5.59189	5.69449	5.41414
CSRNP1	7.6426	6.33777	6.75791	7.70667	7.14024	9.74733	7.99303	8.10475	7.75858
XIRP1	5.60907	5.65084	5.93454	5.96425	6.20829	6.34969	6.34879	6.15142	6.14517
CX3CR1	5.88037	5.76115	5.86898	5.93654	5.60549	5.92482	5.44267	5.7645	5.72609
EIF1B-AS1	5.93383	5.40156	5.76182	5.824	5.8246	5.4804	5.47194	5.51052	5.45704
ENTPD3-AS1	5.46154	5.31568	6.00852	5.34135	5.4325	5.10269	5.3225	5.27547	5.49075
ULK4	7.24904	7.06274	7.45719	5.913	5.70805	5.96444	5.65768	6.18488	5.83873
CCK	5.64591	5.58085	5.57128	6.11232	6.60666	6.66675	6.33086	6.22624	6.07098
LYZL4	5.07011	4.88383	4.93984	5.39367	5.9735	6.02781	5.37243	5.50438	5.46922
SEC22C	7.37691	7.47711	7.67419	7.43036	6.59007	7.13895	7.67289	7.2143	6.88883
HHATL	5.21793	5.5136	5.80559	6.11895	6.5019	6.09518	5.65125	5.83477	5.81932
CCDC13	6.00566	6.22134	6.25304	6.46372	6.76017	6.93319	6.57748	7.11736	7.13862
POMGNT2	6.16439	6.28998	6.31272	6.2733	5.39402	6.48961	6.85764	6.39939	6.51284
ANO10	8.04485	7.89356	7.91335	7.51725	6.12425	7.8478	7.7984	8.25662	7.85365
KIAA1143	7.62098	8.14078	7.96875	7.25633	6.36755	6.96333	7.7773	6.70383	6.86962
CDCP1	9.30689	9.32393	8.8331	9.96289	8.52316	11.521	10.3069	11.0176	10.74
TMEM158	6.52429	6.44318	5.99715	7.76271	6.2222	9.32574	7.74587	8.11527	7.52483
LARS2-AS1	5.66785	5.67924	5.48674	5.734	6.22389	5.26435	5.63587	5.06549	5.44654
LIMD1-AS1	5.07667	5.39361	5.28637	4.8863	5.82713	5.74309	5.82433	5.46676	5.5337
LZTFL1	6.87482	6.95229	6.88389	5.88094	6.11039	5.6758	6.40799	5.59576	5.73563
FYCO1	9.16627	9.23627	8.68245	8.54961	7.91051	8.50833	8.69614	8.0568	8.70246
XCR1	6.6649	7.37389	7.02973	6.41035	8.37156	7.09073	6.47601	7.1998	7.26256
CCR1	5.06268	4.73224	5.70347	5.12676	5.09096	5.38545	5.24481	5.02261	5.34033
LTF	6.43436	6.48119	6.67753	5.60242	5.837	5.66273	5.53191	5.29265	5.65153

LRRC2	5.06537	5.65573	5.95333	5.28046	5.75668	5.38777	4.90386	5.02342	5.21051
ALS2CL	8.34927	8.23475	8.09992	8.31044	6.95811	8.73076	8.44821	8.71218	9.05079
CCDC12	7.74096	7.23822	7.79257	7.91887	7.31359	7.61445	7.84978	7.54004	7.78114
SETD2	9.05881	9.26149	9.08396	7.78526	6.27821	7.34947	8.07152	7.95393	8.10918
KIF9	5.75826	5.66788	6.10515	5.91273	5.79566	5.68919	6.05178	5.70437	5.7943
SCAP	8.46527	8.51336	8.38819	8.91123	7.09536	8.19666	8.63134	8.35629	8.31574
ELP6	6.72917	7.03407	6.5384	6.53757	6.30858	6.31784	6.76934	6.31992	6.25737
CSPG5	6.16936	6.15764	6.28656	6.8116	7.44529	6.78158	6.49914	6.68393	6.65351
MAP4	9.32982	9.22015	9.30613	8.95554	8.2264	9.17858	9.29365	9.54593	10.3688
CDC25A	5.89407	5.63249	5.74559	6.2844	5.90622	6.00784	5.96771	6.03656	5.88872
NME6	6.3283	6.61968	6.58732	6.77366	6.07056	6.52202	6.92346	6.58701	7.14128
MIR2115	3.28744	3.21873	2.73005	3.05388	3.68602	3.62087	2.55586	2.82702	3.156
PLXNB1	8.54742	8.32944	8.4959	8.12478	6.80358	7.95358	8.49189	7.43453	8.36978
CCDC51	6.06891	5.72933	5.86958	6.14446	5.81092	6.27199	6.93049	5.90266	6.22823
SHISA5	6.36926	6.12554	6.48268	6.53415	6.12162	6.37042	6.70881	6.09447	6.38172
ucn2	6.88101	7.0311	6.07937	6.77155	6.41484	6.38944	7.1264	7.45551	6.89648
UQCRC1	8.07525	8.11557	8.21881	8.93928	7.28107	8.8724	9.13217	8.55348	8.45481
TMEM89	7.13437	7.3095	7.27063	7.49414	8.18072	7.23548	6.95813	7.59848	7.66315
nckipsd	7.19531	7.18888	6.74562	7.34809	6.48849	7.86733	7.46253	7.27398	7.08174
IP6K2	8.58101	8.58833	8.36759	8.13439	7.17843	7.6798	8.13226	8.06754	8.0894
Arih2os	5.97661	5.96639	5.5951	5.78229	5.45599	6.22819	6.40786	5.55731	5.82306
DALRD3	7.76141	7.23094	7.4607	8.06127	7.49347	7.58504	7.90213	7.26758	7.19208
MIR425	5.85766	5.68212	4.9577	6.47537	6.25103	6.92763	6.66608	6.41636	6.43103
MIR191	6.05377	5.8154	6.3053	6.65017	6.59458	7.42228	6.7841	7.33778	6.54464
IMPDH2	9.27846	9.50225	9.59918	8.90404	7.12623	8.44668	9.10446	7.91328	8.57015
QRICH1	9.33042	9.23243	9.1529	8.70343	6.51513	7.63555	8.59978	7.86415	8.44547

QARS	11.0932	10.7196	10.8606	10.2976	9.1046	9.99465	10.5769	9.85717	10.1992
USP19	8.34535	8.3542	8.24038	7.69127	6.80043	7.1999	8.16854	7.38204	7.20106
CCDC71	7.76739	7.85452	7.69697	7.49853	6.42907	6.97705	8.00646	7.02587	7.26576
C3orf84	5.06012	4.70633	5.051	5.1724	6.17566	5.52763	4.67332	5.35733	4.96283
USP4	9.21563	9.3021	9.26746	8.633	7.9493	8.71264	8.85019	9.04265	9.06936
GPX1	7.31887	6.79749	7.33587	7.21088	6.80542	7.07468	7.68798	7.11885	7.20992
RHOA	11.845	11.5152	11.8174	11.6761	11.374	11.8711	12.1591	11.8482	11.9931
AMT	7.25246	7.26948	7.10205	6.57413	6.67479	6.30595	6.17681	6.27726	6.33107
BSN-AS2	3.80199	3.72451	4.18579	5.13302	5.01643	4.84877	4.64318	5.06731	4.89993
MST1	6.29747	6.52277	6.47557	6.74847	7.66261	7.41214	6.91674	7.34928	6.85459
amigo3	6.23308	6.44262	6.27262	6.3643	5.60898	6.71179	6.16617	5.90822	6.21349
GMPPB	6.3798	6.60197	6.45396	7.13513	7.01528	8.01898	7.1353	6.83038	6.76997
IP6K1	7.84105	7.77091	7.81928	7.9261	6.29138	8.18734	7.91924	7.88621	7.85607
CDHR4	5.38706	5.38917	5.51965	5.96825	5.84453	5.83372	6.06154	6.00248	5.85462
uba7	7.51635	6.95766	6.97346	6.5624	7.04804	6.61425	6.3712	6.4036	6.02937
TRAIP	6.21761	6.17345	6.0878	6.21634	6.61322	6.32901	6.57504	6.27564	6.20302
CAMKV	5.69049	5.79754	5.8104	6.1235	5.96177	6.0133	5.87533	6.16365	6.0194
MON1A	4.73889	4.8182	5.02262	5.33489	5.09443	5.68106	5.88632	4.97622	5.07335
RBM5-AS1	5.07825	5.36452	5.1133	5.33687	5.02971	5.46045	5.70853	4.83733	4.82671
IFRD2	6.87782	6.76736	6.83826	7.42837	7.31316	7.14613	7.53254	7.07994	7.46188
NAT6	7.17623	7.18601	7.21843	7.82748	7.62244	7.65457	8.04297	7.41915	7.64275
HYAL1	8.94925	8.38413	8.55307	8.33133	7.34628	7.90977	8.03818	9.39148	9.5101
HYAL2	6.22166	6.14301	6.62364	6.96948	5.96972	6.77161	7.08334	6.41301	6.86489
TUSC2	8.20141	8.22893	8.30662	8.37158	6.98632	8.01328	8.48525	7.87864	8.09724
RASSF1	6.33728	6.3872	6.02705	6.20778	5.32641	6.37751	6.40927	6.80773	6.34478
NPRL2	7.31412	7.31599	7.12709	6.80643	5.82735	6.60632	6.91151	6.61809	6.56592

TMEM115	7.2435	7.12915	7.00657	7.26943	6.03247	6.684	7.63774	6.85203	7.19359
C3orf18	5.87714	6.11903	5.95042	6.63359	7.159	6.68692	6.5635	6.23131	6.25284
CISH	6.66877	6.38942	6.43432	7.41128	7.01786	7.88931	7.58727	7.83904	7.32975
DCAF1	8.55224	8.66521	8.48226	7.7654	6.23754	7.21285	7.71445	7.45785	7.63291
lqcf6	4.21759	4.33511	4.1172	4.45422	4.71468	4.72926	4.68541	4.66129	4.07843
IQCF1	3.46403	3.79579	3.85714	4.21872	4.42733	4.61479	4.11895	4.19595	4.15583
IQCF5	4.8267	4.4488	4.52048	5.64159	5.91659	5.81564	4.976	5.22383	5.2851
PCBP4	6.88532	7.36771	7.12618	8.18539	7.59014	8.44999	8.48105	8.12564	8.63592
ABHD14B	6.87839	6.66657	6.94762	7.04027	6.51347	6.83331	7.12499	6.56057	6.50264
RPL29	7.49183	8.0252	7.63066	8.31013	7.69049	7.67759	7.80124	7.4464	7.98865
DUSP7	8.81715	8.35688	8.69716	9.20895	7.67828	9.18103	9.54164	8.96239	9.89943
LINC00696	6.21433	5.93407	6.21763	6.2002	6.84854	6.49533	6.35033	6.22456	6.59475
POC1A	5.85918	5.77598	5.91789	6.4507	5.86805	6.02209	6.47319	6.39775	6.20573
TLR9	6.49724	6.55337	6.67934	6.92719	7.42773	7.22255	6.88742	7.30725	6.9359
WDR82	9.24843	8.85827	9.26434	8.92713	6.72011	8.39096	9.42242	8.43251	8.8028
MIRLET7G	7.48102	6.91642	7.54043	6.36043	5.08219	6.61256	5.99173	6.11875	6.49973
MIR135A1	3.58278	3.74537	3.59612	3.91608	3.86554	4.24166	3.74301	3.91769	3.8515
BAP1	8.64921	8.11737	8.44461	8.5626	6.2998	8.79109	8.76173	8.23062	8.69187
TNNC1	6.74656	6.65222	6.85766	7.43869	7.39301	7.77157	7.37963	7.53982	7.22662
NT5DC2	8.71334	8.82851	8.86758	8.26671	7.45955	7.55896	8.30473	8.26737	8.44796
PBRM1	9.25543	9.42548	9.29323	8.77918	6.33407	8.35831	8.9309	7.96883	9.12978
GLT8D1	7.13961	7.3345	7.36048	7.00072	6.46513	6.31895	7.25785	6.19997	6.39895
NEK4	8.17234	8.22161	8.51096	7.93036	6.27455	7.44459	8.02563	7.27901	7.59596
sfmbt1	7.39375	7.44793	7.44522	6.77561	6.61855	6.54353	6.78815	6.19037	6.14444
RFT1	8.34743	8.18709	8.28153	7.51915	6.46344	6.92438	7.72642	6.56589	7.1675
TKT	8.09475	8.44696	8.40269	9.47488	6.90948	8.84056	9.79663	8.85034	8.98636

DCP1A	8.54976	8.52709	8.55265	7.64653	6.69651	6.95656	7.61549	7.6165	7.9932
CHDH	5.93372	6.26396	6.40656	6.24296	5.93696	6.12695	6.34279	6.28109	6.09169
ACTR8	7.80537	7.89373	8.11276	7.68845	6.44154	7.15329	8.09651	7.65862	7.28456
SELENOK	6.56602	6.52577	6.48479	6.89724	6.52403	7.24612	6.99798	6.82109	6.98385
ESRG	5.49113	4.74692	5.61933	4.89541	5.41592	5.07314	5.08525	4.71549	4.93879
Lrtm1	5.86761	5.76192	5.65312	6.17759	7.14212	6.311	5.89532	6.25374	6.12206
ERC2	5.09495	5.08446	5.3191	5.21152	6.30751	5.38888	4.61649	5.38562	5.20731
ERC2-IT1	4.59545	4.39839	4.60658	4.61468	5.96048	4.26725	4.52546	4.84574	4.51935
MIR3938	1.80157	1.95453	1.78248	1.97699	1.91512	2.12141	2.05829	2.04223	1.9431
ARHGEF3	7.81736	7.07296	7.67373	6.80183	5.48347	6.61813	7.42533	7.5541	7.3692
IL17RD	7.24361	6.99598	6.90672	6.87234	6.89746	6.71016	7.12371	7.90551	7.22779
HESX1	4.6948	5.49217	4.96618	4.59763	4.42802	4.74204	5.29447	4.40901	4.72909
ASB14	4.76347	5.03933	5.16637	4.93985	6.27335	5.46768	5.33012	4.97864	5.09132
ARF4	10.1295	9.26297	10.1195	9.80883	9.5617	10.1446	10.2674	10.5294	10.5182
DNASE1L3	5.85963	5.9018	5.73685	5.67633	5.90551	5.59084	6.02773	5.72333	5.71965
PDHB	8.03451	8.14	8.26059	8.09526	6.88588	7.88284	8.36084	7.8828	7.90158
c3orf67	5.42362	5.0386	5.19565	6.29333	5.78331	7.42503	6.19531	7.32235	7.03326
FHIT	6.93385	7.36238	7.01194	6.42109	7.22062	5.54787	5.94835	6.13181	5.79798
PTPRG-AS1	3.9963	4.05511	4.23658	4.31741	4.3107	4.05921	3.9527	4.0217	3.64998
FEZF2	5.19281	5.2714	5.04696	5.66187	6.64779	5.56738	5.57205	5.77936	5.66795
CADPS	5.64825	5.07606	4.76588	4.60743	5.59029	5.05523	4.95203	4.92294	4.766
SYNPR-AS1	3.43918	3.38294	3.80681	4.68528	5.33729	3.69429	3.94852	3.71151	3.90085
THOC7	7.99879	8.00311	8.19939	8.26097	6.13427	8.06757	8.72483	7.41796	7.71029
LINC00994	4.25186	4.48262	4.38399	5.21963	5.44069	5.34805	4.43855	4.82222	4.75616
LRIG1	8.6497	7.78854	8.60477	7.34636	7.4952	6.94498	7.80652	7.00981	7.0438
EOGT	8.71545	8.31961	8.7073	8.11677	5.8497	6.92338	8.28015	8.26603	7.97686

MIR3136	4.41177	4.66659	4.46425	2.95279	4.07195	3.60351	3.16325	5.52339	4.13931
UBA3	9.65484	9.37535	9.59473	8.82665	5.99634	7.81954	9.03316	8.65526	8.78033
LMOD3	4.99258	5.05677	5.00595	5.62737	5.2062	5.69399	5.25286	5.31043	5.44997
FRMD4B	8.02051	7.93501	8.02441	6.39222	5.49909	5.9752	6.73764	7.22885	7.34773
FOXP1	8.63662	8.52544	8.90174	7.76098	6.44233	6.92867	7.77461	7.12711	7.36998
MIR1284	4.86053	4.89108	5.777	3.6309	3.82573	3.16168	3.30449	4.11067	3.58683
EIF4E3	8.39869	7.59774	8.49008	8.10399	7.28836	8.38391	8.6467	7.78681	8.53744
prok2	5.54579	4.95325	5.76023	5.9942	6.84429	6.74761	5.55343	6.49743	6.15494
RYBP	9.01115	9.2372	9.07014	9.42591	9.9691	11.0996	9.78611	10.9529	9.60763
SHQ1	7.8206	7.6345	7.79635	7.11867	6.26682	6.87095	7.35626	6.50392	6.66161
PDZRN3	7.14424	6.68818	6.90852	6.3717	6.42722	6.36717	5.87841	5.85419	5.96104
CNTN3	5.6378	6.45119	5.40931	4.72767	5.93333	5.56917	4.84668	4.82649	5.34978
LINC00971	3.72467	4.31029	3.83165	4.26385	5.52066	4.48123	4.39046	4.0309	4.96773
CADM2-AS2	3.27976	3.37956	3.01526	3.50843	3.73392	3.60939	3.90957	3.39103	3.42499
VGLL3	8.25395	7.95841	8.23602	7.77275	6.68325	5.88329	6.91414	7.07169	6.69249
MIR4795	2.65386	3.42017	2.1625	2.74195	2.07624	3.59908	3.46858	2.59114	3.17277
POU1F1	4.03655	3.99213	3.81721	3.95254	5.66284	4.57109	3.74731	4.13615	3.70498
CGGBP1	7.97337	7.77237	7.92155	7.49381	5.73401	6.82614	7.58598	7.09631	7.61464
PROS1	8.87942	9.00606	8.81114	7.38611	5.99378	7.04806	7.96243	6.6179	6.61472
STX19	7.06616	6.82389	6.77309	6.65857	5.43675	6.44921	6.86087	5.67612	6.04368
DHFR2	5.12761	4.87914	4.76921	5.12693	4.72308	5.09658	5.17111	4.81481	4.64395
MINA	7.97303	8.04134	8.07778	7.69412	6.4684	7.43529	7.68416	7.07551	7.19302
CPOX	6.83857	6.43083	6.74857	6.34425	6.52722	6.48608	6.78605	6.7701	6.68208
ST3GAL6-AS1	4.926	5.10939	5.45804	5.37749	4.79228	5.11685	5.10215	5.10749	4.94843
filip1l	7.15645	6.3588	6.68659	6.40559	6.09497	5.7576	6.18736	5.96665	6.5348
MIR3921	2.32613	2.04512	1.97668	2.57844	1.82387	2.40013	3.04925	2.65111	2.49458

TOMM70	8.27589	8.31518	8.39077	7.89312	5.67958	7.55186	8.33484	7.2713	7.6171
IMPG2	5.60112	5.44988	5.25188	5.41685	6.13429	5.02885	5.60131	4.96102	5.30424
SENP7	7.93484	7.73679	7.45817	6.53931	4.57959	6.82062	6.86539	7.2948	6.81763
RPS18	9.17738	9.6955	9.59575	9.72394	8.90693	10.1726	9.85564	9.42838	9.0132
ZBTB11	8.25045	8.45314	8.12168	7.57813	5.55325	7.45096	7.6998	8.80338	8.04876
RPL24	7.49044	7.57425	7.6562	8.0588	7.51027	8.16417	7.93064	7.86324	7.88709
MIR548AB	4.70796	5.07394	4.28372	5.70552	6.04443	5.50432	5.59716	5.02002	5.00786
LINC00882	4.55338	4.68482	4.71024	4.79228	4.92908	4.99909	4.26893	4.10444	4.46068
LINC00635	3.59596	3.74423	3.73126	4.06132	4.64902	4.71449	3.82452	4.08504	4.04465
CD47	10.5601	10.0561	10.5424	10.3141	8.06133	10.5121	10.7194	11.1299	10.6503
IFT57	7.56927	7.8699	7.77425	7.24836	5.63888	7.34951	7.75902	7.24245	6.92885
KIAA1524	6.83123	6.28353	6.79528	6.46174	4.80822	6.11408	5.81638	5.52581	5.97864
RETNLB	4.33442	4.4893	4.167	4.6578	6.20624	4.79835	4.88827	4.28353	4.48027
GUCA1C	3.03578	3.42952	3.30346	3.08499	4.55361	3.36797	3.17341	3.65892	3.18769
MORC1	4.55314	4.29679	4.59851	5.07634	5.80677	4.87988	5.17205	5.05757	5.01708
DPPA2	3.49662	3.29633	3.45125	3.47642	4.42812	4.25874	4.15988	4.19293	3.63519
DPPA4	4.50217	4.66169	5.18139	5.02086	5.69578	5.03956	5.19989	4.89012	5.25872
PVRL3-AS1	4.38973	4.45353	4.59409	4.45171	4.62866	4.68496	4.35081	4.67022	4.51703
GCSAM	5.70465	5.20966	5.69808	5.55833	5.43958	5.61293	5.25097	5.06059	5.09122
BTLA	4.54341	4.88895	4.65987	4.70886	5.84899	5.19051	4.32273	5.06221	4.8604
ATG3	9.39938	9.32999	9.55006	8.87876	6.8758	8.55594	9.32568	8.20942	8.63658
CCDC80	8.60049	7.67928	8.64354	6.44725	5.54124	6.76681	6.70651	6.1935	6.09694
CD200R1L	3.238	3.00345	3.07752	3.31937	3.46689	3.48442	3.65384	3.1053	3.36409
CD200R1	5.44645	4.63474	5.46063	4.16622	4.62144	4.35693	4.70193	4.39325	4.45879
NEPRO	8.07208	8.6518	8.5413	7.00795	5.87705	6.09625	7.08375	6.57605	6.10019
CFAP44	7.16018	7.48691	7.04368	5.81717	5.79748	5.65189	5.76801	5.69306	5.66559

SPICE1	7.65382	7.77566	7.59356	6.69403	6.16324	5.94539	6.38408	6.24974	6.29696
USF3	9.34694	9.42587	9.43439	8.05431	6.72685	7.76203	8.17904	8.28163	8.5051
CCDC191	6.82149	6.92953	6.4846	5.6161	5.44062	5.33214	5.7408	4.6746	5.46725
DRD3	5.09949	5.13805	5.71936	6.03491	6.20646	6.20003	5.83668	5.68034	5.47001
ZNF80	4.20002	4.69215	4.5065	4.97192	5.49183	4.68407	4.80527	4.91816	4.73615
Mir568	5.22597	4.97723	6.1817	2.42901	2.05346	3.92796	3.65699	3.17478	3.32718
ZBTB20	8.59247	8.48818	8.56013	6.32857	6.0061	5.9034	6.93394	6.56555	6.66654
MIR4796	6.89444	4.96087	6.20971	3.97048	4.6153	3.3885	4.14581	3.44786	4.2761
LSAMP	7.06211	6.3187	6.38359	6.89942	6.0054	6.23467	6.04256	6.43369	6.15052
MIR4447	2.27125	2.75455	2.18446	2.64425	5.41436	2.39753	2.53458	2.36859	2.54361
TMEM39A	8.56505	8.75132	8.7409	8.48907	7.45098	7.88867	8.02452	8.16982	8.63355
CD80	4.22338	4.68421	4.6507	4.89304	6.15135	5.57568	5.09206	4.98135	5.81841
POPDC2	5.83935	5.6005	5.88421	5.83378	5.90188	5.44288	5.29032	5.34832	5.44008
COX17	5.79988	5.90599	6.02951	5.92136	4.90099	5.71825	5.96323	6.10164	5.80497
GSK3B	10.4701	10.2084	10.3959	10.1278	8.42684	9.84035	10.6213	10.1728	10.4613
GPR156	5.82894	5.73432	6.15452	6.14146	7.31681	6.2794	6.03059	6.31024	6.19638
LRRC58	9.7826	9.79512	10.0527	9.04335	6.31826	8.49721	9.27475	8.7256	8.3281
FSTL1	8.51709	8.07914	8.95336	7.82529	7.08985	7.2935	7.90145	7.66637	7.92162
HCLS1	5.55045	5.55714	6.04351	5.3171	5.86938	5.97563	5.12774	6.15616	5.95651
GOLGB1	9.45032	9.54388	9.47159	8.36337	6.49292	8.73729	9.04393	9.07486	8.96932
IQCB1	7.82445	7.80802	7.83137	5.89316	4.72579	5.59007	6.88041	6.15306	6.32467
ILDR1	6.64519	6.50033	6.77888	6.48854	7.46606	6.82502	6.74255	6.4286	6.29102
CCDC58	6.67594	6.68347	6.69762	6.45185	4.85	6.14108	6.89603	5.88848	6.35982
WDR5B	6.74873	6.76256	6.75826	6.35305	6.30874	6.14042	5.96977	5.90046	6.07082
KPNA1	8.56349	8.31567	8.57556	7.88851	5.62023	7.90763	8.44586	8.72569	8.5341
HSPBAP1	7.89144	8.01783	7.89217	6.34616	6.13118	5.1	6.52422	5.89829	6.23382

ADCY5	6.02989	6.37659	6.5282	6.04	6.48172	6.36696	5.9485	6.58104	6.6463
MYLK	6.19684	6.19106	6.36514	6.5333	6.31552	5.61695	6.58275	5.93524	6.03709
CCDC14	9.40987	9.1454	9.1435	8.37716	7.12153	6.8504	8.04346	7.53921	7.81706
ROPN1	3.45448	3.78579	3.16578	3.43021	5.83717	4.40791	3.43657	3.0755	3.40745
HEG1	8.99959	8.3907	9.33191	7.84524	6.46452	6.96382	8.03565	8.55902	8.62624
ZNF148	8.67032	8.83706	8.59994	7.50484	5.97277	7.80947	7.9402	7.69208	7.88265
SNX4	7.66585	7.6412	7.6478	7.51098	4.44464	7.01489	8.30549	7.39507	7.4384
OSBPL11	8.51407	8.63381	8.37164	7.87588	5.67299	7.6483	8.4564	7.68334	7.74626
ALG1L	5.91606	5.56491	5.87281	7.2797	6.80077	7.62131	6.91892	7.30056	7.47405
KLF15	5.3092	5.49333	5.48285	5.37886	5.33198	5.97691	5.53345	6.01919	5.9653
ZXDC	8.27336	8.39665	8.50619	7.84192	7.22179	8.11518	8.03659	8.13527	7.83639
UROC1	5.61013	5.87221	5.74106	6.32543	6.75921	6.68164	6.05342	6.29599	6.30367
TXNRD3	6.97726	7.30409	6.92745	6.69656	6.17438	6.27447	7.13885	5.54366	6.26918
MGLL	7.17791	7.82787	7.32341	6.95662	6.51595	7.56509	7.46242	7.14553	7.44972
RUVBL1	6.88807	6.85779	6.82195	7.57464	6.58853	6.90066	7.71589	6.70525	6.97282
GATA2	6.32173	5.96177	6.34604	6.20155	6.14325	6.52996	6.55423	6.54094	6.36068
LINC01565	5.62943	5.61	5.58841	6.20158	6.45645	5.82769	5.77407	5.40663	5.73791
RPN1	9.62593	9.25251	9.66812	9.76611	8.57675	9.83867	9.94674	9.68808	10.0213
LOC653712	5.71717	5.34138	5.50689	5.53985	5.7505	5.28973	5.55928	5.46536	5.06912
RPL32P3	7.59956	8.07349	7.90674	6.51081	6.44072	5.96121	5.97784	6.64981	6.66805
EFCAB12	4.4299	4.21004	4.68238	4.9761	5.37517	4.94871	4.25228	4.88434	4.79723
MBD4	8.06378	8.5247	8.26097	8.02396	5.64619	6.81798	7.99652	6.91852	7.04769
PLXND1	7.90544	7.55093	7.92065	7.47447	6.51689	7.00798	7.48421	7.31255	7.39954
TMCC1	8.2968	8.32551	8.13958	8.01579	6.69776	7.42971	7.75564	7.91402	8.09122
aste1	6.65458	6.63305	6.78609	6.13181	6.60771	6.02693	6.28802	6.06686	6.20062
LOC339874	5.21082	5.24422	5.38941	5.35208	5.41299	5.74078	5.02807	5.49232	5.17437

MRPL3	8.83923	8.63987	9.08803	8.58879	6.01242	8.09968	8.91065	7.53593	8.23849
CPNE4	4.12374	4.92274	4.32415	5.14099	6.14232	5.64018	5.37337	4.95383	4.71018
TOPBP1	8.77499	9.04617	8.92825	7.99885	6.237	6.75127	7.84717	7.20959	7.12159
C3orf36	5.20402	5.11605	4.98776	5.73093	5.42643	6.05918	5.84494	6.83477	6.68249
RYK	10.0028	10.1259	10.0389	9.22881	7.00268	8.46908	9.52746	9.38803	9.13847
AMOTL2	7.11003	7.60647	7.44444	8.08584	7.0834	8.07984	7.84143	7.83621	8.25383
ANAPC13	7.66462	7.46744	7.88763	7.4066	7.00869	6.876	7.94792	7.21667	7.1642
KY	6.19052	7.20904	7.44969	6.21371	6.45146	6.38822	6.33717	6.18588	6.25664
MSL2	8.46181	8.47793	8.38722	7.65552	6.647	7.3004	8.08347	7.75583	7.69972
STAG1	7.81298	8.11929	8.11872	6.95163	4.96993	6.625	7.17068	6.66707	6.9194
DZIP1L	6.52314	6.22741	6.67254	6.31936	5.96425	6.44126	5.68406	6.22355	6.20285
DBR1	6.90149	6.57858	6.94191	6.79674	5.50406	6.16935	7.43738	6.30575	6.26185
NME9	5.41825	5.5771	5.68922	5.7625	5.94165	6.05778	5.82481	5.97147	6.27864
CEP70	6.90059	6.59821	6.48649	5.60533	4.75838	6.20804	6.45973	6.27233	6.21272
FOXL2	5.55189	5.63727	5.26378	6.28497	5.83664	6.47699	6.05749	6.40142	6.11268
PRR23A	4.31322	4.50424	4.10962	4.60185	5.42192	4.29988	4.11327	4.68579	4.59581
PRR23B	4.38345	4.46192	3.8972	4.81921	4.80448	5.09348	4.74923	4.64241	4.2294
PRR23C	4.74942	4.56056	5.01921	5.54811	6.40797	5.6833	5.28159	4.94448	5.11189
PISRT1	4.86365	4.9342	4.90419	4.94963	6.49853	5.0148	5.00885	4.84203	5.0774
NMNAT3	7.47049	8.12969	7.58573	5.70198	6.28359	5.52538	6.15318	5.53871	5.62231
TFDP2	8.58616	9.05323	8.83544	6.52907	6.13226	6.44289	7.37885	7.62983	6.48354
GK5	8.03251	8.48558	8.1469	7.11714	5.63487	6.70707	7.27117	6.8533	7.27181
XRN1	9.6831	9.97004	9.6332	8.63046	6.71489	8.65341	8.5822	8.96816	8.89104
ATR	7.63383	7.7721	7.76966	6.76751	5.21389	6.06954	7.02205	6.19731	6.23655
PCOLCE2	5.7524	5.68966	6.50574	5.11807	5.89224	5.5554	5.33057	5.40155	5.36486
PAQR9	3.65893	4.03201	3.79921	3.46356	5.65271	4.3442	4.00506	3.9533	4.07309

LOC100289361	4.43511	4.38534	4.25161	4.79814	4.6706	5.14288	4.91462	4.68255	4.5394
PLSCR4	8.78001	8.47617	9.20913	6.01142	5.39211	5.69908	6.99464	6.14554	6.72672
PLSCR2	4.01553	4.09724	4.06053	4.30455	4.61165	3.99434	4.30986	4.23722	3.80877
PLSCR1	7.73992	6.96522	7.49477	6.64872	5.69373	6.40432	6.65499	6.67933	6.68585
CP	5.03125	6.01001	6.63021	4.21727	4.89462	4.40161	4.53869	4.37648	4.61628
TM4SF18	7.674	6.28528	6.88721	7.12458	6.74515	6.3616	6.5305	6.93539	6.95998
TM4SF1	9.46625	8.20778	9.4047	10.4734	10.9324	11.6638	11.1726	12.1192	12.1196
WWTR1	8.10069	7.92301	8.14009	7.83496	8.03526	8.41816	8.10729	8.31336	8.13644
COMMD2	7.08204	7.28382	7.22417	6.84744	5.37547	6.38525	7.5169	6.58901	6.92225
ANKUB1	3.44565	3.74174	3.66404	4.28198	4.58243	4.25874	3.73768	3.94849	3.98686
PFN2	6.86222	6.37891	6.6366	7.82153	7.07949	7.38698	7.50901	7.22648	7.56373
TMEM183B	7.88549	7.90661	8.17244	7.51012	6.48555	7.39292	8.1588	7.63279	7.46224
SERP1	8.10644	7.83973	7.98798	8.28618	8.05758	8.165	8.59858	8.85541	8.68581
SIAH2	9.13195	8.85462	8.90768	10.1463	8.30279	10.4619	9.5809	9.58042	9.8167
GPR171	5.15458	5.58445	5.42888	5.81239	5.4152	6.2384	5.81437	5.59455	5.31035
GPR87	9.71755	9.90196	9.36158	10.3058	8.8833	10.6075	10.561	9.4529	9.92763
TMEM14EP	4.84236	4.647	5.06413	5.51302	5.73812	3.93643	5.18364	4.80646	4.74432
ARHGEF26-AS1	4.98794	4.64851	4.55686	4.63748	5.98694	5.46521	4.8813	5.20434	4.66489
DHX36	8.49474	8.38597	8.54494	7.36147	5.35235	6.81026	7.89488	8.30032	7.49132
GPR149	5.25716	5.0562	5.40583	5.77058	6.06419	6.02274	5.70676	5.57711	5.51797
LOC100507537	4.77482	4.70862	4.74059	4.65746	5.14429	4.97698	4.49648	4.51972	4.59511
C3orf33	4.50119	4.6995	4.64845	4.70181	4.11745	4.53239	4.90315	4.29279	4.33012
KCNAB1-AS2	3.76844	3.43665	3.63118	4.74158	4.4482	4.68627	4.31177	3.9056	3.99965
KCNAB1-AS1	4.03508	4.28086	4.19698	4.29739	4.68235	4.64067	3.95007	4.07795	4.24715
TIPARP-AS1	5.05956	4.8289	4.91588	4.9701	5.12784	5.39586	5.13749	5.09975	4.84399
LINC00886	5.54632	6.66914	5.72929	5.89818	6.1841	6.21191	5.70046	6.03169	6.04363

PA2G4P4	5.38616	6.81092	5.98185	3.74822	5.1015	4.60018	4.07782	3.89841	4.11319
LINC00880	4.06363	4.27746	4.20843	4.75248	5.67685	4.69256	4.59492	4.91321	4.69001
CCNL1	10.1794	8.82638	8.89178	8.8164	7.609	8.77342	8.25024	9.73646	9.10765
VEPH1	5.70544	5.95229	5.84164	5.52844	5.88123	5.08361	5.3421	4.99598	5.17185
SHOX2	6.46273	6.49561	6.32621	6.57044	6.68812	6.30912	6.4731	6.19809	5.88793
LXN	6.71955	7.29361	7.10653	7.15647	5.49261	6.12989	7.18316	6.3412	6.20806
RARRES1	5.05267	5.21044	5.16406	5.33838	4.97977	5.40627	5.08413	4.89341	4.72868
IFT80	7.63828	7.65842	7.22884	6.4593	5.13861	5.324	6.1707	6.16702	5.85961
trim59	5.95469	6.09422	5.8548	6.42756	6.17909	5.79162	6.09181	5.65911	5.58719
KPNA4	9.4286	9.40962	9.62767	9.34503	6.48897	9.12452	9.66131	9.30299	9.99829
SCARNA7	9.54937	10.3185	9.68491	11.2662	9.31284	11.0708	11.2661	9.90609	9.76097
LINC01192	3.43138	3.40772	3.36951	3.50872	3.65291	3.65615	3.54552	3.59487	4.17728
MIR1263	4.03847	4.09258	3.8684	3.6422	4.52365	4.12285	4.27405	3.36058	4.0645
SI	3.80379	4.10095	3.9069	4.22436	4.14322	4.63893	4.06897	4.03984	3.94216
BCHE	6.4574	4.70802	4.95262	4.23235	4.18481	4.16694	4.18635	4.0288	4.29868
WDR49	4.38321	4.30557	4.52256	4.61539	5.43318	4.2665	4.56078	4.48034	4.44371
PDCD10	6.48597	6.61766	6.72531	6.88198	5.1078	7.72347	7.30324	7.37844	7.2572
GOLIM4	8.74757	9.23723	9.07328	7.86491	4.1528	6.90308	8.37189	7.92131	7.89392
MECOM	6.35027	5.73108	6.10386	5.3495	5.62713	5.37024	5.49127	5.65161	5.48212
TERC	7.10791	6.93435	6.97071	7.28202	6.30108	8.09493	7.84972	7.27179	7.11883
ACTRT3	5.14106	4.77493	4.88145	6.05564	5.60151	5.93025	6.1447	5.64557	5.93001
LRRC34	3.74344	3.74187	4.17902	3.91996	3.76168	4.03564	3.81286	3.46269	3.64986
LRRC31	4.40903	4.55818	4.68955	4.89916	5.48135	4.68955	5.01384	5.15066	4.77032
LOC100128164	5.09737	5.31085	5.20327	5.12144	6.27807	5.31521	5.33353	5.33024	5.36701
PHC3	9.19157	9.38711	9.47148	7.37443	6.09641	7.34678	7.88616	7.7509	7.7524
RPL22L1	6.51559	6.98913	6.89606	8.28151	6.43497	8.27012	8.70201	7.1937	7.87119

EIF5A2	6.36826	6.31573	6.37308	6.82996	4.10299	4.97041	6.89649	5.3083	5.34484
TNIK	5.76843	5.57478	5.66009	5.37569	6.05831	5.02426	5.01104	4.80311	5.07608
MIR569	1.85738	1.74046	1.9717	2.31591	1.74525	2.27827	1.80735	1.83662	1.88221
GHSR	5.50788	5.5649	5.53779	5.86715	6.7726	5.49796	5.58542	5.59389	5.43717
NCEH1	6.60722	6.44173	7.17392	6.80934	6.45139	6.41858	6.78656	7.21955	6.74551
SPATA16	3.67123	3.48306	3.81709	4.12628	4.81836	4.63847	4.03818	4.09325	4.36867
NAALADL2-AS3	3.48851	3.55506	3.28428	3.8499	3.96659	3.72096	3.41841	3.53757	3.50722
TBL1XR1	9.61968	9.23431	9.38575	8.87745	5.8258	8.48981	8.93875	8.67287	8.67572
MRPL47	7.83693	8.52011	8.24094	8.39585	6.21438	8.08389	8.67028	7.77712	8.05132
CCDC39	3.98774	4.6892	4.57469	3.83043	3.78817	3.70848	3.83128	3.48286	3.53737
FLJ46066	5.40809	4.88802	4.62975	5.0889	5.29872	4.73595	4.60473	4.99614	4.95551
MCCC1	8.13672	8.51828	8.09012	7.35671	5.87886	7.06403	7.31611	6.68194	6.83484
lamp3	6.94596	6.08556	5.91121	6.02022	6.13402	6.45178	6.35753	5.98266	6.26747
MCF2L2	4.96964	4.40386	4.93649	4.9551	5.60387	5.5812	4.79766	4.82194	4.83077
KLHL6	5.61228	5.42478	5.83858	6.02191	6.61204	6.53219	6.02296	6.18656	6.00629
MAP6D1	5.84095	5.99343	6.18181	6.33221	5.92081	6.59379	6.54769	6.30565	5.90133
CAMK2N2	5.65016	5.68743	5.6774	6.32722	5.8569	6.14446	6.08687	6.02558	6.4426
THPO	6.54311	6.56964	6.72267	7.04364	7.74446	6.52337	6.49221	6.68099	7.00644
TMEM41A	7.89976	7.96854	7.72667	7.49525	7.37388	7.47463	7.49306	7.96367	7.29363
IGF2BP2	7.97609	6.31968	7.34552	7.58402	6.1817	8.50948	7.98871	8.92828	9.28374
TRA2B	9.91547	9.21024	9.50263	9.28129	7.33858	8.67403	9.06635	9.30649	9.24718
ETV5	7.16217	7.06175	7.4643	6.46259	6.59348	5.64804	5.888	5.97507	5.97285
LOC253573	5.13623	5.2076	5.4378	5.27883	6.62123	5.86041	5.59896	5.68386	5.78311
TBCCD1	7.13776	6.73742	7.16067	6.44492	5.33615	5.4646	6.43845	5.68145	6.00238
RPL39L	5.70902	5.46749	5.32652	7.18798	5.51645	6.31921	6.17735	5.67796	5.08274
masp1	6.03501	6.45715	6.75875	7.1194	6.26411	6.56614	7.14284	6.78426	7.02965

SST	6.04276	5.71253	5.80899	7.4926	6.94882	6.3248	6.96253	6.16838	6.49145
RTP2	5.47784	5.82074	5.6415	5.5662	6.56822	5.88493	5.68286	5.91322	5.7526
BCL6	9.76529	9.24713	9.93297	7.97712	6.95787	8.44363	8.53736	9.27727	7.95676
LPP-AS2	6.7065	6.57519	6.7067	5.66708	6.77741	6.39439	6.70112	5.69484	6.76046
TPRG1-AS2	4.47857	4.23154	4.47572	4.68289	4.2689	5.02938	4.6781	4.05039	4.33355
P3H2	7.92802	7.48888	8.87281	7.85497	6.23209	7.47857	7.18337	7.60795	8.25465
CLDN1	11.8465	11.6497	11.8629	11.3378	10.691	11.0909	11.1731	11.3209	11.7571
Tmem207	4.75188	4.80838	4.67319	5.14174	5.70571	5.22129	4.95136	4.93225	5.11949
GMNC	4.78248	5.09033	4.66069	4.67191	5.54166	5.13375	5.00681	4.64563	4.67093
UTS2B	4.35484	4.22988	3.92132	3.79179	5.25575	4.57046	4.29264	4.06741	4.2298
FGF12	5.05668	5.37017	5.14417	5.80527	6.16641	5.74452	5.96459	5.60296	5.86387
MB21D2	7.88691	8.04731	7.99706	8.87768	7.43377	7.98924	7.67644	8.15664	8.0068
ATP13A5	6.01437	6.72646	6.96965	5.42814	6.44855	5.69639	4.87026	5.36127	5.53746
ATP13A4	8.56091	9.59682	8.45546	7.3123	6.328	6.63124	6.27175	6.9101	5.82841
OPA1-AS1	2.99252	2.48387	2.80454	3.00004	2.46878	3.57595	3.58819	2.62992	2.87064
LOC647323	3.5325	3.93722	3.55204	3.86307	4.07738	4.12014	4.13761	3.8311	3.53245
DPPA2P3	4.54307	4.62627	4.81832	4.81676	5.32375	4.13537	4.75612	4.4901	5.09554
LINC00887	4.79813	5.28071	5.28321	5.5482	5.84191	6.73014	6.10459	6.7904	6.333
LRRC15	8.48342	7.16481	7.75581	6.12002	6.36476	6.32515	9.12756	7.35179	7.65373
GP5	6.43463	6.12308	5.92887	6.44003	6.91067	6.56539	6.36285	6.16804	6.46767
ATP13A3	7.72868	7.50455	7.99965	8.355	6.67154	9.05856	8.46655	9.36033	9.28966
TMEM44	6.1387	6.10607	6.37982	5.80858	6.73455	5.87381	6.16209	6.35428	6.12042
LSG1	8.85711	8.84289	9.07755	7.95665	6.40021	7.63605	8.3229	7.31612	7.52627
XXYLT1	6.68081	6.58454	6.60228	6.52906	6.66713	7.15274	6.49976	6.52825	6.28225
MIR3137	8.67134	8.27889	8.59513	7.69505	8.33499	7.98403	7.59857	6.51886	7.17519
APOD	8.3745	9.91018	10.6156	6.81677	5.64284	5.63103	6.51891	4.67833	5.69782

TM4SF19	7.07094	7.11041	6.67958	8.43175	7.90566	8.86705	8.37288	7.80509	9.05474
UBXN7	9.88883	10.0854	9.95278	9.30569	8.20031	10.0787	9.54776	10.3035	9.85017
SMCO1	4.84827	5.0112	4.9838	5.72139	5.39182	5.52209	5.1967	5.34002	5.91773
WDR53	7.96365	8.05865	7.85879	8.1527	8.2358	8.62766	8.67619	7.83497	8.51702
CEP19	4.21808	4.24189	4.34701	4.20282	4.91812	4.34791	4.52854	4.32948	3.99592
MELTF	6.65591	6.70871	6.57679	5.90891	6.4282	5.97715	6.26416	6.20426	6.51753
MIR4797	2.88602	2.76555	1.9183	2.266	1.92774	2.32122	2.6371	2.27976	2.74498
rubcn	7.54726	7.45256	7.48728	7.91378	6.6213	7.75373	7.98584	8.01124	8.42378
IQCG	6.30334	6.38169	6.19549	5.95191	5.84015	6.1843	6.21733	5.99921	5.93838
ZNF718	7.982	7.80339	8.09975	6.09249	6.24272	5.62341	5.95567	5.79339	6.4565
ZNF141	7.55525	8.16677	8.27726	5.50258	6.24999	4.78853	6.07352	5.94549	5.41789
MIR571	7.99877	8.83185	8.4311	6.71178	9.6503	5.56503	6.80071	7.17168	7.19436
PCGF3	9.11717	9.60059	9.68834	8.75987	7.20546	8.86869	8.81981	8.863	9.02039
tmem175	8.13086	7.97567	7.74577	7.95218	7.83966	7.38931	8.133	7.37127	7.74804
FGFRL1	6.39378	6.50125	6.43356	6.75125	6.78573	6.94642	6.61491	6.7002	6.27892
CTBP1-AS2	6.87825	6.78067	6.81321	7.05906	6.02522	7.22386	7.03871	6.63609	6.73093
MAEA	7.80383	7.56591	7.77301	8.28909	7.04443	8.01272	8.34231	7.845	8.25931
UVSSA	6.87392	6.65231	6.81558	6.30028	5.54132	6.23526	6.49763	6.78661	6.83116
CRIPAK	7.74572	8.44752	8.43486	7.19581	6.50292	6.86907	7.21009	7.15769	6.77891
FGFR3	9.44798	8.68108	9.20596	7.98582	5.95749	9.26593	8.6328	7.69415	8.01428
whsc1	7.09335	6.5837	6.65754	6.71513	5.6167	6.3004	6.53152	6.51849	6.16843
SCARNA22	7.30834	8.54802	7.45504	7.1099	7.77484	8.53425	8.30899	7.42979	7.47336
c4orf48	4.05703	5.07934	4.89661	6.06919	7.35722	6.04542	5.01517	6.11861	5.62569
CFAP99	5.4665	5.5918	5.64479	6.20866	6.61707	6.4609	6.25542	6.13819	6.40237
RNF4	7.84514	7.6435	7.98717	7.16813	5.9984	6.94592	7.59372	7.16952	7.48377
SH3BP2	6.91822	6.54738	6.8464	6.77637	6.95934	8.01538	7.04805	7.97233	7.19357

ADD1	7.90842	7.82333	7.82756	7.49159	6.83555	7.48781	7.76967	7.74591	7.83303
GRK4	5.96178	5.87088	5.68524	5.43488	5.73026	6.17386	6.17533	5.72938	6.21793
HTT	8.99302	8.69084	8.80563	8.25524	6.43529	7.95239	8.29184	8.40653	8.27942
MSANTD1	5.46922	4.96624	5.50668	6.04321	6.37235	5.72211	5.80475	5.96067	6.11258
RGS12	6.42002	6.33888	6.09959	6.5428	6.25738	7.48651	6.52031	7.38952	6.98251
HGFAC	5.60418	5.78134	5.5142	6.55826	6.47703	6.80553	6.37961	6.42777	6.56499
DOK7	6.6859	6.54599	6.59172	6.76714	7.19662	7.47013	6.79869	7.05398	7.18624
LINC00955	5.03896	4.53433	5.00457	4.8801	5.58538	5.07967	4.62288	4.83533	5.06261
ADRA2C	6.20643	6.33418	6.60183	6.43175	5.89931	6.77354	6.70505	6.17158	5.98762
zbtb49	6.791	6.8888	7.07448	6.39088	6.18769	6.10787	6.60409	6.32387	6.47713
NSG1	6.48309	6.79893	6.46	6.96996	5.29743	6.60787	6.78616	6.21733	6.72014
STX18-AS1	6.8246	6.8241	7.13484	6.23146	6.52183	6.3392	5.41632	6.23861	6.14693
MSX1	6.2978	5.90593	6.2222	6.93027	6.91111	7.19214	6.37509	6.79885	6.6729
STK32B	4.90096	4.174	5.385	5.17517	5.57198	4.96839	5.35134	5.21819	5.31554
LINC01587	5.43205	5.29084	5.33797	5.21721	6.13347	6.09464	5.73221	5.62103	5.46227
EVC	7.825	7.85511	7.8499	6.71069	6.68058	6.79939	7.19874	7.08595	7.11421
LOC285484	5.62023	5.94464	5.53533	6.05989	6.40328	6.31177	5.72624	6.3838	6.04308
WFS1	7.22981	7.50764	7.55395	6.95758	5.80683	6.93996	7.16995	7.07303	6.22316
MRFAP1	7.95028	7.90476	7.77247	8.32921	6.39348	7.914	8.37568	7.95141	7.86609
LOC93622	6.09646	6.3383	6.37861	5.69281	4.5828	5.37991	6.37724	6.01849	5.14378
S100P	6.60491	6.28019	6.64597	6.25717	8.83755	8.47456	8.15533	8.21063	7.57933
BLOC1S4	5.63122	5.67073	5.72147	5.89863	5.16476	6.79398	6.75656	5.98057	6.02099
KIAA0232	7.59334	7.58549	7.65233	7.39323	5.95895	7.58666	7.40443	7.77451	8.08407
TADA2B	7.35538	7.09666	7.28907	7.77741	7.25041	7.91265	7.66347	7.57998	7.59327
SORCS2	6.49516	8.16373	6.94031	7.77991	6.49152	8.26756	8.50194	8.54397	8.38203
MIR4798	5.8849	6.82191	6.00272	5.78314	4.10447	4.93207	4.88308	5.93686	6.72419

MIR4274	5.17812	5.31587	5.51951	5.9218	6.2106	6.37085	5.42533	6.04174	5.90347
AFAP1-AS1	5.06012	5.01234	5.41876	5.72599	6.40457	5.75443	5.42774	5.41032	5.47993
SH3TC1	6.22412	5.94907	6.20962	6.92353	6.67519	7.36298	6.75137	7.36296	7.35472
HTRA3	6.64788	6.51495	7.84161	7.14022	7.03585	7.09431	7.63968	7.49898	6.89988
TRMT44	7.38979	7.71846	7.30539	7.274	6.97701	6.71479	6.92403	6.64695	7.03142
GPR78	5.8636	5.65886	5.46659	6.46751	6.46743	6.33867	6.14566	7.50486	6.96421
CPZ	6.20983	5.80819	6.13248	6.57135	6.26899	6.68718	6.38855	6.88586	6.71025
LOC650293	3.08941	3.28504	3.92596	2.98229	7.00756	3.43507	3.11474	3.01155	2.49297
USP17L10	4.78775	4.89611	4.61045	5.75537	6.77764	5.78073	5.60459	5.97717	6.04663
USP17L12	6.0925	6.24386	6.28098	5.85794	11.4045	6.79858	6.03618	6.64365	6.38642
USP17L15	4.39125	4.2106	4.0269	4.72996	11.1954	5.1601	4.976	4.3412	4.19224
USP17L9P	6.0925	6.24386	6.28098	5.85794	11.4045	6.79858	6.03618	6.64365	6.38642
DRD5	5.72848	6.09856	6.10142	6.58324	7.55182	6.94128	6.45766	6.39906	6.5356
LINC01085	4.51605	4.70775	4.63487	4.7073	6.2343	5.20493	4.87493	5.06953	4.77622
CPEB2	10.2786	10.3346	9.85138	9.76748	8.65019	10.9693	9.97866	10.6878	10.4111
C1QTNF7	5.17472	5.33547	5.84384	5.46691	6.46772	5.56736	5.66211	5.50593	5.86647
CC2D2A	6.72607	7.22036	6.84925	5.91811	5.61858	5.41039	6.17346	6.04201	5.85482
BST1	6.1775	6.34752	6.6415	6.18303	6.68891	6.32068	6.27254	6.11234	6.03672
CD38	4.83349	4.60282	5.2618	5.63212	5.64399	5.69721	5.28487	4.88374	5.00718
TAPT1-AS1	6.57681	6.25705	5.78051	5.5961	5.72807	6.11782	5.86742	5.2277	4.96889
CLRN2	5.49924	5.23676	5.48188	6.57745	7.2637	6.16777	6.12416	5.91683	6.06954
LAP3	7.72534	7.46549	7.71416	7.51401	6.09526	6.81211	7.52031	6.01215	6.66142
MED28	8.72661	8.42035	8.64001	7.50105	5.68523	7.01496	8.08208	7.55574	7.57211
SLIT2	7.71363	7.38037	7.4383	6.96521	5.83224	6.02781	6.34879	5.97978	6.26609
SLIT2-IT1	6.00066	5.90162	5.89845	6.06596	6.7392	6.16642	6.01903	6.15095	6.11832
MIR218-1	6.50176	5.64341	6.25104	6.19822	7.45908	6.21219	5.86777	6.00261	5.90407

PACRGL	7.54001	7.75334	7.84933	6.23815	5.36059	5.27904	6.23723	5.76165	5.95908
SEPSECS-AS1	7.32359	7.27438	7.41119	5.29243	6.34589	5.38597	6.37637	5.29102	5.71454
PI4K2B	7.48284	7.75479	7.82131	7.58486	4.959	7.28039	8.21263	7.12054	6.95313
ANAPC4	7.77883	7.60955	7.51898	6.38621	4.80343	5.43144	6.92084	5.80168	6.16496
SMIM20	6.66043	6.67137	6.72936	6.87799	6.52338	6.71648	6.76021	6.3539	6.39269
RBPJ	7.78739	7.38605	7.80185	7.09972	7.02239	8.03445	6.93423	7.90403	7.45388
STIM2	7.7758	7.8075	7.52982	7.3713	5.82553	6.85765	7.59511	7.83822	7.21662
MIR4275	2.59075	2.92143	3.11484	3.66867	4.63292	2.86839	3.19583	3.47034	2.99356
PCDH7	8.84513	9.42886	8.30695	8.0613	5.12768	7.35872	8.71363	7.97037	8.48954
DTHD1	3.81365	3.78873	4.01603	4.01813	4.11915	4.26626	4.86429	3.95477	4.14179
NWD2	5.00855	5.49709	5.18926	5.35342	5.88606	6.63033	5.66162	5.6097	5.64574
C4ORF19	5.89131	6.30482	6.12084	5.38457	6.02818	5.98216	5.24505	6.06331	5.82629
PGM2	10.6671	10.5193	10.4185	10.9668	10.1669	11.0652	11.2013	10.7832	10.8645
PTTG2	5.70733	5.79272	5.65444	5.97267	5.80098	6.14399	5.64855	5.97133	5.71184
KLF3	10.9726	11.0253	10.876	10.4744	9.41287	10.9929	10.2341	9.88466	10.6942
Mir574	10.6178	11.1324	10.6731	10.7515	11.1158	10.305	10.2171	10.0883	10.7812
KLHL5	7.58314	6.69978	7.38468	7.0304	5.68766	5.89101	6.85823	7.26898	6.75525
WDR19	7.92155	8.01618	7.78824	6.63298	5.86583	5.46522	6.43995	6.73936	5.90838
KLB	5.02229	5.06797	4.70241	5.08221	4.91633	5.40769	4.70335	5.02692	4.75096
LIAS	8.54032	8.55892	8.2106	6.82885	5.20808	6.22884	7.46163	6.41112	6.69205
LOC401127	6.1938	6.62655	5.88515	7.44476	7.64147	7.43434	6.80161	7.1453	7.09628
UGDH-AS1	5.67987	5.63383	5.99703	5.73971	6.10139	6.15087	6.2625	6.22098	6.41254
UBE2K	11.3778	11.6029	11.1881	11.5343	10.1474	11.2092	11.6746	11.2233	11.4669
N4BP2	7.83354	8.32729	7.92171	6.81743	4.79598	7.20111	7.61644	7.28803	7.38704
RHOH	5.13324	4.97745	5.23266	5.25907	5.51335	5.56711	5.31877	5.25587	4.87271
UCHL1	5.59621	5.58455	5.82053	6.25821	6.18624	6.21216	5.72186	5.95781	5.66328

LIMCH1	8.10208	7.60655	7.45544	7.48671	6.61853	6.91346	7.90058	6.95848	6.79853
TMEM33	9.17179	9.07005	9.17852	9.05648	6.3413	8.48865	9.14391	8.71047	9.09297
DCAF4L1	4.49522	4.9641	4.89424	4.94111	4.92086	4.74389	5.16608	4.98144	5.24273
SHISA3	6.21096	6.28999	6.44713	6.95284	6.97453	6.94725	6.49388	6.72549	6.61403
GUF1	8.84607	9.04554	9.11871	8.06553	4.84256	7.54165	8.58107	7.59145	7.89641
NIPAL1	8.01864	7.77571	7.96279	7.34508	5.68955	7.42005	7.80152	6.77601	7.46371
ZAR1	5.19888	5.214	5.25117	6.02852	5.8317	5.81224	5.65519	5.92758	5.47886
OCIAD1	7.96008	8.32077	8.10233	7.92264	6.42549	7.68219	8.23393	7.47483	7.81041
CWH43	10.0214	10.0461	9.62959	10.0538	8.94959	10.7351	10.3487	10.7191	10.6473
SPATA18	7.99205	8.20075	8.04349	7.4548	6.78268	7.06262	7.93254	6.50789	7.18404
DANCR	7.57832	7.5974	7.5969	7.30531	6.20786	6.63021	7.57022	6.58978	7.19754
LINC01618	3.07559	3.06679	3.07235	3.15894	3.12127	3.24385	2.95426	3.16942	3.12506
FIP1L1	9.47863	9.62861	9.49406	8.6065	7.20948	8.12805	9.19519	8.68774	8.84043
LNX1-AS1	4.58687	5.2634	5.16422	5.61547	5.81592	5.50148	4.87339	5.87518	5.22684
LNX1-AS2	4.96022	5.11391	5.05791	5.29416	5.84969	5.43561	5.36482	5.62014	5.30542
GSX2	6.31189	6.26089	6.18242	6.83315	7.19206	7.16105	6.77982	6.86323	7.15281
KIT	8.59776	7.65413	8.61728	4.86828	4.97766	5.39811	6.61624	5.4557	6.50579
SRD5A3	8.84557	8.37698	8.72441	7.97398	7.98898	8.32366	8.57239	7.25794	7.60939
TMEM165	9.35459	9.63071	9.70507	9.21239	7.59998	8.26907	8.48851	9.59594	8.90721
LOC644145	2.63069	2.61791	2.43583	2.8212	3.74599	3.50101	2.59465	2.77761	2.79842
EXOC1	9.20358	9.05467	9.15867	8.58385	6.97044	8.43741	8.59822	8.44758	8.73001
CEP135	6.98971	7.22241	7.13361	6.07035	5.58611	5.27578	6.68635	6.46348	6.38755
KIAA1211	4.7211	4.53981	4.77811	5.22914	5.364	5.29475	4.69083	5.12475	5.05294
SRP72	10.3727	10.3366	10.5816	9.94723	7.52134	9.69997	10.0926	9.90544	10.1687
ARL9	4.92165	5.0388	5.10766	4.0069	4.17777	4.84218	6.14353	4.38375	4.62106
THEGL	5.30745	5.11461	4.82646	4.98656	6.05879	5.76492	4.9507	5.14526	5.48198

REST	7.9457	8.11516	8.17267	7.12047	5.16251	6.86187	7.83571	7.42013	7.5819
IGFBP7-AS1	5.21896	5.21882	5.11605	5.74442	5.97842	5.21082	5.38003	5.3035	5.27521
ADGRL3	6.95441	7.98985	7.00163	7.38788	5.60957	6.11805	6.74915	5.38184	5.36951
EPHA5-AS1	5.66772	5.81813	5.39617	5.50077	6.09449	6.22847	5.53001	5.65068	5.64269
MIR1269A	6.28308	6.78441	6.88124	6.89572	8.27033	6.6415	6.51355	6.36095	6.52785
STAP1	4.44604	4.36917	4.55883	4.26952	4.34488	4.44113	4.69051	4.01592	4.31591
LOC550113	5.89709	5.69394	5.61248	5.32217	5.98988	5.76103	5.49242	5.21769	5.581
CSN1S1	3.47618	4.33502	4.20298	4.16723	4.95131	4.86438	5.26022	4.64234	4.61349
STATH	2.71519	2.85346	2.68503	3.34162	3.39443	3.11827	3.07036	3.1305	2.87182
HTN3	2.86238	2.85222	2.84516	2.79361	4.35184	3.18341	3.35289	2.40454	2.65034
HTN1	2.28314	2.10023	2.13515	2.29028	3.58076	2.01813	2.23185	1.9241	2.02049
PRR27	4.60843	4.96613	4.85514	4.68708	5.35975	4.90596	5.02827	4.77924	4.545
FDCSP	3.86989	4.61865	4.44551	5.20933	4.79727	4.78023	4.76125	4.39868	4.02071
CSN3	4.59141	4.62245	4.70338	5.39782	5.47721	5.32523	5.44307	5.39472	5.20047
SMR3A	4.8893	4.8146	4.03134	4.27069	5.46806	4.96053	5.13219	4.60683	4.83187
SMR3B	3.3345	3.23448	2.80092	3.33879	4.44862	3.84863	3.17404	3.18299	3.3379
AMTN	3.42396	4.09272	3.62845	3.87732	4.29805	4.71878	3.87447	3.45251	3.75501
AMBN	4.74331	4.77676	4.90261	4.73616	6.35441	4.54602	4.86663	4.96514	5.16943
ENAM	4.87168	4.86052	4.54038	5.17542	5.67775	5.483	4.93814	5.52722	5.26417
RUFY3	9.24942	9.47159	8.95177	7.61451	6.89595	7.32652	7.66012	7.39991	8.39229
MOB1B	7.28658	7.27723	7.51128	6.13492	5.3504	5.38012	6.42143	5.43485	5.99889
DCK	8.03836	8.02326	8.04382	7.17249	6.23089	6.85711	7.1386	6.44792	6.94016
NPFFR2	4.15303	4.44978	4.12439	4.50726	4.57682	4.8149	4.55119	4.35029	4.60856
ALB	4.27661	4.7739	4.20092	4.35252	6.27832	5.04495	4.28962	4.47889	4.53612
AFP	4.02615	4.27037	3.78329	4.47991	4.15407	4.13473	4.39522	3.881	3.60033
AFM	3.258	3.56851	2.81851	4.02799	4.47101	4.04165	3.66825	3.67102	3.71011

LOC728040	3.55385	3.24299	3.35574	3.4191	4.30786	3.50503	3.65952	3.78208	3.61505
CXCL8	5.94094	3.94088	4.9325	6.08967	7.297	10.5815	7.29456	10.1654	9.4856
CXCL6	3.67975	4.07068	3.70569	4.45697	4.58054	4.73852	4.23396	4.72736	3.89266
PF4V1	5.53805	5.37172	5.53238	5.92792	6.07128	5.68832	5.16526	5.64931	6.22497
MTHFD2L	6.58139	7.37252	6.86341	6.42977	6.52198	6.22115	6.91218	6.26333	6.64961
epgn	6.34515	8.45938	7.10885	11.1331	9.49951	11.3764	11.4434	11.4126	12.4341
EREG	10.3182	10.3759	10.0965	10.8971	10.9795	11.3497	11.2871	11.9023	12.0037
AREG	8.06276	7.16763	6.68808	10.5918	8.9761	10.5507	9.96219	12.2228	10.7022
PARM1	8.76259	8.75237	9.53867	7.12346	7.26349	7.08646	7.08345	6.29967	7.82425
LOC441025	4.2623	4.06031	4.13626	4.15525	6.04005	4.66811	4.55591	4.42461	4.56166
THAP6	6.30646	6.11136	6.2037	4.90335	4.26502	4.39966	4.73908	4.59705	5.13496
C4orf26	3.7055	4.08039	4.17441	4.44488	4.862	4.80094	4.76831	5.00233	4.15319
USO1	9.40936	9.54646	9.50207	8.88311	7.602	9.26734	9.31205	9.40289	9.50239
ART3	3.52352	3.99434	3.8519	4.34192	4.56229	4.34504	4.29293	4.09183	4.09594
SHROOM3	6.44953	6.80763	6.88842	6.08737	6.81589	6.3208	5.85715	7.06313	6.94106
MIR4450	6.95498	7.5678	6.90766	6.83022	8.27871	7.37713	6.74154	6.92857	7.20996
44450	7.31344	7.18183	7.25094	6.86621	6.03865	5.51147	6.15553	6.3283	6.29756
CCNG2	7.06518	7.10248	6.89505	7.10779	6.30293	8.62784	6.9481	6.94862	7.51227
CXCL13	4.34823	4.37559	4.16842	5.75642	5.71858	4.99195	4.97558	4.82476	4.54051
MRPL1	7.102	7.06738	7.19349	6.20418	5.31478	6.27361	7.59839	5.89643	6.69089
FRAS1	5.52823	6.45525	5.65828	5.92492	6.08532	5.7189	5.5675	5.58432	5.60528
ANXA3	7.83601	6.66494	7.41803	9.81897	7.90753	10.8675	9.78783	10.8013	10.8942
LINC01094	7.4206	8.01211	6.77637	7.21337	6.65576	7.70657	7.21106	7.04926	9.06015
BMP2K	10.4457	10.065	10.0032	10.2932	9.13823	10.7551	10.2783	11.0548	11.0531
LINC01088	5.19829	5.85435	5.97534	5.02618	5.2285	4.10145	5.21172	4.30269	4.8321
LINC00989	6.07517	6.1484	6.60038	6.25439	7.05989	6.18555	4.8817	5.84751	6.08653

PCAT4	3.64824	4.00724	3.7586	4.42139	5.14732	4.31519	4.25625	3.83122	3.86968
PRDM8	5.60359	5.91737	5.9861	6.06919	6.60008	6.23749	5.71511	5.77858	5.77772
FGF5	5.51745	5.61626	6.26539	6.1245	6.45197	6.06786	5.87903	6.29649	6.06307
c4orf22	3.51916	3.46158	3.45365	3.54328	3.29244	3.79992	3.71595	3.80886	3.69241
BMP3	5.87861	5.58279	5.83641	6.22581	6.66789	6.21245	6.11654	6.15956	6.15789
ENOPH1	8.03421	8.25924	7.96114	8.15129	6.63976	7.72084	8.37734	7.89769	7.65494
THAP9	4.97599	5.36144	5.30924	4.44082	4.48506	5.09977	4.89461	5.0567	4.61039
COPS4	7.60679	7.07844	7.33476	7.20582	5.55598	7.63489	7.89495	7.42867	7.35065
GPAT3	6.19768	6.06013	6.25168	6.81437	6.91094	8.9502	7.76108	9.04098	8.49979
cds1	9.66764	9.55923	9.46375	9.87158	9.04928	9.73535	9.83404	10.9156	10.2949
arhgap24	8.03347	7.77133	7.42473	6.13881	6.71928	5.574	6.14961	5.79578	6.51363
MIR4451	7.77658	8.80223	7.75013	4.34217	6.16585	5.29066	5.01519	5.41211	5.96146
NUDT9	6.64202	7.22549	7.02851	7.16697	6.65377	7.11788	7.45658	6.62449	6.89942
DSPP	5.00443	5.14308	5.35881	5.05682	5.84963	5.22386	5.65288	5.45657	5.32224
DMP1	3.28532	3.21917	3.33218	3.47405	4.02555	3.62522	3.50766	3.52364	3.32902
IBSP	3.17334	3.60244	3.22185	3.79215	4.13638	3.55319	3.42135	3.83193	3.57934
MEPE	3.64417	3.49142	3.21088	3.38924	5.14116	3.76626	3.59266	3.44179	3.59785
SPP1	5.57286	5.66697	7.05485	6.48119	6.2537	7.02343	6.95984	6.63866	6.46179
PKD2	7.9	7.98664	7.89511	6.62251	6.63695	5.76729	6.87048	6.34069	6.12872
HERC6	8.02562	8.94374	7.60691	6.59249	6.39987	5.90594	6.90172	5.71457	6.24018
HERC5	5.63145	5.69359	5.62442	5.90401	5.60258	5.36316	5.18968	4.88605	5.10522
herc3	8.47918	8.95587	8.98982	8.33728	6.82995	8.97632	8.53623	8.85392	9.49624
FAM13A-AS1	7.50532	7.86654	7.9393	6.87625	6.39132	5.66018	6.23016	7.05057	8.02604
TIGD2	4.52093	5.28765	4.98084	5.61503	4.52497	4.86737	5.69705	4.82659	4.55356
SNCA-AS1	4.36145	4.25352	4.42722	4.56724	5.15864	4.48739	4.59823	4.80236	4.38019
MMRN1	7.54887	6.71884	8.91452	5.64074	5.82361	5.57316	7.23455	6.0557	6.2978

ATOH1	6.03176	6.51746	6.79965	6.55402	6.98615	7.51962	6.83618	7.11113	7.32248
PDLIM5	8.33849	8.22079	8.19601	8.66943	7.27989	8.67485	8.85628	9.65698	9.73892
PDHA2	4.01756	4.24264	4.24169	4.90415	5.59623	5.01009	4.92284	4.50536	4.4704
METAP1	8.60417	8.40454	8.23392	8.22516	5.70393	7.49865	8.41404	8.3097	8.18506
MIR3684	4.43692	3.65953	3.31282	2.46621	1.5706	2.29458	2.97778	3.31945	3.15929
LOC100507053	6.05784	5.72124	5.2977	5.11075	5.25886	4.92057	4.94418	4.82499	4.48108
C4ORF17	4.80744	4.51096	4.99844	4.84097	5.7805	4.7503	4.75775	4.80987	4.6601
MTTP	5.22009	4.84981	4.88966	4.81678	5.65905	5.52705	4.98848	5.05827	4.96175
DAPP1	8.12674	8.60081	7.70343	8.97766	7.24028	9.69405	8.23773	9.47452	9.72241
LOC256880	4.98461	4.88452	4.6596	4.90571	5.86932	4.84537	4.56581	5.21797	4.84322
FLJ20021	7.25896	6.4776	6.9714	7.03611	6.96529	7.02957	7.34992	7.15129	6.97741
BANK1	4.74658	4.73706	5.02811	4.844	5.34212	4.94752	5.30368	5.2299	5.02299
NFKB1	9.01511	8.87407	8.79767	8.84045	7.47013	8.79298	9.36287	9.22852	9.42305
CISD2	8.28853	7.67804	8.26295	8.16517	8.38465	8.30459	8.57488	8.56663	7.96728
TET2	10.0107	10.0347	9.76811	8.60725	7.20863	8.78112	8.58232	8.89712	9.13171
ARHGEF38	4.84798	5.02603	4.79288	4.71955	4.99701	4.74679	4.79955	4.41377	4.60143
ARHGEF38-IT1	4.89997	5.12886	5.19457	5.42567	5.34504	5.00556	4.50307	5.0912	5.04051
NPNT	6.62269	6.20367	6.41793	6.18621	5.97558	5.93456	5.92218	5.4806	6.23386
AIMP1	8.52072	8.46414	8.85243	8.65358	6.69046	7.61457	9.04723	7.42523	8.38679
SGMS2	7.34152	7.34358	7.5469	8.14126	7.80711	8.1216	8.54803	8.87025	9.08384
HADH	7.75082	7.8832	7.97546	7.45084	6.9006	6.86002	7.63816	6.91712	6.73325
LEF1-AS1	4.88754	5.2286	5.1798	4.92653	5.36993	5.37804	4.89927	5.19002	5.27905
RPL34	7.48759	7.59286	7.59889	7.35538	7.24405	7.41081	7.14355	6.6911	7.18789
OSTC	6.57888	6.44927	6.73506	6.74741	5.82256	5.39676	6.12586	5.92098	6.35648
MIR576	6.26894	5.39	5.72448	3.99563	2.08897	2.9866	4.00371	5.01742	5.10333
MCUB	8.69797	8.57357	8.92642	8.56652	7.28649	8.80196	9.34525	8.89321	8.77231

GAR1	6.51006	6.56273	6.47352	7.1834	6.20531	6.66385	7.28508	6.71081	6.74859
RRH	5.35895	6.34656	6.1437	5.2017	6.13203	5.43082	4.88705	5.2576	5.19375
EGF	5.55537	5.44246	5.1156	5.60769	5.88796	5.32709	4.87551	5.29882	5.21071
ENPEP	6.22699	4.62933	5.2338	6.97662	5.62398	4.87926	6.46922	4.75627	6.35838
C4orf32	8.83214	8.36133	9.04466	8.84175	7.015	7.91169	9.00552	7.38093	8.68692
AP1AR	7.47208	7.36866	7.44897	7.25727	5.57206	7.5578	7.55227	7.64256	7.24459
alpk1	8.07973	8.25655	7.84025	6.53781	6.89762	6.1383	6.71298	6.37681	6.83426
MIR1243	4.857	5.2141	5.11336	4.9804	6.0187	5.25019	5.29191	4.89717	5.00858
UGT8	6.36136	6.88212	7.66308	6.01442	5.9844	5.70968	5.5424	5.57907	5.85545
MIR577	4.04512	3.87466	3.8239	4.07487	4.83688	3.85772	4.11292	3.8857	3.8453
NDST3	4.24935	4.17395	4.31257	4.40476	4.87539	4.58169	4.20989	4.38234	4.5043
SNHG8	7.8288	8.07942	8.38602	8.88836	6.52097	8.38881	8.92364	7.29064	8.08733
CEP170P1	7.24439	7.10857	7.30905	6.36006	5.24135	4.47546	5.89808	6.13598	5.6536
METTL14	8.70957	8.81897	8.68125	7.68958	6.1424	6.96139	8.17601	7.8015	7.46251
SYNPO2	8.80189	8.53305	8.84836	6.25295	4.10527	5.03178	5.61596	4.73269	5.45748
MYOZ2	4.33822	4.25074	4.39975	4.58103	5.24417	4.55914	4.07942	4.51373	4.42213
USP53	8.7833	9.27748	9.22953	8.57698	7.75401	9.20835	8.63043	10.3351	9.3706
LINC01061	6.25206	6.08271	6.15523	5.86558	6.98681	4.29577	5.98482	6.10562	6.53084
LOC645513	7.14051	7.35859	7.91563	5.15092	3.96215	3.97505	5.40865	5.28497	5.10406
PP12613	4.53313	4.55942	4.4689	4.51062	4.97846	5.04461	5.09072	4.82401	4.85891
EXOSC9	7.71732	7.88561	8.0022	7.2599	6.41636	6.21928	7.34289	6.67769	6.77401
KIAA1109	9.39234	9.66719	9.31178	8.29099	6.08205	8.24812	8.15998	8.60312	8.74887
ADAD1	3.81976	3.90059	3.86334	4.17167	4.98844	4.34602	4.45465	4.18271	4.08038
BBS12	4.98269	5.19088	5.37672	5.57639	5.34785	5.41059	5.11221	5.57365	4.96756
FGF2	8.01634	7.12043	8.15821	5.34584	5.82776	6.107	6.80525	6.69263	6.99484
SPATA5	8.20274	8.31728	8.40065	6.74182	5.26748	6.18651	6.98893	6.71516	6.5314

LINC01091	5.82192	5.07722	6.13627	5.07722	5.44331	4.63558	5.00984	4.79386	4.80324
FAT4	8.01026	7.66857	7.7643	6.74938	6.40654	6.13124	6.94136	6.65229	6.72514
intu	6.84352	7.29332	6.76601	5.98159	5.43097	5.01244	5.98453	5.26776	5.48914
HSPA4L	10.0623	9.67157	9.34406	10.1186	6.73878	9.56039	9.74971	9.21852	10.0138
PLK4	6.57889	6.42939	6.14056	6.13075	4.94766	4.7049	5.44759	5.67308	4.73428
JADE1	7.34081	7.56459	7.62018	6.9199	6.50864	6.6288	6.65768	7.09643	6.9161
C4orf33	6.96763	6.63647	6.56773	6.03679	6.36939	5.89909	6.415	6.02536	6.53209
PCDH10	5.62146	5.48293	5.2319	6.15197	6.66524	6.64676	6.06706	5.92498	6.00239
SLC7A11-AS1	3.39113	3.73877	3.32582	4.14707	4.06719	3.7782	4.17647	3.428	3.57751
LINC00499	4.09237	4.15539	4.01316	4.31003	5.59214	4.51757	4.14968	3.97536	3.95455
NOCT	7.97063	6.5078	6.92845	9.33457	7.11008	9.46608	9.36528	10.9281	9.98754
MGST2	8.76336	8.62152	8.8892	7.80849	6.68752	7.51834	8.54906	7.1793	6.95855
SCOC	6.90489	6.745	6.97117	7.09923	5.49259	7.02084	7.33501	7.15743	6.59162
ELMOD2	6.42288	6.548	6.68013	6.38385	4.73203	6.03458	6.61627	5.77792	5.86946
ZNF330	7.66075	7.62213	7.74622	7.46575	5.99644	6.66705	7.95901	6.71432	7.21443
IL15	5.01336	4.85627	4.75657	4.32561	4.63345	4.44597	4.37023	4.31402	4.53597
USP38	9.30224	9.12654	9.00293	9.0839	8.25091	9.50006	9.53939	9.89376	9.95389
GAB1	8.95367	8.95873	8.65372	7.96075	6.21232	7.73703	8.06188	8.30196	8.94186
MIR3139	6.34162	5.56496	5.39927	5.08508	2.87864	5.0153	5.00808	6.12087	6.69394
HHIP	3.52601	3.85821	3.77702	3.72659	4.96065	3.9081	3.88275	3.88272	3.7539
SMAD1	7.5466	6.87267	7.17275	6.40637	5.99261	5.64686	6.3413	6.05328	6.52724
MMAA	7.18904	6.96588	6.87472	6.866	6.39292	6.19304	6.91067	6.1422	6.14384
C4orf51	4.35563	4.97651	5.14441	5.03197	6.50725	5.33727	5.12454	5.05141	5.12519
POU4F2	5.23106	5.42696	5.36743	5.89311	5.74952	7.33426	6.51541	6.0744	6.49574
EDNRA	9.26915	8.81039	9.20491	8.78054	6.50984	7.48319	8.28895	7.78889	8.30857
TMEM184C	9.39426	9.04083	9.3561	8.09869	5.77818	7.02684	8.52486	7.69752	8.33382

ARHGAP10	7.73981	7.44115	7.70151	6.82524	6.2751	6.64462	6.97081	7.32449	7.34961
MIR4799	5.50512	5.70072	5.90707	6.72152	6.52501	6.24702	5.98177	6.09267	5.77517
DCLK2	5.57248	5.47533	5.27346	4.59119	4.75902	4.62929	5.03626	4.86215	5.1467
MAB21L2	4.99682	4.77495	4.77388	5.62969	5.91639	5.69301	4.81036	5.56464	5.16327
DKFZP434I0714	6.53027	6.50367	6.93416	6.44313	6.15307	5.11489	5.93222	6.24295	6.57693
arfp1	7.94354	7.92881	7.75929	7.46865	5.61539	7.12054	7.78407	7.16342	7.4637
FHDC1	8.55388	8.34562	8.1285	7.992	6.04794	7.89019	8.56336	7.4659	8.0877
TRIM2	7.76295	7.63601	8.073	6.21807	6.82267	6.46238	6.9708	7.9483	6.82774
MND1	5.6129	4.84885	4.94956	4.91175	4.77069	5.18462	5.31465	4.18272	4.56283
KIAA0922	8.7503	8.65261	8.34027	8.44304	6.55004	7.66951	8.45584	8.04826	8.21755
TLR2	6.52054	5.98875	6.6258	6.08712	6.63721	6.91746	7.09975	6.47586	6.59203
FGB	4.14825	4.53345	4.18953	4.45465	5.44952	5.05917	4.63011	4.43194	4.46832
LRAT	5.00375	5.38986	5.20462	5.80164	6.05388	8.2205	6.08192	6.53286	6.01216
RBM46	4.23794	4.30964	4.63345	4.97115	5.05429	5.27629	4.75529	4.82977	4.76802
npv2r	5.06766	5.04265	5.2732	5.30945	5.63025	5.55405	5.06873	5.24652	5.35067
LOC340017	4.44505	4.21732	4.17728	4.60569	5.01649	4.94669	4.95965	4.5468	4.39612
TMEM144	6.65978	6.89535	6.60718	5.66956	6.13999	5.85476	5.73334	5.39065	5.93519
RXFP1	4.67361	3.27949	3.49229	3.60403	4.24155	3.73576	3.71675	3.88984	4.33794
ETFDH	8.96682	9.07424	9.01409	8.39881	5.49171	7.74833	8.217	8.15193	8.16651
FNIP2	8.46918	9.48837	8.98877	8.37221	6.93162	9.2888	8.62231	8.2837	9.02558
RAPGEF2	9.00446	8.82275	8.72329	8.06937	6.32332	7.8281	7.79747	9.26903	8.57815
MIR3688-1	1.79171	2.02581	1.8985	2.13178	1.80553	2.50834	2.64081	2.51067	1.96367
NPY5R	4.38849	4.70407	4.84925	4.48859	5.11139	5.23682	4.50274	4.83226	4.63414
TMA16	7.27789	7.93135	7.6492	6.68638	5.20921	5.97996	6.84454	6.04371	6.2229
LINC01207	4.37043	4.66962	4.62288	4.99225	6.01458	5.64608	5.24678	4.78453	4.6025
Apela	6.80306	5.94383	4.82457	5.21228	5.26245	5.13991	6.11	5.12959	4.79332

TRIM60	4.35021	4.37383	4.42397	4.76482	5.0276	4.78976	4.71435	4.57206	4.57456
MSMO1	11.4101	10.8328	11.2997	10.5154	9.39887	10.1874	11.1287	11.1948	11.5229
CPE	6.77181	6.75251	6.93583	6.21422	4.97126	4.8556	6.53032	5.1836	5.04414
MIR578	4.41326	4.49637	3.85601	3.26094	4.08406	4.49245	3.93788	3.15599	4.03847
TLL1	6.50495	7.77312	7.1314	6.15561	6.32042	6.33102	5.73342	6.00758	5.767
ANXA10	4.51437	4.31002	4.47149	4.57599	4.77234	4.49435	4.44045	4.49752	4.54432
LOC100506122	2.99412	3.335	3.08409	3.35238	4.50931	4.30796	3.89455	4.08297	3.29066
GALNTL6	5.01468	4.99415	4.88871	5.34256	5.63209	5.19571	4.97325	5.41704	5.13942
GALNT7	6.93429	6.84674	7.02799	7.91473	5.97333	6.73953	7.8273	6.2588	7.80332
MIR548T	4.11118	4.87772	4.62009	5.65166	3.74899	6.08948	3.86064	6.3032	6.0123
HAND2-AS1	4.94361	4.98484	4.98484	4.76919	5.01891	5.10822	4.53366	4.99838	5.31818
CEP44	7.12613	7.34466	7.05945	5.60827	4.96474	5.08924	5.97101	5.48751	5.06346
MIR4276	2.77736	2.40224	3.01031	2.81287	2.72291	3.84297	4.44208	3.25936	2.86638
ADAM29	4.212	4.17262	3.7935	4.40284	5.06811	4.07015	4.19674	4.24805	4.64868
WDR17	4.58599	5.10765	4.8242	4.37067	5.02018	4.87502	4.45909	4.76367	4.55732
SPCS3	9.01878	9.53182	9.20286	8.69292	7.33623	8.86085	9.05611	8.77359	8.76617
NEIL3	6.48532	5.94967	5.92922	5.51554	5.73412	5.36042	5.74115	6.08743	5.84907
LINC01098	3.19277	3.25817	3.05208	3.35218	3.28772	3.78009	3.15731	3.44978	3.17754
MIR1305	3.05213	1.68897	2.53458	2.59604	2.41104	2.14006	2.80975	2.73959	4.77697
WWC2	7.53758	7.51369	7.59522	7.14286	6.43961	7.7908	7.34264	9.0217	8.01678
CDKN2AIP	7.50625	7.0795	7.15505	6.85179	5.40178	7.34113	7.53923	7.63639	7.20614
TRAPPC11	8.92048	9.10104	9.02368	8.68858	6.97758	8.79708	8.67612	9.0243	8.68158
STOX2	7.83515	7.52672	7.43453	6.691	6.39173	7.14681	6.87876	7.34039	7.2009
PRIMPOL	6.91103	6.53801	6.73234	6.25463	5.90862	6.0546	6.54589	5.69993	5.25062
MIR3945HG	4.47385	4.64163	4.42724	4.91789	5.81514	5.23714	4.90818	4.43189	4.49407
LINC01093	4.85492	4.85636	5.32606	5.60659	6.39559	5.93856	5.55783	5.80315	5.38866

HELT	5.88018	5.96837	5.89893	6.66067	5.69123	6.97049	6.41325	6.32175	6.42973
SNX25	7.9467	8.3032	7.97046	7.71978	7.17537	8.38269	8.08861	9.32255	8.5098
ANKRD37	6.86788	6.79401	6.94226	7.43208	10.3285	10.0624	8.5718	11.0445	8.46024
TLR3	7.12746	6.96991	6.92574	4.79783	5.33353	4.81781	5.74239	4.64522	4.49792
F11	4.04351	3.88717	3.92634	4.10533	5.20076	4.32492	4.03603	4.1864	4.52576
ZFP42	4.27621	4.46358	4.36853	5.70992	4.41913	6.27652	5.23497	5.07693	6.60026
TRIML1	4.98415	5.27539	5.20373	5.49923	5.94115	5.57842	5.32567	5.45375	5.34313
LINC01060	4.91904	4.38309	4.48935	5.77812	5.05268	5.23147	4.95016	6.4472	5.90784
FRG1	6.86745	7.31478	7.51709	6.54108	6.18	5.57125	7.55943	6.09839	6.9502
DUX4L8	6.88986	7.04057	7.22385	7.84166	10.4365	7.93778	7.54886	7.78718	7.66109
DUX4L1	6.688	6.87483	6.89292	7.41104	10.7874	7.34407	6.98184	7.31823	7.46095
ZNF732	5.85397	7.74229	6.94494	6.10772	5.52597	5.08064	6.03379	4.98888	5.49338
MFSD7	7.03482	6.68148	6.86765	7.19461	7.11935	7.27115	6.62751	7.11055	6.86839
LOC100129917	6.69299	7.55261	7.28927	6.85503	5.60419	6.72226	6.93979	6.9222	7.16865
CPLX1	5.62322	6.08797	5.96775	6.65917	6.40425	6.82209	6.45957	6.57297	6.11591
GAK	7.70185	7.43112	7.71833	7.70753	6.66385	7.63692	8.12239	8.30189	7.87813
RNF212	6.47236	6.42483	6.24797	5.9272	5.968	5.50972	5.97834	6.44054	5.88763
CTBP1	7.33822	6.9291	7.05689	7.5223	6.81473	7.11601	7.22215	7.13808	7.11783
SLBP	9.09991	9.15319	9.35001	9.3488	7.16056	8.74846	9.50454	9.20598	8.4957
TMEM129	7.09429	7.10827	7.09326	7.11489	6.72524	7.08467	7.5794	6.89839	7.04207
LETM1	7.60057	7.49198	7.27708	7.84134	7.43366	7.49957	7.72828	7.22158	7.65222
NELFA	7.94013	7.85127	7.81572	8.48167	8.65353	8.6794	8.3319	8.53996	8.49112
POLN	6.66638	6.47043	6.31209	5.76166	5.91163	5.28232	5.69136	5.86486	5.69398
MXD4	7.12055	7.23368	7.12413	7.43954	6.67756	7.17825	7.32616	7.18023	7.11951
TNIP2	7.15805	7.3013	6.98801	7.44275	7.51227	7.57158	6.92644	7.83794	7.60074
MFSD10	8.14482	7.61149	7.97821	9.37861	9.09473	9.7662	9.30534	9.52201	9.23156

NOP14	8.53191	8.60482	8.88643	8.48946	6.09058	7.97049	8.90609	7.81324	8.07871
HTT-AS	5.96144	6.05979	6.38824	6.85943	7.28491	7.25215	6.71672	6.94695	6.43298
LRPAP1	7.57983	7.43101	7.61995	7.5373	6.39493	7.25456	8.00401	7.45047	7.65279
OTOP1	6.40698	6.36654	6.40704	6.25493	6.77706	6.03518	6.18215	6.37751	6.24018
TMEM128	8.17699	8.36928	8.84783	7.30635	6.38904	6.49813	7.6812	6.84506	6.6877
LYAR	6.00621	6.63217	6.5301	6.82813	4.63176	6.35082	7.03354	6.31676	6.64538
STX18	8.94468	8.69393	8.79412	7.97816	6.78475	7.84634	8.14199	8.61377	7.84758
CYTL1	6.36777	6.68148	7.10604	6.68424	7.20331	6.58726	6.53366	6.87654	5.7025
EVC2	6.20719	6.18784	6.08549	6.06316	6.03781	5.95527	5.86482	6.14325	5.71215
CRMP1	5.07795	5.23493	5.21202	5.54958	5.85285	5.97489	5.76092	5.54625	5.41317
MIR378D1	2.53251	2.08202	1.96256	2.29689	4.95221	2.62635	3.56572	2.66312	2.49695
JAKMIP1	4.34986	4.2824	4.51835	4.90428	5.58312	5.62755	4.6879	4.88172	5.03196
MRFAP1L1	6.13137	6.1623	6.47862	5.83872	5.5013	5.39346	6.55497	5.48672	5.64468
LOC100129931	6.07527	5.63588	5.77065	6.34872	5.74345	6.37315	6.28646	6.10758	6.23504
CCDC96	5.19219	4.88558	4.95566	5.62537	5.20178	6.04924	5.69721	5.32373	5.1547
FLJ36777	4.93176	5.62396	5.14779	5.71599	5.20777	5.23272	5.10432	5.39407	5.19429
PSAPL1	8.50301	8.67023	8.33037	8.14391	7.58455	7.74635	7.55637	7.79072	7.42988
AFAP1	6.79224	6.93595	7.07278	6.76109	6.24233	6.4318	6.44774	6.10509	6.38808
MIR95	5.21552	6.93654	5.33621	2.39292	3.03647	2.46622	2.50886	3.96306	4.71611
HMX1	6.36678	6.59238	6.66316	7.66157	6.9964	8.37073	7.44422	7.70785	7.4691
MIR548I2	8.65583	9.98805	9.13481	4.78352	10.5764	5.03863	4.78888	5.47536	5.43406
WDR1	9.19162	8.52596	8.77621	9.49027	7.50427	9.74962	9.64121	9.56366	9.80358
MIR3138	5.69345	5.53164	5.42059	6.32986	6.56324	6.44369	5.93225	6.49922	6.24272
ZNF518B	7.78325	7.48807	7.40112	8.25523	7.16033	6.88146	7.97439	7.43458	7.57147
CLNK	4.80012	5.00828	4.71343	4.9115	5.11217	4.87338	4.69686	4.69485	4.78325
HS3ST1	6.08326	5.94399	6.01215	7.26619	6.55865	7.78562	7.21522	7.29719	7.1077

LINC01097	6.09976	6.309	5.78651	6.72245	7.38332	6.81602	6.37805	6.47333	6.43619
NKX3-2	5.85455	6.15555	6.09225	6.6915	6.479	6.78401	6.64288	6.68211	6.5417
LINC01096	4.43035	4.30964	4.73597	5.1347	5.38249	5.15055	4.976	5.08634	5.24301
BOD1L1	8.63211	8.86609	8.89194	7.3713	5.85913	7.23185	7.89225	8.38489	7.58987
CPEB2-AS1	4.93488	5.14288	4.92874	4.90016	4.67105	4.79018	4.57725	4.41025	4.59977
FBXL5	10.3358	9.98055	10.3873	9.70193	7.66992	8.94524	9.7478	9.87032	9.95193
fgfbp1	8.0635	7.03578	7.48449	10.0198	7.50044	9.52332	10.0318	9.13199	10.1544
FGFBP2	5.97014	5.97092	6.30912	5.93996	6.46701	6.11219	5.87847	5.89182	5.89664
PROM1	6.34487	6.72894	6.39785	5.44783	6.4561	5.55706	5.84822	5.51484	5.48462
TAPT1	7.41107	7.5823	7.57353	6.4174	5.88036	5.96738	6.87259	6.61353	6.80442
LDB2	7.18216	7.18362	7.46882	6.99315	6.50438	6.22351	6.4016	6.65354	6.55996
QDPR	6.8264	7.12539	7.22719	7.57963	6.75905	7.19739	7.58161	6.95571	7.09917
DCAF16	9.45974	9.75802	9.77217	8.23585	6.35097	7.0207	8.65345	8.18153	7.9262
LCORL	7.97221	7.60886	7.59137	6.76618	5.50524	7.43864	7.37608	7.56731	7.37592
KCNIP4	4.56747	4.61345	4.75731	4.86194	6.10374	5.1204	5.02763	4.68394	4.74361
LOC100505912	5.86453	6.03352	6.18475	6.32197	7.72234	6.23481	5.81147	5.94273	6.0535
adgra3	6.96599	6.78486	6.9271	6.73734	6.29822	5.90102	6.63958	6.02234	6.38337
DHX15	9.08736	8.99652	8.96117	9.06001	6.44426	8.5685	8.97097	8.93695	8.80983
MIR573	7.22315	7.20385	7.49746	3.86763	5.19704	4.03594	4.39952	5.0015	5.31412
CCDC149	6.74615	6.632	6.7307	6.36719	6.17877	6.41599	6.39593	6.57573	6.60051
SEPSECS	8.3931	8.22339	8.37949	7.13688	6.43903	6.61578	7.373	6.23877	6.59416
SEL1L3	6.81926	6.19437	6.72281	6.92818	5.79352	6.39682	7.09149	7.59023	7.26866
CCKAR	5.08195	5.11301	4.88287	5.42721	5.49556	5.81511	5.34187	5.90485	5.33946
MIR1255B1	2.163	2.28954	2.09687	2.81218	1.78853	2.91357	4.01437	1.8562	2.23384
RELL1	9.0389	8.46971	8.81761	8.218	7.94529	8.87979	9.04367	9.39438	8.97371
KLF3-AS1	6.03042	6.63983	5.89957	5.75167	6.10062	6.74889	5.7408	5.98094	5.69767

TLR10	5.29453	5.18837	4.98525	5.03378	5.65855	4.86035	5.26934	5.03959	4.81835
TLR1	5.31248	5.04867	5.95227	4.65781	4.70356	4.56315	5.09234	4.93752	4.80548
TLR6	5.74738	5.79521	5.79909	5.48228	5.52713	5.11105	6.23041	5.46497	4.9871
TMEM156	3.64109	3.72476	3.67245	3.73296	4.58031	3.62477	3.90564	3.78279	3.77945
RPL9	7.8369	7.73467	7.77716	8.01805	7.44011	8.0791	8.25508	7.5668	7.73937
UGDH	9.52274	10.1274	9.87619	10.3892	7.07042	9.14457	10.6353	9.67426	10.3503
LOC344967	5.77839	5.79847	5.46719	6.48259	5.74064	6.98475	6.44311	6.83442	6.6982
RBM47	6.77643	6.77078	6.70584	6.98889	6.39805	7.44479	7.01465	6.85964	7.21868
MIR4802	4.78189	4.21416	3.72	3.41401	2.5723	3.70599	2.72907	4.09426	5.48623
PHOX2B	5.91193	5.72665	5.74821	6.33038	6.91091	6.29807	6.37735	6.23902	6.30233
BEND4	4.70438	4.81828	5.0954	5.62178	6.03951	6.21902	5.51395	5.67649	5.83421
KCTD8	4.83381	4.86235	4.4201	5.08672	4.99001	5.41539	4.76829	4.75737	4.89053
GNPDA2	8.31197	8.50597	8.69633	7.21123	4.34752	5.89274	8.03106	6.07275	7.07412
Cox7b2	3.37291	3.74453	3.46688	3.49876	4.39969	3.4182	3.79895	3.48378	3.24103
COMMD8	7.54236	7.51948	7.27473	8.18571	5.79204	7.8471	8.37795	7.31615	7.87604
CNGA1	5.18751	5.26438	4.98442	4.54137	4.6358	5.10146	5.14648	5.25422	4.75877
TXK	6.32484	6.20227	5.75514	5.21474	5.88312	5.00302	4.9485	4.92051	5.57322
TEC	8.08912	8.33539	7.87844	7.04197	6.34369	7.74111	7.52309	9.2212	7.65231
FRYL	9.43361	9.40715	9.17861	8.35019	6.11289	8.08435	8.27175	9.2376	8.96671
OCIAD2	6.73679	6.74715	6.65561	7.84133	6.49484	7.32917	8.08546	7.76026	7.34846
LRRC66	4.58866	4.74788	4.51189	4.59244	4.76418	4.84886	4.4764	4.68984	4.76415
USP46	7.56347	7.8589	7.49872	7.23504	5.93423	6.59893	7.05397	7.78248	7.01761
SCFD2	9.44796	9.2722	9.60451	8.9556	6.66829	7.69575	8.84819	7.30571	8.34383
RPL21P44	6.06165	6.25126	6.44855	4.69891	4.54623	4.41082	4.4689	6.85346	6.45004
CHIC2	10.788	11.1858	11.0571	10.2998	9.47337	10.5972	10.118	10.9078	10.7057
KDR	8.56602	7.97612	8.60254	7.93758	6.84617	6.76374	7.23243	8.53979	8.71055

SRD5A3-AS1	5.13991	4.93777	5.29628	5.47093	5.71793	5.64986	5.44018	5.34029	5.20933
CLOCK	9.77781	9.60399	9.78474	8.69563	7.09658	8.39396	9.29522	8.8783	9.58932
PDCL2	5.27862	5.63299	4.8302	3.9186	4.3708	3.75148	4.51043	4.3958	4.19418
NMU	8.57772	8.8386	8.67793	9.15433	7.67325	8.35438	8.46001	7.0783	7.55273
AASDH	7.77485	7.93718	7.80166	7.00567	6.3201	6.37436	7.19203	7.24213	7.29768
PPAT	6.92142	6.92569	6.71148	6.97575	5.80611	6.48607	6.866	5.99188	6.309
HOPX	9.03647	8.77264	8.44361	8.06803	8.53617	8.44776	8.33145	9.84584	8.86098
NOA1	9.44629	9.36657	9.69398	8.61641	7.6702	8.48161	9.39307	8.79668	8.51837
IGFBP7	10.616	8.83689	10.4752	9.01814	6.80787	7.20393	8.83014	8.93323	9.36053
LOC401134	5.80821	5.78722	5.60011	5.57	5.68726	5.66685	5.75291	5.83102	5.53403
EPHA5	5.33955	5.2029	5.47544	5.27836	6.20355	5.46881	5.42789	5.41543	5.76326
CENPC	8.10777	8.64387	8.38606	6.22515	5.59402	5.71977	7.0546	7.00782	6.27082
UBA6	8.91594	8.45852	8.48567	8.72209	5.94771	9.29352	8.78441	9.08737	8.63925
GNRHR	4.66347	4.03215	4.07918	6.11857	5.77541	5.07114	6.80571	5.0383	6.21752
SYT14P1	4.75166	4.77084	3.93611	3.46734	5.17866	3.80683	3.55818	3.49134	3.4775
TMPRSS11BNL	3.06909	3.08317	3.04408	3.44749	4.66204	3.42495	3.69014	3.36619	3.399
CSN2	2.8644	3.13568	2.86805	3.02583	4.34891	3.53246	3.40621	3.1264	3.27678
GRSF1	8.74311	8.78399	8.93314	8.58386	6.37714	8.67393	9.04255	8.31902	8.43023
GC	4.77276	4.95279	4.8098	4.73648	5.26196	4.87441	4.75704	5.06651	4.64005
cox18	7.71309	7.82635	8.10575	7.41501	6.21753	6.20024	7.81361	6.79911	6.68232
ANKRD17	9.97788	10.0142	9.87697	9.266	7.06862	8.60625	9.10339	9.13499	9.3494
RASSF6	5.47966	5.69441	4.99096	4.67092	2.68506	4.28073	4.59599	4.27687	4.36693
PF4	6.32439	6.39479	6.31532	6.48524	7.83235	6.63284	6.65419	6.28353	6.55159
PPBP	3.50774	3.50659	4.33378	4.58561	5.27599	6.1335	4.71414	6.41695	5.95277
CXCL5	5.61818	5.57708	5.81061	5.8725	6.73991	8.93169	6.47039	7.75699	7.27774
CXCL3	4.43076	4.48081	4.54213	5.4238	5.28879	5.45096	4.83996	5.26726	5.57902

PPBPP2	4.55983	4.30818	4.41692	4.67165	5.09132	4.6044	4.07709	4.3375	4.40425
CXCL2	6.45925	6.18341	6.17521	6.78153	7.29786	7.88258	6.89669	7.10141	6.92853
BTC	5.86139	7.84578	7.38404	4.97687	5.96425	4.94114	5.09737	5.27353	5.19666
CDKL2	4.91286	4.63901	4.2595	4.09319	5.18015	4.60275	4.9021	4.46189	4.69327
G3BP2	7.4193	7.33048	7.16619	6.796	5.8955	6.35316	6.96637	6.23151	6.21984
NAAA	8.48552	8.7011	8.21553	8.04591	7.09824	6.90042	7.89224	7.18522	7.12705
SDAD1	8.44531	8.59855	8.47834	8.11988	5.2959	7.30638	8.7317	6.887	7.63445
CXCL9	8.28064	5.42143	6.36751	3.9525	5.09637	5.05541	4.73628	4.24075	5.42705
CXCL10	8.54332	5.50089	5.7777	5.62793	6.66725	4.49168	5.89175	4.48731	6.21326
CXCL11	6.46275	4.81988	5.15788	5.00679	5.64761	5.24914	4.56713	4.56795	4.77696
NUP54	6.57373	6.02079	6.57826	5.6901	4.61701	4.93915	5.93249	5.44832	5.64811
CCDC158	4.30753	4.95231	4.40705	4.63535	5.12544	4.17667	4.35732	4.38222	4.36352
SOWAHB	5.4958	5.27862	5.72504	6.20687	6.17504	7.02816	6.65517	6.80414	6.80407
CCNI	11.3001	11.212	11.4378	10.8189	10.67	11.6478	10.937	11.7711	11.4607
PAQR3	7.3948	7.84737	7.41044	7.06884	6.21643	5.94401	6.97235	8.17391	6.73982
GK2	3.73494	3.30488	3.80093	4.32524	5.28191	3.73266	3.93171	3.57705	3.74021
ANTXR2	8.73638	8.79458	9.23675	7.14376	6.39105	6.93447	6.96023	8.64573	7.98504
HNRNPDL	9.96717	10.434	10.6566	9.58384	7.6175	9.43861	9.72854	9.80453	9.48722
tmem150c	7.3143	6.89894	8.24065	5.86782	6.14036	4.61222	6.6144	6.12006	5.80564
LINC00575	4.24471	4.28496	4.62377	4.55494	5.65684	4.41693	4.58714	4.68168	5.00685
SCD5	7.27968	7.21926	7.2067	7.29238	6.86689	6.89369	6.79514	7.35259	7.04499
MIR575	5.91414	5.86299	5.94278	6.03518	6.16865	6.53092	5.77389	6.3838	6.23232
SEC31A	10.6235	10.4771	10.6644	10.0702	8.86136	9.84108	9.81359	10.4507	10.7276
THAP9-AS1	7.73317	7.545	8.1133	6.34612	5.6073	5.52135	6.24481	7.35723	6.36575
LIN54	7.88481	7.71324	7.87321	7.84322	6.83585	7.94261	7.724	8.39633	7.94871
PLAC8	5.70214	5.87759	5.8943	6.0884	6.58596	5.97869	6.08694	5.65068	6.05703

HPSE	7.95859	7.73601	7.58659	8.58652	7.01687	8.83316	8.88025	9.25563	8.54485
NKX6-1	5.3316	5.63786	5.33683	5.8379	5.19982	6.63178	5.93113	5.90527	5.76297
WDFY3	10.0161	9.95583	9.63324	8.9598	7.23735	8.86863	8.99824	9.20521	9.44902
MAPK10	5.37883	5.34312	4.87546	5.26523	5.53848	5.25055	5.03149	5.55432	5.16526
MIR4452	4.06345	3.93061	4.21548	3.07312	3.91374	4.61018	4.0933	3.94586	4.04219
C4orf36	7.15213	6.63875	6.65319	7.19516	5.8417	6.77536	6.94041	6.29252	6.7368
LOC100506746	7.00752	7.27141	7.25149	6.15658	6.10435	5.76021	6.09921	6.78047	6.69239
KLHL8	6.66721	6.6783	6.84076	6.1938	6.38173	6.07839	6.16834	6.41578	5.65751
HSD17B13	3.96264	3.81632	4.18546	4.12589	4.15964	4.45747	4.14457	3.90468	4.14546
HSD17B11	7.50749	7.27771	8.34388	6.77021	5.84374	6.28902	7.31137	6.4537	6.77047
SPARCL1	9.02357	9.0789	10.316	7.65119	5.62294	6.09264	7.39764	7.15325	8.19335
NAP1L5	6.70653	6.63754	6.86672	6.75271	6.40441	6.16024	7.31264	6.49634	7.1294
GPRIN3	6.21801	6.05247	6.43565	5.78237	5.96633	5.28259	6.11119	5.34933	5.63396
HPGDS	6.95198	6.08055	7.1477	4.84929	5.48087	5.71267	6.18961	5.0787	5.63899
UNC5C	5.41058	5.64773	5.33829	5.25573	5.89222	5.93627	5.06741	5.40987	5.36617
STPG2	5.11838	4.7482	4.60296	4.47243	4.49296	4.25874	4.39533	4.27957	4.60144
TSPAN5	7.83878	7.11453	7.22178	6.90224	5.66868	6.54984	6.48318	6.4526	5.92135
EIF4E	7.17336	6.95592	7.01062	7.27112	6.90098	7.32509	7.35773	7.50678	7.33898
PCNAP1	2.44648	2.34294	2.17517	2.65199	3.38542	3.02805	2.70706	2.75427	2.35482
ADH6	4.19019	4.81929	4.40513	4.7494	4.69376	4.47316	4.24841	4.43137	4.25313
TRMT10A	5.13553	5.32746	5.11129	5.42852	4.4992	5.64986	5.55224	5.06022	4.89131
DDIT4L	5.68828	5.53635	5.58861	5.85853	5.91389	6.35785	5.77267	5.90847	6.16268
EMCN	7.91468	7.13793	7.74471	6.61762	5.57912	5.00317	5.94566	6.15485	6.55364
LINC01216	2.9995	3.2049	2.95651	3.12598	4.41983	3.40969	3.25474	3.00472	3.39728
MIR1255A	5.18518	5.221	5.2621	3.89395	5.48271	3.51904	4.00842	4.39745	4.33319
UBE2D3	9.64616	9.53125	9.45148	9.26648	8.64061	9.68233	9.52074	10.247	10.0348

TACR3	4.92633	6.39122	5.23549	4.81601	5.71164	5.45233	5.22187	4.87524	5.12379
cxxc4	4.53269	4.70639	4.37343	4.72835	5.28321	5.61449	4.90487	4.96911	4.79274
PPA2	7.58543	7.42504	7.7414	6.8974	4.53464	6.11574	7.28719	5.61848	6.06555
INTS12	7.39032	7.19207	7.356	6.37606	5.52591	5.93871	6.78557	6.59044	6.70219
TBCK	8.9434	8.55355	8.16275	7.27133	5.35643	6.49443	7.74894	6.38139	6.71793
GIMD1	4.41615	4.68655	4.91107	5.00011	4.83617	5.49831	4.90194	4.83876	5.23748
DKK2	6.68564	5.01193	5.24677	4.90955	5.97049	5.32683	5.15907	4.98316	5.1543
PAPSS1	8.65681	8.66795	8.47353	8.09594	6.85017	7.49677	8.57853	8.28262	7.94867
LEF1	7.53703	7.25223	6.46598	6.00069	5.54162	4.94579	5.80805	5.81273	6.03348
RPL34-AS1	5.85923	5.71173	6.18717	5.44694	6.27139	5.75756	5.47835	5.98658	5.72367
ETNPPL	4.73765	4.84767	4.82744	5.11641	5.71272	5.18995	5.17405	4.97803	5.11946
SEC24B-AS1	6.38537	6.12278	6.17882	5.17078	6.05563	5.38735	5.60362	5.18464	5.31659
CFI	6.36353	5.73681	6.51606	5.50269	5.77904	5.44686	6.07192	5.61599	5.66291
ELOVL6	8.39106	8.53527	8.2827	7.67327	7.02529	6.60005	7.75985	7.43311	7.86977
PITX2	4.99675	5.12933	5.02711	5.84963	6.05445	6.12058	5.83522	6.0804	5.89691
TIFA	7.97872	7.51053	7.29903	7.36703	7.2177	7.06555	7.22549	7.59049	7.02975
NEUROG2	4.78369	5.00256	4.77298	5.7328	5.98467	5.5825	5.44808	5.03372	5.10479
ZGRF1	6.50108	6.63647	6.50079	6.13036	5.72283	5.64853	5.6136	5.8915	5.8848
MIR302B	4.31804	4.48254	4.38388	4.745	5.00945	4.85932	4.77447	4.61261	4.39296
MIR367	2.14172	2.24522	1.77513	2.00009	2.85168	2.5811	2.11395	1.84361	1.89233
MIR302D	4.13964	4.54448	5.03071	4.0377	4.66713	3.88535	3.25342	3.92037	3.87152
MIR302A	2.15171	2.79568	2.28606	2.58948	2.22765	2.75521	2.90976	2.75759	2.45459
MIR302C	2.66982	3.11885	2.5022	3.26372	3.52909	3.00884	4.00123	2.78784	3.05996
CAMK2D	8.09341	7.72425	7.75336	8.12816	6.35354	8.77469	8.4254	8.71678	8.79948
NDST4	3.7323	4.02035	3.66534	3.99136	4.70736	4.22056	3.88911	3.86226	3.98402
TRAM1L1	5.38283	5.61541	5.38165	4.9917	5.04246	5.29205	5.18031	4.82789	5.2156

C4orf3	6.06245	6.30698	6.13914	7.33986	6.96246	7.80712	7.15741	7.09984	7.14845
MAD2L1	6.30213	5.85167	6.35693	6.8666	5.4295	5.42033	6.6523	6.27175	6.02768
PRDM5	6.11413	6.63255	6.4728	6.25936	5.96039	5.23103	6.06908	5.5167	5.84359
NDNF	5.80624	6.96808	6.27517	6.01367	6.11994	5.51037	5.35191	5.69073	5.9352
TNIP3	4.01135	3.92794	4.08264	4.51702	4.71132	5.03063	4.66678	4.48439	4.86164
QRFPR	4.85362	4.8882	4.75604	5.76127	5.55158	5.48675	5.63626	5.57518	5.37501
ANXA5	9.91321	9.4522	10.1383	10.0143	7.11857	9.66537	9.7433	9.9897	9.8432
TMEM155	4.57179	4.62833	4.84765	4.97539	5.66054	5.07162	5.07072	4.86414	4.99884
CCNA2	8.22327	7.65635	7.5296	8.55074	5.97366	7.39572	8.35304	7.70542	7.04903
BBS7	8.72713	8.76012	8.57527	8.15045	6.32119	7.75659	8.53701	7.65663	8.43869
IL2	2.65076	2.57967	2.61649	2.7141	2.57791	2.77012	2.8102	2.77584	2.59988
IL21	2.56024	2.6476	2.73491	2.77139	2.6783	3.32712	2.66441	2.82934	2.81997
NUDT6	5.10814	5.58808	5.04114	5.14815	4.83689	4.60374	5.451	4.89915	4.75175
ANKRD50	8.86816	8.92313	8.77978	8.4403	6.19588	9.06939	8.95969	9.11167	8.72534
MFSD8	8.75187	9.04114	9.03451	7.982	6.8359	6.88796	7.82784	7.65391	7.71423
PGRMC2	7.5811	7.75699	7.50455	7.03971	6.39122	7.02886	7.20834	7.04991	6.70322
SCLT1	7.25075	7.25428	7.11727	6.06203	4.98019	6.30043	6.74507	6.0671	6.37645
PCDH18	8.62625	7.89265	8.53779	8.16222	6.38421	5.78316	6.15621	6.36043	6.73835
LINC00616	4.24765	3.76338	3.38879	4.10233	4.77948	4.61035	4.31772	3.903	3.93158
ELF2	8.15973	8.47902	8.37851	6.87997	5.95118	7.23185	7.09988	7.22568	7.4863
SETD7	8.19694	8.33116	8.37604	7.63956	6.2832	6.98824	7.91144	7.16599	7.38304
MAML3	8.77037	8.51003	8.74568	7.74045	7.3609	7.93886	8.42545	8.00049	8.24355
SCOC-AS1	4.75341	4.89108	5.46801	4.30026	4.42293	4.55324	4.27618	4.79838	4.53314
CLGN	3.38899	3.38453	3.85631	4.00059	4.11581	4.28275	3.68408	3.77387	3.57609
RNF150	5.9176	5.66744	6.20044	5.41745	6.20321	5.30976	5.33997	4.94238	5.46196
FREM3	4.73267	4.75322	4.53712	4.97262	5.71285	5.30231	5.04397	5.10701	5.01291

GYPE	5.92026	5.30768	5.76556	5.84122	7.46158	5.88632	5.90637	5.85104	5.57805
GYPB	3.64575	3.84325	3.8761	3.9354	5.25017	3.73138	4.06123	3.77096	3.53475
GYPA	3.74021	3.80648	3.65027	3.89935	4.32311	3.64596	3.90106	4.14016	3.73682
HHIP-AS1	4.92631	4.91381	4.70621	5.67299	5.30672	5.61473	5.18457	5.47667	5.31106
ANAPC10	6.60031	6.45342	6.72615	5.94378	5.22368	5.43518	6.28997	5.40115	5.28906
OTUD4	8.23498	8.03701	8.15912	7.61442	6.19103	6.71705	7.78991	7.20966	7.65767
ZNF827	8.16298	8.00898	7.66969	7.18178	6.59876	6.31653	6.94156	6.56543	6.52148
LINC01095	4.52556	4.52165	4.7071	5.01021	5.56271	4.98824	4.42627	4.82626	4.63938
TTC29	3.42326	3.59265	3.2686	3.46374	3.83768	3.73701	3.86635	3.44186	3.4099
MIR548G	2.63069	2.76017	1.94372	3.03259	2.66383	2.55963	2.26986	2.00932	2.08989
PRMT9	7.6443	7.94102	7.53185	6.92082	5.60625	6.69567	7.07157	6.52504	6.4741
SH3D19	9.46406	9.12954	9.3173	8.38979	7.09149	8.35966	8.78332	8.46979	8.84644
GATB	6.55465	6.59148	6.48238	6.59162	6.78819	6.42322	6.89168	6.1752	6.90789
MIR3140	5.18431	5.41049	4.27034	3.58433	2.35159	1.7134	2.93099	5.08728	4.34344
TMEM154	10.5797	9.93129	10.325	9.89037	8.79638	9.86783	10.0432	10.3505	10.7027
TIGD4	4.54832	4.26689	4.55166	5.06126	4.72264	4.92177	4.51148	4.49163	4.71984
ANXA2P1	6.31472	6.21785	7.03313	7.26889	5.55454	7.70242	7.3709	7.69709	7.38645
RNF175	4.72274	4.32688	4.96806	4.41154	5.67494	4.94632	4.56132	4.9834	4.73655
SFRP2	11.0881	9.45189	9.862	8.20991	5.99116	7.16938	8.58806	7.20489	7.69075
dchs2	4.57154	4.70147	4.59734	4.94055	5.19726	5.3091	4.74917	4.95508	4.98643
plrg1	8.56492	8.11839	8.52072	8.2727	6.2544	7.38246	8.16374	7.59559	7.7941
FGA	4.25589	4.33909	4.1791	4.50194	5.2919	4.86333	4.5061	4.61355	4.63312
FGG	3.17363	3.24856	3.16895	3.4277	4.05108	3.29603	3.4095	3.40523	3.20617
MAP9	6.06474	6.24797	5.73201	5.66662	5.2107	5.15775	5.45439	5.01874	5.40109
ASIC5	3.25789	3.27459	3.31782	3.72717	4.3183	3.51488	3.5377	3.43924	3.58882
CTSO	8.38509	7.59456	8.75985	6.42935	5.03861	5.379	7.0429	5.03584	6.32139

PDGFC	7.1403	6.51438	6.66844	6.99291	6.49349	6.31089	6.42443	6.51938	6.43896
c4orf46	7.2908	7.3119	7.29523	7.72706	7.38318	7.22377	7.33577	7.14725	6.77625
PPID	7.55551	7.41589	6.8841	7.17607	4.52523	6.92682	7.24723	6.59393	6.96296
c4orf45	3.35373	3.2407	3.11837	3.29871	3.66309	3.43384	3.38922	3.42316	3.49
FSTL5	3.55508	3.23745	3.59249	3.75412	4.42457	4.02957	3.43827	3.7211	3.397
MIR4454	7.76593	8.08934	7.40123	7.3543	10.2714	7.46964	7.43862	7.66852	7.77723
NAF1	8.08548	7.83167	8.2476	6.08198	5.52027	5.72855	6.76931	6.40863	6.22274
NPY1R	7.23156	6.46083	6.37158	4.79438	6.24018	5.00058	5.27845	5.17299	4.72485
TKTL2	4.48978	4.48087	4.07021	4.85567	4.53857	5.11755	4.44039	4.71326	4.53972
TRIM61	6.92468	6.2444	6.6342	6.2827	6.10987	5.7263	5.50067	6.17821	6.22056
TMEM192	6.93108	6.88585	6.89158	6.76649	5.41236	6.10555	7.38277	6.86522	6.49081
GK3P	4.97089	4.84907	5.0042	5.86936	5.05077	5.43191	5.90962	5.22512	5.74619
DDX60	7.71417	7.25979	7.09829	6.35229	5.97204	5.88508	6.56012	5.58734	5.78461
DDX60L	7.43852	6.60886	7.03707	6.40412	4.62277	6.39592	6.75053	6.23606	6.67218
CBR4	8.16065	7.9804	8.14608	7.27444	7.08118	5.86551	7.23234	6.93412	6.66601
SH3RF1	7.30413	6.6294	6.9642	7.64533	5.69895	6.11771	7.28606	7.24978	7.13023
NEK1	7.85768	7.7032	7.59177	7.29305	5.78595	6.33727	7.30434	6.77515	7.09807
Hpf1	5.82375	6.36926	5.83514	5.85565	5.59862	4.96717	5.66478	5.85559	4.4923
LOC100506085	4.40474	4.16149	4.35831	4.83991	5.05452	4.47021	4.29417	4.40617	4.26545
MFAP3L	7.83695	7.58042	7.52716	7.75817	6.02264	6.29702	6.58706	5.34987	4.92131
AADAT	6.91409	6.66429	6.81413	6.31534	5.74268	5.61998	5.59237	5.51485	5.85838
HMGB2	6.74806	6.956	7.00686	6.44357	5.38931	5.99882	6.75754	6.67152	6.17412
SCRG1	4.37357	4.61546	4.36334	4.58996	5.44782	4.89215	4.63084	4.29387	4.32229
HAND2	6.10461	6.35545	6.19695	6.97949	6.66154	7.14062	6.53073	6.97495	6.32457
FBXO8	8.18546	8.07495	8.1376	7.79867	6.1523	8.00553	8.15599	7.32961	7.87737
HPGD	9.34864	9.078	8.74267	8.55785	5.48127	6.43327	6.04861	5.98789	5.69931

GPM6A	4.87116	4.87622	5.35221	5.09128	6.19015	5.11031	4.54942	4.87172	5.10243
SPATA4	4.32544	4.48498	4.31333	5.24135	4.78129	4.67863	4.91992	4.64749	4.76853
ASB5	3.94849	4.57949	4.128	4.72096	5.40936	4.38191	4.91439	4.50193	4.13277
VEGFC	6.45533	6.23732	6.23221	7.20028	6.59123	6.13341	6.88411	7.19745	7.04413
AGA	8.53131	8.30715	8.59905	8.5977	7.31369	8.57684	9.11448	7.29871	8.96966
LINC00290	2.7461	2.80065	2.62439	2.58836	2.88577	3.24562	2.66007	2.76691	2.73771
LOC90768	5.0338	5.17144	5.20933	6.31091	6.38695	6.17956	6.14764	6.00995	5.92441
DCTD	8.56287	8.08183	8.70467	8.5221	7.01142	8.50104	8.69365	7.95732	8.67105
WWC2-AS2	5.0782	4.79761	5.07243	5.55207	5.18422	5.91261	5.4822	5.44144	5.42392
CLDN22	4.8388	4.92749	4.89992	4.96994	5.41768	5.0879	5.64114	5.59899	5.06114
Cldn24	4.05144	4.03331	4.03541	4.3413	4.83661	4.69662	4.7338	3.57135	4.49478
LOC389247	4.5596	4.97445	4.93581	5.09398	4.94309	5.51273	4.97316	5.04921	5.2997
RWDD4	7.38488	7.44765	7.42373	7.60326	6.19197	7.47879	7.84185	7.58322	7.713
ENPP6	4.54201	4.8839	4.75621	5.39531	5.33918	5.52712	4.70715	5.20113	5.34986
LOC728175	6.48383	6.19981	6.61152	7.04288	7.81156	7.17443	6.73903	6.64809	7.05195
IRF2	8.6571	8.62697	8.61714	7.95342	7.39535	7.72304	8.02078	7.40501	7.83657
CENPU	7.70973	8.30473	8.45797	6.91187	6.16914	6.68471	7.58179	6.77864	6.99695
ACSL1	10.5554	10.7076	10.311	9.2515	6.5537	8.37201	9.62877	8.30289	9.04705
SLED1	6.65755	6.10302	5.75158	4.65765	5.38097	5.73132	5.37566	5.35665	4.90464
MIR3945	3.71186	4.0839	3.59377	3.76368	4.52997	3.95773	4.72351	3.65406	4.27507
CFAP97	9.05061	9.42496	9.40501	8.35946	7.20827	7.69361	9.0155	7.68494	8.29169
LRP2BP	5.60451	5.6179	5.43961	5.48959	5.40682	5.28828	5.05208	5.56007	5.46591
UFSP2	8.15749	8.02886	8.57724	7.62834	6.29684	8.26556	8.6119	7.91433	8.05107
CCDC110	5.53607	5.62055	5.4987	5.26741	5.58256	5.44288	5.33496	5.42325	5.25459
PDLIM3	6.92756	6.41206	6.93273	5.77383	6.33018	5.65225	6.14571	5.75263	6.45946
SORBS2	6.578	6.91614	7.32296	5.63691	6.27153	5.59044	5.60138	5.89115	5.77535

F11-AS1	4.29377	4.49786	4.25043	4.30073	5.47768	4.85234	4.62054	4.94135	4.77431
MTNR1A	5.73852	5.67945	5.561	6.27695	6.66165	6.35537	5.7356	6.42914	6.35067
FAT1	9.81647	9.2833	9.30755	9.84845	7.50422	9.19481	9.85756	9.95152	10.9389
LOC339975	4.03518	4.54569	4.42874	5.43656	5.6385	4.63864	4.50989	4.47773	4.44433
TRIML2	4.28704	4.32339	4.22806	4.84188	5.90392	5.54938	4.79846	5.33647	5.47525
YTHDC1	9.4308	9.74085	9.51404	8.89375	7.93684	9.17418	9.42879	10.2896	9.31682
MAFIP	6.12148	6.98157	6.43157	6.38113	6.61291	7.15869	6.70028	6.57133	6.64563
LRRC14B	6.17355	6.4918	6.38258	6.52972	7.46956	7.12748	6.99143	6.9243	6.93595
AHRR	6.80725	7.19813	6.92593	7.49025	6.91674	7.93249	7.66896	7.49241	7.39688
EXOC3	7.82574	7.92763	7.51626	7.22902	6.07035	7.72065	7.65221	7.55272	7.27174
CEP72	6.78767	7.0789	6.82956	6.85517	7.1303	7.51047	7.14298	7.46432	7.02609
TRIP13	5.88467	5.68752	5.92272	7.04806	5.99	6.5233	6.55525	6.31881	6.24472
NKD2	6.57765	6.80509	6.4936	6.84334	6.68303	6.80159	6.8948	6.58466	6.68266
C5orf38	6.64231	6.50247	6.66084	7.31911	7.29805	7.65036	7.24534	7.05164	7.1104
LINC01019	5.89619	5.84875	5.74843	6.06177	7.05158	6.66016	6.0943	6.11222	6.20882
IRX1	6.32034	5.83888	6.47372	7.32902	6.58553	7.36868	6.84157	6.95399	6.86447
LINC01020	4.08032	4.35036	4.14932	4.64955	5.78167	4.76115	4.62864	4.40037	4.40918
ICE1	7.58475	7.66851	7.67165	6.69886	4.74534	5.62784	7.26062	6.757	6.71001
UBE2QL1	6.55366	6.03814	6.21975	6.59318	6.91431	6.93036	6.51569	6.45034	6.43423
LINC01018	5.36372	5.27614	5.47944	5.88248	6.16037	6.3377	5.94887	5.87201	6.33653
PAPD7	8.72456	9.0992	8.85727	8.15203	6.58578	6.99062	7.88652	7.91228	8.10172
ADCY2	5.61923	5.75495	5.68104	4.80326	5.14657	5.32734	4.81271	4.99239	4.90033
MTRR	6.28931	6.53925	6.42127	6.00435	5.79563	5.843	5.99156	5.63492	5.94616
MIR4458	6.39079	6.53502	6.13503	6.71445	6.1178	6.73384	7.12945	6.32801	6.74686
SNHG18	6.59411	6.75365	6.16478	6.42365	6.94029	6.60289	6.15	5.93083	5.9273
ROPN1L	5.52151	5.69154	5.64135	6.18774	6.34359	6.09375	5.72673	5.84062	5.69823

ANKRD33B	6.68875	6.73279	6.55055	7.0246	6.99969	6.88837	6.78289	6.62078	6.87959
TRIO	8.00805	7.81064	7.91807	7.45981	6.04648	7.39802	7.51329	7.80679	8.25368
FBXL7	7.7804	7.40188	7.73421	7.2245	6.75292	6.37632	6.75258	7.09427	7.15619
MIR887	5.50369	5.02039	5.20123	6.04449	6.10996	6.25939	5.6821	5.76628	5.32355
prdm9	4.7607	5.18133	4.71538	5.13533	5.96547	5.09129	4.66734	5.57007	5.4628
LINC01021	4.05791	4.10737	3.89168	4.08579	4.74744	4.29043	3.79665	3.96629	4.13933
LSP1P3	4.67547	4.70008	4.03008	5.13423	4.44436	5.29781	5.28185	4.84176	5.15013
C5ORF22	8.67387	8.59597	8.98936	7.7502	6.68018	6.86109	8.21957	7.39522	7.67515
PDZD2	8.47329	8.90349	8.14583	7.18844	6.25163	6.54119	6.72281	6.54841	6.00387
SUB1	7.40722	6.97053	7.16696	7.00321	7.08024	6.80343	7.30916	7.53159	7.44558
NPR3	7.40399	8.95925	8.38606	6.60668	6.96822	6.88236	7.73799	6.52048	6.71742
TARS	8.02128	7.89915	7.69844	9.13921	5.83064	9.43563	9.26766	8.91338	9.43499
RXFP3	5.49331	5.6562	5.47837	5.71031	6.16257	5.83	5.92738	5.6328	5.52807
RAI14	7.5919	7.19193	6.92596	6.20349	6.25492	5.39396	6.1142	6.79964	6.80925
TTC23L	5.20489	5.33753	5.18106	5.35788	5.71652	5.65219	5.01951	5.34478	5.22745
SPEF2	5.33389	5.54922	5.53453	4.89255	5.49882	5.09987	5.17295	4.94267	4.86851
IL7R	5.60205	6.06764	7.0955	6.39088	6.03096	7.02808	6.69949	6.51071	7.18324
NIPBL	9.74389	9.77507	9.5521	8.71047	6.23146	9.04591	8.82691	8.97483	9.21425
WDR70	7.76208	7.84338	8.07898	7.13332	6.59379	6.91683	7.57038	6.33321	6.78748
OSMR	9.89041	9.43589	9.73442	9.77376	8.32899	10.6831	9.56095	10.7378	10.8494
PTGER4	6.79576	6.66159	6.49867	6.07224	5.94205	6.02979	6.34615	7.37245	6.3017
C7	6.20078	6.96015	8.76197	4.91006	6.17062	4.87037	5.03994	5.44941	4.88326
OXCT1	6.10235	6.30104	6.47491	6.91822	6.76655	6.90537	6.52739	6.81564	6.61646
C5orf51	8.37704	8.31175	8.57468	7.60236	6.15747	7.36632	7.72764	7.55423	7.97355
FBXO4	7.50177	7.66792	7.99028	7.46369	5.30286	6.04623	7.36859	5.6837	6.40821
GHR	6.89272	6.67906	6.57527	5.79	6.00155	5.05596	5.51171	4.8996	5.27679

Ccdc152	2.69012	2.91914	3.16508	3.0031	2.47822	2.90888	3.24399	2.6466	2.70642
ZNF131	7.24724	7.33559	7.37997	6.26944	6.00948	6.24233	6.45238	6.44669	6.55722
NIM1K	5.10448	5.03923	4.80733	5.08355	5.92173	5.63035	5.17191	5.33079	5.16859
NNT	9.01707	8.46863	8.67925	8.26607	6.75206	7.34654	8.54636	7.29543	7.46973
MRPS30	7.83496	8.12911	7.96874	7.52034	6.68611	6.82383	7.69654	6.7171	7.17088
ISL1	4.76161	4.84899	5.16426	5.63228	5.78284	5.85439	5.1928	5.33071	5.1948
FST	6.93467	7.41425	7.2563	9.35551	7.05289	7.16879	7.1322	8.6245	8.24521
HSPB3	4.59883	4.49814	4.70257	4.84563	4.97119	5.23946	5.38402	4.56462	4.65267
SNX18	7.54987	7.16753	7.33533	7.50974	7.53936	7.43901	7.31759	6.95987	7.26333
GZMK	4.8541	4.23547	5.32914	4.6828	5.15512	5.16527	5.21228	4.6895	4.84133
GPX8	7.30227	6.11627	6.61298	6.19617	4.70557	5.81138	6.15421	5.53904	5.88993
SKIV2L2	9.42281	9.71014	9.42329	8.78078	6.51795	8.19622	9.25008	8.22944	8.756
DDX4	3.32259	3.56025	3.3615	3.79226	4.0073	3.75872	3.60777	3.73426	3.65565
IL31RA	5.33715	5.20017	5.07649	5.6846	5.95245	5.82102	6.024	6.50815	5.84639
SETD9	5.62161	5.57859	5.49533	5.73851	5.17647	5.6282	6.22056	4.97818	4.95274
GPBP1	8.6849	8.98189	8.86069	8.00946	6.08406	8.24001	8.30819	8.58545	8.30823
PART1	6.02652	6.64871	5.6423	6.22377	6.79114	6.24786	6.60757	6.32526	6.40222
C5orf64	4.76171	4.54057	4.79138	5.15266	6.03446	5.50761	4.6416	5.17331	5.50011
KIF2A	8.65819	8.79186	8.86628	8.95928	6.91503	8.72601	8.66393	9.92269	8.93984
IPO11	8.04446	7.98642	8.03287	7.3699	5.45979	6.41647	7.69826	6.58989	6.97119
LRRC70	6.24232	5.92897	6.39625	5.45021	5.22632	4.91318	5.40284	5.6401	5.28173
RNF180	7.83492	7.04497	7.79437	5.95785	6.37793	5.47771	5.52011	5.5327	5.35225
RGS7BP	5.62628	5.366	5.59698	5.78849	6.37612	6.06053	5.69821	5.58238	6.06917
CWC27	7.99703	7.7216	7.98484	6.99654	5.40509	6.7323	7.68632	7.82815	7.545
ppwd1	9.0647	9.02672	8.9123	7.87063	5.63368	7.00113	7.56529	7.66102	7.2391
TRAPPC13	7.16567	7.25794	7.25066	6.1058	4.81554	5.60527	6.71725	5.19021	5.80303

NLN	7.48775	7.40263	7.6525	7.39392	5.74002	6.75646	7.86508	6.11635	6.93457
ERBIN	10.4012	10.3238	10.4895	9.05769	7.8852	9.25146	9.22262	9.12472	9.30972
SREK1	7.96201	8.06599	7.66807	7.09856	6.04526	6.3819	6.57626	6.20311	6.72528
MAST4	8.96686	8.66432	8.90769	9.06626	8.21704	9.19585	9.14826	10.0349	10.5124
CCNB1	6.36612	5.96363	5.78446	7.30213	4.76418	6.62745	6.65719	6.62984	5.86097
CENPH	5.28974	5.73031	5.71021	5.56059	4.78757	4.58537	5.452	4.95989	4.3822
MRPS36	6.93258	7.0306	7.00029	7.51106	6.0801	7.137	7.86468	7.36137	7.33852
CDK7	7.77236	7.91982	7.81804	8.28703	6.90984	8.16015	8.02385	8.50509	8.26172
RAD17	7.59259	7.80762	7.52132	6.90116	4.52421	5.49671	7.11721	6.25435	6.28572
MARVELD2	7.81176	7.98204	7.56769	7.88515	6.60635	7.2404	8.01885	6.68569	7.75012
OCLN	8.91362	9.39215	8.94925	8.20337	7.50647	9.27563	8.48664	9.43659	9.28364
SERF1A	7.67996	7.95012	7.97589	7.70188	7.79219	7.43221	7.8557	6.80167	7.71391
MCCC2	8.15982	8.0073	8.07138	7.49644	5.47695	7.24597	7.63801	6.81365	7.09986
CARTPT	4.65234	4.6419	4.50652	5.40778	5.76804	5.36935	5.12973	5.20113	5.03648
MAP1B	8.59753	9.08649	9.32899	7.84061	6.03799	7.18122	7.01372	7.43626	7.71791
MIR4803	5.55284	6.36739	5.14009	4.88442	5.31449	5.24187	5.16361	5.27762	5.26859
PTCD2	7.13282	7.10623	6.90826	5.89344	5.72658	5.18528	6.66853	6.02371	5.39994
TNPO1	9.43369	9.4078	9.44481	9.04476	6.30996	7.98419	9.10098	9.21232	8.95343
MIR4804	5.59912	5.29748	4.24188	4.86246	4.74742	4.51126	4.56098	4.59333	5.49088
FCHO2	9.41925	9.36421	9.41995	8.72723	7.85003	9.71188	9.48183	9.88672	10.0718
TMEM171	6.34711	6.00508	5.8337	6.72415	5.82531	6.27086	6.65127	5.59161	6.01374
tmem174	4.6111	4.66247	4.25828	5.08867	4.86936	5.37186	4.99972	4.65674	4.72118
FOXD1	5.2771	5.39416	5.22089	5.32781	6.51016	5.92926	5.81385	5.24339	5.52087
BTF3	8.09016	8.24244	8.20926	8.08476	7.40656	8.02468	8.21429	7.62207	8.02506
ARHGEF28	8.27841	8.54232	8.06212	7.58025	6.29538	7.7965	7.19945	8.16223	7.60383
HEXB	9.22567	9.61177	9.34417	9.56829	7.02817	9.07783	9.31088	9.86239	9.26475

NSA2	10.2578	10.5952	10.2293	10.4113	9.12225	9.70001	10.5558	10.0147	10.002
HMGCR	10.5022	10.4593	10.3305	10.5438	8.52428	10.2776	10.3978	10.464	10.677
POLK	7.23645	7.37241	7.28203	5.92694	4.01537	5.1388	6.24364	5.84779	6.01557
SV2C	4.41338	4.36166	4.27374	4.72253	5.28711	4.58204	4.6738	4.62833	4.73248
IQGAP2	6.95775	6.70088	7.49462	5.12946	5.56906	5.88691	6.06939	5.23413	5.52103
F2R	8.9056	8.05033	8.47783	8.50586	6.77315	7.73825	8.42031	7.79885	8.29219
F2RL1	8.12346	7.77403	7.37952	8.88455	6.75972	8.20271	8.73332	8.9165	8.16588
S100Z	6.12187	5.94354	5.70343	5.72872	6.65319	5.95372	6.31395	6.52943	6.44992
CRHBP	4.87682	4.94395	5.21761	5.28316	5.43488	5.10502	5.25314	5.15692	4.85902
AGGF1	8.41151	8.68832	8.41822	7.78544	5.66056	7.38182	8.29549	7.06857	7.34189
ZBED3-AS1	5.36919	5.30213	5.62633	5.33255	6.14036	5.48774	4.92798	5.4663	5.58779
PDE8B	5.93556	5.54059	5.73382	5.54886	6.07052	5.80801	5.74516	5.87065	5.64833
SCAMP1	9.76661	9.5528	9.55202	9.53246	7.13355	9.64336	9.58245	9.2284	9.75422
BHMT2	5.57133	5.62312	6.02598	4.76838	5.81301	5.56731	5.09166	4.71217	5.05131
BHMT	4.60063	4.53682	4.90471	5.00025	5.43225	5.27097	4.95488	4.99055	4.99059
PAPD4	10.1322	10.0823	10.1488	8.99714	6.50355	8.43647	9.24546	8.95957	9.20433
CMYA5	6.76853	6.99572	5.78875	5.79979	6.02148	5.71638	5.80641	5.29211	5.86898
THBS4	5.79257	6.30141	6.50698	5.33863	6.14269	5.60166	5.3655	5.38958	5.14289
SPZ1	3.87405	4.18462	4.14996	4.33971	5.56879	4.47461	4.08845	4.90489	4.52969
MSH3	9.01779	8.95487	8.78048	8.25925	5.82888	7.87108	8.47262	7.1237	7.56966
RASGRF2	6.88007	6.14463	6.76697	6.02759	6.35482	5.75307	5.71957	6.38034	6.39278
ATG10	6.94033	6.30793	6.50467	5.96547	5.42417	6.22154	5.9418	5.09811	5.87377
XRCC4	7.33726	7.35448	7.25436	7.45567	5.2907	7.45281	8.00844	7.45946	7.09427
VCAN	9.73363	7.82562	9.29992	8.95528	5.98644	6.63851	7.61295	6.37622	7.20798
COX7C	6.08576	6.52254	6.28397	6.89819	6.3028	6.64281	6.97214	6.17407	6.14372
RASA1	9.1838	9.09171	9.06457	8.94328	6.28661	8.95716	8.92278	9.43782	9.26701

TMEM161B-AS1	5.72964	5.96848	5.61711	5.70696	5.70559	5.4364	5.27476	5.15952	5.31155
MEF2C	4.25638	4.33201	4.14908	5.04674	5.12249	5.14196	5.12394	5.09122	4.72437
polr3g	8.04145	7.96528	8.15555	8.98455	7.15621	8.82302	9.69274	7.78855	8.82446
ADGRV1	4.38095	4.55411	4.49467	4.93647	5.73229	5.24703	4.77752	5.59747	4.78632
ARRDC3-AS1	5.88306	5.91101	5.97169	5.15701	5.39705	5.17776	5.95366	4.98791	5.43569
SLF1	6.67494	6.58576	6.87952	5.74076	4.55466	4.66108	5.35086	4.76841	4.41736
GPR150	5.9232	5.749	5.87703	6.47317	6.36228	6.44017	5.86438	6.22419	6.10798
RFESD	5.68707	6.16429	6.27104	4.74924	5.95852	5.35983	5.24321	4.97188	4.36945
RHOBTB3	6.57242	6.72248	6.47455	6.18859	6.00965	5.49278	5.38578	5.32083	5.2409
LINC01554	8.37346	8.83276	8.35981	6.63828	6.28355	5.57405	6.32537	5.83223	6.46136
MIR583	3.96402	3.82939	3.67162	4.38239	4.12997	4.83292	4.22305	4.27012	4.39899
CAST	10.2743	10.1863	10.2931	9.6077	9.66891	10.2767	10.0281	10.7416	10.2904
ERAP2	6.89817	6.42554	6.9092	6.08636	6.13059	6.09827	5.25954	5.51236	5.11886
LNPEP	10.2165	10.0435	9.87569	9.26115	6.86982	8.50348	9.7187	9.66712	9.58594
LOC100289230	5.40888	5.48146	5.40699	5.9439	6.10322	5.60013	4.62238	5.58127	5.5686
PAM	8.88054	8.82774	9.31211	9.25243	7.54978	9.44265	9.21469	9.85781	9.53078
PIIP5K2	8.92399	8.85317	8.79982	8.13515	4.74244	5.96339	8.05092	6.56804	7.25534
c5orf30	7.35935	7.44396	7.53127	7.29167	6.95824	6.92283	7.68924	7.43173	7.06775
LINC01023	5.98661	6.13003	6.13915	6.71288	6.12827	6.98674	6.54214	6.37365	6.46443
FER	8.27645	7.74078	7.93565	7.63938	5.36185	7.77477	7.67385	8.28134	8.41743
LOC100289673	5.29239	5.60542	5.3605	5.62801	6.12081	5.80639	5.67107	5.56062	5.84113
TSLP	5.37603	5.46899	5.04668	5.97208	6.36061	6.03712	6.0199	5.91437	7.73134
WDR36	8.77709	8.50428	9.01192	8.45507	5.86659	7.47486	8.24161	7.21231	7.71262
CAMK4	4.74885	4.78538	4.86473	5.26894	5.1662	5.27263	5.24879	5.37183	5.00867
STARD4-AS1	5.9671	5.82745	5.92106	6.37134	6.0939	6.10415	6.16383	5.5137	5.89801
NREP-AS1	3.65063	3.66627	3.56327	4.2474	4.09497	4.31244	4.14576	3.75922	4.30504

EPB41L4A-AS1	6.45537	7.06341	6.91516	6.06816	5.34495	5.7064	6.59216	5.74342	5.83387
EPB41L4A-AS2	5.80053	5.5747	5.67495	6.24897	6.23275	6.41607	5.94308	6.26444	6.16009
APC	7.7271	7.34207	7.75211	6.83492	5.79262	6.51084	7.03125	6.78339	7.22284
SRP19	6.6957	6.72165	7.13974	6.54777	5.35005	6.52482	7.62124	6.69945	7.04496
DCP2	7.56385	7.53416	7.34909	7.07445	5.94054	6.80011	6.91157	7.31945	6.94297
YTHDC2	8.71668	8.92965	8.89896	8.20274	5.32605	7.4198	7.97755	7.56539	8.04927
LVRN	4.75468	5.04013	5.45175	5.00502	5.56782	5.53559	5.14552	5.21923	5.00666
ARL14EPL	3.75126	3.44064	3.47735	3.60911	3.92323	4.40217	3.98401	3.66165	3.79728
COMMD10	7.73142	7.65903	7.69718	7.11472	5.46176	6.82358	7.62163	6.65872	7.20308
LINC00992	5.26395	5.31929	5.38398	5.22707	5.90906	5.2899	5.6349	5.18549	5.35278
DMXL1	9.25662	9.52704	9.01807	8.36162	6.41787	8.38198	8.8804	8.938	8.86635
HSD17B4	10.0394	9.61269	9.73273	9.27318	6.88349	9.01529	9.72984	8.57243	9.16757
PRR16	5.5491	4.8945	5.42118	4.95785	5.15416	4.95297	4.75089	4.84898	4.66496
FTMT	4.05883	4.18591	4.0509	4.12403	5.48078	3.8027	4.05615	4.22968	4.51353
SRFBP1	8.54452	8.67163	8.61306	7.82203	5.54577	6.46764	8.28349	6.99035	7.56396
ZNF474	5.11975	5.31437	5.30455	5.18922	5.80143	5.40491	5.02161	5.19488	5.20571
LOC100505841	4.14343	4.28343	4.31181	4.4776	5.14048	4.25204	4.40323	4.45811	4.12259
SNX2	8.82579	8.33791	8.89215	7.2655	5.25643	7.0709	7.88729	8.21941	7.6826
SNX24	7.8788	8.52966	8.1629	7.59543	6.51125	7.6857	7.95358	7.99326	7.56561
PRDM6	5.62919	5.70641	5.50527	5.56502	5.98483	5.78595	5.33363	5.7538	5.66119
GRAMD3	8.49605	8.85187	8.14962	8.14603	8.74864	8.66925	8.40308	9.075	8.39706
PHAX	8.45772	9.11337	8.67091	8.53016	5.83687	8.07749	9.01129	7.86417	8.19327
LMNB1	6.30075	6.31615	6.31687	6.88966	6.04471	6.49956	6.56823	6.14778	5.86531
MEGF10	6.00356	5.83883	5.97096	6.13502	6.61372	6.12596	6.39613	6.59268	6.40826
PRRC1	10.5367	10.4351	10.5178	9.70941	8.15297	9.0708	9.75251	9.62318	9.90987
CTXN3	4.50519	4.25586	4.53914	4.81528	5.96982	4.84614	4.69299	4.92098	4.74591

ISOC1	9.11949	8.4651	8.8436	8.54085	6.69263	8.58568	9.05905	8.47547	8.37799
MIR4633	5.09926	5.2589	5.07743	5.49989	5.45494	5.7638	5.02716	5.16753	5.60944
KIAA1024L	4.14817	4.05134	4.12041	4.001	6.18534	4.33624	3.63211	4.28492	4.08502
CHSY3	6.6767	5.91247	6.0527	6.16957	6.2371	6.31024	5.98373	5.60602	6.13594
lyrm7	6.58499	6.5946	6.84703	6.08415	4.84108	4.724	6.51294	5.38682	5.50498
CDC42SE2	7.14772	7.05889	7.13238	6.40686	5.51542	6.0789	6.94714	6.25639	6.12502
CSF2	3.10792	3.62766	3.59533	3.24668	3.98273	4.04093	4.0698	4.74466	4.26132
PDLIM4	6.98826	7.32671	7.53724	7.4884	6.85005	8.33854	7.95555	7.37216	7.34681
C5orf56	7.03391	7.31924	7.4666	6.52425	7.20526	6.50216	6.19667	6.39737	6.54933
RAD50	9.48985	9.67834	9.57199	8.15053	5.76018	7.7236	8.61079	7.46723	7.86015
IL13	5.3103	4.94968	5.34121	5.78978	5.57839	5.99783	5.67088	5.60911	5.87746
IL4	3.62375	3.6336	3.27609	4.35308	4.82773	4.5919	4.27309	4.23977	4.40755
SOWAHA	5.45252	5.94909	5.83709	6.17585	6.081	6.33801	6.11604	6.05903	5.99457
LEAP2	5.66901	6.4194	5.78431	4.83573	6.16384	4.54745	4.36786	5.35774	5.55048
HSPA4	8.99028	8.6023	8.74182	9.17349	6.21389	8.82074	9.42963	8.92692	8.95355
UBE2B	6.50398	6.53361	6.30076	6.2186	6.0292	6.51777	6.77147	8.13456	6.68252
JADE2	6.71022	6.78812	6.7705	6.12307	5.72812	6.298	6.39135	6.08472	6.15692
CAMLG	8.37428	8.47123	8.28032	7.97217	6.01712	8.079	8.59798	8.06413	7.66947
DDX46	8.61915	8.89441	8.84177	7.662	5.52594	7.0027	8.10383	7.75657	7.84505
C5orf24	8.028	7.62425	7.90341	7.58792	6.52246	7.37124	7.80627	7.37504	7.42007
TXNDC15	7.70374	7.5773	7.95945	7.61838	6.83887	6.78838	7.78636	6.58102	7.56023
PCBD2	6.90092	6.86756	6.94437	5.82186	6.54592	5.55781	5.78032	5.88279	6.15293
MIR4461	6.21261	6.44319	6.22412	9.49611	9.67077	9.06349	9.35794	8.70357	8.20969
FBXL21	3.67195	3.6598	3.82205	4.04134	4.09891	4.17426	3.96916	4.03564	3.74527
SMAD5	8.76157	8.55272	8.70287	7.80082	6.11363	6.78289	8.12679	7.07339	7.30297
NPY6R	3.57866	3.72713	4.4917	3.49274	4.63561	4.30045	3.84258	3.80379	3.73771

MYOT	4.84954	4.90682	5.03828	4.78695	4.74649	4.64782	4.7837	4.88968	4.87844
PKD2L2	3.46131	3.63648	3.35198	3.49859	3.54825	3.68669	3.62036	3.30834	3.50577
KIF20A	7.0654	6.1435	5.96731	7.29181	6.08485	6.27155	6.39759	6.41991	6.10847
KDM3B	9.09721	9.10738	9.02567	7.89509	6.63422	7.58046	8.34704	7.6334	7.81085
REEP2	5.25883	5.37914	5.56114	5.95965	6.14385	6.3443	6.23506	6.12472	6.04617
EGR1	11.8993	9.3361	10.3191	10.4043	10.1271	11.7954	10.986	11.153	10.2488
MATR3	8.48897	8.54742	8.46134	7.69617	6.43526	7.25058	8.02021	7.40452	7.25573
PAIP2	8.67159	8.47217	8.70841	8.30034	8.40502	8.9549	8.53768	9.01814	8.67998
UBE2D2	8.45365	8.32167	8.37937	8.76389	8.06636	8.3528	9.01101	8.2917	8.70459
CXXC5	8.20083	8.27361	8.2713	8.34855	7.80897	9.04761	8.64276	8.05347	8.22354
PSD2	5.74055	5.83791	5.96643	6.38136	6.54703	6.31112	6.25643	6.40702	6.61276
NRG2	6.17796	6.26328	5.97873	6.52679	6.74691	6.65215	6.48775	6.60343	6.17116
PURA	7.79495	8.13265	7.74517	7.51297	7.27641	7.80118	7.73302	8.12	7.90828
IGIP	7.07668	6.98655	7.06613	5.90073	6.01388	5.8337	6.28682	6.40618	6.01772
CYSTM1	7.05475	7.00206	7.46885	7.26592	7.52579	7.46861	7.23642	6.98781	7.28105
ANKHD1-EIF4EBP3	9.23132	9.30126	9.26151	8.13149	6.96395	8.0635	8.39458	8.64263	8.63581
TMCO6	6.89787	6.85953	7.02075	6.53061	6.79273	6.44769	6.46313	6.33428	6.65576
WDR55	7.42878	7.10202	7.50418	7.12724	6.34385	7.1161	7.40962	6.96226	7.02038
VTRNA1-1	7.24747	9.21692	7.43203	9.12857	9.76962	11.3114	9.53187	11.0885	9.58823
VTRNA1-2	3.15472	3.68184	4.01352	10.5412	4.17423	8.5357	5.60725	4.62749	4.92709
VTRNA1-3	6.07337	6.60794	5.79403	8.29249	9.34636	8.05295	8.12853	9.15914	8.84904
PCDHB1	3.7257	3.7844	3.55389	4.32952	4.21813	4.67989	4.11375	4.22369	4.03847
PCDHB2	5.67783	5.63849	5.77607	5.50938	5.34339	6.01657	5.89455	5.31155	5.96343
PCDHB3	6.16697	5.49607	6.28629	4.56868	5.35848	4.22651	6.35197	3.89346	5.2155
PCDHB4	7.0705	7.54355	8.19674	5.44344	5.20355	4.83045	5.48935	5.24006	5.38512
PCDHB5	5.77188	5.80927	6.03393	4.67154	5.70823	4.92061	5.04878	3.98665	4.45506

PCDHB6	5.89258	4.89705	6.10397	4.35217	4.51355	4.86656	4.99265	3.90174	4.49746
PCDHB17P	3.21407	2.88343	3.14055	3.61907	3.99024	3.58291	3.31681	3.33543	3.32102
PCDHB7	4.52348	4.74235	5.25509	3.69879	4.55661	4.59803	4.65131	3.9846	4.39046
PCDHB8	3.1404	3.80812	3.47849	3.19415	3.67384	3.25373	5.08438	2.69902	2.9563
PCDHB16	5.51647	6.03447	6.38056	5.21045	5.16583	5.40622	6.81685	4.60784	5.1075
PCDHB9	5.71873	5.80127	5.96232	5.91954	6.44259	5.89908	5.93185	5.54808	5.71012
PCDHB10	6.18821	6.59992	6.48233	5.43642	4.97514	5.86478	6.8786	5.33534	5.89887
PCDHB11	4.89103	5.24811	6.28523	4.89206	4.79257	4.54577	4.17058	4.6916	4.19212
PCDHB12	6.70937	6.59283	6.69275	5.73476	5.65427	5.75081	6.12822	5.77463	5.8991
PCDHB13	7.69489	8.93219	7.54001	5.51703	3.80956	5.58924	6.76059	4.66548	6.36108
PCDHB14	9.11202	9.24675	8.61888	6.75917	5.85391	5.59241	8.17525	5.19441	7.22856
PCDHB18P	7.01168	6.8919	7.15124	5.71159	6.71479	4.4909	6.23458	5.51205	5.99628
PCDHB19P	6.32726	6.73013	5.85407	5.7343	6.84324	5.34736	6.08921	5.6928	5.72063
PCDHB15	6.47077	6.56194	6.06576	4.38905	5.79565	4.51396	5.28829	4.54519	4.75138
LOC100505658	3.77133	3.70442	3.68717	4.79453	4.23369	4.24278	3.55012	3.94304	4.43617
RELL2	6.68528	6.62007	6.62381	7.73633	7.58035	8.24605	7.79031	8.64859	7.57753
KIAA0141	7.73128	7.7828	7.79627	6.92504	6.36626	6.86453	7.33639	6.82041	7.12969
RNF14	8.12613	8.28922	8.16592	8.00886	6.9108	7.94025	8.15151	7.87219	7.99089
NDFIP1	8.35966	8.55835	8.53188	8.41005	6.54415	8.68132	9.12586	8.69236	8.52223
ARHGAP26	7.83893	7.36215	7.03507	6.74949	6.509	5.82129	6.40143	6.72189	6.60928
HMHB1	5.68645	5.96817	5.79503	5.84783	7.64972	6.45455	5.9508	6.16436	6.15395
KCTD16	4.40718	4.86435	4.73258	4.67087	6.009	4.85407	4.76088	4.90793	4.87004
SH3RF2	11.1697	11.0499	10.9439	9.93351	8.03879	9.00541	9.66068	9.37098	9.73092
RBM27	8.81486	8.99502	9.00769	7.8121	5.85973	6.87183	8.1429	8.05523	8.06617
POU4F3	6.34792	6.13397	6.51308	7.42917	7.58657	7.87209	6.98765	7.12951	7.48146
TCERG1	8.65372	8.7233	8.58606	7.39794	6.12289	6.57468	7.32556	6.83253	7.52449

STK32A	6.64558	7.03012	6.32467	5.15102	6.02506	5.10472	5.14302	4.75713	5.41986
JAKMIP2-AS1	4.53066	5.1072	5.05244	4.87191	6.7507	5.41604	5.33607	5.10882	5.13663
FBXO38	8.86633	9.22268	9.08033	8.27422	7.14166	8.05	8.34327	7.95265	8.83642
AFAP1L1	6.663	6.58898	6.89458	7.25121	6.65109	8.19904	7.46358	8.68502	8.68191
PCYOX1L	8.19941	7.51933	7.55548	7.86048	8.01054	8.25162	8.07947	8.46794	8.52279
MIR143	6.22712	6.41529	7.35581	5.27975	5.14437	5.23269	4.89212	5.01123	5.76312
ARHGEF37	9.38243	9.60169	9.00274	8.23731	7.31321	8.55649	8.47715	8.19562	8.40573
MIR378A	2.52255	2.70388	2.76415	2.19736	2.13331	2.21074	1.99397	1.9912	2.48754
HMGXB3	8.24323	8.14805	8.11667	7.59586	5.58853	7.45923	8.18011	7.54402	7.7868
CDX1	5.86212	6.0253	5.61124	6.90797	6.50462	7.17262	6.67841	6.60967	6.49317
TCOF1	6.941	6.9091	6.89704	7.114	6.88273	6.83173	6.7838	7.21609	7.20437
NDST1	9.65988	9.47552	9.32423	9.3664	7.70262	8.77235	9.60027	8.50529	9.45238
SYNPO	7.20177	6.88652	7.3074	6.91809	6.9612	6.59087	7.16541	7.35469	7.33567
MYOZ3	6.46686	6.56186	6.60442	7.3649	6.89489	7.3277	6.814	6.94305	7.07947
SMIM3	5.75084	5.62214	5.87212	7.44059	6.26471	6.1921	7.50177	6.83307	6.78071
GPX3	7.39489	6.59674	6.99256	8.25068	8.15374	8.94272	8.05365	9.44833	9.03294
GM2A	9.79309	9.74576	9.86881	10.2789	10.6596	10.4815	10.7234	10.9321	10.268
G3BP1	9.16613	9.12823	9.45913	8.90489	6.47231	8.48681	9.13978	8.52007	8.77293
MFAP3	7.76297	7.67371	7.75715	7.63195	6.69056	6.89792	7.84366	7.51132	7.63292
GALNT10	7.01633	6.89062	7.40743	7.03359	6.62941	6.69173	7.2213	7.01945	6.76772
MIR1294	5.21109	5.62866	5.59453	5.14365	6.02889	5.47684	4.95702	5.40822	5.65188
SAP30L	7.15091	7.59885	7.31455	6.78885	6.05308	7.09928	7.08794	6.75034	6.76387
MIR378H	5.94704	6.36093	6.14984	5.65869	6.78338	5.65872	4.62354	5.57559	6.00529
MRPL22	6.47122	6.11512	6.28794	6.21847	4.53822	5.74339	6.43854	6.10471	5.95773
KIF4B	5.69536	5.58432	5.10859	5.96212	6.18484	5.55243	5.99725	6.12572	5.94003
ITK	4.70222	4.76203	5.99665	4.62849	5.65944	4.5371	4.85576	4.677	4.90842

cyfip2	6.69413	6.27369	6.41657	7.2317	7.23404	6.67968	7.24023	7.12324	6.67942
NIPAL4	9.56423	8.96378	8.95878	10.0205	9.99613	9.88586	10.2629	9.46663	10.319
C5orf52	3.72024	4.19642	4.05324	4.9154	5.33915	5.30642	5.2574	4.89944	4.88679
THG1L	7.21104	7.45756	6.93002	6.90711	6.224	6.99856	7.31122	6.43603	6.43552
UBLCP1	8.54346	8.63093	8.71455	8.39017	6.21283	8.21177	8.53242	8.94321	8.75087
LOC285626	4.7603	4.89108	4.79262	5.59434	6.04366	5.382	5.02441	5.22012	5.51685
ADRA1B	6.06378	6.07749	6.15253	7.0145	6.84898	7.31519	6.78895	7.19665	7.14396
TTC1	7.74138	7.57059	7.92268	7.84227	6.25099	7.53413	8.3887	7.47758	7.20714
PTTG1	5.53335	5.32336	5.46736	5.98185	6.07794	6.13206	5.86041	5.97845	5.50234
MIR146A	5.18072	5.51495	4.98484	4.93715	6.36763	5.1248	4.79474	5.38192	5.2908
MIR3142	3.60408	4.72486	4.05148	3.6309	3.81564	5.05192	4.16461	5.19015	3.99571
CCNG1	8.64575	8.40595	8.8185	7.73701	5.05665	7.47251	8.20226	7.33921	7.59565
HMMR	6.5632	5.79061	5.75414	6.41905	5.28446	5.63391	6.52605	5.60854	5.30255
WWC1	8.03061	7.86682	7.61124	8.06085	7.20834	8.04067	7.94375	8.87108	8.98049
RARS	9.62882	9.84088	9.5962	9.82795	7.19351	9.46825	9.95459	9.31662	9.71726
FBLL1	6.86832	7.15673	6.92349	7.66519	6.82891	8.02252	7.31755	7.41693	7.26514
Mir103a1	3.07358	3.1479	2.87095	2.73959	2.73959	2.82443	2.8363	4.1159	2.94172
SPDL1	6.86561	7.29986	7.53331	6.82125	5.86943	5.9846	6.14218	6.65792	6.23232
DOCK2	6.07701	5.85732	6.34774	5.48922	5.99163	5.56029	5.57772	5.56523	5.69804
MIR378E	5.69106	5.89469	5.93588	6.49124	6.41073	6.6447	5.46784	6.52511	6.42873
FOXI1	5.94709	6.29571	6.00083	5.55294	5.99535	5.70499	5.86884	6.01041	5.91941
C5orf58	3.94433	3.97445	4.48519	3.91638	4.51978	4.39352	4.21386	4.20541	4.29408
KCNIP1	5.58185	5.61469	5.84036	5.53156	6.44452	5.84822	5.80975	5.74418	5.39773
RANBP17	5.47124	5.7097	5.66173	5.23308	5.78754	5.13736	5.13914	5.28972	4.83707
TLX3	5.58609	5.83419	6.27662	6.71854	6.1193	7.2587	6.98453	6.66985	6.85399
FGF18	6.09708	5.8811	6.20696	6.05451	5.94787	6.62369	6.08988	6.26422	6.01179

EFCAB9	2.55052	2.46162	2.13925	2.67429	2.48335	3.04563	2.80258	2.59772	2.54001
NEURL1B	6.94583	6.68158	7.10667	7.61919	7.03983	7.74253	7.21225	7.39249	7.42978
ERGIC1	7.60325	7.25242	7.72382	7.23054	6.91032	7.87282	7.53552	7.94154	7.93412
LOC100268168	5.40862	5.21393	5.11781	5.83574	4.88406	5.58612	4.80701	5.26468	5.61919
RPL26L1	6.3719	6.63201	6.39796	7.2273	7.1945	7.17845	7.32591	6.49727	7.17596
CREBRF	7.8952	8.37049	8.33713	5.76288	5.66659	6.31617	6.37853	6.39869	6.0692
BNIP1	6.65154	6.64835	6.31286	6.32825	5.97368	6.02781	7.01456	6.58583	6.67153
LOC285593	4.62771	4.7298	4.57488	4.37875	5.2388	5.06194	4.60741	4.73914	5.05962
CPEB4	8.97462	8.77723	8.42201	8.60599	8.28369	9.63499	8.74221	10.2793	9.96456
C5orf47	5.14114	5.34936	5.60656	6.00846	6.22452	6.25186	5.99617	5.81701	5.78812
HMP19	5.59528	5.79913	5.7408	6.07534	6.55297	6.36201	6.32522	6.19924	6.58231
MSX2	6.70039	7.23839	6.94149	7.50589	7.38407	7.38121	7.41339	7.34029	7.62337
SFXN1	6.33252	6.57928	6.28433	6.25496	5.24353	6.41278	6.77819	6.37597	6.07825
HRH2	5.98368	6.07628	6.14048	6.48382	6.40392	6.19732	6.18022	6.3305	6.17747
CPLX2	6.23036	6.17373	6.5457	6.83181	6.88789	7.27712	6.88316	6.73295	6.76593
LOC643201	4.1535	4.59272	4.43414	4.92211	5.2547	4.67213	4.69763	4.97652	4.67351
SIMC1	6.29761	6.33129	6.56723	6.48039	6.29599	5.89932	6.01769	6.24268	6.18834
ARL10	5.62824	5.83237	5.45958	6.13859	5.44362	6.01527	6.04351	5.52412	5.83117
MIR1271	4.24186	4.0424	4.91645	4.44745	4.64811	4.30992	4.22972	4.43152	4.82684
FAF2	9.47081	9.19985	9.34266	8.87293	7.8425	8.95543	8.88132	9.41227	9.28663
CDHR2	5.30193	5.95131	5.712	5.95187	6.12115	5.91689	6.01052	6.10037	6.20747
EIF4E1B	6.02416	6.22963	6.07021	6.45664	6.58382	6.38687	6.49481	6.45592	6.68621
TSPAN17	7.46374	7.49169	7.34572	8.35041	7.09639	9.35794	8.8075	8.54556	8.81313
UNC5A	6.34865	6.34082	6.1899	7.0281	7.02648	7.0976	6.76893	6.93363	6.62752
ZNF346	8.14106	8.00961	8.25398	7.1051	6.57377	6.98936	7.91968	7.87644	7.37174
fgfr4	5.10199	5.51575	5.98002	5.79426	5.98777	5.91672	5.63687	6.00679	5.87597

NSD1	8.6545	8.6801	8.433	7.60013	5.84839	7.26649	7.90957	7.13752	7.68977
MXD3	7.16244	6.41362	6.97014	7.46662	7.41424	7.53878	7.93269	7.15348	7.86274
RGS14	7.17348	6.9948	7.09611	7.36972	7.5266	7.60408	7.59166	7.19082	7.16884
GRK6	7.08803	6.74719	6.82119	7.73663	6.62646	7.01245	7.42928	7.14111	6.8591
PRR7	6.6674	6.7408	6.82347	7.2107	7.57112	7.12185	7.30491	7.25811	7.11398
TMED9	7.80519	7.93117	7.67844	8.78392	7.13162	9.21288	8.85136	8.8016	8.81314
N4BP3	6.3528	6.62401	6.55299	7.66768	6.29581	7.83666	7.24895	7.40062	7.12602
RMND5B	7.73834	7.7831	7.41712	7.33765	6.43317	6.94624	7.45533	7.14261	7.2664
HNRNPAB	9.89451	9.16919	9.53293	9.45611	6.78041	8.85854	9.87883	8.81127	9.11706
ZNF354B	5.90807	6.33956	5.95957	5.93541	5.58543	5.68324	6.0106	5.65856	5.68171
ZFP2	6.3875	6.33158	6.2524	5.57475	6.58951	5.75927	5.92627	4.99142	5.79406
ZNF454	6.00445	5.85361	5.86169	5.71348	5.97193	6.01265	5.42177	5.59228	5.78554
ZNF879	5.76886	5.89743	5.80428	5.87145	6.75594	6.14983	5.60004	5.951	6.08239
ZNF354C	5.71623	5.53257	5.81894	5.2382	4.66078	5.64023	5.99873	5.55481	5.46847
RUFY1	8.69303	8.39096	8.25621	7.78198	6.23877	7.79853	8.12606	7.21976	7.63907
CANX	11.181	11.3919	11.4193	10.8049	9.52646	10.7757	10.8181	10.7707	10.8447
MAML1	6.93649	7.13788	7.22402	6.64891	6.14702	6.90992	6.95316	6.84529	6.83298
LTC4S	6.89449	7.17548	6.95475	7.95477	7.41512	7.97568	7.34686	7.56927	7.56935
SQSTM1	8.02696	7.6648	8.12785	7.97358	8.31066	8.59734	8.44372	9.27311	8.30582
LINC00847	6.43265	6.49206	6.45931	6.75759	6.6068	6.71757	6.32113	6.50704	6.38337
btnl8	5.01051	5.08317	4.85922	5.44141	6.60934	5.99951	5.04397	5.45839	5.37602
BTNL3	4.69121	4.917	4.75003	4.75243	5.00735	5.40704	5.22601	4.71986	4.23163
BTNL9	5.64191	6.03387	6.35173	6.0593	6.18905	5.95432	5.94907	5.84827	5.80447
TRIM41	6.92083	6.83408	6.66823	6.57082	6.07782	6.51814	6.88595	6.3517	6.56605
CCDC127	6.07964	6.47697	5.98317	6.52377	6.35421	6.2414	6.44601	6.01991	6.09476
EXOC3-AS1	6.58958	6.84208	6.54743	7.00758	6.6175	7.58341	6.70972	7.05113	7.20513

PP7080	7.53583	7.80351	7.62988	7.02811	6.44086	6.76373	7.66951	6.86911	7.01019
TPPP	6.73164	6.59591	6.44487	7.19565	6.77711	7.64383	7.76925	7.53212	7.37585
LOC100506688	4.84954	4.70845	4.84617	5.31595	6.90568	5.31222	5.00023	5.0162	5.07306
MIR4635	6.11752	5.83597	6.24517	6.88446	7.07265	7.18634	6.53616	6.36458	6.52093
TERT	6.18151	6.20569	6.07338	6.76332	6.81363	6.93478	6.66905	6.8225	6.61167
MIR4457	2.95479	2.59817	3.09824	2.87925	2.93929	2.62228	2.89842	4.07529	2.5602
CLPTM1L	7.57816	7.84096	7.60213	7.99947	6.43903	7.81453	8.14077	7.6394	7.78153
LPCAT1	6.93736	6.54236	6.57668	7.47068	6.48536	7.15298	7.38231	8.24162	7.36588
LOC728613	5.97481	6.21528	5.55684	4.56785	4.21758	3.99685	5.15398	3.87881	4.02653
MIR4277	4.6268	4.90342	5.09721	5.61761	5.35693	6.35465	5.60948	5.21513	5.46282
mrpl36	7.26353	7.44089	7.04978	8.16903	7.47496	7.77218	8.42502	7.65872	7.50892
IRX4	7.92908	7.03322	8.10495	7.87673	6.5768	8.05774	8.37678	7.04715	7.45784
IRX2	8.01164	7.22916	7.74098	7.63039	6.51302	8.42769	7.59288	7.04456	6.93146
FLJ33360	6.05106	5.66305	5.98008	5.85961	6.94954	6.17595	5.28119	5.76892	6.36935
MED10	8.18827	8.23216	8.37042	9.01311	7.52727	9.07444	9.67586	8.29218	8.46872
MIR4278	3.07559	2.90206	2.81076	3.05803	2.94771	4.21381	2.91713	2.55457	3.08615
LOC442132	4.8027	5.2952	5.0779	5.44306	7.22056	5.55749	5.36077	6.22677	5.65703
C5orf49	4.77768	5.07103	4.89189	5.33091	5.36339	5.09071	4.96576	5.07932	5.3781
fastkd3	6.3887	6.97215	6.64521	6.1686	4.80241	5.38679	6.55978	5.63018	5.78259
LOC729506	3.87533	3.85973	3.94927	4.09885	4.61475	4.00768	3.79127	4.08915	3.71049
MIR4636	4.60398	4.81999	4.67924	4.70198	5.34267	4.72611	4.6504	5.12219	4.75313
CMBL	5.94055	5.72055	5.76832	5.59817	5.86918	5.35757	5.31038	4.97698	5.34372
DAP	8.65837	8.60364	8.91823	8.68213	8.21434	7.97645	8.71178	8.52316	8.13166
44266	4.92685	5.09733	5.20393	5.16187	6.09203	5.29139	5.37795	5.39934	5.71361
ZNF622	6.95458	7.20818	6.92517	7.84144	6.46184	8.71437	8.23421	9.31137	8.59188
MYO10	9.07526	8.71805	8.81264	8.6892	7.42196	8.93393	8.48057	8.91822	8.9756

LOC285696	4.96066	4.7534	4.94123	4.85068	5.35876	4.59045	4.96171	4.789	5.01742
LOC401177	4.86472	4.86632	4.76632	5.02838	5.50118	5.54816	5.09505	5.9634	5.68535
LOC340107	3.48239	3.39547	2.94682	3.54992	3.64046	3.39382	3.9214	3.31835	3.27956
MIR4279	5.8603	5.92514	4.72892	5.0499	5.40381	5.73889	5.35574	5.16996	4.84018
GOLPH3	10.5601	10.4233	10.5698	10.2708	9.20251	9.97822	10.7729	9.9389	10.4251
MTMR12	9.65737	9.90773	9.75204	8.49899	6.42036	8.52737	9.14515	9.31629	8.86693
ZFR	9.6983	9.69487	9.52591	9.05151	6.91539	8.46391	9.27868	8.97742	9.15491
MIR579	5.71874	4.51334	5.30222	6.28546	4.77282	5.26386	5.83	6.72522	7.31066
C1QTNF3-AMACR	8.05538	7.57714	7.40063	6.74952	6.40435	5.9003	6.5879	6.10206	5.97381
RAD1	7.28607	7.43738	7.2867	7.20522	6.03937	6.50155	7.62161	6.41433	6.93943
AGXT2	4.98829	5.43921	5.18601	5.51316	6.51811	5.56072	5.03958	5.65051	5.81791
PRLR	6.72548	6.15858	7.24431	5.87778	5.49468	5.28669	6.01866	5.63	5.18115
CAPSL	4.16143	4.13179	4.02773	4.54252	4.75921	4.78396	4.22369	4.38982	4.62744
LMBRD2	8.30548	8.42751	8.47319	7.77038	5.4712	7.61362	7.85724	7.25617	7.66308
MIR580	5.53159	3.93627	5.36447	2.81583	2.31431	2.69222	2.92445	2.92301	3.18578
NADK2	7.63323	7.53096	7.74541	6.58602	6.27391	6.07381	6.53176	6.3855	6.20349
RANBP3L	4.34332	4.72131	4.96047	4.46465	3.95404	4.77035	4.81694	4.33386	4.25315
NIPBL-AS1	7.23725	7.17316	7.5122	6.20909	6.17068	6.22346	6.56737	6.25096	6.43003
c5orf42	7.63999	7.71454	7.47861	6.4246	5.83249	6.11717	6.74508	5.73914	6.74428
NUP155	9.16686	9.20331	9.39407	8.75404	6.46097	7.41741	8.74645	7.87185	8.04254
GDNF	5.39191	5.21173	5.37646	5.55679	5.53872	5.45057	5.35885	6.04708	5.62031
EGFLAM-AS4	3.7402	3.56694	3.68954	3.73151	5.03896	4.16972	3.74838	3.81019	3.84474
LIFR	6.98348	7.97812	8.55499	5.41984	5.15109	4.41757	5.10324	4.63225	4.72303
MIR3650	7.65344	7.61212	7.60896	8.43396	8.45542	8.1141	8.19211	8.08522	7.84815
FYB	6.23098	5.70595	6.75362	5.29623	5.43218	5.22338	5.95696	5.86231	5.48597
C9	3.67011	3.74975	3.86241	4.07338	5.31693	4.20712	4.03881	3.78352	3.74831

TTC33	7.24567	7.55257	7.25727	7.09073	6.17425	6.79858	7.70822	6.81594	6.79648
LOC100506548	8.00776	8.29345	8.3496	6.95722	6.6881	7.05847	7.52607	6.72247	7.00408
MROH2B	4.15337	4.33451	3.98379	4.55595	5.66702	4.89085	4.54332	4.97932	4.4597
C6	4.53486	4.64513	5.33205	5.40198	5.83787	5.45736	4.96832	4.60802	4.9735
LOC648987	5.78532	5.26371	5.39445	5.69568	5.463	5.83696	5.87818	5.59561	5.52998
ANXA2R	6.13732	6.13626	6.16803	6.08068	6.10301	6.01174	5.67175	6.18262	6.53911
HMGCS1	8.60511	8.07304	8.42715	8.19338	6.27161	8.5289	9.25559	8.7073	9.1184
CCL28	7.09072	6.86798	7.15555	5.94454	6.19316	6.93985	6.15265	5.3604	5.6071
TMEM267	6.9378	7.02014	6.98654	6.56954	5.43417	5.11231	7.05274	5.31713	5.89733
C5orf34	4.97682	5.43523	5.11604	4.76957	4.62685	5.01166	4.99525	4.60456	3.97756
PAIP1	8.59564	8.56358	8.64603	8.47769	6.45008	8.23919	8.97255	8.0311	8.1683
FGF10	5.48812	5.74931	5.3832	4.59451	5.61007	5.03548	5.06265	4.86266	5.11673
HCN1	5.88077	4.93095	6.04946	5.17935	6.53578	5.57745	5.10099	5.47715	5.32976
EMB	8.39404	9.18452	8.3122	7.43637	6.87942	6.77942	6.89625	5.92931	6.19607
LOC642366	3.7006	4.07707	3.69824	4.55038	4.73783	4.85543	4.2512	3.95806	4.21862
mocs2	8.31228	8.02043	8.6125	7.82533	5.72146	7.21172	8.18182	6.99799	7.59887
ARL15	8.02427	7.68723	7.86101	7.50334	6.5333	6.73988	7.98861	6.65689	7.36657
MIR581	6.95958	6.68039	7.54596	4.63795	3.69015	2.87598	5.25044	5.38038	5.05274
ESM1	4.79968	4.77707	4.84051	6.22395	5.71543	6.18877	5.19881	7.11703	5.89607
CDC20B	4.90084	4.47306	4.99732	5.38377	6.0188	5.50371	4.6802	5.56616	5.40807
MIR449A	4.60755	4.35622	4.36467	4.24502	5.04397	4.49924	4.51254	4.67681	4.50287
Mir449b	7.95169	7.89937	8.13036	8.36299	9.00858	8.22073	7.73827	8.2351	8.02442
MIR449C	5.85134	5.87139	5.56734	5.8281	6.39777	6.31371	6.17089	6.20435	6.06147
MCIDAS	5.38594	5.44786	5.67035	6.03121	6.07416	6.68299	5.99586	6.02091	6.02604
CCNO	5.7787	5.29958	5.36467	6.0302	5.63688	6.56976	6.08685	6.00422	6.2254
DHX29	8.63542	9.24615	9.15896	8.55311	6.26155	8.0183	9.27623	8.80564	8.63782

PLPP1	10.5019	10.3745	10.7409	9.61864	7.74307	8.85071	10.0988	9.28387	9.98381
ankrd55	4.26325	4.51939	4.78411	5.26486	5.73509	5.14063	4.88582	5.17157	5.10369
PLK2	9.32909	8.09601	8.78962	9.95624	7.59374	8.90765	9.47842	9.85303	9.91968
Mir582	4.48191	4.32617	4.54842	3.97184	3.14292	3.26886	3.31475	3.74796	3.17575
depdc1b	6.95445	5.46423	5.89063	6.80602	5.89035	6.0201	6.14889	6.33969	6.16055
ELOVL7	10.7148	10.2993	10.3335	10.1154	8.25067	9.93817	9.62006	9.54043	10.2374
SMIM15	8.34434	8.26804	8.33389	8.6996	5.77436	8.4524	9.12115	8.3639	8.44674
DIMT1	8.12542	7.56193	7.98482	7.74586	6.37714	6.4377	7.90031	6.39845	6.92199
SREK1IP1	7.51957	7.54759	7.34155	7.62307	6.95269	8.64893	8.11199	8.39987	8.76725
CENPK	5.95029	5.40088	6.26892	6.20095	4.42085	4.66721	6.01293	4.78041	4.65172
TRIM23	6.26529	6.80248	6.51177	6.13751	5.28932	5.86814	5.90868	5.96837	5.79361
CD180	5.23926	5.42218	6.12851	5.08702	6.21144	5.58033	5.66025	5.33469	5.36778
CCDC125	8.60368	8.61407	8.23677	7.0689	6.54456	5.91233	7.5638	6.44852	6.7828
LOC647859	9.10148	9.18625	9.48571	8.33972	7.50456	8.91681	8.58933	9.26657	8.95813
MRPS27	8.16101	8.19228	8.17647	7.28903	6.34111	6.38392	7.45767	6.415	6.76483
ZNF366	5.49623	5.63182	5.8144	5.64747	5.84937	6.03321	5.69916	5.97168	5.89015
ENC1	6.87712	7.12869	6.95774	7.70859	6.6389	6.7265	7.0105	7.32756	8.44371
ANKRD31	5.85901	5.8568	5.76511	7.49796	6.77297	8.82484	7.53461	8.01477	8.61159
POC5	7.56452	7.3322	7.58239	6.37321	5.70647	6.25011	6.64129	6.08119	6.07298
f2r12	9.28151	6.85431	8.02352	8.18646	7.12705	6.85408	8.4977	6.59556	7.25772
WDR41	9.08491	8.69513	8.53674	8.75357	6.57836	7.94707	8.85458	8.10054	8.90973
OTP	6.00756	6.4058	6.07197	6.94958	7.1906	7.10313	6.79345	6.6701	6.57397
TBCA	6.92198	7.9242	7.28734	7.7636	5.71025	8.08486	7.83616	7.36787	7.54269
LHFPL2	6.72193	6.59702	6.86014	6.76098	7.39747	7.30766	7.76559	7.07357	7.66503
ARSB	6.51293	6.02816	6.64176	6.09915	6.01384	6.35728	6.64878	6.36424	6.18954
DMGDH	5.34678	5.68525	5.55136	5.40173	5.88908	5.34507	5.19523	4.54694	4.80336

HOMER1	7.69098	7.42004	7.54965	8.48193	6.64031	8.64085	8.87536	8.12344	8.73465
MTX3	7.48445	8.01564	7.47831	6.76525	5.79003	5.78686	7.27952	6.08275	5.9654
SERINC5	9.87306	9.39525	9.53571	8.79042	7.49644	9.15344	9.27413	9.15718	9.33105
CRSP8P	3.39381	3.39221	3.24609	4.16641	4.48077	4.15658	4.01181	4.57365	4.13741
ANKRD34B	3.55823	3.53503	3.99599	3.89364	5.42834	4.71638	4.65481	4.53459	4.29398
DHFR	5.60775	5.44967	5.37172	5.29797	4.83475	4.88163	5.2172	4.78843	4.97163
MTRNR2L2	6.18174	7.46684	6.78164	5.98697	6.51838	5.51807	5.77982	6.91885	5.89003
CKMT2-AS1	6.91027	7.05771	6.67079	6.26185	6.90475	6.14336	6.19774	6.37728	6.56942
ACOT12	4.40627	4.09158	4.43144	4.40752	5.09208	4.53557	4.37757	4.56061	4.41698
SSBP2	9.01632	8.39389	8.73362	7.11611	6.71755	7.27687	7.7158	7.30688	7.81742
rps23	8.49999	8.80467	9.35518	7.82246	8.11039	8.91819	9.07346	8.08097	8.82449
TMEM167A	6.22431	6.33545	6.32956	6.53806	5.54579	5.72818	6.32504	6.01627	6.43669
SCARNA18	5.59746	6.39538	5.59048	5.7492	4.16819	6.23776	6.50641	5.53688	5.32107
HAPLN1	4.17427	3.51656	3.70566	4.51855	5.36087	4.15052	4.10973	4.24591	4.44759
EDIL3	7.90167	7.92063	8.08528	7.84527	5.77985	7.12547	8.55705	7.8805	7.67876
MIR4280	2.48053	2.63533	2.63969	3.26036	3.00249	3.27287	2.68617	2.39787	2.97839
CCNH	8.21044	8.15248	8.05093	7.34676	5.90203	6.41475	7.4332	7.4562	7.37966
TMEM161B	7.70549	7.60933	7.59098	6.59423	5.01189	5.92619	6.48992	6.19488	6.71235
LINC00461	5.13409	5.38183	4.99004	5.22593	6.15105	5.70674	5.00301	5.54834	5.33124
MIR3660	2.78094	2.50415	2.56666	2.798	2.19715	2.62716	2.61088	2.64159	2.30282
MBLAC2	7.41147	7.28216	7.61116	6.4371	6.76727	6.43921	7.04922	6.2696	6.39035
ARRDC3	10.6344	10.9811	10.7544	9.62917	9.20028	10.1875	10.5457	8.61621	8.43766
NR2F1-AS1	5.12299	5.22807	5.14837	5.21376	5.27936	5.62383	5.3926	5.59087	4.97042
KIAA0825	7.80546	7.59176	8.08706	5.78805	5.76501	5.44607	6.45176	5.52544	5.40165
TTC37	9.50168	9.47947	9.15529	8.7001	5.7408	7.93523	8.94654	8.85506	8.33494
SPATA9	3.67215	3.76544	3.97032	3.94352	5.03255	4.25423	3.99644	3.60479	3.82664

GLRX	8.13997	7.22152	6.85193	7.83764	6.61094	5.78468	6.74314	6.84758	6.85904
pcsk1	5.77991	5.59634	6.13411	6.04356	6.41139	5.62149	6.09879	5.7334	5.89498
ERAP1	8.39499	8.28059	8.21546	7.3977	6.04149	6.05206	7.76802	6.70223	6.97256
LIX1	4.75427	4.94211	4.78418	5.15194	5.28694	4.91691	4.73865	5.09132	4.81436
RIOK2	6.88889	6.32108	6.68546	5.80781	5.86467	5.70118	6.32436	5.12595	5.8634
RGMB-AS1	4.98523	5.36593	4.85453	5.50077	6.09249	5.22866	5.34243	5.1361	5.38531
CHD1	8.59418	8.82502	8.5246	8.29745	5.59523	8.68894	8.4644	8.84805	9.16336
GIN1	5.95972	6.24281	6.33626	5.41896	3.79689	4.44951	6.14596	4.42879	5.05672
NUDT12	6.79688	6.82752	6.71508	6.07586	4.62415	5.5244	6.33249	5.18778	5.48725
EFNA5	9.54526	9.4496	9.22264	8.6907	6.26514	8.39756	9.17969	8.53828	9.08262
FBXL17	8.43141	8.12145	8.28425	7.38755	5.611	7.39665	7.66817	6.83149	7.55113
TMEM232	4.94672	4.92648	4.70983	4.00224	4.16399	4.49779	4.52184	4.47994	4.16391
MIR548F3	2.52895	2.78625	2.09009	1.99807	2.38675	2.72167	2.4683	2.29884	1.82317
STARD4	6.52218	5.98281	6.17728	7.03753	5.61793	7.14186	7.59204	7.73212	7.45258
NREP	7.89084	7.29987	7.12266	7.22482	6.79652	5.8721	7.07502	6.38517	6.68412
EPB41L4A	8.35999	8.37259	8.04613	6.59253	5.74323	7.06043	7.34407	7.45128	7.18308
REEP5	9.66767	9.64432	9.81364	9.27517	7.94023	8.80985	9.32873	8.45134	8.97582
MCC	9.26947	9.00868	8.83348	8.095	6.1966	7.92376	8.0736	7.53112	7.70533
TSSK1B	5.55042	5.1471	5.4238	5.2396	4.97436	5.44238	4.97403	4.56004	5.15939
TRIM36	5.56622	5.53825	5.27012	5.69275	6.04317	6.22722	5.75735	5.87416	5.72404
CCDC112	5.78525	6.23855	6.06985	4.90415	3.78561	3.9572	5.56725	4.55959	3.82262
FEM1C	8.3188	8.33147	8.42938	8.62637	8.46106	10.013	9.15632	10.1854	9.36243
TMED7	8.34711	7.91095	8.44072	8.23452	6.67896	8.28347	8.51121	8.29165	8.52773
ATG12	6.61388	6.75975	7.08343	6.16963	5.72492	6.31426	6.36926	6.44851	6.44376
DTWD2	7.76425	8.00686	8.05576	7.74671	6.86499	7.64442	8.41272	7.19446	7.56974
LOX	7.87381	7.46441	7.94938	7.91298	6.67285	7.04442	8.00149	6.79693	6.76577

MGC32805	4.00654	7.06847	5.02336	3.77004	4.52335	4.31492	3.89047	3.96341	3.87381
PPIC	7.73382	7.7108	7.27904	8.08925	6.57269	8.23983	8.07448	7.7298	7.90834
CEP120	7.25531	7.725	7.71758	6.04202	5.6947	5.14439	6.0598	5.93016	6.00674
ZNF608	6.51327	7.56381	6.52479	6.12244	5.39297	5.83039	6.38891	5.65374	5.59696
c5orf63	6.48306	6.03811	6.25327	5.73624	5.6092	4.99825	6.23494	5.59643	6.08387
FBN2	5.24762	5.27114	5.25921	6.80467	6.08515	7.73172	6.43664	8.06547	6.76775
MIR4460	3.05215	3.57616	3.22312	3.30515	3.6504	3.13503	3.48364	3.72456	3.29337
HINT1	7.70324	7.84959	7.91415	8.06051	7.58169	8.11006	8.03196	7.78577	8.27493
RAPGEF6	7.86267	7.85136	7.81723	6.46497	5.66106	6.25642	6.88476	7.11116	6.56946
FNIP1	8.94769	8.89583	9.19877	8.36308	6.46532	8.87562	8.33261	8.94292	8.92577
ACSL6	4.34887	4.32328	4.42561	4.75923	5.35885	4.77153	4.76341	4.66374	4.50697
MIR3936	5.70847	8.2067	5.35565	5.44108	4.76942	5.90573	5.54945	5.35729	5.60986
IRF1	7.59264	6.38196	6.15332	6.45965	5.61337	6.5701	7.12263	6.54851	6.62362
KIF3A	6.83649	7.27636	6.73157	6.68007	4.90055	5.96295	6.72579	6.84117	6.80699
44447	7.84682	8.04308	7.57424	7.83462	6.90401	7.64059	7.81076	7.21398	7.88958
SHROOM1	6.52825	6.68835	6.44198	7.11466	6.93814	7.19105	7.22952	6.80981	7.0672
GDF9	5.70274	5.28422	4.96143	5.33288	5.32043	4.68782	4.13417	4.62353	5.04475
FSTL4	6.1318	6.3745	6.97939	6.71004	6.00471	6.44532	6.74808	6.45505	6.02147
MIR1289-2	2.90527	3.31943	3.07504	2.96517	3.47987	3.41226	3.53691	2.90042	3.08528
c5orf15	8.07673	8.27997	7.87224	7.95084	6.30212	7.37633	7.93455	7.36241	7.63113
VDAC1	9.38942	9.33201	9.52884	9.84493	9.24397	10.0276	10.0107	9.77048	9.78313
SKP1	8.3441	7.31827	7.19988	5.75447	5.52942	5.47766	5.95599	7.80117	7.01989
CDKL3	4.90243	4.95192	5.05179	4.73251	4.76397	4.88006	4.53649	4.80228	4.9417
CDKN2AIPNL	5.9344	5.95744	6.02555	5.92045	5.87593	5.7283	6.25136	6.02221	5.36336
SAR1B	8.00308	8.17928	7.714	8.01366	7.05517	7.8235	8.37451	7.70989	7.89279
PITX1	6.6385	6.42315	6.56135	7.26643	6.84984	8.04767	7.44675	7.04324	7.29923

C5orf66-AS2	5.50033	5.83258	5.74827	6.13181	6.90271	6.55701	6.29727	6.14951	6.39216
NEUROG1	5.16808	5.55837	5.5793	6.17775	5.81471	6.5426	6.17807	5.90412	6.14127
CXCL14	12.8984	12.4027	12.7085	12.3526	11.2661	11.2998	12.4529	10.8721	11.7887
LOC340074	4.31247	4.51297	4.59429	4.87366	5.75484	4.9869	4.30161	4.52392	4.62527
IL9	4.75741	5.1304	4.65354	4.86184	5.00573	5.11074	4.90344	4.83965	4.85153
LECT2	3.55442	3.44107	4.05435	4.116	4.58618	4.17537	3.46659	3.71142	3.63758
VTRNA2-1	6.64631	8.23002	5.99331	8.53704	8.52252	9.93306	7.8137	6.79559	8.11506
SMAD5-AS1	5.20678	5.20754	4.5392	5.34927	6.04358	5.38031	5.66179	5.40779	5.00866
LOC389332	6.00718	5.84315	6.05457	6.27045	6.52338	6.61882	6.73143	6.45127	6.45425
KLHL3	6.80078	6.78678	7.16506	5.75935	6.13978	5.60677	5.76518	5.83541	5.71396
Mir874	3.80447	3.87715	4.08229	4.9961	4.35475	4.82149	4.72106	4.79186	4.24915
HNRNPA0	8.45614	8.2506	8.64122	8.60564	6.13586	7.74578	9.08466	7.63988	7.99109
NME5	4.42703	4.15847	4.71234	4.50917	4.55327	4.00498	4.39586	3.97303	3.83015
BRD8	6.6753	6.60318	6.49773	6.25305	6.13694	5.78398	6.20391	6.30123	5.80292
CDC23	8.42323	8.03747	8.34916	7.4091	5.66874	7.08439	7.85171	6.82442	7.13028
GFRA3	6.18447	5.68465	6.13633	6.04779	6.468	5.45546	5.76359	5.79184	5.86387
CDC25C	5.22338	4.51562	4.72876	5.17197	5.56849	5.28408	5.16031	5.10499	5.08684
HSPA9	10.0529	10.1783	10.3106	10.2383	8.25348	10.5339	10.3995	10.307	10.2589
MZB1	6.2553	6.11962	6.36201	6.30231	6.63682	5.60961	5.92566	6.6513	6.46903
PROB1	4.92873	4.76234	5.08828	5.46313	4.5052	5.84923	6.02042	5.36109	5.52926
SPATA24	4.8421	5.14161	4.83217	4.59027	4.84856	5.1568	5.27175	5.05326	5.03788
ECSCR	4.85752	5.47147	5.92818	4.75163	4.51549	5.09971	5.06767	5.34884	5.23128
TMEM173	7.42789	7.06371	7.55402	7.57059	7.12218	7.86737	7.98899	7.66711	7.82068
PFDN1	9.39922	9.03623	9.31642	8.74202	6.92669	8.5903	8.94226	8.74789	9.02704
HBEGF	9.16533	6.69545	6.86708	9.16502	8.47907	11.2879	8.5835	10.5203	10.3985
SRA1	7.05844	6.82696	6.95786	7.7906	7.37139	8.29809	7.94604	8.11094	7.92938

CD14	6.3661	6.55461	7.24089	6.54674	6.27586	6.10354	6.84128	6.13382	6.3851
DND1	5.92543	6.0117	6.4484	7.43886	6.79701	7.23908	6.94983	7.08066	7.21961
HARS	7.90813	7.82104	7.97932	7.4737	6.58923	7.51556	7.88093	7.5851	7.86156
SLC25A2	5.99604	6.56139	6.26135	6.26569	6.22696	6.89235	6.25478	6.42015	6.78098
DIAPH1	9.03389	8.78631	9.27466	9.17793	7.60675	9.78389	9.55618	9.89146	10.0027
HDAC3	8.76809	8.83495	8.74946	8.86344	8.57204	10.0398	9.10889	10.4245	9.25929
FCHSD1	8.23328	7.89049	7.53199	9.35001	10.0533	10.2444	9.6308	11.8165	10.6788
PCDH1	7.76439	8.07251	7.96266	7.91068	7.37768	8.30683	7.84946	7.90495	8.05431
LOC729080	2.57162	1.92502	2.26338	1.94759	3.53462	1.93017	2.00191	1.88089	2.14854
PCDH12	5.10231	5.26554	5.14526	5.4025	6.1651	5.5484	5.22591	5.41882	5.43559
GNPDA1	6.063	5.97456	5.89899	6.23006	5.94899	6.45725	6.33148	6.34151	5.86491
SPRY4	6.61479	6.22001	6.30647	7.88089	6.7859	8.1039	7.74837	8.33113	8.96444
FGF1	4.83622	5.24586	4.84544	5.47823	5.49039	5.87946	5.60332	5.56333	5.58329
PRELID2	5.51317	5.43091	5.11034	4.81649	5.06047	5.10167	4.81855	4.81413	4.93918
PLAC8L1	5.56154	5.39266	5.55002	5.33095	5.60402	5.24481	4.96958	5.16359	5.26608
LARS	8.92228	9.1097	8.97205	8.73544	6.36885	8.02547	8.68573	7.50766	8.41519
GPR151	4.70663	4.93496	4.87308	5.26526	5.48208	5.45477	5.19287	5.06701	5.53266
PPP2R2B-IT1	3.82227	3.83054	4.22069	3.67147	5.62642	4.16143	3.85194	3.85348	3.80975
DPYSL3	7.44459	7.15907	8.00644	6.05399	5.74427	6.24687	7.91873	7.49102	6.70397
JAKMIP2	4.74439	5.26261	4.81972	4.58387	4.26201	4.35381	4.3108	4.16939	4.27209
C5orf46	7.58428	7.84412	7.78128	7.2142	5.5868	5.84279	6.05531	5.4873	5.65836
SH3TC2	5.07182	5.5975	5.52257	5.89252	6.44621	5.85293	5.80416	6.05989	6.32248
MIR584	6.44202	6.21464	6.6374	6.10997	7.75834	6.66604	6.77793	6.59071	6.58754
IL17B	5.97574	6.28559	6.23058	6.66874	7.06606	6.94725	6.13865	6.64679	6.70712
TIGD6	7.01482	7.08759	7.04997	6.48155	7.24668	6.79032	7.09586	6.63521	6.67201
CSF1R	7.71145	7.71004	7.91037	7.3156	6.61651	7.74393	7.72946	7.37893	7.68116

CAMK2A	6.10101	6.03958	5.95271	6.09193	6.72124	6.17894	6.10307	6.39077	6.25159
RPS14	7.72061	7.61321	7.77793	7.7795	7.73839	7.69599	7.86375	6.8966	7.33382
RBM22	7.91996	7.81007	7.67326	7.48515	6.23851	7.34127	7.77622	7.48055	7.62191
DCTN4	9.07484	8.93506	9.06004	8.65893	7.71712	8.89284	8.82064	9.13874	8.7718
ZNF300	5.86683	6.19586	5.55767	6.17897	5.35065	5.98248	5.58684	5.70022	6.02717
ZNF300P1	4.88802	5.11041	5.4416	6.22686	4.96263	5.885	5.50852	5.85559	7.10254
TNIP1	7.02864	7.33043	7.16335	7.39564	6.62444	9.08852	8.20794	8.35473	8.23185
ANXA6	8.959	9.01464	9.44737	8.90106	7.6491	8.19169	8.05948	8.19826	8.42685
CCDC69	6.1111	5.91	6.57736	6.42184	6.00753	6.61178	6.73877	6.71437	6.70603
FAT2	9.96058	9.39816	9.5462	8.63567	5.89868	7.54777	9.20056	8.0657	8.07431
ATOX1	7.66939	7.72905	7.93978	7.31598	7.37673	7.20362	7.35081	7.75139	7.11576
NMUR2	4.89909	4.82777	4.78648	5.13075	6.11151	5.56132	5.15548	4.82129	5.09788
SAP30L-AS1	5.38837	5.74025	5.81759	5.0699	5.8794	5.13608	5.33496	5.37015	4.95571
HAND1	5.65572	5.86979	5.82679	6.51824	6.99765	6.93961	6.27257	6.73767	6.42771
FAXDC2	7.95232	7.21245	8.11514	5.73637	6.1992	5.87471	5.25796	5.86485	6.41882
GEMIN5	7.87561	8.05407	8.11913	7.71316	6.64803	6.91103	7.73173	6.97916	7.06962
timd4	3.95813	3.94712	3.92964	4.38927	4.77442	4.26381	4.2606	3.9366	4.15101
HAVCR1	4.19721	4.40431	4.32348	3.7039	4.56591	4.25874	4.03077	4.13204	3.95921
HAVCR2	5.44348	4.81578	6.02431	5.45055	5.89859	5.36884	5.46597	5.18477	5.391
MED7	5.42889	5.53506	5.36044	5.78237	5.39763	5.46345	5.8926	5.48445	5.67943
FNDC9	5.30781	5.632	5.52964	6.3062	6.32169	6.33102	5.76968	6.04793	6.12488
ADAM19	7.15015	7.09826	6.87231	7.43787	6.85473	6.86251	6.77009	6.70609	6.89319
SOX30	5.29721	5.17927	5.46762	5.56174	7.03708	5.88057	5.38283	5.53685	5.65346
CLINT1	10.7515	10.4635	10.134	9.99252	7.8155	9.77773	9.81521	10.3606	9.97783
EBF1	8.2605	8.16139	9.00876	6.80866	6.55099	6.35076	6.32042	6.22461	6.61525
RNF145	8.03096	8.05944	7.89965	9.04086	7.30113	8.77715	9.01067	8.19864	8.69846

LOC285627	3.73427	3.68058	3.66051	3.598	4.68785	4.09199	3.50911	4.21164	3.63551
PWWP2A	6.42623	6.78328	6.48187	6.39995	4.98212	6.23718	6.06455	5.66543	5.97445
ccnjl	6.11064	5.87583	5.82875	6.88289	6.51995	6.65265	6.44898	6.44007	6.47467
C1QTNF2	5.89959	5.23419	5.89106	5.87335	5.43438	5.13788	6.08123	5.20114	5.46008
ZBED8	4.94469	4.86852	4.60035	3.64371	4.64585	4.11147	4.31975	3.92476	3.79394
SLU7	7.90832	7.77085	7.72171	7.02091	6.26215	8.20794	7.64562	7.71909	7.00922
LOC285629	5.8082	5.93476	5.59817	6.63209	5.80143	4.0717	5.58755	4.89849	4.9773
NUDCD2	6.30822	6.96859	6.35063	6.009	4.40144	6.0311	7.06662	5.49153	5.56521
PANK3	10.1109	10.4256	10.6247	9.96686	7.68755	9.18074	10.1511	9.41506	9.93059
SLIT3	9.18599	8.44545	9.42179	6.7324	6.70526	6.70223	7.57995	6.90873	6.88016
Mir218-2	5.40277	4.9609	4.5687	5.42059	4.9912	5.38783	4.45027	4.76591	5.06119
MIR585	5.911	5.97787	5.94451	6.13222	6.49924	6.52996	5.75407	6.00328	6.37721
LCP2	7.0018	6.92362	7.41974	6.95573	6.71836	8.14334	6.79985	7.68537	7.92136
MIR3912	1.88271	2.16694	1.89897	2.1864	1.88005	2.36642	2.17747	1.89692	2.00128
FBXW11	8.12219	7.68598	7.94271	7.93676	6.33348	8.5098	8.11602	8.6967	8.32176
STK10	8.67661	8.73585	8.12579	7.89273	6.70573	8.39821	7.56658	7.46996	7.63967
UBTD2	7.84857	7.58984	7.56862	7.75667	6.50294	8.81085	8.24348	7.84759	8.1964
SH3PXD2B	8.58997	7.99581	8.81064	7.80632	7.05406	8.04375	8.23146	7.92219	8.13817
DUSP1	11.9558	9.87318	10.4339	11.2175	10.0773	11.743	11.1443	11.1228	10.7431
NKX2-5	4.88398	4.95502	5.2036	6.65645	5.5015	5.86139	6.18554	5.96069	6.0708
STC2	5.80115	6.38469	6.44443	6.02094	6.74226	6.91761	5.72886	6.74435	6.05006
BOD1	6.92987	7.05662	7.2007	6.58831	5.46237	5.60691	6.24567	6.00508	6.28794
FLJ16171	4.1221	4.3032	4.90603	4.5722	6.14173	4.70744	4.03201	4.65616	4.37881
DRD1	5.41103	5.88831	5.79946	5.80909	6.433	6.12041	5.57507	6.24051	5.92848
KIAA1191	8.82643	8.74798	8.75462	8.34388	7.76806	9.13393	8.92354	9.33121	8.81813
NOP16	7.45199	7.17844	7.54558	7.68174	5.67362	7.32674	7.61156	6.3842	7.44856

RNF44	7.32248	7.26235	7.42942	7.55877	7.18275	7.31515	7.82963	7.25445	7.45702
GPRIN1	6.15826	6.03755	6.00071	7.3875	6.23185	8.27673	7.91454	7.34905	7.7342
HK3	4.68788	4.70595	4.89778	4.86345	5.10437	5.47895	4.89836	5.22561	5.25852
UIMC1	7.49226	7.62287	7.57367	6.76085	5.29317	6.20322	7.36943	7.04114	6.95453
PFN3	5.36888	5.96799	5.42372	6.72273	6.28304	6.93635	6.35111	6.49541	6.052
F12	6.35723	6.51229	6.40347	7.31727	6.83289	7.20895	7.07284	6.90884	6.97816
PRR7-AS1	5.70268	5.66286	5.7083	5.80103	6.43057	5.87516	5.42179	5.62166	5.81646
DBN1	6.73802	6.65448	7.0754	7.05983	6.81164	7.3523	6.96431	7.48929	7.55229
PDLIM7	7.05017	6.67419	6.88963	8.11924	7.28213	8.10055	8.24891	8.38965	8.568
DOK3	6.39586	6.36688	6.5466	6.88122	6.48802	6.98521	7.01846	6.99667	6.8882
DDX41	8.86534	8.80957	9.07716	9.14439	7.71481	9.22897	9.52233	8.77303	9.09957
LOC202181	7.99428	8.02852	8.22299	6.69751	6.19998	6.25125	6.19173	5.99682	6.63839
prop1	6.02517	5.79511	5.63509	6.71886	7.12099	6.405	6.00153	6.04613	6.04151
LOC100507387	3.89581	3.56493	3.90768	3.67113	4.28711	4.19754	4.20285	4.0611	3.93607
nhp2	7.77743	7.77491	8.05431	8.93246	6.18701	8.05455	8.8464	7.46684	7.7826
GMCL1P1	3.03797	3.57703	3.87906	3.77732	3.96591	4.40001	4.80987	4.27664	3.40885
PHYKPL	7.16816	7.56823	6.93303	6.62264	5.34889	6.30838	7.16249	6.67375	7.15197
CLK4	8.26336	8.68838	8.14857	7.08169	6.13994	6.51892	6.55813	7.101	6.70104
ZNF354A	7.02845	7.34253	6.86885	6.63999	6.94402	5.51878	7.22049	6.03869	6.27012
AACSP1	5.9211	5.91279	6.30248	5.98815	6.08343	6.14235	5.55323	5.64577	5.92916
HNRNPH1	8.58626	8.7518	8.16799	7.94079	5.99538	7.63697	7.89031	7.69941	7.82747
C5orf60	5.31077	4.9832	4.77939	5.64519	6.37785	5.79889	5.64797	5.52425	5.57024
CBY3	5.10094	5.17692	5.20933	6.0684	5.34574	6.07044	5.96172	5.68946	5.12716
MIR1229	6.80267	6.46966	6.41589	7.23182	8.67409	6.86586	7.40813	6.60835	7.41309
MRNIP	6.3754	6.50192	6.4154	6.25418	6.11861	6.8089	6.36403	6.52503	6.26707
RNF130	7.33486	7.0301	7.66957	6.55022	5.71998	6.24535	7.02846	6.48703	6.61828

MIR340	5.37423	5.11281	5.27892	4.2726	5.29732	5.00714	4.23557	4.35942	4.75062
MAPK9	7.9418	7.89177	8.1414	7.53535	7.00858	7.00536	7.71762	7.84075	7.51372
GFPT2	6.55019	6.38289	7.20785	6.87417	7.52408	7.35211	7.06785	7.68992	7.31907
FLT4	5.97937	5.81516	5.89385	6.26057	6.11404	6.13411	6.02888	6.32731	5.96535
HEIH	6.02018	6.0287	6.20494	5.53817	5.33669	6.41187	5.67676	5.64831	5.44368
ZFP62	7.10316	7.8219	7.24352	6.24018	5.42118	6.01055	6.61701	5.80943	6.10539
TRIM7	6.98186	7.027	6.81747	6.27669	5.57518	6.60521	6.89306	6.10502	6.17778
MIR4638	7.9524	7.75653	8.03416	7.88738	8.15231	7.94149	8.02867	8.065	8.08219
TRIM52	6.62822	6.89414	6.87844	5.87366	5.49896	5.67368	5.81363	5.61412	5.48069
DUSP22	8.8417	8.93702	8.73348	8.85817	8.35199	9.28573	9.25126	9.22256	9.33794
IRF4	5.63181	5.97926	5.65446	5.58944	5.80583	6.24284	5.91299	5.65474	5.52968
FOXQ1	7.25367	7.19281	7.48597	7.18811	5.9213	9.61064	7.80807	6.5244	8.8513
FOXF2	6.32299	6.06707	6.26398	6.58607	6.59274	6.63457	7.64833	6.09575	6.63692
FOXC1	8.92751	8.63243	9.66316	8.68432	7.17536	8.67474	8.83346	8.67829	8.35402
GMDS-AS1	6.51474	6.29624	6.41465	5.39024	6.49207	5.49079	5.36709	5.33457	5.21114
WRNIP1	8.45712	8.53244	8.44298	8.70519	6.65398	8.51682	9.01466	8.21195	8.53514
RIPK1	8.71878	8.89326	8.74312	8.2623	6.4534	8.45334	8.87797	8.14567	9.05101
PRPF4B	8.97889	9.05617	9.15034	7.81346	6.12447	6.83124	7.88954	7.98196	7.8572
C6orf201	5.07424	4.47711	4.99756	5.2025	5.43403	5.49537	5.25309	5.71234	4.93083
LY86	6.31899	5.97109	6.83965	6.5053	7.01923	5.88053	6.33742	5.62574	6.11826
RREB1	9.33116	8.57366	9.0399	8.60688	7.15989	9.20236	9.02822	8.76772	9.162
RIOK1	8.02106	7.95903	8.29438	7.84032	5.71261	6.91243	8.02123	7.23796	7.46999
DSP	13.3586	13.3834	13.3594	13.072	11.9012	13.1754	13.1183	13.18	13.3525
SNRNP48	7.53627	7.32884	7.77825	6.56961	5.34417	6.10641	7.12932	8.17959	6.82426
BMP6	6.46005	5.71476	6.61087	5.9354	5.61774	6.82471	6.38281	6.76177	6.12371
LOC100506207	6.18233	6.46982	5.94782	4.99171	6.25354	5.15094	5.36976	5.26292	4.71042

HULC	5.87926	6.50099	6.31855	5.14608	5.11117	4.71406	4.70912	3.95451	5.0228
TFAP2A-AS1	5.72069	5.22572	5.64116	5.95611	5.98666	5.935	6.0645	6.51736	5.93846
PAK1IP1	9.37076	8.87553	9.38292	8.84194	5.60016	7.70272	9.20593	7.46084	8.00474
TMEM14C	8.91774	8.81986	9.18008	8.73699	8.24218	8.14848	8.72285	8.6814	8.69472
TMEM14B	7.03878	6.93716	7.42407	6.36172	6.41508	6.07181	6.52698	6.18694	6.09005
SYCP2L	4.87809	5.53889	5.14726	4.36776	5.29288	5.00949	4.77989	4.501	4.57307
ELOVL2-AS1	4.82578	4.75089	4.49471	4.89918	6.01464	4.8919	4.92794	5.01924	5.05795
SMIM13	7.36086	7.40361	7.38432	7.68716	6.14508	6.72875	7.64446	7.73729	7.54521
tmem170b	5.54744	6.21317	5.87191	5.95268	5.05218	5.82684	5.72214	5.63589	5.14154
hivep1	8.70038	8.50564	8.51738	7.8436	6.13415	7.24291	7.67063	7.85647	8.75828
EDN1	7.84865	6.68746	8.07478	7.68581	6.52703	8.01747	6.69332	9.02907	8.0438
PHACTR1	5.90689	5.92449	6.19376	5.89484	6.24882	5.47296	6.19046	6.00461	6.1239
GFOD1	5.24451	5.45134	5.59588	6.97689	6.33252	6.73518	7.13804	5.69994	6.42288
SIRT5	6.2495	6.48135	6.09222	5.74564	5.30239	6.07053	6.3868	5.63668	6.08082
RNF182	5.27979	5.18874	5.04598	5.86367	6.59172	5.6794	5.6348	5.6853	5.49606
CD83	6.90853	6.7114	6.46986	6.62608	6.79781	7.86304	6.82995	7.19278	7.11902
MYLIP	8.29679	8.24505	8.33763	6.65976	5.84183	6.63478	7.55439	6.90923	6.61676
GMPR	7.38403	6.65415	7.61098	6.29886	5.97286	6.03695	6.54518	6.21852	5.90856
STMND1	3.579	4.61918	3.9085	4.61252	5.49448	4.38807	4.33624	4.34096	4.21128
RBM24	4.19269	4.40322	4.89447	4.54851	4.63933	4.56717	4.34179	4.7064	4.10746
KDM1B	8.20507	7.96591	7.93457	8.26672	6.89996	8.6627	8.79034	8.81332	8.925
RNF144B	8.78637	8.54887	8.9595	8.17639	6.90887	8.92365	9.05812	8.09978	8.97372
MIR548A1	3.88913	3.52361	4.05831	3.85172	4.27603	3.08234	2.41817	4.11477	3.42653
E2F3	6.97628	6.75963	6.68763	7.3231	6.31561	7.55386	7.4785	7.13712	7.01038
CDKAL1	9.22382	8.97663	9.29537	7.41576	5.92123	6.6474	7.50338	6.91841	7.44048
SOX4	8.1707	8.08735	7.51775	8.25716	6.48274	8.04839	8.07087	7.33295	7.08241

CASC15	5.58333	4.98534	5.10959	5.26181	5.08734	5.03698	5.1823	5.13006	5.06631
HDGFL1	5.4041	5.32277	5.40793	6.56932	6.28915	6.5531	5.97671	6.22408	5.86035
NRSN1	4.48099	4.60563	4.26368	4.80967	5.59784	4.66957	4.47966	4.4143	4.84838
KAAG1	5.41108	5.84923	5.79739	6.43709	5.75778	6.85501	5.73206	6.74704	6.27986
MRS2	7.96695	7.95102	8.15967	7.87835	6.85517	7.78955	8.38827	8.22549	8.35206
ACOT13	8.64224	8.09137	7.79893	8.17327	6.95745	7.12807	8.38984	8.20894	8.45833
CARMIL1	9.68877	9.67056	9.7566	9.22811	7.21859	9.09611	9.30878	9.69304	9.50551
TRIM38	9.18353	9.11581	8.74755	8.29044	6.06441	6.64856	8.014	7.77789	8.1327
HFE	5.78719	6.01672	5.57964	6.01846	5.86085	5.52026	5.84865	5.50634	5.61225
HCG11	6.24561	5.86754	5.92988	5.90576	4.21106	4.25004	6.17688	5.17447	5.59227
HMGN4	8.1533	7.63464	8.09126	7.64354	6.20564	6.79675	7.71688	7.29987	7.51139
ABT1	8.32548	7.89648	8.45969	7.68294	6.52821	7.81439	8.68277	8.04549	8.16975
LINC00240	5.09722	5.22227	4.68551	4.60059	6.68998	4.48519	5.09457	4.11959	5.11053
MIR3143	7.30698	7.655	7.40957	8.33867	8.72675	8.22755	8.52916	8.08602	7.89316
VN1R10P	3.28442	3.27622	3.46411	3.28537	6.03111	3.30228	3.42968	3.50358	3.27682
ZNF391	6.01407	6.73292	5.87804	4.96987	6.11127	5.09752	5.79829	5.65741	5.42151
LINC01012	4.87577	4.92688	4.927	4.79775	5.16217	4.89023	5.02359	4.79679	4.87098
LOC100131289	6.05946	6.28655	5.76821	5.92462	6.31161	5.75783	5.71582	5.79672	5.72062
ZNF165	5.20118	4.04865	4.53436	6.15458	4.79889	7.38609	5.33415	5.91986	7.37351
ZSCAN12P1	4.93381	4.54898	4.83969	5.76943	5.57699	5.99294	5.37395	5.84105	6.21916
ZSCAN16	6.02202	6.21005	6.27456	5.49206	5.29878	4.9106	5.2617	4.96287	5.01305
ZKSCAN8	7.32226	7.75022	8.04197	5.65023	5.07356	5.36425	5.77477	5.66513	5.66429
ZSCAN9	5.61798	5.88794	6.23158	5.63636	6.05252	5.33019	5.64349	5.60762	5.34527
NKAPL	5.42782	5.28349	5.67415	6.15281	6.19644	6.09045	6.46164	6.01235	5.99153
ZSCAN26	7.5784	7.67819	7.65724	6.13255	6.32123	5.63629	6.73756	6.17473	6.66003
PGBD1	5.28381	5.91125	5.81011	5.70083	5.48189	6.11121	5.78703	6.02777	5.84043

ZKSCAN3	6.41978	6.65695	6.26468	5.88572	6.33983	5.94186	6.09985	5.86037	6.45012
LOC100129636	4.55311	4.49473	4.66793	4.84372	5.84141	4.53936	4.73967	4.61231	4.73915
LINC01015	4.97843	4.77495	4.47878	5.03851	5.25818	4.97327	5.09919	4.87844	4.88629
HCG9	6.40907	6.28876	6.68174	6.64028	7.33176	6.65548	6.36422	6.69551	6.84948
ZNRD1	6.81086	6.80032	6.90801	7.16157	7.07471	7.62377	7.79755	7.94847	7.6759
TRIM40	6.13815	6.24185	6.23778	6.2806	7.06568	6.46929	5.89325	6.33672	6.7422
TRIM15	6.18308	5.8268	6.03421	6.26435	6.64297	6.02074	6.33016	6.7477	6.63443
RPP21	9.70952	9.58534	9.66292	10.5641	8.23133	9.68073	10.5109	9.46716	9.55154
PRR3	6.71445	6.98686	7.16158	6.51424	7.24832	6.32448	6.63351	6.11123	6.09388
Mir877	7.16331	7.30323	7.10523	7.90333	8.44967	8.30218	7.47578	8.10838	7.74061
MRPS18B	7.62345	8.23416	7.76124	7.66587	6.54048	7.03139	8.02714	6.94836	7.2246
ATAT1	8.12854	8.10911	7.76145	7.02769	6.87483	6.44577	6.62368	6.61736	7.16844
C6orf136	7.86187	7.89196	8.07504	7.74073	7.72352	7.47709	8.10461	7.52084	7.58758
IER3	6.40528	5.98334	5.89916	6.98806	6.53236	7.93594	7.60669	7.11749	7.45376
DPCR1	4.97884	5.39665	4.87421	5.46955	6.47233	5.7635	5.31535	5.55685	5.6996
MUC22	5.62295	5.82165	5.44382	5.45182	5.63376	5.77505	5.39414	5.54203	5.51021
HCG22	5.17224	4.61656	4.92755	5.09368	5.73259	5.66899	5.31186	5.51248	6.03596
TCF19	6.85584	6.92	6.97276	6.88407	7.17438	7.6345	6.72896	7.38239	7.29715
MICA	8.09423	7.59835	8.67583	7.70608	7.28035	7.3765	8.25191	7.90258	7.68252
HCG26	2.87149	5.31878	4.46615	3.41069	2.44116	3.69411	3.28921	3.01627	2.90227
MICB	7.23327	7.16026	7.38345	7.41443	7.21974	6.88709	7.39944	7.53903	7.23046
MCCD1	6.64336	6.51214	6.67822	7.03686	7.34278	6.86501	6.9903	6.96876	6.84301
NFKBIL1	6.10412	6.5608	6.02028	6.49134	6.79156	7.02409	6.68301	6.68261	6.43077
TNF	6.7665	6.86151	6.53765	6.75221	6.93357	7.99633	7.23596	7.55682	7.73439
LST1	6.60547	6.55624	6.81808	6.84166	7.41635	6.95711	6.64053	7.0825	6.91858
AIF1	6.05387	5.87199	6.26966	6.01498	5.26844	5.75925	6.2018	5.62979	5.94578

PRRC2A	8.82803	8.51524	8.54133	8.82555	7.31127	8.13436	8.88521	8.28669	8.63591
APOM	6.32767	6.26543	6.17311	6.03837	6.56476	6.46488	6.50482	6.01579	6.3927
C6orf47	6.06219	6.09023	5.91765	6.96747	7.0049	7.19696	6.8213	6.67175	6.7423
C6orf25	6.08159	5.98207	6.01699	6.22738	5.88946	6.71959	6.50296	6.19217	6.38573
SAPCD1	7.23232	7.93971	7.53807	6.40726	7.54828	6.73538	5.48876	6.69205	5.86415
HSPA1A	10.7022	9.89915	9.86182	9.87872	8.50747	10.7905	10.3334	10.4961	10.5803
hspa1b	10.4016	9.58975	9.63763	9.75864	8.17509	10.6207	10.1844	10.2163	10.3448
C2	6.07751	5.99519	6.28299	6.2444	6.29805	6.26412	6.20955	6.20955	6.1144
CFB	6.73514	6.35358	6.66251	6.54644	6.7808	6.81918	6.55548	6.42157	6.59532
SKIV2L	7.70832	7.53059	7.55887	7.80957	7.46953	7.56948	7.65577	7.45863	7.71351
STK19	7.19498	7.41907	7.07752	7.19072	6.98443	7.67609	7.55529	7.22366	7.19321
c4a	6.63959	6.48935	6.62941	6.69858	6.89915	6.69422	6.5781	6.68357	6.60549
c4b	6.60199	6.48862	6.62179	6.72362	6.94001	6.68297	6.57437	6.64224	6.6304
LOC100294145	6.68992	7.44106	6.96679	6.75843	6.15989	6.60419	6.81704	6.34671	6.54981
BRD2	7.92643	7.08028	7.42526	7.66468	6.71609	6.991	7.65215	7.7065	7.5172
HSD17B8	7.23358	7.30219	7.22957	7.1574	7.07442	7.15369	7.36625	6.59775	7.23441
MIR219A1	4.39653	4.35604	4.70383	5.55135	4.53433	5.38291	5.41084	5.1005	5.0609
ring1	8.69061	8.53388	8.44186	8.87012	8.03011	8.69081	9.14527	8.78627	8.66208
PFDN6	7.21244	7.46379	7.30667	7.34131	6.55771	7.09151	7.54767	7.26695	7.3891
KIFC1	7.11153	6.82189	6.96581	7.55618	7.08694	7.15132	7.11324	7.26349	7.21828
PHF1	7.63796	7.54418	7.61861	7.45618	7.6405	7.56808	7.24356	7.60466	7.58082
SYNGAP1	7.46088	7.29193	7.23632	6.99306	7.69267	6.80246	6.88727	7.06325	7.13263
ZBTB9	7.33463	7.33024	7.30881	7.33024	7.04439	6.79704	7.38989	6.42789	6.76912
GGNBP1	5.24758	5.07006	5.08737	5.70833	5.99434	5.82809	5.35105	6.02299	5.80411
MIR3934	7.60601	7.59729	8.05589	5.6402	7.36222	5.53802	5.67741	7.39833	7.24319
HMGA1	8.77035	8.41883	8.64438	9.14732	8.42371	9.51156	8.79069	9.43582	8.99559

PACSLIN1	6.07058	5.98836	5.75882	6.28969	6.62146	7.02456	6.17837	6.97146	6.34338
SNRPC	6.45412	6.59656	6.57636	7.63743	6.29919	6.59496	7.61165	6.60318	6.74653
UHRF1BP1	7.27359	7.06027	7.34475	6.52544	6.84758	6.54081	7.96992	7.17887	7.25548
ANKS1A	8.7712	8.36301	8.51098	8.42461	6.84429	7.88867	8.70956	8.53215	8.49201
ZNF76	7.05994	7.10002	6.97974	6.5621	6.57093	6.81443	6.74205	7.01199	6.39063
DEF6	7.59404	7.39993	7.66084	6.52117	6.1506	7.16798	6.85945	6.23908	6.70852
PPARD	9.59898	8.84764	9.38561	10.2048	9.73797	11.5202	10.2962	11.0396	11.2116
RPL10A	9.67207	9.44517	9.8298	9.6922	8.95294	9.79354	9.83904	8.92372	9.24922
ARMC12	5.09486	5.26753	5.4951	5.61916	6.20567	5.95613	5.03793	5.75368	5.67638
CLPSL2	5.64133	5.54405	5.73087	6.15648	5.98517	6.66451	5.94655	6.32107	6.18982
CLPSL1	5.35313	5.45723	5.59626	6.22775	6.80505	6.42712	6.13658	6.15305	6.07908
LHFPL5	5.39704	5.89118	5.22687	6.31952	5.82141	6.58356	6.11893	5.80273	5.77799
MAPK14	9.75782	9.67544	9.80877	9.05473	7.63475	9.99149	9.34528	9.71148	9.77502
mapk13	9.14464	8.73792	8.64825	10.0749	8.63691	10.735	10.1868	9.16982	10.2521
PNPLA1	8.87899	8.38541	7.86344	8.13579	6.73175	7.82635	7.47092	6.93006	8.12783
KCTD20	8.46841	8.4234	8.25802	7.86169	6.01621	7.72346	7.76424	8.23659	8.50881
PI16	8.75506	7.32198	8.39423	7.17596	7.39105	6.72262	7.05334	6.69608	7.02854
SRSF3	10.7825	10.2903	10.5386	10.3496	9.78097	10.8145	10.5506	10.521	10.3973
C6orf89	8.01027	8.35649	8.0216	8.17356	6.20335	8.43947	8.6477	8.43652	8.29431
PIM1	9.84769	8.82345	9.10493	10.0233	9.55924	10.9996	9.79686	10.1073	9.93772
CMTR1	7.63664	7.66584	7.35774	7.12721	6.16766	6.42785	7.30341	6.65822	6.93922
GLP1R	6.19859	6.0574	6.08859	6.35883	6.75579	6.55316	6.28555	6.14961	6.4113
DAAM2	6.50281	6.42135	6.6292	6.13351	6.00885	6.10098	6.26979	5.95922	5.9477
TSPO2	5.82905	5.82122	5.9248	6.32572	6.76937	6.1322	5.76483	6.2224	6.14518
ADCY10P1	6.63081	6.30335	5.79387	5.44713	6.13258	5.50658	5.12368	5.78482	5.89917
TREML4	4.67395	5.41099	5.00202	5.91426	5.48243	5.17893	5.61786	5.691	5.60621

NCR2	6.19342	6.47246	6.48856	6.68578	7.4072	6.8888	6.44073	6.62816	6.78348
FOXP4	7.24302	7.21528	7.30763	7.89123	7.41391	7.70491	8.07776	7.70706	7.55898
MDFI	6.35351	6.06381	6.2887	7.6784	6.33898	7.61655	7.8616	7.48957	7.99617
PRICKLE4	6.50739	6.15596	6.25124	5.76349	6.08286	5.92934	6.0549	6.2184	5.74745
tomm6	10.2547	10.1398	10.3701	10.1579	9.31948	9.56212	10.611	9.17877	10.0419
BYSL	6.93829	7.04312	6.98353	7.52355	6.11549	7.09928	7.72391	6.77119	6.82163
GUCA1A	6.53475	5.93607	6.31837	6.55742	6.33237	6.83504	6.40577	6.81646	6.44883
UBR2	9.79391	9.91422	9.78787	8.62022	6.0138	7.73146	9.10236	8.70725	8.6292
GLTSCR1L	8.72911	8.7197	8.7178	7.28169	6.54805	6.95007	7.80319	7.03514	7.10328
RPL7L1	7.50378	7.4765	7.25334	7.73188	7.35419	7.33003	7.48302	7.09123	7.25796
PTCRA	6.75175	6.59366	6.88023	7.51579	8.17758	7.75146	7.35651	7.58013	7.19278
CNPY3	8.2113	8.217	8.4037	8.14573	6.27289	7.88808	8.20505	7.25375	7.84144
GNMT	5.44002	5.70416	5.52496	6.22758	5.84325	5.83947	5.66218	5.64602	6.17328
KLHDC3	9.00964	8.82183	8.85102	9.26821	7.45986	8.66479	9.39201	8.89082	8.73835
RRP36	8.58869	8.50379	8.64737	9.07964	6.62289	8.68115	9.54214	8.58529	9.05167
KLC4	6.01033	6.03568	6.18224	5.99829	5.88081	6.26292	5.98879	5.99161	6.05737
PTK7	7.52319	7.37465	7.0831	7.40847	6.51263	7.3836	7.77178	7.30771	7.2497
SRF	8.74329	8.8453	8.57392	10.0619	7.78028	9.45401	9.6218	9.22997	9.93228
CUL9	7.94642	8.0127	7.83117	6.913	6.96637	6.87586	7.12903	6.72045	6.87347
TTBK1	5.83985	6.05692	5.86968	6.52418	6.92028	6.41806	6.57883	6.29538	6.61661
TJAP1	6.68435	6.75893	7.12176	5.8574	5.80203	5.90376	6.34297	6.15041	6.10556
MAD2L1BP	7.38438	7.30639	7.17005	7.66168	7.32085	7.42453	7.97012	7.2092	7.5819
RSPH9	4.76831	5.30766	5.36771	6.18698	5.75278	6.05158	5.88615	6.15293	6.01659
VEGFA	7.27408	7.31023	7.41742	7.95708	8.51999	9.61048	7.9794	8.94237	8.43612
LINC01512	5.50847	5.6631	5.44397	5.82707	7.92381	5.4494	5.83435	6.0276	6.23584
C6orf223	5.98164	6.01113	6.13893	6.43033	5.92019	6.55856	6.3981	6.16118	6.33243

TMEM63B	8.55577	8.57777	8.29818	8.66872	7.59432	8.64107	8.70105	8.6033	8.96053
CAPN11	5.33807	5.28906	5.21126	5.38878	6.00813	5.29108	5.14256	5.53133	5.3268
TMEM151B	5.5631	5.74607	5.78128	6.25689	6.33931	6.50856	5.74252	6.15911	5.88437
CDC5L	8.88468	9.14263	8.97046	8.64275	5.98399	8.1323	8.83197	8.30085	8.51803
MIR4642	5.90984	6.31899	6.08657	6.61792	7.06054	5.98467	6.3275	6.09935	6.04536
RUNX2	7.08162	6.12981	6.90576	6.50703	6.44303	5.94031	6.44476	5.78561	5.89233
ENPP4	5.7142	5.47831	6.66728	4.84347	5.3879	5.57388	4.83071	5.03755	5.48384
TDRD6	5.54686	5.72805	5.5343	5.79688	5.614	5.63672	5.7627	5.59591	5.6166
ANKRD66	5.03796	4.69802	4.72799	5.2783	6.16825	5.81571	5.67334	4.48462	4.96042
CD2AP	10.1926	10.0802	10.1392	9.62886	8.1062	10.1434	10.0609	10.6165	10.508
ADGRF2	7.27532	7.57678	7.38887	6.48467	7.11356	6.63045	7.46454	8.66279	6.63777
ADGRF4	9.67436	10.0222	9.12067	9.17089	7.25328	9.39799	9.38223	8.70906	9.25718
OPN5	5.53139	5.02948	4.87198	5.08865	6.63927	5.60559	4.65231	6.17284	5.07005
CENPQ	6.41196	6.17646	6.41892	6.13181	4.37317	5.91874	6.45077	5.55813	5.6759
GLYATL3	4.59471	4.89457	4.84232	5.4732	5.94003	4.72258	4.51204	4.54569	4.49064
C6orf141	6.32992	5.4589	5.88084	6.70736	5.30026	6.61754	6.45875	7.22411	7.09496
TFAP2D	4.1791	4.22319	4.05861	4.78303	5.52217	5.01541	4.64015	4.49401	4.81837
TFAP2B	8.09348	9.18605	7.7608	6.26842	6.20854	5.87252	5.85174	5.52567	5.80174
MIR206	5.12223	5.17451	5.14951	5.19884	6.86263	5.87323	5.41445	5.67858	5.08597
mir133b	6.15003	6.38709	6.50405	6.92049	6.44243	7.18843	6.64324	6.90807	6.70581
IL17A	4.58406	4.63295	4.41074	4.98591	5.86165	5.7408	4.96216	4.76182	4.6131
PAQR8	5.54155	5.50022	5.73967	5.30534	6.04883	5.96798	5.14685	6.0949	5.43477
EFHC1	8.13445	7.60047	7.68966	6.98377	6.8199	6.30699	6.37319	6.71083	6.58043
LOC730101	5.56886	5.55142	5.27081	5.81178	6.08934	5.6869	5.52724	5.59419	5.56457
TMEM14A	8.0783	8.17769	8.13909	8.62088	6.78558	7.7738	8.75234	8.04508	8.15251
FBXO9	7.95248	8.2821	8.09872	7.42651	6.22553	6.59139	7.63917	7.10141	6.79094

LRRC1	9.27684	8.79086	9.35523	8.19851	6.18319	8.66731	8.86522	8.8542	8.24381
MLIP	6.33272	6.41735	6.11411	6.38564	6.91188	7.12945	6.34086	5.91067	6.63114
MLIP-IT1	7.67304	7.84082	7.75588	5.97414	5.16483	6.43574	6.24992	6.05162	7.8268
TINAG	3.60853	3.83247	3.56833	3.76919	4.71833	3.68126	4.13959	3.85594	3.86434
HCRTR2	5.0947	5.59823	5.64639	5.78122	5.92102	5.66407	5.61324	6.07905	6.04174
GFRAL	3.97836	4.22344	3.89406	4.48772	4.79087	4.40707	4.20666	4.19886	4.23499
BEND6	6.18045	5.66416	5.62869	5.64579	5.19071	5.40423	5.73066	5.39566	5.0652
KIAA1586	8.09856	7.7475	7.93171	7.12054	5.61561	6.78275	7.50922	6.65446	6.6287
ZNF451	7.13573	7.02988	6.92916	6.32653	4.91875	5.86527	6.44626	6.43314	6.10199
BAG2	6.00997	5.86861	6.16421	6.75288	6.07194	6.02834	6.11785	6.04152	6.1926
PHF3	8.71049	9.24393	8.84875	6.64313	4.80314	6.33561	7.39933	6.99164	6.23807
ADGRB3	4.51211	4.33548	4.31632	4.27119	4.98573	5.62927	4.42943	4.29357	4.31189
SDHAF4	6.57254	6.41938	6.47397	6.56391	5.6065	5.88493	6.57223	5.71871	5.91996
SMAP1	8.67491	8.6052	8.71987	8.68005	8.27792	9.49308	8.92202	8.9668	9.08224
OGFRL1	9.94205	9.89108	10.4822	8.56736	6.78058	8.24928	9.44878	9.01274	8.79412
RIMS1	4.94645	5.09096	4.94706	4.7198	5.45026	5.1316	4.37323	5.00379	4.77772
Ddx43	3.26979	5.9694	4.03494	5.05198	4.53652	4.67645	4.86983	3.63305	5.4321
mto1	7.70112	7.35346	7.52068	7.27317	5.84516	6.37646	7.42727	6.51718	7.18382
CD109	9.17798	9.02772	9.56355	7.86101	5.2302	8.19579	9.13807	8.9749	8.58617
LOC100506804	5.54169	5.89738	5.96149	5.89349	5.93734	5.40804	5.98227	5.47995	5.66173
MIR4463	3.0713	2.74341	2.73815	3.42327	3.11774	3.21218	3.70262	3.37875	3.11781
SENP6	9.02075	9.4062	9.10101	7.52421	5.22018	7.24134	8.28974	7.30129	7.70865
MYO6	10.3373	10.6429	10.2351	10.0695	9.94754	10.4329	10.2446	11.5534	10.8705
IRAK1BP1	6.89793	6.36806	6.90754	5.45943	4.44667	5.05137	5.91855	4.77571	4.69545
HMGN3-AS1	5.49141	5.56689	5.68377	5.39745	5.19104	5.7829	5.78732	5.45352	5.29219
SH3BGRL2	8.78886	9.11872	8.81995	8.33668	7.00632	6.98623	7.56747	7.15208	7.17805

TTK	6.32004	5.83734	5.84689	6.25522	4.82041	5.71102	6.01184	5.72597	5.60001
TPBG	7.66472	6.91772	7.20391	7.7589	6.80505	7.36337	7.8087	7.20509	7.58505
DOPEY1	8.75406	8.89461	8.98348	7.61827	6.07779	7.07018	7.46571	7.4712	7.74624
RWDD2A	5.95808	5.62873	5.85815	5.12674	4.93758	4.94978	5.33472	5.00422	5.13832
RIPPLY2	5.51116	6.10161	5.50926	6.90321	7.42808	6.63026	5.89918	6.24828	6.34058
CYB5R4	7.68566	7.36485	8.21642	7.35538	6.04171	7.89525	8.33389	8.4339	7.965
MRAP2	5.33351	5.08901	6.10111	4.76023	5.73055	5.09747	4.75291	4.52319	4.70183
ZNF292	8.66202	8.63185	8.85627	7.12325	6.50932	8.30212	7.21685	8.30472	7.68417
SMIM8	7.27994	7.59611	7.12829	6.03679	5.00451	5.03035	6.76053	5.70339	5.69726
C6orf163	6.07556	6.08511	6.6436	5.02653	4.6956	4.84537	4.78371	4.24899	4.97829
LINC01590	5.2798	5.09033	5.13308	4.89142	5.17752	4.67217	4.35035	4.46233	5.04566
CFAP206	4.5116	4.20341	4.28895	4.31236	4.75247	5.04022	4.83706	4.75982	4.58636
SPACA1	4.99839	4.77059	4.90662	5.12969	6.10235	5.66137	5.4929	5.41955	5.34817
PNRC1	11.0728	10.7834	11.1076	10.754	11.0514	11.5222	11.0976	10.5379	10.9486
PM20D2	8.21891	8.32316	8.24981	6.80137	5.02229	6.21839	7.50795	6.26762	5.84539
ANKRD6	6.0053	6.78709	5.91978	5.49755	6.15248	5.99076	6.23572	6.02539	6.46727
CASP8AP2	7.44803	7.76135	7.45847	6.44908	5.48051	5.40548	6.50479	6.44967	6.12194
MIR4464	2.3476	2.64738	2.50781	2.82399	2.51685	2.77769	2.93779	2.70888	2.50658
MIR4643	2.57261	2.66258	2.14675	2.71226	2.65127	2.55101	3.27193	2.41336	2.6186
UFL1	9.28422	9.22713	9.39218	8.57723	6.15579	8.19781	8.57758	7.77546	8.28581
FHL5	7.15862	7.06244	8.10623	5.30889	5.38152	5.01657	4.968	4.77469	5.23246
klhl32	5.20607	5.12672	5.32821	5.37365	6.44705	5.30637	5.21631	5.60553	5.56641
MIR2113	5.976	6.11871	6.08167	5.9271	6.56466	5.47884	5.58086	6.0654	5.99466
POU3F2	6.45879	6.31225	6.11186	7.33643	6.87252	6.99257	6.80189	7.17803	6.81974
TSTD3	7.12335	6.79752	7.2657	5.25354	5.02964	4.87399	6.87189	4.29605	5.68799
PRDM13	4.907	4.65091	4.67452	5.6972	5.17387	5.41209	5.36413	5.38331	5.23832

MCHR2-AS1	5.02429	5.05732	4.68393	5.57377	5.7048	5.88415	5.45304	5.14135	5.3454
LIN28B	3.61885	3.81278	3.7257	4.37294	4.58519	4.25966	4.38405	4.35639	4.16802
BVES-AS1	4.1974	4.65117	4.38887	4.46056	5.43969	4.55499	4.08311	4.78275	4.23944
AIM1	10.3989	10.5735	9.78519	9.75653	7.32484	9.68066	9.84649	9.55945	9.8388
QRSL1	8.10664	8.0918	7.939	7.296	6.27608	6.83997	7.76352	6.71348	6.94658
MIR587	6.57786	6.77769	6.81547	6.64826	8.46772	6.9869	6.47857	7.4592	7.05439
C6orf203	6.68045	7.09053	7.18481	5.93175	5.79595	5.19622	6.42383	5.39015	5.65703
SOBP	6.55079	6.47175	6.78896	6.28299	6.79042	6.55987	6.30385	5.97439	6.12215
LACE1	6.18332	5.69655	5.88414	5.82536	5.32855	5.59598	5.88343	5.20543	5.67401
LINC00222	4.37216	4.8836	4.60838	4.79924	5.09942	4.7649	4.77638	4.73766	4.84503
ARMC2	6.60002	6.62401	6.47057	6.21214	6.44729	6.38695	6.16903	6.11441	5.82804
CEP57L1	5.36096	5.54704	5.51409	4.79017	4.71411	3.86235	4.94457	5.16359	4.37451
GPR6	7.17776	7.35793	7.34105	7.47491	8.2936	8.26875	7.45855	7.83569	7.61952
CDC40	7.78675	7.81706	8.00037	6.73783	6.02556	6.25212	7.25368	6.70067	6.38808
AMD1	9.71585	9.42301	9.91617	9.81036	6.94384	9.46071	10.1778	9.67682	9.91929
RPF2	8.45736	8.52303	8.86487	8.55526	5.63249	7.90681	8.65154	7.69197	8.43149
MFSD4B	8.65454	8.36672	8.00097	7.99113	6.75313	7.97339	7.9252	8.3947	7.95159
TRAF3IP2-AS1	6.10605	6.40046	6.2172	5.50248	6.37375	5.64214	5.51216	5.96929	5.90496
WISP3	6.53283	6.03161	6.88327	7.22518	7.65207	7.34174	7.79265	7.2431	5.56173
FAM229B	5.81129	6.14647	6.14176	5.13379	5.6189	5.34806	5.86783	5.54663	5.83151
RFPL4B	3.76421	4.02634	3.84822	3.79757	5.71764	4.06749	3.98308	4.27657	3.88547
MARCKS	8.44618	8.26747	8.07093	8.91246	7.43472	8.66962	9.38073	8.27434	8.91434
HDAC2	4.02251	3.92888	3.73911	3.76528	3.94849	4.29427	3.97715	3.59132	3.9072
TPI1P3	5.3916	5.33311	5.31619	6.39042	5.64318	6.70199	6.87542	6.55961	6.81584
NT5DC1	8.49695	8.10087	8.82746	7.25613	5.33929	7.36705	8.39381	6.30962	7.08624
DSE	5.98167	5.88762	5.86876	5.86354	5.85566	5.38757	6.15911	5.83303	6.08705

RWDD1	7.37249	7.86939	7.69656	7.19577	5.77346	6.85999	7.90238	7.38589	7.11029
RSPH4A	6.02701	6.35998	6.43954	5.68375	6.53583	5.55709	5.39956	5.26414	5.53009
KPNA5	7.50099	7.92812	7.85275	6.66961	5.35851	6.14727	7.24411	6.00455	6.04558
VGLL2	6.17147	6.18387	6.19969	7.07164	7.68727	7.30029	6.70705	7.05346	6.56008
NUS1	9.99675	10.1154	10.2341	10.1851	8.79143	9.92002	10.2722	10.2975	10.5106
BRD7P3	3.01697	2.74712	2.61847	2.91157	3.10186	2.81403	3.29337	3.55884	2.59198
PLN	6.8223	6.89492	7.79527	5.98303	5.24171	5.33168	4.99154	5.19053	5.4705
LOC100287632	3.00556	3.11784	2.90035	3.47207	3.99674	3.10752	3.35826	3.44554	3.05278
ASF1A	8.94	8.95397	8.94142	8.38779	7.39742	6.99093	8.42123	7.45865	7.50013
MIR3144	3.28793	2.10861	2.52746	2.70927	2.51857	3.57829	2.90209	2.50921	2.92474
HSF2	7.78166	7.65425	7.8511	7.19153	5.54348	5.84522	7.54439	7.71995	6.50343
CLVS2	4.27614	4.80019	4.21688	4.42833	5.329	4.5263	4.27878	4.56937	4.42861
NKAIN2	4.70794	4.61725	5.07096	5.38551	6.48103	5.40605	5.44993	4.87165	4.86519
RNF217	8.33407	8.26895	8.02179	8.35124	6.86517	7.7208	8.32147	7.7361	8.58408
TPD52L1	7.43349	7.7522	7.32703	7.35514	6.5263	6.92268	7.80082	7.37903	7.41907
LOC643623	4.00875	4.23156	4.20101	4.2239	5.12025	3.87589	4.23949	4.31834	4.3256
HEY2	7.36849	6.49419	7.35589	6.22731	6.04021	5.47585	6.66961	5.60494	5.58504
NCOA7	8.33292	7.155	7.41099	7.28834	5.90814	6.46111	7.04829	7.35906	6.5769
HINT3	7.26615	7.49751	7.51274	6.81901	5.86311	7.38466	7.69775	7.85632	7.44394
TRMT11	7.23258	7.06916	7.20151	6.49912	5.3194	5.57543	6.27642	5.35507	5.86058
CENPW	5.25581	4.5348	5.19483	6.14796	4.28749	5.32778	5.47623	5.16389	4.8022
MIR588	2.21547	2.57923	1.99635	2.97389	2.27915	2.96629	2.75985	2.36154	2.39245
rspo3	5.31483	5.45067	5.54843	5.68784	6.06373	5.98852	4.98566	5.6832	5.19476
RNF146	8.18304	8.12281	8.17525	7.23051	6.29523	6.88846	7.22178	6.81554	7.33276
L3MBTL3	7.02586	6.89708	6.95599	6.8987	6.02305	5.26783	6.7997	6.58887	6.09236
TMEM200A	5.9446	5.85748	5.90857	5.67387	6.45572	6.47795	6.85367	6.26911	6.73721

SMLR1	5.11224	5.32618	5.17469	5.50621	6.57661	5.57541	5.3492	5.78818	5.60048
AKAP7	6.23367	5.53096	5.96695	5.26681	6.00749	5.29702	5.37952	4.74768	5.04924
ENPP3	5.66348	5.60006	6.04674	5.00185	5.49654	5.54742	5.15465	5.47449	5.58547
ENPP1	5.21194	6.83833	6.67377	5.72739	5.44773	4.43525	5.80357	5.91626	6.98308
LINC01013	5.03378	5.18703	4.93476	5.21434	5.43834	5.32505	5.23678	4.93613	5.33586
TAAR9	4.25653	4.77823	4.53069	5.02225	6.32413	5.64664	5.21134	4.4921	5.3938
TAAR8	3.97152	3.83187	3.59942	3.95837	6.32305	4.73598	3.77195	4.77247	4.01953
TAAR6	3.67929	3.79896	3.73746	4.36605	5.88071	4.93578	4.37807	4.22224	3.89271
LINC00326	3.68713	4.07654	3.61137	3.94363	3.93553	3.38676	3.82302	3.96866	3.80443
EYA4	4.98418	5.24379	5.11061	3.79107	5.14393	4.52253	4.46606	4.37435	4.69089
TCF21	5.2504	4.92332	5.25936	5.00609	5.25562	5.21994	5.11525	5.84634	5.0955
TBPL1	7.11829	7.0226	6.96085	6.98445	5.97052	6.44278	7.30795	6.67411	6.59909
LINC01010	5.23623	5.15719	4.85996	5.69558	5.51926	5.64952	5.10514	5.37315	5.39522
MYB	6.27047	6.73202	7.37377	5.57303	6.15293	5.42514	5.75463	5.51686	4.96844
MIR548A2	4.32108	3.71192	4.28062	3.37935	5.24113	4.17863	2.58733	3.86052	4.8532
LINC00271	6.3654	6.71523	6.60481	6.04109	6.4592	6.03125	5.70203	6.25768	5.687
PDE7B	7.00854	6.67746	6.73294	6.90804	6.54894	6.07446	6.51798	6.51886	6.3325
PEX7	7.4231	7.35149	7.10391	7.56015	5.86655	6.67908	7.9009	6.49618	6.9005
ARFGEF3	7.17778	7.51217	7.44987	6.97195	6.94554	7.40559	7.05203	6.94445	7.0387
HEBP2	10.6231	11.0632	10.889	10.6222	10.6045	10.8519	10.8962	10.9705	10.717
FLJ46906	6.32268	6.20761	5.91744	6.61419	5.98347	7.16252	6.26052	5.78311	6.43605
CCDC28A	7.47109	7.49616	7.46957	6.98919	6.35202	7.44969	6.90877	7.66701	6.2043
ECT2L	4.7696	5.22367	5.07717	5.3796	5.88455	5.69263	5.00813	5.33914	5.00952
ABRACL	6.67926	5.68203	6.22709	6.51724	4.50871	5.39107	6.96211	5.82011	5.87342
HECA	8.62193	8.06165	8.44923	8.55397	7.25353	9.49683	8.86534	9.02088	8.6899
LOC100132735	4.59899	4.44884	4.63836	4.44062	5.78785	4.94424	4.66187	4.5196	4.98051

MIR3668	1.72444	1.71996	1.77194	1.85858	2.07537	2.28517	2.0316	1.93783	1.65586
MIR4465	2.05888	2.19716	1.98774	2.73959	1.9953	2.60968	2.69199	2.37698	2.43146
VTA1	9.94991	9.56017	9.90166	9.26998	7.38186	9.09133	9.96065	9.37677	9.83249
ADGRG6	8.40744	7.77219	8.03792	8.28168	6.81753	8.76361	7.77632	8.81337	9.26879
HIVEP2	3.76285	3.53466	3.70632	4.62691	4.68299	4.77811	4.15934	3.99096	4.26522
AIG1	6.98696	6.58314	6.52694	6.33961	5.25047	6.50267	6.90919	6.65055	6.41936
PEX3	9.01114	9.17172	9.22693	8.71647	5.84048	7.96253	8.58458	7.88727	7.25241
PHACTR2	8.02446	8.28515	8.0636	8.30117	7.30914	8.07117	8.38184	8.78432	8.49538
LTV1	7.99736	8.24436	8.25364	7.7049	5.18888	6.65359	8.29324	6.37137	6.84068
Hymai	4.24648	4.51806	4.33229	4.26055	4.05539	4.24899	4.25798	4.35335	4.34368
STX11	7.73668	7.47547	8.02498	8.06845	7.47749	9.08219	8.85098	8.45393	8.89755
UTRN	9.64354	9.86052	9.71959	8.03203	6.08451	7.54142	8.2962	8.09858	8.19654
LOC100507557	5.55069	5.80929	5.56181	5.61955	5.68357	6.40595	5.58443	5.93455	6.08172
ADGB	4.03722	4.00204	3.95754	3.77767	4.75081	4.1309	3.76924	4.27263	4.04677
STXBP5	9.63081	9.80493	9.60515	8.46995	5.35555	8.30893	8.87015	7.57611	8.52988
SAMD5	5.9515	6.26766	5.75417	6.29437	6.91978	6.35976	6.42074	6.13313	6.41979
SASH1	9.95874	9.62749	9.67902	8.9256	7.26578	8.8874	9.27607	9.56558	9.49033
UST	8.27071	7.99288	7.9692	7.34915	6.79993	7.39019	7.56117	6.82719	6.67632
TAB2	8.00544	8.04114	8.09974	7.25486	6.8026	7.51316	7.53735	8.11414	8.15555
SUMO4	7.98827	7.97767	7.80645	5.79875	6.10764	5.27249	5.95607	7.44435	7.10425
PCMT1	7.81747	7.76149	7.83347	7.96536	5.43584	7.58021	8.2631	8.3757	8.17337
RAET1E-AS1	5.22405	5.45674	4.95523	6.04859	5.70199	6.2955	5.90062	5.7278	5.66928
ULBP2	6.23035	5.85125	6.16298	7.48715	7.20644	8.18557	7.30048	8.05991	7.56101
ULBP1	3.89095	3.74183	3.83774	6.24742	4.05797	6.52251	6.45277	6.71351	6.92023
IYD	5.43996	5.27524	5.61109	5.57004	6.54238	5.85124	5.98379	6.17782	5.91816
MTHFD1L	7.75856	7.16226	7.31506	8.4171	8.0892	8.40587	8.26282	8.40856	8.33252

AKAP12	6.30097	6.15101	6.41041	6.74841	5.77641	6.50711	6.73894	6.48674	6.56476
CCDC170	4.91589	4.86778	4.86868	4.99562	5.24624	4.36834	4.67352	4.44203	4.55221
ESR1	5.36241	5.3386	5.28241	5.56572	5.88175	5.494	5.05972	5.36537	5.32775
MYCT1	8.1022	7.22146	8.43109	6.43369	5.3499	5.42598	6.61797	6.74245	6.74163
VIP	4.23157	4.09763	3.95965	4.03402	4.4935	4.76015	4.09905	4.50883	4.27646
MTRF1L	6.39565	6.73017	7.05054	6.03526	6.08381	5.86023	7.04584	5.36756	5.77133
scaf8	7.80402	7.75898	7.83297	6.37265	5.74018	5.88508	6.71672	6.26613	6.6857
TIAM2	5.46922	5.6327	5.76368	5.69538	5.93182	5.62887	5.91752	5.52766	5.62083
CLDN20	4.29737	4.23328	4.28894	4.48251	5.03571	3.81753	4.17728	4.53259	4.09341
MIR1202	7.541	7.78015	7.74149	8.35147	9.05838	8.1982	7.62598	8.36661	8.03039
ARID1B	9.80685	9.72583	9.67366	8.90362	7.74523	8.30552	8.85105	7.877	8.38514
MIR3692	4.27731	4.59426	3.88706	4.54492	5.86013	4.71714	3.87661	4.03258	3.8518
SNX9	10.4639	10.3742	10.7609	9.64317	9.22876	10.913	10.4587	10.5072	10.4953
SYNJ2	6.91132	6.56716	7.09307	7.02668	6.53481	8.38338	7.14671	7.72312	7.46287
SYNJ2-IT1	5.67352	5.03237	5.12442	5.29336	5.53535	5.49032	4.89541	5.94123	5.91389
TULP4	9.68482	9.69552	9.44543	9.09935	7.68688	9.22765	9.32172	9.41817	9.29463
TMEM181	9.13626	9.33291	9.18181	8.98783	6.36602	8.19402	9.10123	8.49796	8.81275
SYTL3	6.2456	7.37058	6.69317	6.10303	6.55405	6.48021	6.45404	6.69317	6.36784
C6orf99	4.63005	4.31617	4.32708	4.93975	5.50865	5.40801	4.66111	5.39113	4.97352
FNDC1	7.56112	6.89435	6.89571	6.72111	5.75542	5.63524	7.37483	5.40232	5.35328
WTAP	9.40895	9.15936	9.50415	9.06687	7.11559	9.07677	9.59296	8.99035	9.48548
ACAT2	7.24931	7.07508	7.50471	7.57853	6.2175	7.84626	7.94897	6.93869	7.8491
MRPL18	6.94999	6.81068	6.93992	7.60158	5.77182	7.06839	7.72247	6.35468	6.904
PNLDC1	4.89546	4.80894	5.1765	5.15858	6.08451	5.39109	5.84947	5.24577	5.2954
MAS1	5.38357	5.46789	5.21554	5.3606	6.5057	5.22455	4.88035	5.34937	5.45141
IGF2R	8.6955	8.92584	8.87063	8.89163	6.86122	8.56492	8.4743	9.66237	9.36914

LOC729603	7.07745	6.95694	7.23063	6.36315	6.58479	6.41187	5.95483	7.56159	7.36023
PLG	4.44854	4.82447	4.49037	4.65005	5.92912	5.62175	4.95201	4.34271	4.73772
MAP3K4	9.01563	9.0165	8.68393	8.12837	7.2769	8.19339	8.54088	9.13594	8.80487
PACRG	5.74222	5.36917	5.77512	5.42484	6.2177	5.66563	5.5813	5.55459	5.73132
LINC00602	6.09223	5.96566	6.07689	6.60846	6.60027	7.0006	6.69442	6.91751	6.66796
LOC100289495	6.24975	6.20575	6.20824	6.02336	6.13058	6.48272	6.29573	6.35252	6.3488
FGFR1OP	6.92252	7.47491	6.75901	6.76157	5.82875	6.6097	7.06115	6.46434	6.58278
CCR6	4.9006	4.54031	5.07096	5.47237	5.848	5.82823	5.27366	4.73209	5.2033
UNC93A	8.42776	8.28668	8.29709	8.3077	8.21024	6.58632	7.49709	7.68454	8.09296
KIF25	5.2515	5.24592	5.3966	5.66148	6.15162	5.89267	5.8945	5.88439	5.93596
SMOC2	7.36859	6.54657	7.42111	6.32871	6.5402	6.29131	6.10622	5.92868	6.30323
ERMARD	7.8167	8.22545	7.9826	7.29753	5.53903	6.76164	7.61272	6.54104	7.05997
LINC00574	5.55183	5.1204	5.28187	5.50812	5.44244	5.78398	5.7223	5.32262	6.06361
FAM120B	8.04659	8.214	8.12028	7.94724	6.9429	7.46741	7.69096	7.57943	7.61436
MIR4644	6.88716	7.14387	7.16145	7.12881	7.47721	6.88969	6.4244	6.58727	6.69467
TBP	8.95141	9.26605	9.24313	8.51791	7.71093	8.07907	8.76313	8.18949	8.50293
exoc2	8.61029	8.73136	8.40819	8.39569	6.18895	8.18861	8.28381	8.45458	8.77996
HUS1B	5.14572	4.90035	4.51425	4.39591	4.24693	4.83439	4.53547	4.86355	5.53621
LINC01622	4.83452	4.75069	4.72585	5.17295	6.18345	5.31439	5.48692	5.54393	5.31439
LINC01600	4.98183	5.32808	5.14332	5.45899	5.94063	6.07117	5.56157	5.59096	5.50902
MIR4645	3.00831	3.7259	3.35047	4.06436	2.58051	3.38739	3.031	3.48309	3.39213
LINC01011	4.66216	5.44745	4.40688	6.48697	5.63026	6.23441	6.19674	5.28361	5.98489
LOC100507194	4.67747	4.14178	4.55934	4.38471	5.82875	5.22567	4.43974	4.73092	4.37407
PXDC1	7.41875	7.5644	7.60917	8.9056	7.0443	8.0555	8.70371	7.85671	8.14902
ECI2	6.75641	6.57282	6.89394	6.70175	5.1441	6.09919	6.47914	6.47075	6.23154
RPP40	6.71531	6.71722	6.5567	7.11237	4.82794	6.26599	7.67939	6.01672	6.46816

LYRM4	6.65734	6.42615	6.86567	6.5876	6.65942	6.33322	6.98781	6.24296	6.55552
MIR3691	7.5046	7.3907	7.33155	7.12681	6.806	7.21486	6.48119	6.97839	6.90067
NRN1	8.36282	7.99474	8.67013	6.99473	6.92536	6.58433	7.10313	6.41749	6.92096
LY86-AS1	4.94432	5.07092	4.95703	5.15982	6.15145	5.36286	5.08929	5.22927	5.43772
CAGE1	3.93759	3.96481	3.814	3.89434	4.58078	4.29436	4.33185	3.78109	4.36793
BLOC1S5	7.885	7.89944	7.96042	7.68629	6.05525	7.12319	7.68614	7.48295	7.37507
SCARNA27	6.56225	7.21361	6.88159	6.85693	7.45647	7.02547	7.17601	6.80023	6.68612
TFAP2A	9.14814	8.83945	8.79974	8.76849	8.16887	8.86122	8.54284	9.47859	9.21425
LINC00518	4.99379	4.99964	4.76751	4.89138	6.29638	5.50835	5.10389	5.08997	5.95687
C6orf52	5.33088	5.2452	5.31452	5.16436	5.22099	4.9484	4.71909	5.25745	5.51974
MAK	5.01489	4.9626	4.92576	4.81355	5.55884	5.4663	5.60675	5.31382	5.00667
GCM2	4.48465	4.77108	4.60622	5.10662	5.12986	4.96241	4.85659	4.64966	4.97325
ELOVL2	4.71366	4.78876	4.78791	5.49292	5.9857	4.63952	5.41505	4.75007	4.84798
ADTRP	6.55126	6.0025	6.65428	6.11272	5.92663	6.46883	5.34063	5.85774	6.828
RANBP9	10.8927	10.607	10.7315	10.1012	7.80144	10.6755	10.06	10.0775	10.2227
MCUR1	9.00993	8.78715	9.02434	8.7986	7.27333	8.58958	9.02043	8.52074	8.47347
DTNBP1	6.75094	6.47952	6.61388	6.08982	6.62837	5.98307	6.3515	5.99041	5.8886
ATXN1	8.49002	8.07046	8.10723	7.92286	6.60294	8.11755	8.01798	9.08324	9.18863
NUP153	10.4222	10.6133	10.7613	10.1835	6.90368	9.17382	9.92305	10.0887	10.4859
KIF13A	9.32953	9.24523	9.08856	9.16233	6.04165	9.55805	9.26694	9.4746	10.1544
NHLRC1	5.99852	5.63907	6.14077	5.62854	5.16654	5.17074	6.31381	5.67333	5.10768
TPMT	8.83902	8.48499	8.70535	9.30714	7.17463	10.2415	9.92167	10.9309	10.1722
DEK	8.70931	8.73328	9.1132	8.33985	5.76882	7.99935	8.767	8.46765	8.08853
MBOAT1	7.83325	8.13555	7.68556	7.02543	5.74908	6.56973	7.24428	7.20949	6.66832
NBAT1	6.20175	5.97118	6.0936	6.46171	7.22193	6.93119	6.64987	6.94421	6.39241
PRL	3.19875	2.87892	3.44466	4.06645	4.09893	4.4753	3.51239	3.89935	3.93185

DCDC2	4.9194	5.102	4.97743	5.51651	5.47175	5.71807	5.31249	5.74051	5.60492
GPLD1	8.06833	9.12736	7.00456	6.63557	6.66543	6.04472	6.33637	5.51914	5.84859
KIAA0319	5.37491	6.16629	5.21214	5.88583	5.94042	6.24208	5.32023	5.63804	5.36229
TDP2	8.67132	9.46274	8.12221	9.1598	7.63212	8.08007	8.83894	8.83257	8.96668
c6orf62	9.69966	9.62918	9.59602	9.86241	6.50957	9.30768	9.9243	9.16419	9.73691
LOC285819	4.58266	4.89253	4.5939	4.52405	5.61717	5.30533	4.15567	5.02673	5.05413
ZNF322	6.18024	6.8065	6.04899	5.00555	4.75829	4.70432	5.69604	4.8232	5.57892
LOC100270746	4.82942	5.01284	4.94499	5.35444	5.46019	5.96141	5.57873	5.46994	5.36379
POM121L2	5.10471	4.82571	5.05558	5.2512	5.96947	5.34975	4.86947	5.43023	5.15113
ZNF184	8.08941	8.30079	7.67381	6.62353	6.32837	5.89741	6.70826	6.05841	6.35192
ZKSCAN4	6.30553	6.10554	6.42715	6.26984	6.63459	5.95575	5.97925	6.19368	6.1821
ZSCAN31	7.23744	7.03997	5.48402	7.01619	5.8699	6.14644	6.13275	6.51485	7.21551
ZSCAN12	5.51698	6.02539	6.04142	5.33413	5.41343	5.34741	5.58119	5.00849	5.0732
ZSCAN23	4.88709	5.60952	5.00167	4.86746	5.99683	4.81167	5.07542	4.92015	5.11401
GPX6	4.81673	5.03936	4.92642	5.84701	6.65632	5.82663	5.32438	6.01033	5.89104
LINC01623	4.92885	4.6138	4.68816	5.63452	6.24032	5.45033	5.18282	5.40895	5.24209
TRIM27	7.54518	7.56068	7.65658	7.14105	6.74339	6.27815	7.58093	6.8558	6.85783
ZNF311	5.82285	5.80771	5.5913	5.47624	6.37712	5.97341	5.23835	5.12705	5.27876
MAS1L	5.71434	5.53465	5.76776	6.18399	6.78977	5.80793	5.53071	5.71538	5.42422
ZFP57	5.90937	5.19097	5.5707	6.2606	5.91524	5.64766	6.66461	6.22877	5.53561
HLA-F-AS1	5.08945	4.49367	4.30551	4.25744	4.43617	3.79498	3.89905	4.84799	4.58546
IFITM4P	7.56465	7.04595	7.96564	7.96275	7.30218	7.36689	8.09965	7.57383	7.69937
HCG4	6.12534	6.218	6.03777	6.06336	6.99474	8.85419	7.57145	6.1463	6.02997
HCG4B	5.57358	5.7322	5.53694	5.31318	6.09966	5.23505	5.62478	4.94776	4.90109
RNF39	10.1762	9.61666	9.51904	10.024	11.8699	11.719	10.6368	11.6729	11.0116
TRIM31	5.06098	5.191	5.08862	5.48523	6.4272	5.79885	5.55319	5.38614	5.44413

TRIM10	5.43474	5.20211	5.44775	5.60194	6.03836	5.79778	5.33496	5.49981	5.48809
TRIM26	8.0443	7.81897	7.67909	7.42466	6.1854	7.03757	7.7269	7.60764	7.27771
HCG18	6.64525	6.60757	6.37549	6.31783	6.11319	7.26725	6.15262	6.67219	6.96615
GNL1	7.32106	7.21188	7.2721	7.18045	6.69575	7.22979	7.20958	7.2376	7.16293
DHX16	7.50098	7.81449	7.63035	7.67423	6.80065	7.55474	7.72577	7.55489	7.47939
NRM	6.86984	6.32014	6.77301	6.76242	6.26706	6.29548	6.76543	6.72068	6.56269
MDC1	7.6333	7.62962	7.58388	6.88147	7.27522	6.70812	7.17729	7.01446	6.75795
FLOT1	8.37015	7.9515	7.86983	8.26023	7.39718	8.03435	8.23641	8.3606	8.68783
SFTA2	6.35454	6.41682	6.42413	6.23839	6.54211	6.27479	6.26633	6.03565	6.02573
C6orf15	7.34729	7.3771	7.50206	7.54245	7.90809	7.51938	7.2542	7.54937	7.04516
CDSN	6.96925	6.96666	7.68825	7.80764	7.36179	7.42581	7.56091	8.30591	7.85842
PSORS1C2	7.82677	8.16577	7.84515	8.25305	6.90726	7.43654	7.5828	6.86993	7.9728
CCHCR1	6.42986	6.42601	6.10032	6.43015	6.49112	5.93468	5.86073	6.34389	5.21573
POU5F1	6.21354	6.21012	6.19669	6.4033	6.29648	5.94177	5.97494	5.97507	6.04296
NCR3	5.77761	5.77416	6.1047	6.39439	6.7003	6.54971	6.19395	6.55548	6.15932
BAG6	8.1992	8.10046	7.98588	8.77746	7.6348	8.78238	8.70785	8.44345	8.41747
GPANK1	6.27649	6.06381	6.03862	6.03395	5.85025	5.8595	6.25177	6.10772	6.00919
MIR4646	5.70307	5.67309	5.89124	5.77721	6.63143	5.56204	5.6109	5.89369	5.31227
DDAH2	8.01699	8.47048	8.39804	8.97539	7.70858	9.23441	9.11311	8.72091	8.83105
VWA7	5.77451	5.84935	5.98084	6.26327	6.67004	6.66115	6.06862	6.49618	6.16227
VARS	7.23432	7.07799	7.00331	7.8114	6.17179	7.33637	7.80869	7.19322	7.51655
HSPA1L	6.60859	6.30036	6.52203	6.85921	6.32261	7.23124	6.79352	6.95989	6.74211
NEU1	7.54658	7.08828	7.10608	7.29308	7.62893	7.11597	7.42018	7.54532	7.18472
EHMT2	7.6452	7.18115	7.55124	7.19453	7.00837	7.28465	7.43035	7.06982	7.05858
ZBTB12	5.44491	5.7411	5.55083	5.33884	5.64008	5.83763	5.37606	5.68808	5.53406
NELFE	7.48141	7.31185	7.33502	7.75836	6.60179	7.3945	7.92511	7.26683	7.52977

MIR1236	5.6417	5.37717	5.43601	5.46853	5.77183	5.38568	5.10392	5.37581	5.74932
DXO	6.85087	6.88489	6.67018	6.80522	6.66349	6.49503	6.80568	6.35795	6.75015
Tnxa	6.97414	7.23095	8.01866	6.94198	7.2609	7.05333	7.71952	7.24444	7.03929
TNXB	6.90163	7.49341	8.53843	6.88211	7.17408	7.22445	7.42534	7.55473	7.16457
ATF6B	9.86389	9.77443	9.62036	9.17628	7.82099	9.00287	9.67857	9.39577	9.78689
FKBPL	6.69281	6.74771	6.28147	7.55692	6.49969	7.46733	7.5016	6.92268	6.74811
PRRT1	6.13367	6.22471	6.03967	6.34538	6.73059	6.61296	6.56185	6.21077	6.51039
LOC100507547	5.7462	5.69468	5.56297	5.639	5.66941	5.95237	6.06277	5.95162	5.85599
AGER	7.08373	6.81855	7.04083	6.61175	6.57562	6.71891	6.5054	7.23026	6.7835
GPSM3	6.33109	6.28994	6.39537	6.73022	7.00929	6.75422	6.43422	6.84229	6.8028
NOTCH4	6.85036	6.70174	6.92384	7.13211	7.14065	6.91161	6.68439	7.26302	7.16651
BTNL2	5.04399	5.57502	5.81222	5.30689	6.23309	5.54391	5.6181	5.70907	5.74183
MIR3135B	7.00835	6.42518	7.22729	6.93675	8.03043	6.65304	6.39563	6.83832	6.80264
VPS52	9.53981	9.2448	9.39057	8.61687	7.22582	7.83268	8.87817	7.73212	8.61856
WDR46	6.70873	6.85549	6.81003	6.98113	5.83074	6.49476	7.04451	6.78827	6.97896
RGL2	8.81479	8.07993	8.33124	8.38406	7.39734	9.03688	8.88861	7.8006	8.48179
TAPBP	8.93526	8.38486	8.61501	8.53304	7.33694	8.32073	8.87733	8.02856	8.90855
ZBTB22	6.71276	7.15845	6.80032	7.22264	7.08736	7.41847	7.55098	6.91444	6.97299
DAXX	6.65833	6.65769	6.31868	6.94704	6.64915	6.79006	7.33677	6.70889	6.93483
CUTA	7.07871	7.33538	7.15533	7.8534	6.63512	6.93322	8.077	7.4268	7.27433
BAK1	7.9257	7.54869	7.41878	8.28867	6.41053	8.43163	9.36399	9.26971	8.52462
LINC00336	5.57723	5.49927	5.53504	5.98262	5.97631	5.95695	6.01254	6.15259	6.11827
UQCC2	9.51026	9.62206	8.77211	10.7293	8.20981	9.35977	10.5469	9.15806	9.7447
IP6K3	5.28187	5.1409	5.27573	5.69451	6.241	5.85331	5.36948	5.54441	5.95456
LEMD2	7.41037	7.43936	7.30617	6.87039	6.04885	7.15785	7.2029	7.05399	7.05099
MLN	4.76419	4.99066	4.92708	5.31568	5.85797	5.77978	5.12033	5.66429	5.47721

LINC01016	4.99827	4.84947	5.26363	5.36913	6.3639	5.76878	5.47988	5.55672	5.4114
MIR1275	2.17136	2.54119	2.11549	2.51766	3.1206	3.53227	2.44618	2.26307	2.55623
C6orf1	6.68922	7.22464	7.01945	7.24385	6.81363	7.25083	7.15457	7.43168	7.1136
NUDT3	8.55129	7.95739	8.2678	8.34339	7.96571	7.9747	8.30087	8.06206	8.28124
spdef	6.47941	6.39809	6.84872	6.90846	6.80314	6.84197	6.36325	6.47779	6.40877
c6orf106	9.12606	8.20154	8.80874	8.76908	8.0145	9.99696	9.23728	10.1086	9.66265
TCP11	4.66012	4.67737	4.75542	5.0393	5.29342	4.97084	4.77032	5.08565	5.2488
TEAD3	8.16316	8.20403	8.20743	8.73226	7.0347	9.07367	8.61131	8.21011	8.52395
TULP1	5.61062	5.65867	5.7888	6.52099	6.54555	6.60718	6.17779	6.2213	6.42089
FKBP5	7.35868	7.50201	8.42331	6.93195	6.42733	6.43058	7.17433	6.26404	6.38036
SRPK1	10.6226	10.6042	9.9053	9.60169	8.15081	8.8162	9.20514	9.25864	9.38656
C6orf222	3.91654	4.09396	4.15229	4.4502	5.209	4.11552	4.5471	4.38006	4.40933
etv7	6.76133	6.76181	6.14957	6.75948	6.54501	6.44943	6.53595	5.98313	6.17777
STK38	9.38647	9.17506	9.09418	8.63811	5.96818	8.08343	8.62678	8.37296	9.08427
MIR3925	8.31421	8.1853	8.67455	7.28418	7.18803	6.92188	7.00995	7.16833	7.06747
CPNE5	6.22253	5.61426	6.00908	6.60017	6.28473	6.50191	6.54748	6.20508	6.75711
PPIL1	7.26545	7.34278	7.18926	8.5515	6.47113	7.92559	8.62637	7.56317	7.95087
MTCH1	9.35868	9.48434	9.53055	9.42147	8.04563	9.47174	9.58097	9.8235	9.46902
TMEM217	6.15093	5.6964	6.0671	6.72717	6.75901	6.88438	7.59619	6.1567	7.11035
CCDC167	6.96079	7.10578	6.75138	8.29816	6.20212	8.49399	8.19162	7.96874	8.17495
MIR4462	5.57503	5.20816	5.71686	6.66872	4.69671	6.32383	7.2493	6.21813	5.89565
MDGA1	6.62893	6.28121	6.16587	6.48534	6.15284	6.76744	6.54178	6.17088	6.19382
BTBD9	7.84588	7.74695	7.44093	7.26486	5.87292	8.05901	7.69835	7.96317	8.25082
GLO1	11.4505	11.0793	11.0362	11.2687	10.4045	11.0828	11.4821	11.6322	11.6714
LOC100131047	4.79193	4.86328	4.91441	5.246	6.00842	5.6977	5.25196	5.0172	5.3411
SAYSD1	6.88713	7.09575	7.11818	7.16266	6.21624	7.11104	7.389	6.69505	6.65295

KIF6	3.92208	3.90698	4.09279	4.14249	5.16678	5.09826	4.1415	4.40843	4.67102
MOCS1	6.02922	6.04298	6.43735	6.1784	6.48444	6.24291	6.18342	6.02612	6.23881
LINC00951	4.87957	4.75146	5.16994	5.46329	5.95522	6.14331	5.16081	5.74358	5.63995
LRFN2	5.01747	5.36209	5.28335	5.64113	5.48918	5.88079	5.75959	5.84465	5.8697
UNC5CL	6.34423	6.58519	6.59975	6.44879	6.88439	6.63851	5.81923	6.40105	6.39398
OARD1	6.72606	6.81676	6.86079	5.97988	6.2634	6.00285	6.02383	5.72471	6.07276
TREML1	6.20528	5.79886	6.5738	6.5421	6.79394	6.73343	6.29294	6.77695	6.27759
TREM2	5.84372	5.76602	6.18578	5.9428	6.43852	6.70568	6.84641	7.35507	6.37607
TREML2	5.49066	5.29109	5.33401	5.64324	6.12271	6.30783	5.6436	6.08746	5.84706
TREM1	5.68843	5.4582	5.63785	6.90482	7.71997	10.2106	7.77067	11.0132	7.58007
TFEB	5.89447	6.09297	5.92022	6.30473	6.41444	6.86535	6.54333	6.80596	6.67749
PGC	4.77047	5.13075	5.26723	5.90024	6.17967	5.8721	5.79992	5.77028	5.70947
FRS3	6.42792	6.23973	6.2408	6.32781	6.20026	6.45154	6.3356	6.1752	6.19592
USP49	5.60077	6.02075	5.60397	4.73812	4.97641	4.9749	5.35704	6.86202	5.46258
MED20	6.67475	6.69899	6.63658	6.48859	6.61034	6.57319	6.74331	7.62244	6.6594
CCND3	6.47384	6.34931	6.89667	6.83037	6.51468	6.50989	6.72459	6.80134	6.84502
C6orf132	9.50884	9.09853	9.08338	9.67826	8.59011	10.1666	10.0662	10.6659	10.4951
guca1b	5.2288	5.12571	5.65755	5.71752	5.04635	5.35407	5.15303	5.62941	5.22026
MRPS10	8.32375	8.23422	8.35578	8.305	6.54995	8.08445	9.04428	8.83971	8.96439
TRERF1	8.12374	7.5158	7.59865	6.66606	6.40726	6.42538	7.38293	7.29299	6.13916
TBCC	6.28056	6.44296	5.98027	6.83939	6.50425	6.48768	7.00758	6.5024	6.18628
C6orf226	7.36813	7.48738	7.60366	7.55836	5.2967	6.61514	7.93428	6.20637	7.25217
PEX6	6.60809	6.65948	6.22117	6.50175	7.10775	6.50877	6.46467	6.62604	6.5994
MEA1	10.2663	10.161	10.2165	10.718	10.8765	10.7176	10.8872	10.7662	10.5629
CUL7	7.33791	7.00835	7.22486	7.49021	6.8599	7.39501	6.91579	6.52008	7.25563
MRPL2	7.19222	7.53388	7.42101	7.74396	6.68558	7.30409	7.95255	7.12284	7.22787

DNPH1	7.76511	7.93552	7.97358	8.42212	7.09487	7.71224	8.85414	7.16386	7.92965
CRIP3	5.93792	5.79305	6.04975	6.37398	6.98888	6.31982	6.09313	6.34762	6.49346
ZNF318	8.18307	8.1624	8.37728	6.5618	6.54086	6.39076	6.84049	6.89859	6.69599
DLK2	7.45699	7.6728	7.65282	7.62072	8.23865	7.50049	7.41751	7.56142	7.38085
LRRC73	6.2563	6.19255	6.06227	6.68659	7.30138	6.96933	6.654	6.75371	6.59277
XPO5	8.51188	8.69435	8.55171	8.51275	6.3185	7.73195	8.47485	7.85946	8.23686
GTPBP2	7.66556	7.35293	7.37053	8.16558	7.36621	8.84533	8.26407	8.76768	8.80048
MRPS18A	9.41064	9.44492	9.43569	9.96323	8.99149	9.82077	10.1576	9.63068	9.95939
MRPL14	6.80528	7.46119	6.56648	8.10583	6.60681	7.01554	8.07028	7.0231	6.90364
TCTE1	5.7312	6.3981	6.33939	6.33555	7.04569	6.74419	6.15838	6.24448	6.27924
SUPT3H	7.21401	6.69932	7.23339	5.72325	5.76094	5.77384	6.19825	5.57115	6.02086
MIR586	2.95161	2.89209	2.80665	3.56733	2.57201	3.43911	3.20358	2.93802	2.98526
CLIC5	4.59025	4.46722	4.77022	4.66111	5.62822	4.41284	4.25165	4.84736	4.69317
ENPP5	6.06986	6.18411	6.26073	5.15901	5.2761	5.06949	5.27465	4.78128	4.75338
RCAN2	8.14996	7.72225	8.73601	7.58681	6.53956	6.16968	6.92176	6.73017	6.90768
ADGRF5	8.3443	7.68067	8.38629	7.35217	6.31689	6.67411	7.03044	8.07932	8.55505
ADGRF1	5.72739	5.69862	6.03778	6.42628	6.71863	7.14708	6.13238	8.12787	7.95341
PTCHD4	4.65745	4.78047	4.76383	5.61512	5.7408	4.99848	5.32379	5.07101	5.09834
MUT	8.69543	8.58226	8.34647	8.19292	6.41385	8.28331	8.29977	8.29212	8.50617
RHAG	4.99261	5.01596	5.15903	5.34782	6.19822	5.26762	5.255	5.55477	5.32306
CRISP2	4.05374	3.92017	3.68934	3.71341	4.27775	4.6081	4.5592	3.93783	4.55609
CRISP3	6.96249	6.00118	5.64375	5.99661	5.66202	5.96551	5.61335	5.89022	6.00956
PGK2	4.13312	4.01304	3.6336	4.35981	4.81279	4.89543	4.44405	4.26478	4.59841
CRISP1	4.00514	4.39471	4.36177	5.4081	6.15817	5.23078	4.98054	4.388	4.54925
PKHD1	5.1149	5.13153	5.16329	4.98264	6.21753	5.46257	4.96342	5.14937	4.95861
IL17F	4.2458	4.1943	4.27116	5.09153	5.2725	5.16725	4.69314	5.06468	4.5473

MCM3	8.0304	7.57391	8.47766	7.78877	6.17833	7.01746	7.64552	7.33143	7.30671
TRAM2	8.96923	8.3552	9.34292	8.28096	6.08814	6.66396	7.97036	7.86403	7.7866
GSTA2	3.22458	2.80018	3.60982	4.53173	4.78447	4.2912	3.44692	3.55754	3.41386
GSTA1	6.17745	6.38759	6.67726	6.77118	7.07957	7.07403	6.54716	6.16056	6.74051
GSTA5	6.08816	5.76534	6.1352	6.39088	7.98894	6.35888	5.96876	6.54539	6.38181
GSTA3	7.03552	4.33091	6.79792	5.1205	5.51922	4.3777	5.23209	5.28646	5.22189
GSTA4	9.46929	9.34111	9.2075	9.45969	8.0435	8.87456	9.35399	7.80775	8.54373
ICK	9.16012	9.06276	9.42891	7.69871	6.2887	6.74811	8.19471	6.99589	6.89346
GCM1	4.50682	4.49193	4.4292	4.99612	5.61892	4.9536	4.61733	5.11162	4.91695
ELOVL5	7.46853	7.57921	7.61368	7.48272	5.70326	6.83228	7.41761	7.23333	7.4018
KLHL31	6.73778	5.97756	5.90858	5.10065	5.33174	5.44521	4.30579	5.34298	5.19595
HMGCLL1	5.02361	5.08624	4.91823	5.5185	6.12412	5.44644	5.07658	5.11707	5.32971
BMP5	4.31286	4.74932	4.74695	4.79379	5.0594	4.76586	4.02486	4.73373	4.36625
DST	8.76179	8.90666	8.60243	7.87532	5.95901	6.5605	7.5528	7.59802	7.62259
EYS	4.69262	4.87438	4.66989	4.8268	5.65526	4.6999	4.42994	4.77517	4.82331
LMBRD1	9.98981	9.7407	10.1154	8.89966	6.3735	9.07288	9.52333	9.40676	8.99904
LINC00472	5.62084	6.21869	6.03862	5.05187	4.93762	5.40306	4.41356	5.24757	5.27724
Mir30c2	4.81649	5.48618	5.90931	4.86832	5.80202	4.98931	4.46061	5.37539	4.85201
MIR30A	5.89736	5.84935	5.729	5.38828	6.34464	5.56138	4.87169	5.52741	5.68917
MIR4282	2.2889	2.6253	2.02323	2.62435	2.26872	2.23964	2.29862	2.26259	1.98388
KCNQ5-AS1	2.83217	2.4823	2.89263	3.58664	3.69378	3.35489	3.48839	2.86637	3.40688
KHDC1L	5.40641	5.58977	5.60055	6.64534	6.48965	6.59915	6.2382	5.81202	6.34173
KHDC1	5.12564	5.39953	5.23323	5.53008	5.82015	5.80911	5.66299	5.7587	5.64061
DPPA5	5.26079	5.49098	5.1685	6.51559	5.97614	6.87617	5.85027	6.04392	6.14842
OOEP	5.39518	6.11787	5.44377	6.51329	7.03907	6.18309	6.10556	5.77382	6.22502
MB21D1	5.71241	5.24607	5.42968	6.38886	4.84	5.61236	6.52463	5.88714	5.50401

EEF1A1	7.14074	7.09747	7.17043	7.44129	6.63914	7.02692	7.0068	6.9161	7.05208
COX7A2	7.33925	7.12637	7.27806	8.43522	7.69665	8.46867	8.63196	8.04233	7.85739
TMEM30A	9.56055	9.54904	9.79676	9.79847	7.50053	9.74686	9.89568	10.6718	10.0539
FILIP1	6.35027	5.87788	6.38973	5.89773	6.71135	6.21609	5.24884	6.32646	5.69211
IMPG1	4.295	4.60229	4.29877	4.5689	4.69987	5.02804	4.49575	4.52917	4.48883
PHIP	9.3713	9.61228	9.3668	8.50623	6.1302	8.18459	8.10042	8.2867	8.03103
HMGN3	8.54327	9.18975	8.13848	8.25801	6.97179	7.36698	8.27061	7.59419	7.36076
LCA5	5.36313	5.54607	5.42271	5.20497	4.8409	5.26056	5.72951	5.20267	5.07068
LINC01621	6.52619	6.92601	6.239	5.6387	5.68181	5.65178	4.86107	6.12365	6.07408
ELOVL4	11.3537	11.136	10.8908	11.4105	10.9548	11.6702	11.2331	11.8861	11.2922
IBTK	8.5437	8.75254	8.63853	8.17367	6.17469	7.8376	8.09174	7.86624	8.32279
UBE3D	6.895	6.83155	7.07322	5.7901	5.91749	5.88632	6.29259	5.81308	5.71881
PGM3	7.72851	7.76101	7.99314	7.93531	6.54677	8.10645	7.63623	7.85211	8.11748
CEP162	6.48105	6.82109	6.50472	4.51762	4.10966	4.88133	5.54797	5.13407	4.51319
TBX18	7.46483	7.98735	7.95385	6.59004	7.17137	6.4502	6.4669	7.7467	7.60712
SNHG5	7.83084	7.26046	7.91016	7.85164	6.15145	7.78995	7.79259	8.00158	7.1471
AKIRIN2	8.55266	8.23962	8.47047	9.58328	7.12822	10.5305	10.1118	9.6199	9.83776
CNR1	4.61719	4.96323	5.74151	4.85059	5.76531	5.36922	4.98453	4.88456	4.96217
RNGTT	7.84921	7.93904	7.60261	7.54769	5.50661	7.43397	7.78264	7.72751	7.59851
SRSF12	4.82394	4.8299	5.41454	4.85659	4.85901	4.98597	5.04381	5.1446	5.08815
RRAGD	7.87067	8.96238	8.35272	7.93864	7.77404	10.0773	8.74266	9.28548	8.44357
LYRM2	6.319	6.20176	6.27508	6.35609	6.495	6.4587	6.79009	6.14237	6.34806
MAP3K7	9.16964	9.09202	9.05666	8.95903	6.77952	8.63546	9.37611	9.50235	8.61983
EPHA7	5.36319	5.53655	5.18316	5.14439	5.53344	5.14817	5.3132	5.0949	5.11186
GPR63	5.22312	5.21379	5.75101	4.90817	5.51643	4.83649	5.29832	5.10877	4.83042
FBXL4	8.99006	9.27199	8.99995	8.01545	6.42527	7.28509	8.40796	7.2651	7.66579

FAXC	4.96973	4.9715	5.12563	5.24058	5.2421	5.64504	6.10657	5.18573	5.20266
PNISR	9.72276	9.98574	9.57599	8.14512	7.04887	7.3034	7.93384	8.47945	8.51476
USP45	7.61723	7.80627	7.55815	6.76186	5.42863	6.46303	7.34344	6.76303	6.95864
CCNC	6.91272	6.98245	7.00303	6.55848	5.25537	7.05841	7.02176	7.0855	6.97031
MCHR2	4.44592	4.33429	4.314	4.88827	5.52208	4.52806	4.34815	4.46146	4.56233
SIM1	5.81632	5.14755	4.93898	5.54822	5.49058	5.29335	5.47579	5.48431	5.56085
ASCC3	8.32722	8.73515	8.25918	8.03882	5.44556	7.74561	8.22258	7.76718	8.03056
HACE1	8.20695	8.25374	8.16091	6.87447	6.01383	6.96994	7.25647	7.90149	7.47497
LIN28B-AS1	5.26463	5.14104	5.15503	5.93298	6.71664	5.37824	5.73706	5.4713	5.86249
BVES	7.2327	6.72907	7.15092	6.47142	6.6412	6.30704	6.4522	8.31348	6.56739
POPDC3	4.02652	4.30399	4.92393	5.37085	5.38776	4.95977	5.18185	5.92551	5.02337
PREP	9.01938	8.7541	8.76293	9.25236	7.05912	9.44751	9.25346	8.98327	9.12638
ATG5	8.43249	8.09195	8.32874	7.72493	6.07847	8.45954	8.55749	8.02592	7.67748
RTN4IP1	6.48506	6.53627	6.77453	6.17617	6.22527	5.69403	5.76406	5.85056	5.3257
BEND3	5.63812	5.54319	5.81715	5.98564	5.53169	5.82597	6.23794	5.45254	5.84195
SCML4	4.96343	5.37505	5.30449	5.20029	5.38593	5.66862	5.42659	5.23007	5.23806
SEC63	8.62678	8.52257	8.8118	7.99847	5.88492	8.05519	8.30488	8.59869	8.16293
OSTM1	7.42883	7.33707	7.16567	7.52143	5.86618	7.35945	7.60425	8.13064	7.74817
SNX3	10.4718	9.83445	10.5527	10.6201	9.60118	10.7717	10.9514	10.5915	10.8864
SESN1	8.07591	7.96103	8.27341	5.94942	5.6453	5.68701	6.94144	5.75599	5.67797
PPIL6	5.99659	6.03763	6.1754	4.62995	5.26109	5.05256	5.69687	5.41529	4.87814
ZBTB24	7.63582	8.03277	7.9945	7.12461	5.89602	5.87862	7.61265	6.81817	6.84445
AK9	6.05839	5.89327	5.7297	5.31702	5.31312	5.06522	5.43083	5.22901	5.19305
mettl24	6.07069	6.02674	6.29196	6.34664	5.73211	6.23772	6.26187	6.40499	6.23216
DDO	5.45558	5.48341	5.28309	5.59468	5.96181	5.70253	5.78626	5.98174	5.5408
CDK19	8.89798	8.64826	8.32329	8.19553	6.61535	9.02057	8.33066	8.78979	8.76633

GSTM2P1	5.0171	5.49672	5.03347	5.63739	6.58732	5.34821	4.90975	5.7164	5.89786
TRAF3IP2	8.52867	8.32343	8.29534	8.01008	7.2922	8.56987	8.5104	8.96096	8.83838
LINC01268	3.77227	3.80813	3.67548	3.91751	4.37317	4.38228	3.7335	3.78868	3.92427
HS3ST5	4.3933	4.67123	4.3489	4.88077	6.01396	5.54122	5.26951	5.19991	5.22561
FRK	6.76779	7.10386	6.72706	5.96049	5.16774	5.4661	6.27994	5.13343	5.10948
TSPYL4	7.71147	7.65584	7.72058	6.98996	6.61704	7.10049	7.227	7.4458	7.44828
TSPYL1	8.68719	8.32129	8.66382	8.81365	7.27682	8.74334	8.90575	8.9511	9.3158
TRAPPC3L	3.58026	3.92727	4.11481	4.19099	4.20075	4.49537	4.15825	4.26844	4.13552
ZUFSP	6.28226	6.34173	6.5065	6.30078	4.87758	5.99308	6.05061	5.62413	5.86751
GOPC	8.53611	8.31109	8.39274	7.93157	5.32122	6.68367	8.11517	7.25003	7.30286
CEP85L	4.94653	5.03573	5.62611	4.56585	4.9892	4.92149	4.61205	4.82829	4.67273
MCM9	7.52079	7.68225	7.72285	7.07021	6.04471	6.17182	7.226	6.61753	6.66873
MIR548B	4.5065	4.15556	4.40729	4.1974	5.1735	3.66546	4.80842	4.14346	4.35341
LOC285762	3.82066	3.84044	3.74803	4.0902	4.9765	4.13555	4.0266	3.74871	3.67702
TBC1D32	7.03036	7.43912	7.04495	5.3523	4.98749	4.31069	5.16874	4.4152	4.66851
SERINC1	10.1144	10.0385	10.3167	9.44092	7.51297	10.3616	10.0045	10.3625	9.9863
TRDN	3.51021	3.7974	3.65768	3.89636	4.12011	4.11762	3.67416	4.02347	4.05959
RNF217-AS1	6.35217	6.14176	6.07499	5.74936	5.84439	5.43091	5.99564	5.77016	5.52409
HDDC2	9.43852	9.78322	9.91659	9.92852	7.95606	9.12095	10.462	8.67161	9.41387
ECHDC1	7.32469	6.95328	7.33411	6.33984	5.03487	5.58778	6.8211	5.97757	5.99911
SOGA3	5.14323	5.36803	5.41114	5.2758	5.48614	4.8796	4.84861	5.0404	5.24548
THEMIS	4.02184	4.77364	4.97531	4.15983	4.76772	4.77364	4.99777	4.73949	4.60584
arhgap18	7.18387	6.97906	7.37644	6.59863	5.1799	5.61759	6.53215	6.20804	6.07615
TMEM244	4.5373	4.8103	4.51314	4.87055	5.88093	5.04745	4.86132	4.8	4.71039
SAMD3	4.78924	5.0074	4.99948	5.01271	5.82537	5.09957	5.00047	4.93666	4.88415
EPB41L2	7.96263	7.50125	8.06898	6.35777	5.64554	5.79085	6.38795	6.22599	6.62157

MED23	9.37399	9.24267	9.54479	8.11596	6.3677	7.18235	8.09449	7.71387	8.18816
CTGF	9.76282	9.07372	9.80454	10.866	7.16844	8.4963	9.92332	10.3486	9.73438
MIR548AJ1	2.37217	1.81114	1.80428	1.99413	2.20123	2.5314	3.08425	2.10893	2.5003
STX7	8.53286	8.73518	8.76396	8.24793	6.64651	8.63961	8.69919	9.20359	8.55514
TAAR5	5.15347	5.51188	5.162	5.46123	7.28523	5.94609	5.33135	5.80664	5.63698
TAAR3	4.27708	4.14562	3.99457	4.86412	7.32089	4.89117	4.88317	4.81066	4.44681
TAAR2	3.17029	3.44154	3.33505	3.84019	5.33763	3.57942	3.51494	3.68792	3.42887
TAAR1	3.60481	3.66227	3.70292	3.52809	5.70233	4.57934	3.48385	3.61392	4.12514
VNN1	5.44347	4.56668	5.27444	4.74095	5.37521	5.88108	5.75001	5.35577	5.50264
VNN2	4.4087	4.16249	4.56586	4.67052	4.99635	5.23258	4.81054	4.92494	5.03854
HMGA1P7	6.66534	6.69288	6.88875	7.21049	7.912	7.46511	7.18937	7.28467	7.35904
SGK1	8.47045	7.59262	8.23615	8.684	7.42756	8.00461	8.16079	9.08735	8.73381
HBS1L	9.10523	8.96115	9.14135	8.67268	7.71865	8.35712	8.99892	8.85421	8.76376
MIR3662	5.37218	5.47023	5.39319	3.57642	3.6417	3.66809	4.8495	3.99076	3.8457
AHI1	7.88287	8.35663	8.03854	6.47613	5.07076	5.70029	6.36424	7.05945	7.00836
BCLAF1	9.02186	9.11089	9.17527	8.23077	6.81643	7.29823	8.39237	7.74245	8.28042
MAP7	9.72214	9.79121	9.58512	10.0349	8.98779	9.99911	10.4752	9.82402	10.3148
MAP3K5	8.65177	8.44124	8.19835	7.77124	6.08986	7.34427	8.87581	8.58915	8.28602
IFNGR1	8.83825	8.66704	8.82934	8.38601	6.58331	8.41236	8.82164	8.39619	8.81884
OLIG3	5.02587	5.01326	4.84532	5.08073	5.58185	6.06703	5.06398	5.60598	5.41802
LOC100130476	9.22116	9.37155	8.06063	7.87768	7.48508	6.71042	7.99944	8.08345	8.90031
PBOV1	3.43689	3.54981	3.01396	3.502	4.90418	3.13036	2.95079	3.24353	3.29029
NHSL1	8.89926	8.72204	8.62772	8.0513	7.14886	8.49738	8.04402	8.17332	8.80026
MIR3145	4.69348	4.66387	4.09647	2.86779	2.39983	2.53378	3.12997	3.50419	4.37176
REPS1	9.81434	10.1893	9.78885	9.10066	7.88898	9.25428	9.49787	9.49259	8.95968
TXLNB	5.6189	5.45013	5.63128	4.97973	5.77591	5.12184	5.30184	5.2074	5.12629

LINC01625	4.59491	4.53238	4.29542	4.8642	5.04639	4.83592	4.58431	3.80542	4.39372
NMBR	5.16203	4.94977	4.75293	4.84729	5.61082	4.73691	4.97128	4.95387	5.12827
LOC153910	4.7687	4.65178	4.59299	4.90233	5.17951	4.63216	4.52048	4.66681	4.87401
LINC01277	5.01159	5.3044	4.97151	5.20933	5.84953	4.79586	4.63237	5.10168	5.07812
PHACTR2-AS1	4.80005	4.99558	5.23662	5.53926	6.43682	5.69104	5.12	5.7809	5.42749
PLAGL1	10.0486	10.0841	9.70288	8.33121	7.79259	8.45837	8.30344	7.9774	8.83508
FBXO30	8.75176	9.07808	8.72207	9.17703	5.92981	8.16922	9.30154	8.50648	9.49505
KATNBL1P6	2.53048	2.62381	2.33662	2.97609	3.52696	3.23664	2.9479	3.1478	2.43475
STXBP5-AS1	5.73276	5.67088	4.84829	5.63417	5.28593	5.17467	5.34988	5.64303	5.99049
UST-AS1	5.21888	5.1188	4.93495	5.00894	5.75336	5.40691	5.19256	5.55218	5.10771
ZC3H12D	5.93797	5.54935	5.8972	6.10848	6.34353	6.10005	5.96725	5.74716	6.0301
PPIL4	8.05395	7.60972	8.15334	6.47782	4.89831	6.67025	6.86156	6.52674	6.66402
KATNA1	7.78494	8.03871	7.70119	8.03045	6.37549	8.53522	8.14129	8.11667	8.03747
NUP43	8.12987	8.48849	8.00452	7.39285	6.54665	6.93573	7.39111	6.95839	6.99769
LRP11	7.68567	7.46423	7.40396	8.06144	6.20767	8.44692	8.52017	8.97867	8.72892
RAET1E	8.75053	8.80236	7.84431	8.6747	7.54818	9.24097	9.4687	8.7124	9.65631
RAET1K	2.84912	2.62014	2.65513	2.84237	2.45136	2.95474	2.78938	3.05396	2.59653
RAET1L	4.07113	3.65622	3.03474	5.07461	4.39684	6.36313	7.21589	5.91986	7.09242
ULBP3	5.12654	5.34443	5.36984	6.27077	5.84162	6.65687	7.50203	6.66892	6.84246
ZBTB2	8.416	8.05061	8.26649	7.30682	6.65276	6.74585	7.96518	6.79268	6.91647
RMND1	6.91737	6.62734	7.04523	6.21459	4.04306	4.45777	6.27136	5.22119	4.87948
FBXO5	6.73133	6.84638	6.58131	6.92435	5.0902	6.23845	7.38793	6.22175	6.57314
RGS17	5.59716	5.11027	5.58728	6.16948	5.2735	6.73785	6.62879	7.76424	7.08989
IPCEF1	6.27479	6.24069	6.46122	5.25175	6.426	5.19135	5.43209	5.00876	5.39856
cnksr3	7.61377	7.80893	7.52711	7.07046	6.28183	8.20147	8.19042	6.82534	7.34169
NOX3	4.32556	4.69666	4.60442	5.03455	6.36678	5.30886	5.03954	5.27183	5.0849

TMEM242	7.505	7.0577	7.51652	7.00352	5.39844	7.08078	7.51705	7.57613	6.88826
SERAC1	7.9202	7.85739	7.65816	7.48183	6.94458	8.38558	8.03274	8.77449	8.17186
MIR3918	7.24484	6.74846	6.73296	5.63381	6.29679	6.02195	6.22571	7.06652	7.07865
EZR	11.1762	11.0735	11.0061	11.4753	10.1964	12.5006	11.5554	12.1935	12.0263
OSTCP1	4.81982	4.10761	4.88808	5.01658	5.1365	5.717	5.62998	5.51273	5.01312
RSPH3	7.77045	7.92178	7.48076	7.60825	5.94394	7.68174	8.0807	7.94328	7.8137
TAGAP	6.34779	5.75637	6.69062	6.16379	6.2415	7.1508	6.13328	6.24295	6.0843
AGPAT4-IT1	6.22819	5.92689	6.35059	6.82599	6.93364	6.32065	6.32665	7.45009	7.15161
PACRG-AS1	4.84333	4.84915	4.5578	4.59042	4.94994	5.09677	5.15567	4.81761	5.18627
DKFZp451B082	4.38943	4.75612	4.56216	4.92018	5.55347	5.6567	4.66223	5.21066	5.09956
Cahm	6.49937	5.88527	6.42056	6.11732	6.01119	6.47568	6.31009	5.9854	6.23854
C6orf118	3.67536	3.5105	3.76803	4.01848	4.24755	4.21825	4.13109	4.12983	4.38524
PDE10A	6.43085	5.41908	6.03714	5.82583	6.33626	6.23014	5.85762	6.36006	6.27821
LINC00473	5.71594	5.28116	4.9998	5.20016	5.80008	5.57861	5.35691	5.2903	5.25481
PRR18	5.66445	5.96658	5.78328	6.63163	6.67675	6.55669	6.40522	6.22501	6.06525
SFT2D1	7.58811	7.70174	7.67694	8.16994	5.74111	7.31643	8.21767	7.36349	7.77091
MPC1	8.28435	8.48082	8.8181	8.10755	6.92444	7.4063	8.43022	7.63633	7.92339
RPS6KA2-IT1	6.23262	6.38494	6.67619	5.36892	6.41611	6.10861	5.62395	6.2395	5.94739
MIR1913	7.19905	7.16563	7.53031	6.5639	8.44135	6.63715	6.84537	7.322	7.43947
RNASET2	6.82581	6.48926	7.14436	5.50223	5.29027	5.84229	6.31322	5.05715	5.54688
MIR3939	6.93877	7.8701	7.23222	6.22887	6.05731	6.32105	6.23494	6.3747	6.54805
GPR31	4.22357	4.2785	4.71399	5.24061	5.51531	5.41421	4.95406	5.139	5.16648
AFDN-AS1	4.33499	4.33208	4.75095	4.77394	5.40206	4.80575	4.75189	5.18281	5.39404
HGC6.3	4.85229	5.36306	5.15594	5.64464	6.03832	6.65178	5.94748	6.17342	6.31041
FRMD1	4.70645	5.12577	5.15269	5.12781	5.73567	5.67681	5.08413	5.37668	5.48281
THBS2	10.6584	8.35978	9.74522	10.1375	6.17334	9.14989	9.87512	9.71207	8.89067

WDR27	6.86158	6.89703	6.65022	6.19197	6.27646	6.16161	6.00376	6.52865	6.22823
PHF10	8.95541	8.6774	8.73994	8.19095	6.07951	8.00986	8.8191	7.73357	8.19871
TCTE3	3.60418	3.98267	4.02796	4.17003	4.43024	4.77647	4.45412	4.17733	4.79838
LINC00242	4.48659	4.75816	4.5038	4.90842	5.56905	5.32909	5.03256	5.2045	4.67234
LOC154449	5.76655	5.91345	5.7374	5.78237	6.19094	5.87546	5.74186	6.1634	6.02367
DLL1	8.23927	8.26899	8.07067	7.99537	6.30772	7.23385	7.90736	7.83041	7.72108
PDCD2	7.35111	7.88966	7.6388	7.73818	6.50237	6.81474	7.79243	6.93001	6.94122
RPL23AP53	8.1295	8.19511	8.15072	8.01836	8.14545	8.83714	8.16718	9.24586	8.31452
MSH5-SAPCD1	7.19911	9.26163	8.13587	6.77525	7.44285	6.8497	6.23899	7.44228	6.46196
HCG23	5.02108	5.15357	4.88647	4.92649	5.62203	5.20968	4.56793	5.30164	5.11916
HCG17	4.65212	4.53562	4.16401	4.40188	5.22891	4.44437	4.6233	4.14273	4.20618
PBX2	7.61532	7.26894	7.57618	6.69961	6.82047	6.90953	7.18509	7.86889	7.23485
GPX5	5.38668	5.47079	5.21977	5.64594	6.40966	5.47097	5.72778	6.07996	5.87949
ddr1	8.83621	8.39564	8.44349	8.83077	7.66941	8.68489	9.18314	8.28964	8.56742
MIR4640	6.12144	5.5611	6.07071	6.24907	6.00934	6.32316	5.83306	6.19303	6.07759
HCG27	6.80861	6.9502	7.10277	6.98329	7.78294	6.86116	7.09828	7.07072	6.9874
HCP5	7.97561	7.61224	7.69275	7.07369	6.69739	6.71629	6.66227	7.13472	7.17791
C6orf48	7.77825	7.35485	7.49467	7.80782	6.29022	7.40633	7.63488	7.16947	6.94348
PSMB8-AS1	6.12697	6.10828	6.19638	6.31049	6.68736	6.56215	6.35619	6.29457	6.12023
ZBED9	4.75696	5.23345	4.89649	4.97125	6.07691	5.74152	5.42699	5.86042	5.44946
C6orf10	4.27482	4.88665	4.62475	4.4046	5.26893	4.53212	4.44308	4.52894	4.45441
CLIC1	10.2106	10.3268	10.2318	10.8577	9.55829	10.7937	10.7621	10.5342	10.8466
MSH5	8.39589	8.50205	8.31318	6.70278	7.1421	6.25539	6.30916	6.73998	6.49483
WI2-2373I1.2	5.89809	6.19322	5.85814	6.66634	6.75276	6.81848	6.57935	6.03843	6.22541
LOC442497	5.61179	5.53519	5.38038	5.96217	5.64485	5.82663	5.36608	6.21491	5.90597
HRAT92	5.36463	5.22744	5.57106	5.92951	6.05006	6.3703	5.3203	5.89974	5.97428

DNAAF5	7.81563	7.67201	7.5609	7.95797	7.06312	7.36787	8.15715	7.54349	7.24252
SUN1	8.81015	8.85669	8.77812	8.12803	7.13505	8.27584	8.22803	9.3389	8.50204
GET4	7.10395	6.95776	6.83911	7.63078	6.40963	8.23933	7.66009	7.27111	7.36783
GPR146	6.67405	6.67857	6.79053	6.62584	7.25441	7.32732	6.77765	6.87549	6.86836
GPFR1	6.1717	6.27014	6.21808	6.41104	7.33523	6.51959	6.81337	6.57459	6.42842
UNCX	6.93048	6.62872	6.89997	7.18713	7.25503	7.59046	7.13812	7.28479	7.19116
MAFK	6.41524	6.16915	6.26476	6.69596	5.66651	6.82065	7.02056	7.56848	6.90355
PSMG3-AS1	5.24232	5.67871	5.75273	6.07926	5.75456	6.23879	5.79946	5.89901	6.23229
ELFN1	6.73467	6.11497	6.40016	6.89996	6.47273	6.62583	6.7169	6.53474	6.71706
NUDT1	6.27301	6.18491	6.59761	6.46223	5.62671	6.37101	6.4007	6.24867	5.81374
CHST12	6.82856	6.94189	6.90866	7.2772	5.32895	6.70447	6.93922	6.22781	5.78342
LFNG	6.86658	7.36066	7.11858	7.0686	6.7014	6.6741	6.74533	6.85423	6.74245
IQCE	6.69419	6.49623	6.6771	6.47241	6.35119	6.55624	7.19637	6.43855	6.34868
TTYH3	7.36777	6.83177	7.3189	8.19956	7.91231	8.5564	8.49233	8.80447	8.37888
AMZ1	5.50131	5.60143	5.763	6.23974	6.75035	6.32156	5.96548	5.92618	5.97174
SDK1	6.83673	7.63336	7.22577	6.79558	6.55985	6.66897	7.00753	6.8402	6.85188
FOXK1	8.32411	7.75763	8.23181	7.79986	7.14802	7.56596	8.51188	7.82552	7.46693
RNF216P1	6.09164	5.57881	5.9633	5.24705	4.76395	5.43829	5.90387	5.38813	5.62069
RBAK	8.06666	8.15085	8.02392	7.97173	6.90063	7.84915	7.95462	7.56563	7.49279
FBXL18	5.85213	6.05758	5.98949	6.25799	5.94919	6.38319	6.29579	6.35237	6.39156
Ocm	5.20771	5.31306	5.27331	5.23495	5.7472	5.9647	5.19503	5.03886	5.86305
CCZ1	7.77487	7.96502	7.6277	5.76981	5.61938	6.25873	6.48452	6.03765	6.73193
AIMP2	8.68938	8.7477	8.88548	9.5289	7.39182	8.64243	9.88609	7.9395	8.99084
USP42	7.94495	7.68739	7.88923	7.45173	5.60381	6.49556	7.06568	6.68536	7.04002
ZNF853	5.93674	6.06021	6.20646	6.6461	5.96425	6.83767	5.97232	6.36214	6.46593
PMS2CL	7.25245	7.00567	6.61276	6.32189	4.37716	6.71271	7.10954	5.99182	5.89387

RSPH10B2	3.78956	3.79294	3.45008	4.13386	4.2295	4.49723	3.45675	3.91601	4.07093
GLCCI1	7.34854	7.35744	7.03694	5.97827	5.55802	5.24373	5.27539	5.84263	5.25023
NXPH1	4.18653	3.9365	3.93041	4.88627	5.41665	4.25846	4.51903	4.49542	4.51542
PER4	3.7123	3.55276	3.55695	4.1557	4.56942	3.81032	3.7834	3.90771	4.13676
PHF14	8.11119	8.49434	7.98476	6.90913	5.744	5.44403	7.18091	5.97838	6.10056
TMEM106B	8.63298	8.61626	8.75291	7.64406	6.48671	6.49857	8.01459	7.30497	7.57846
SCIN	5.87897	6.41135	6.51682	5.47441	5.68525	5.43957	5.40892	5.53184	5.51876
ARL4A	7.35969	6.68509	7.12488	7.10194	6.05227	6.9916	7.2874	6.8237	6.7901
ISPD-AS1	4.89447	4.97109	4.90998	4.91448	5.56051	4.93393	4.71404	5.42496	4.40565
LRRC72	4.59829	4.71789	4.6577	5.24014	5.04883	5.14557	5.05602	4.80269	4.83105
BZW2	8.58827	8.44525	8.44674	8.0041	5.42214	7.40096	8.19642	6.82969	7.11991
TSPAN13	7.44566	7.7192	7.88536	8.38783	6.56827	9.0877	7.45734	10.2061	8.34823
AHR	11.4567	10.5191	11.3075	10.0763	6.62957	8.94107	10.1148	10.0274	10.0023
HDAC9	5.63055	5.48222	5.52487	5.39475	6.11088	5.3146	5.06934	5.39476	5.25997
MACC1-AS1	3.05284	2.79738	2.76115	2.70832	3.76611	3.48989	2.82241	2.88561	2.90894
RPL23P8	5.16946	5.35476	5.23819	5.53449	6.45864	5.68701	5.58947	5.42919	5.01163
SP4	7.79296	8.1275	7.85718	6.11644	6.07877	5.33808	6.3482	6.29024	6.09216
MIR1183	3.09881	3.51129	3.60144	2.83922	3.9535	4.10535	3.51872	3.00343	3.4397
LOC100506178	4.40858	4.75542	5.01996	4.63823	5.47465	5.21449	5.1071	5.37741	5.44008
KLHL7	7.61146	7.69986	7.51727	7.42734	6.10363	7.3293	7.74917	7.82445	7.44869
NUPL2	7.17596	7.40773	7.14158	6.76218	5.7198	6.27254	6.98602	6.72549	6.49382
GPNMB	11.2002	10.7764	11.2232	10.518	7.49206	9.56965	10.5815	9.17598	9.8435
MALSU1	6.81043	7.15524	6.78715	6.77717	5.82385	5.67404	6.88028	6.02821	6.10945
RPS2P32	5.6957	5.53112	5.60521	6.18376	5.71076	6.38295	6.13506	5.76077	5.55016
CCDC126	6.74327	6.86875	6.65658	6.94273	5.58235	6.4439	6.68537	6.69702	6.35003
STK31	4.53035	4.30631	4.28387	4.82214	5.52584	4.48073	4.48232	4.42203	4.18506

NPY	5.68441	6.08503	5.71839	6.31779	6.1035	7.4522	6.20454	6.63432	6.27505
nfe2l3	9.0075	7.73053	9.05596	6.63597	4.89311	4.99978	6.48593	4.99403	4.93998
CBX3	7.41772	7.75925	7.6704	7.58751	5.35306	6.56666	7.24162	7.27057	6.97858
LOC441204	5.83587	5.75803	5.98	5.74695	6.4545	5.85465	5.74084	5.5914	5.48078
C7orf71	4.82463	4.67889	4.79344	5.10765	5.41638	5.47302	4.84736	4.93469	5.25878
HOXA-AS3	5.34839	5.29281	5.7811	6.06347	5.63094	6.11473	5.80992	5.68907	6.04811
HOXA10-AS	6.86723	6.93256	7.25418	7.1577	6.58732	6.96949	7.35294	6.94627	6.92512
HOXA11-AS	4.84095	4.85566	5.10967	5.65212	5.84849	5.7878	5.4978	5.51037	5.49375
HOTTIP	5.0904	5.17097	5.20897	5.77919	6.08853	6.00988	5.56608	5.4359	5.58773
EVX1	6.09	5.88951	6.04484	6.87175	6.24764	6.61041	6.32597	6.52888	6.85036
TAX1BP1	9.88822	9.62119	9.51526	9.20125	7.46096	9.88912	9.44273	9.64005	9.47317
JAZF1-AS1	4.89916	5.23758	4.92931	5.49256	5.89875	5.38783	4.91452	5.29714	5.15079
CREB5	7.22087	6.27012	6.7199	7.11613	6.44624	7.06814	6.7786	7.45749	7.06503
TRIL	6.34762	6.438	6.28684	7.02954	6.84342	7.37705	7.08684	6.91729	6.82889
LOC100506497	4.77493	4.87857	5.05167	5.07617	4.68242	4.73686	3.51069	4.47302	4.29505
CHN2	6.81285	7.20653	6.91139	7.04368	7.07587	6.4673	6.63276	6.83523	6.72375
PRR15	5.04572	5.13573	5.06389	5.75799	5.42456	5.84708	5.4277	5.23252	5.41238
DPY19L2P3	4.72336	4.91231	4.82694	5.17472	5.68613	5.38637	4.83101	4.99763	4.67332
MTURN	7.2784	7.32626	7.23295	6.82456	6.60962	6.45536	7.24696	7.78997	6.93769
ZNRF2	8.06194	8.32761	8.32128	6.64362	5.63243	6.67161	6.29964	7.56211	8.12492
MIR550A1	5.21968	4.47608	4.77055	3.6595	3.9204	4.46121	3.93788	6.86229	5.25663
DKFZP586I1420	8.32719	8.47816	8.1528	6.76467	5.37765	6.64327	7.65756	8.84664	8.04083
LOC401320	5.45029	5.17791	5.23345	4.98292	6.04645	5.55573	5.22823	4.39997	4.76462
GARS	9.81358	9.5075	9.50952	9.71898	8.53492	10.5106	9.81399	10.4094	10.2512
AQP1	9.07684	8.83138	10.0613	8.71738	7.56711	7.92587	9.09282	9.0608	9.43229
GHRHR	5.84031	6.11606	5.68346	6.34258	6.92314	6.48167	6.1304	6.20098	6.317

ADCYAP1R1	5.31887	5.86702	5.60962	5.94328	6.05178	5.8931	5.62927	5.78062	5.79477
CCDC129	6.51311	6.61926	6.81725	5.48244	6.55017	5.15295	5.09874	6.15906	5.6459
AVL9	8.25659	8.30342	8.33353	7.60377	5.95355	8.02907	8.31299	7.80889	7.8001
ZNRF2P1	7.89873	7.66322	7.42967	5.96818	5.77485	5.73978	5.68112	7.92206	6.54278
MIR550A2	4.44097	4.58129	4.87328	5.2896	4.62106	5.02377	4.53528	4.91805	4.85072
LINC00997	7.6974	6.59174	6.9193	5.7377	5.40274	5.21864	6.63703	6.42448	6.12757
BBS9	6.99546	7.28372	6.6073	5.44539	4.67124	5.55588	5.5324	5.35401	5.18573
BMPER	5.81898	5.96039	5.95357	6.27327	6.81928	6.28114	6.04773	5.93123	5.92273
NPSR1	4.73743	4.7801	4.7991	5.35827	6.18543	5.29549	5.19998	5.14131	5.21118
LOC401324	4.59132	4.63983	5.01626	5.14931	6.62824	5.41536	4.53161	5.09111	4.98826
44446	8.22437	8.12212	7.96354	7.6044	6.53491	7.30172	7.72764	7.8657	7.68787
EEPD1	8.02992	8.18274	7.78444	7.60766	7.94027	7.0137	7.9249	8.05465	6.86739
gpr141	4.88485	4.81664	5.04174	4.97057	6.1394	5.38258	5.3359	5.0402	4.89109
nme8	3.31364	3.41185	3.5566	3.75945	4.48733	3.85025	3.85991	3.59374	3.89581
EPDR1	5.20411	5.10844	5.41495	5.29592	4.71991	5.56354	5.30465	5.02819	4.92456
STARD3NL	5.84408	5.73728	6.07238	6.34964	5.06777	5.61324	6.27182	5.88369	6.03154
TRG-AS1	4.99399	4.90731	4.83414	4.55775	5.79359	5.55482	5.28482	5.35147	5.53604
pou6f2	5.68675	5.60634	5.78174	5.60884	6.70205	5.90423	5.67111	5.76451	5.99871
YAE1D1	9.06251	9.42274	9.31478	8.39671	7.18297	7.33302	9.09754	7.91207	8.55181
LOC646999	3.89633	3.76008	3.96356	4.04014	4.16532	4.32556	4.11296	4.23831	4.39046
RALA	7.28071	7.25063	7.31398	7.70964	6.32659	8.34889	8.22245	8.67817	8.65273
LINC00265	8.04586	7.90849	7.88795	7.21662	7.46795	6.68176	7.14205	7.78827	7.80802
CDK13	9.83326	9.82102	9.73203	8.68431	6.49193	8.56651	9.04878	8.69881	9.44052
SUGCT	5.90047	5.71782	5.99633	5.01165	6.49431	5.56115	5.96069	5.79688	5.81608
INHBA-AS1	4.92804	4.95783	4.72739	4.95756	6.20854	4.88465	4.75779	5.04598	4.96535
MRPL32	6.94964	6.86524	6.67937	7.30969	6.54326	7.06416	7.25322	6.71264	7.07378

MIR3943	3.3057	3.68271	3.68861	4.04613	4.08075	4.32903	4.07498	3.94294	4.55783
STK17A	8.06456	7.42133	7.58649	10.2714	7.98973	10.3952	10.234	11.1701	11.1987
BLVRA	7.28638	7.20659	6.96775	7.1331	6.4713	7.43296	7.65724	6.85829	6.87118
ube2d4	6.62677	7.16276	6.77853	6.21279	6.40894	6.0644	6.64005	6.05987	6.13642
Spdye1	6.47027	6.12851	6.15622	6.72272	8.79185	6.47812	6.59684	6.484	7.21751
LINC00957	6.1919	6.20751	6.50789	6.366	6.45433	5.7897	6.71699	6.61277	6.366
DBNL	7.90085	7.9068	7.83407	8.41679	7.07234	8.40683	8.72909	8.67952	8.81487
AEBP1	7.74426	7.90849	7.82868	7.83153	8.01301	7.66048	7.6156	7.75113	7.45992
YKT6	7.45326	7.67338	7.42315	8.09546	6.47372	8.35329	8.14432	8.14609	8.48056
OGDH	9.86275	9.39635	9.4945	9.67058	7.10586	9.30642	10.2406	9.71844	10.3114
PPIA	7.69434	7.86212	8.07377	7.11028	5.80137	6.81098	8.03783	6.82174	6.89371
CCM2	6.30373	6.07437	5.67514	5.82677	5.49218	5.46715	5.72224	5.99437	7.00388
RAMP3	6.46571	6.84545	7.11421	6.79294	7.2072	7.0056	6.75142	6.85318	7.07077
ADCY1	5.97954	6.09069	6.24588	6.49491	6.84429	6.72627	6.52132	6.31262	6.3733
IGFBP1	4.28768	4.46819	4.41265	5.41326	4.85425	5.44063	4.73677	5.17369	5.1504
C7orf65	7.08274	6.85006	6.90705	7.2358	7.60427	7.35563	7.08761	7.12669	7.19436
LINC00525	4.8083	5.3091	5.216	4.81411	6.45311	4.80032	4.53318	5.35068	4.93703
C7orf69	3.01591	3.14759	2.91899	3.83086	3.85444	3.3984	3.54314	3.83598	3.29188
c7orf57	5.68232	5.79529	5.48023	6.51925	6.65948	7.18952	6.49318	6.94009	6.48221
UPP1	6.22506	5.68387	5.70516	9.58927	9.13347	11.0257	9.51313	11.1817	10.8432
CDC14C	4.12121	4.11615	3.88529	4.71443	5.11085	5.21446	5.00156	4.85315	4.93196
VWC2	7.34585	6.01854	6.59244	6.1062	5.70411	5.84881	5.99749	5.69727	6.07892
C7orf72	3.40409	3.35282	3.44822	3.88993	4.02525	4.40058	3.79568	3.57135	3.4141
IKZF1	5.81813	5.61032	6.59432	5.72139	6.14552	5.94406	5.79512	5.62209	5.72666
DDC-AS1	6.32403	6.68857	6.48571	6.88738	8.02463	7.06007	6.3784	6.89957	6.99289
POM121L12	5.53859	5.67533	5.81319	6.33626	6.63128	6.87481	5.91593	6.5159	6.316

VSTM2A	5.10984	5.19166	5.61275	5.6822	6.56668	6.16532	5.94479	5.85241	6.14777
VSTM2A-OT1	4.25208	4.53681	4.35519	4.33857	4.60092	5.00444	4.16282	4.26627	4.52921
EGFR	10.8384	10.5901	11.013	9.47404	7.59815	9.7616	9.88073	10.2279	10.0646
LANCL2	7.75379	7.59991	7.83552	7.36172	5.7506	7.00815	7.95352	6.26973	7.15357
ZNF713	6.1814	6.56069	5.97707	5.44487	5.92552	5.38783	5.23119	5.19863	5.40204
GBAS	7.83507	7.36882	7.91851	6.53689	5.34523	6.45821	7.13464	6.4074	6.15428
MRPS17	7.17284	7.00843	6.9613	8.21849	6.28013	7.48398	8.19955	7.09712	7.2122
SUMF2	9.72499	9.57126	9.65022	9.44232	7.8897	8.55184	9.62519	8.7344	8.89251
DKFZp434L192	5.00597	4.94762	4.97027	4.97275	5.43585	5.52661	5.17909	5.24967	5.13661
MIR3147	5.86613	6.15933	5.47177	7.81343	7.73606	7.27925	7.17665	7.81826	7.42451
ZNF716	3.28505	2.97423	2.83771	3.89558	4.1399	3.4179	3.67637	3.19822	3.33613
MIR4283-1	5.21082	5.21074	5.41284	5.86025	7.08172	5.87614	5.73892	5.74418	5.85214
ZNF727	6.81092	6.87819	6.5193	5.37022	6.24161	6.11072	5.10451	5.1522	5.07148
ZNF735	3.52522	3.21583	2.80057	4.01718	4.06257	4.22277	3.47758	4.22377	4.22803
ZNF679	3.63539	3.28742	3.24984	3.93674	4.76762	3.48651	3.3459	3.90522	3.92833
ZNF736	7.41687	7.42672	7.32458	6.6863	6.4454	6.47199	6.70344	7.36919	7.3658
LOC641746	3.94306	4.26689	4.00561	4.41128	4.40588	4.22617	4.87734	4.23145	5.06441
ZNF107	7.75584	8.22572	8.10413	7.16711	7.34504	6.86124	7.08663	5.93278	6.30508
ZNF138	8.73663	8.65329	8.72705	6.88081	7.80399	6.07478	7.46047	7.50541	6.69348
ZNF273	7.06558	7.35969	7.40275	6.81832	6.51115	5.88529	6.7719	6.90072	6.21531
ZNF92	5.62305	5.22793	4.99395	3.93095	3.68392	4.12484	5.29561	4.24779	4.36655
LOC441242	5.8531	6.11665	6.08328	6.54228	7.93285	6.71421	6.45083	6.65509	6.63252
INTS4P2	8.06041	7.92147	8.3145	8.03469	8.84337	7.3315	8.18429	8.05163	7.8137
ASL	6.82257	6.66312	7.04283	7.69397	6.55032	8.18622	7.84597	7.6033	7.53788
CRCP	7.69983	7.24902	7.40328	6.90392	5.54978	7.38486	7.57054	6.97025	7.30061
TPST1	7.51287	7.42851	7.6271	7.36864	6.71625	6.7915	7.37054	7.43406	7.28845

KCTD7	7.38538	7.22365	7.26648	6.80499	7.07401	7.03423	6.61675	7.79503	7.36412
RABGEF1	8.86483	8.82627	8.90086	9.13604	7.62976	9.3589	8.93781	9.34856	9.71224
TMEM248	8.89664	8.90375	9.18663	8.82813	7.7761	8.4133	8.88755	8.74032	8.95384
TYW1	7.72773	7.43174	7.67643	6.57645	6.19232	6.92904	6.43974	6.95024	6.97525
STAG3L4	6.61544	7.44844	7.05274	6.35754	6.00659	4.77753	5.55045	7.52752	6.41615
AUTS2	7.48927	7.40606	7.1628	6.60092	5.64869	6.09679	5.87836	6.0968	5.98232
WBSCR17	5.80675	5.96364	5.94376	6.06346	6.36202	6.51882	5.84895	6.16987	6.10344
MIR3914-1	2.20534	2.26112	1.89496	2.59565	1.87458	2.32628	2.28548	2.02705	2.27099
MIR4650-1	3.74383	3.87381	4.2322	3.95145	4.67448	4.28455	4.12657	3.82124	4.07754
SBDSP1	6.07572	6.418	6.18368	6.43061	7.14343	6.67531	6.64932	5.90488	6.1378
pom121	8.60104	8.44079	8.48324	7.83712	8.19793	7.10182	7.77054	7.56534	7.60496
PMS2P2	11.3099	11.2174	11.3868	9.21381	9.30918	8.58557	9.47818	8.83027	9.1672
NCF1B	4.98361	5.45136	5.3178	5.50674	5.94123	5.24179	5.38208	5.99618	6.41905
FZD9	4.68171	4.95401	5.06922	5.31648	4.99222	5.38797	4.89961	4.86585	4.87618
VPS37D	5.41915	5.8047	5.49798	6.53903	6.04604	6.25569	6.67914	5.87279	6.28446
WBSCR22	7.28763	7.14135	7.21176	7.04166	7.08369	7.2402	7.22229	7.23568	7.37342
ABHD11-AS1	6.05792	6.10896	5.82875	6.82686	5.91076	6.46955	6.10067	6.40585	6.26882
ABHD11	4.78136	4.81195	4.77462	4.91137	4.17	4.99497	5.30485	4.83407	4.53661
CLDN4	5.93593	6.35758	5.86556	7.55025	8.03183	7.89858	7.55018	8.03704	7.63767
WBSCR28	4.99039	5.3562	5.30924	5.42059	5.65703	5.52005	4.86972	5.30175	5.65703
ELN	6.22384	6.37959	6.50917	6.01657	6.14668	6.32668	6.09154	6.11188	6.1592
LIMK1	6.86026	6.69912	6.79267	7.82276	6.61667	8.13653	7.81714	7.56298	7.30021
EIF4H	11.1868	11.0623	10.815	10.9231	9.94523	11.0541	10.8277	11.1521	10.8407
Mir590	9.26514	8.60974	8.57946	6.80732	4.05514	4.37134	5.60328	8.07327	7.66604
CLIP2	7.19111	6.85909	7.14473	6.98938	6.95822	7.28633	6.8889	7.21326	6.99029
GTF2IRD1	8.43561	8.35184	8.16789	8.26115	6.7597	9.15576	8.58264	7.73367	8.52718

GTF2I	9.44653	9.4048	9.29456	7.95937	5.9952	7.36647	8.28125	7.91451	7.49523
PMS2P5	6.60841	6.61618	6.4677	6.87016	6.25874	6.56149	6.38782	6.33721	6.27848
SPDYE5	4.89957	4.71886	4.51357	4.38719	5.34058	4.1135	4.4649	4.69706	4.55691
RCC1L	7.40397	7.40021	7.45856	7.60051	7.45594	7.48005	7.69086	7.40815	7.40428
STAG3L1	7.14458	7.28157	7.18096	5.93996	6.85929	6.34762	6.42541	6.48172	6.37353
rhbdd2	7.55979	7.67959	7.68481	8.01952	7.75135	8.17898	8.54054	7.85342	8.12041
POR	6.9114	6.92611	6.53657	7.20609	6.82591	8.2515	7.37279	8.14637	7.40853
SRRM3	6.5387	6.55505	6.48706	7.1245	6.84629	7.52453	6.97078	7.21997	7.06501
HSPB1	13.5431	12.7536	13.0636	13.4527	13.298	13.1606	13.4783	13.3737	13.4208
ZP3	6.29029	6.52058	6.3779	6.65935	6.33252	6.67068	7.03787	6.26971	6.44484
DTX2	7.5795	7.60252	7.47363	7.07367	7.252	7.01041	7.14512	7.27801	6.96067
upk3b	6.45331	6.64167	6.71257	6.69525	6.76848	6.57503	6.19413	6.29155	6.14128
LOC100133091	9.69381	9.59281	9.52083	7.29989	9.2196	6.99273	7.08432	9.19422	9.07457
DTX2P1-UPK3BP1- PMS2P11	8.83144	9.0162	8.92479	8.37592	8.60874	8.43839	8.42449	8.4548	8.55199
PMS2P9	8.42678	8.16404	8.73204	5.85978	6.31895	4.55516	5.45532	6.66399	6.68576
CCDC146	8.33878	8.96402	8.45709	5.83231	5.71733	5.68864	6.20687	5.0779	5.35662
RSBN1L	6.69847	6.77138	6.77829	6.35067	5.35442	5.74189	6.19276	6.45644	6.0015
PHTF2	7.54957	7.81013	7.73571	6.85459	5.47499	6.3506	7.09117	7.90042	6.93428
RPL13AP17	3.77499	3.99706	3.98142	4.40839	4.64303	4.51493	4.12735	4.3303	4.23272
MAGI2-AS2	2.76679	2.90623	2.66941	2.99104	3.72581	3.01497	2.92414	2.97958	2.98551
MAGI2-AS3	6.30272	6.22568	6.55757	5.56446	5.73087	5.48523	5.45553	6.20268	6.18673
CD36	9.57232	9.1218	8.68032	8.53877	7.2703	7.39912	7.48928	4.87844	5.29375
DMTF1	9.33467	9.40018	9.04071	7.80186	6.44256	7.13914	7.53004	8.17455	8.64122
CROT	8.72931	7.73187	8.70612	6.76731	5.57064	5.86662	7.56973	6.80217	6.64502
RUNDC3B	6.1065	5.83271	6.42611	6.05582	5.85394	5.83028	5.95041	5.60096	6.2151

DBF4	6.59414	6.42164	6.6686	5.90119	5.16285	5.33385	6.1675	5.43759	5.13917
ADAM22	4.65725	4.3783	4.3988	4.43377	5.10924	4.43091	4.42888	4.38847	4.21861
ZNF804B	5.7121	5.7293	5.8475	6.39936	6.28947	6.06427	6.31069	6.14406	5.94411
DPY19L2P4	3.82277	3.89048	3.89092	4.18476	3.77394	3.58731	3.89955	3.74984	3.69937
STEAP1	4.22978	3.24515	4.43331	3.40144	3.59008	3.69297	3.93788	4.01677	4.49816
CFAP69	5.68235	5.22042	6.03619	4.72299	4.54124	4.62678	4.85067	4.59393	4.70858
GTPBP10	8.44701	8.57461	8.59582	7.14861	6.50302	6.84828	8.14002	7.40019	7.23573
CLDN12	5.84587	5.69802	5.84537	5.61782	6.57758	5.27471	6.18237	6.80272	6.41226
CDK14	7.18553	6.89793	7.03027	7.10332	6.41501	6.76253	7.30391	7.17354	7.49769
FZD1	8.70733	8.35811	9.08661	8.3701	6.76437	7.67013	8.50642	7.45728	6.94989
AKAP9	9.20018	9.33929	9.1676	7.36059	5.73053	6.91909	7.60907	8.60168	7.84104
ANKIB1	10.1756	10.2537	9.98307	9.0453	7.04549	8.57263	9.2233	8.99786	9.12761
GATAD1	8.3908	8.77446	8.31041	7.34305	5.99133	6.72253	7.39631	6.78991	6.84535
RBM48	6.32078	6.12761	6.27094	5.69862	4.6161	5.38072	5.60835	5.61499	6.19216
VPS50	7.56109	7.41119	7.48332	6.8284	4.9912	6.58133	7.32276	6.51294	7.03342
CASD1	8.26725	8.13375	8.20153	6.97348	5.79584	6.01163	7.36175	6.39921	6.6686
PEG10	6.09416	6.10981	5.92562	6.1413	6.72373	5.88812	6.17418	5.81009	5.91557
ASB4	4.63533	5.24056	4.64652	5.1224	5.9496	5.55865	5.03297	5.23005	5.04642
DLX6	6.37561	6.86185	6.78178	6.82146	6.24799	6.84517	6.57792	6.64319	6.51546
SDHAF3	6.25862	6.36499	6.51468	6.10976	4.21927	5.40448	6.8845	5.63428	5.80072
LMTK2	8.77904	8.32861	8.56696	8.44118	6.54252	9.26987	8.74306	10.2764	9.40349
bri3	6.33036	6.31718	6.19611	6.27494	5.99639	6.29294	6.86624	6.2217	6.21333
NPTX2	5.95152	6.40269	6.56046	6.99008	6.88509	6.782	6.81538	6.82619	7.05712
TRRAP	8.72195	8.79549	8.74215	7.66363	6.1861	7.24155	7.65031	7.56341	7.75101
MIR3609	3.14711	3.05378	3.46235	3.1861	2.56576	2.93973	2.88073	2.93423	2.63441
BUD31	7.79257	7.77318	7.29823	8.17177	7.36207	8.75294	8.52626	8.79168	8.08047

ZNF789	6.47024	6.56846	6.63599	5.69979	5.78437	5.05179	5.69804	5.70592	5.76906
ZKSCAN5	6.13134	6.42079	6.11531	5.93113	5.50136	5.63488	6.1928	5.9933	6.28281
ZNF655	8.54908	8.06492	8.3125	8.04577	6.99615	7.75542	8.00481	7.35052	8.39562
GS1-259H13.2	6.48219	6.49754	6.81936	6.08906	7.05926	6.03359	6.6555	6.71547	6.18952
ZSCAN25	6.79318	6.86671	7.00411	6.41528	6.67312	6.5283	6.67701	6.21432	6.19362
ZKSCAN1	9.55785	9.64442	9.51828	8.45927	6.95114	9.47512	8.75066	9.50057	8.85083
ZSCAN21	7.64687	7.64461	7.30103	7.37853	6.56059	7.03939	7.2989	6.72491	7.02768
COPS6	8.95733	8.94996	8.87418	9.39207	8.20021	8.80057	9.15172	9.3185	9.02218
CNPY4	5.87987	5.89904	5.70882	6.26264	5.85038	5.81195	6.03323	5.93838	5.92639
MBLAC1	5.1856	5.35392	5.38896	5.76012	6.07823	5.90691	5.66461	5.79061	5.77215
LAMTOR4	7.02051	7.05194	7.01338	7.35733	7.18772	7.04162	7.19358	6.64605	6.77795
STAG3	5.64502	5.5872	5.71558	5.97434	7.10752	6.06463	5.62576	5.77903	5.76062
PVRIG	5.70759	5.21337	5.62806	5.30111	5.61314	5.15405	5.23731	5.7372	5.40769
SPDYE3	3.5788	3.92389	4.00242	4.06197	4.28812	4.25906	4.60835	3.53307	3.70061
STAG3L5P-PVRIG2P- PILRB	8.01111	7.8665	7.96584	7.93149	6.92997	6.38413	6.95513	7.7438	7.02606
PILRA	5.02121	5.23866	5.72716	5.65703	5.88284	5.83032	5.59152	4.91062	5.25452
MEPCE	8.08214	7.81591	8.02214	8.27337	6.38507	7.5957	8.35249	7.26491	7.62433
NYAP1	6.0953	6.22397	6.15423	6.9285	6.79655	6.99183	7.0663	6.76456	6.64269
AGFG2	8.10474	7.76797	7.84442	7.20207	6.97679	6.52724	7.02081	7.00481	6.43569
FBXO24	5.44966	5.79032	5.72557	5.98638	6.04313	6.15354	6.15163	6.09602	5.95048
PCOLCE	8.3565	7.73872	7.91974	9.09175	7.8629	7.47058	8.39528	7.40459	7.50222
MOSPD3	8.50106	8.01386	8.13471	8.80645	8.43239	8.6778	8.81586	7.60434	8.08268
EPO	6.43027	6.49845	6.36363	7.04028	6.84857	7.37749	6.4194	6.82342	6.64617
ZAN	5.60072	5.83478	5.82478	6.11493	5.89943	6.02326	6.1249	6.21809	6.18343
TRIP6	8.64385	8.01917	8.22631	9.10666	6.68306	7.88872	9.16616	7.63055	8.08039

SRRT	7.26035	6.93492	6.97954	6.88626	5.95659	6.68194	7.06582	6.72962	6.81321
TRIM56	7.08813	7.52209	7.03448	6.74414	6.35641	6.53502	6.56114	6.59496	6.67153
MIR4653	7.36539	7.38359	6.93256	6.65816	6.33252	5.94445	5.92426	7.01628	7.56429
COL26A1	6.35904	6.38313	6.44918	7.63169	7.18261	7.71078	6.91938	7.40321	7.29279
CUX1	8.12406	8.13754	8.13956	8.13868	6.39891	8.89797	8.90949	8.4893	8.81989
SH2B2	5.92436	5.67172	5.68839	6.25683	6.10735	6.37112	5.90733	6.12899	5.98664
MIR4285	2.39946	2.89095	2.44231	3.01908	2.09765	4.29496	3.61075	2.98248	3.07024
PRKRIP1	9.02091	8.7643	8.41107	8.26044	6.83925	8.16399	7.94328	8.02551	7.88397
ORAI2	6.62684	6.48217	6.7352	6.68903	7.24291	7.21373	6.86506	6.9331	6.74185
LRWD1	6.60566	6.30653	6.43556	7.1922	6.79125	7.1378	7.19008	6.89656	6.91611
SPDYE2	7.0213	6.95373	7.31679	6.66353	9.07646	6.35961	6.54956	6.63296	7.23291
LRRC17	5.01326	4.78212	5.11615	5.6815	4.01513	4.18278	4.00439	4.35691	4.47216
NFE4	3.99192	3.99547	3.62578	3.9151	4.94835	4.75227	3.78006	3.43901	3.80232
ARMC10	8.05162	8.41737	8.37788	7.28393	5.90449	6.52832	7.94134	6.48144	7.03297
PMPCB	9.84208	9.65084	9.93449	8.86948	6.83373	8.62441	9.1623	8.80537	8.83305
LHFPL3	4.0197	4.05261	3.91244	4.44963	5.46878	4.59442	3.99924	4.08188	4.26512
RINT1	8.45206	8.36084	8.38362	7.40679	6.31654	7.15975	8.06311	7.95959	7.8703
CDHR3	5.71094	5.59591	5.70406	4.99417	6.06681	4.9638	5.18457	5.14706	5.47664
HBP1	7.90817	7.6196	7.62938	7.0039	5.88249	7.49471	7.20617	7.37377	7.2242
GPR22	4.33214	4.64753	4.60342	4.59588	4.31969	4.4099	4.34211	4.61812	4.34523
DUS4L	7.19615	7.30076	7.34631	6.22351	5.89592	6.27993	6.75669	6.23422	6.13382
BCAP29	6.93528	7.01748	7.10462	6.60698	5.34242	6.75436	6.99936	7.16028	7.2887
DLD	8.0676	7.92954	8.20151	7.87131	6.13283	7.49462	8.44098	7.448	7.28073
LRRN3	5.75443	5.00821	5.64701	5.59756	5.67318	5.13343	5.28448	5.84475	6.14237
ZNF277	7.81772	7.65366	8.06036	6.4331	5.57599	7.17272	7.24416	7.54089	6.92647
IFRD1	8.3592	7.77138	7.11799	7.4658	7.30181	7.40135	6.87167	9.84045	7.91186

LSMEM1	6.86145	6.20023	5.91733	5.83966	5.62525	5.60837	5.38522	8.10721	6.34677
FOXP2	8.04387	8.16576	7.93694	6.87641	6.07055	6.05283	7.09076	5.94517	6.5073
MIR3666	7.19006	7.4373	7.25591	6.94179	7.44485	7.14373	6.70138	7.05316	6.94711
MDFIC	6.54424	6.617	6.58042	6.24247	5.23247	6.13374	6.82308	5.82891	6.64152
TES	8.8932	8.45195	8.58372	9.52607	6.95278	9.65376	9.46899	9.49883	9.66239
MET	8.32424	7.36955	7.95824	8.5752	6.61643	9.16916	8.39069	8.90422	8.92391
ST7	7.39014	7.37689	7.31399	6.84562	7.2995	6.12453	7.03101	6.62137	7.14516
ST7-OT4	8.01091	7.17028	7.38613	6.11591	6.06686	5.35209	5.8437	6.82209	6.85336
ANKRD7	4.09571	4.13097	4.0719	3.71696	4.63606	4.07766	3.9406	4.16389	4.15725
CPED1	7.17917	7.35791	7.31961	5.78925	6.83737	5.33639	5.77297	6.0894	6.05877
FEZF1-AS1	4.83364	4.75371	4.51912	5.30245	5.32148	5.23225	5.01591	5.13785	5.28664
ASB15	3.13769	3.26331	3.28544	3.17062	4.15702	3.56593	3.27473	3.24459	3.26846
LMOD2	4.73159	5.03597	4.83836	5.67089	5.71135	5.82948	5.57508	5.54852	6.12236
HYALP1	2.62585	2.55197	2.8604	2.54869	2.98101	3.22881	3.13684	2.58928	2.57044
hyal4	5.78368	6.37742	5.63813	6.25623	5.72465	5.14512	5.51442	5.3274	5.0873
ARF5	8.26458	7.98157	8.32548	8.44729	7.75685	8.46263	8.52157	7.87602	8.43769
SND1	8.74902	8.03781	8.48159	8.31877	7.57379	8.32708	8.38042	8.24025	8.51136
MIR593	7.79084	7.76814	7.9686	8.21555	9.62548	8.72305	8.23593	8.42355	8.37101
mir129-1	4.85203	4.961	4.83903	5.12638	5.79967	5.80947	5.81428	4.92162	4.61443
LEP	5.02937	5.13912	5.42086	5.26258	6.23834	7.4916	5.82279	5.79315	5.91231
HILPDA	7.94227	8.2946	7.20987	8.42377	10.3241	11.4889	8.52917	11.5451	9.38905
CALU	8.61148	8.22359	8.88988	8.72291	6.03277	8.43657	8.84849	10.2023	9.72309
CCDC136	5.53815	5.68419	5.3745	5.95053	6.32972	6.48165	5.99521	6.30933	5.83177
LOC100130705	5.66583	6.07324	5.63998	6.20344	5.59693	6.02421	5.53345	5.67809	5.79555
IRF5	5.95894	6.36328	6.02792	6.8013	6.20139	7.0795	7.17981	6.56459	6.61271
TPI1P2	6.19463	6.64827	6.01845	6.26675	6.18532	6.24893	6.36678	5.74832	5.92262

LOC407835	7.10871	7.31176	7.08064	8.11023	8.1722	8.1691	8.18508	7.64702	8.10745
TSPAN33	6.26907	6.29765	6.16952	5.96567	6.63274	6.07484	6.02585	5.98434	5.96807
AHCYL2	9.10679	9.41503	9.1632	7.71457	6.89869	6.87595	8.0313	7.634	8.1831
NRF1	7.18503	7.29735	7.23329	6.64305	6.03267	7.28259	7.12707	7.7817	7.10536
KLHDC10	9.14784	9.13618	9.15378	8.92473	7.08144	9.64506	9.13255	9.50874	9.15201
SSMEM1	3.31555	3.22054	3.50063	3.57141	4.18298	3.36204	3.69821	3.36138	3.61118
CPA2	4.20274	4.31254	4.15022	4.52607	5.06438	4.86739	4.52912	4.20833	4.49747
CPA4	10.3727	10.0824	9.17326	10.3911	9.82939	9.09023	9.16599	11.255	10.4061
CPA5	4.81457	4.85622	4.50564	5.15344	5.54107	5.01031	4.85035	4.88995	5.04225
CPA1	5.49544	5.59718	5.74953	5.88147	6.40771	6.05874	5.84504	6.31521	5.85149
MEST	6.04096	6.1823	6.8108	6.87701	6.49815	6.52366	6.42114	5.9464	6.3136
MIR335	3.36171	3.74144	3.16147	3.45871	3.56644	4.03708	3.59449	3.55769	3.52977
FLJ40288	5.85889	5.97231	6.05333	6.52109	7.04256	6.60009	6.2972	6.63435	6.61847
EXOC4	8.42436	8.16074	8.18777	7.24277	6.08282	6.94556	7.44703	6.85617	7.39439
LRGUK	6.00959	6.76283	6.63116	5.86787	5.9654	4.47786	5.80154	5.29201	5.42688
CALD1	7.63263	7.10526	7.68238	7.01814	5.09383	6.14344	6.94714	6.98884	7.04149
AGBL3	4.95505	5.23212	4.99779	4.8161	5.46671	4.6353	4.54766	4.55259	4.64295
TMEM140	7.50174	6.62681	7.53337	6.69556	6.5625	6.33102	6.97119	6.89898	6.30347
STRA8	4.48065	4.19682	4.44811	4.89762	4.98792	5.14639	4.62693	4.68679	4.66444
NUP205	8.36359	8.50519	8.58282	8.25741	5.74194	7.90615	8.27324	7.91398	8.06515
LUZP6	6.01699	5.79484	5.60903	7.45589	4.26705	7.35553	8.60207	6.75284	6.46227
MIR490	4.04754	4.72439	4.51499	4.65706	5.25765	5.12016	4.82054	4.44827	4.73187
LOC100130880	4.12218	3.96264	3.97636	4.27119	5.12358	4.40357	4.19955	4.11359	4.13543
MIR4468	6.64273	6.39021	6.4753	6.83161	6.93854	7.25959	7.18995	6.76231	6.73399
TRIM24	7.77307	7.9315	7.86768	7.12355	6.31003	6.14123	7.4798	6.21227	6.6593
TMEM213	5.84766	5.89901	5.72837	6.06555	5.79699	5.76627	5.72507	5.88632	5.67605

TTC26	6.2274	6.45695	6.49328	6.26531	6.10543	5.90818	6.40619	5.7241	5.6483
UBN2	9.12444	9.2766	9.02093	7.36868	5.66175	7.00808	7.6387	7.85344	7.46427
C7orf55-LUC7L2	7.42628	7.58933	7.58987	6.79446	6.16803	6.69453	7.12241	6.17774	6.73386
TBXAS1	5.95564	5.60075	6.28486	5.6977	6.39752	6.05351	5.66886	5.78826	5.91172
JHDM1D-AS1	7.29664	6.94181	7.15052	8.23416	6.90132	9.86672	9.32326	9.66679	10.23
ADCK2	8.0701	8.13989	7.89385	7.94341	6.99093	7.45479	7.55514	7.19886	7.66611
TMEM178B	6.02148	6.41303	6.40756	6.67133	6.30606	6.35308	6.01696	6.43883	6.43866
AGK	8.04982	7.81352	8.04768	7.32063	6.63795	6.58399	7.68974	6.89312	7.23203
WEE2	5.06628	5.42792	4.95749	5.81043	6.70749	5.25154	5.34696	5.1697	5.30938
WEE2-AS1	6.67031	6.81395	6.68229	7.28168	8.60497	7.34442	6.75619	6.90903	6.81459
MGAM	3.43827	3.87194	3.51699	4.09734	5.10209	4.12866	3.82713	4.77492	4.47424
MGAM2	4.88291	4.87484	4.74727	5.05896	6.02457	5.11989	4.85426	5.1497	4.83683
MTRNR2L6	6.415	6.28378	6.23257	6.25059	6.25589	5.95293	6.17901	6.84307	7.21905
EPHB6	8.8033	8.67789	8.44411	8.30733	6.63703	6.63731	7.89966	6.40749	6.46646
C7orf34	5.14455	5.37588	5.29711	5.67663	6.38069	5.54808	5.15563	5.46595	5.54238
pip	7.9518	8.67219	10.1657	4.5193	5.50694	4.72864	4.22636	4.43854	5.35542
GSTK1	9.05503	8.74256	9.21495	8.90714	7.81517	8.32938	9.13645	7.98858	8.63937
TMEM139	5.48169	5.44412	5.36398	5.57069	6.28486	5.08358	5.16795	6.00307	5.71761
ZYX	7.55925	7.45569	7.4767	9.16442	7.33722	8.77043	8.68757	8.89463	8.80002
EPHA1-AS1	4.23246	4.18632	4.66694	4.51529	5.58034	5.00419	4.79312	4.91903	4.81243
ARHGEF5	7.78923	8.1382	7.31064	8.26561	5.42955	8.7497	8.24836	8.52602	8.23396
CNTNAP2	4.77473	5.05749	4.96321	5.89356	5.59237	5.85372	5.40658	5.51839	5.03345
CUL1	9.99072	9.72788	9.95999	9.89333	6.78918	9.32725	10.1877	9.46517	10.2926
ZNF398	7.86189	7.98939	7.76596	7.22221	6.27996	8.32197	7.60977	7.74993	8.17614
ZNF282	7.44638	7.18376	7.29232	7.6002	6.31176	8.66888	7.9267	8.49092	8.27545
ZNF212	7.5151	7.73296	7.20134	7.81665	7.81634	9.4635	7.78524	8.85959	8.8246

ZNF783	6.37372	6.83301	6.62249	7.30009	6.14814	6.68582	6.64369	6.70519	6.64766
LOC155060	6.49973	6.47129	6.01076	6.30515	6.61362	6.55225	6.24218	6.95198	6.44062
KRBA1	6.2462	5.80155	6.09226	6.26464	6.07554	6.94898	6.34712	6.67604	6.7878
SSPO	6.33534	6.36635	6.44472	6.85423	7.10503	6.98709	6.57524	6.84768	6.87884
ZNF862	7.18431	7.25474	7.19142	7.39789	7.04558	7.15688	7.15974	7.30389	7.11125
LRRC61	6.51072	6.04526	6.3153	6.80601	6.41056	7.08481	6.98276	6.14988	6.4985
ZBED6CL	6.38873	6.38369	6.45485	6.26694	6.20739	6.29615	6.66533	6.37253	6.48078
REPIN1	7.28875	6.91381	7.22407	7.06694	6.47805	7.00507	7.50511	7.1859	6.66235
ZNF775	5.28806	5.32268	5.45846	5.65237	5.54079	5.49499	5.72238	5.88242	5.89926
LINC00996	5.18395	5.15248	5.00212	5.3554	5.53788	5.38015	5.20692	5.30318	5.52512
TMEM176A	6.82957	6.99059	7.45104	7.58451	7.33475	7.22923	7.38518	6.99079	7.69781
AOC1	4.80418	5.10062	5.15841	5.32226	5.31664	5.19682	5.46612	5.11922	4.87164
NOS3	6.38061	6.18678	6.49919	6.86034	6.43517	6.53098	6.57374	6.80773	6.79853
chpf2	7.0252	6.84849	7.03075	7.26237	7.02853	7.15557	7.53706	7.02764	6.96044
NUB1	8.0408	8.39935	8.21721	8.04625	6.50243	7.54027	8.30622	7.50816	6.85412
WDR86-AS1	5.2259	5.38125	5.48171	5.7408	6.18474	5.58936	5.11287	5.75758	5.58294
PRKAG2-AS1	4.14968	3.93641	4.03328	4.74092	4.12471	4.5961	4.30735	4.11321	4.80773
GALNTL5	4.44052	4.41915	4.3114	4.41257	4.82601	4.64243	4.69662	4.57583	4.66385
GALNT11	8.34857	8.57764	8.10762	8.04304	6.45935	6.96044	8.14775	7.24324	7.676
FABP5P3	5.65358	5.88003	5.53077	6.58302	6.2578	6.96749	6.53954	6.28039	6.35703
LINC01003	6.37434	6.19616	6.19389	6.21138	5.71708	5.97147	6.11932	5.21262	5.81664
ACTR3B	6.99372	6.98346	7.085	6.16012	6.81462	5.68312	6.55343	6.3316	6.05356
DPP6	5.12069	5.11419	5.19752	5.29029	5.6476	5.63932	4.91559	5.32573	5.36673
PAXIP1-AS2	7.14218	6.91506	7.11669	6.19444	6.99196	6.05427	6.52746	5.67877	6.37507
PAXIP1-AS1	7.18119	7.28059	7.67575	6.72506	7.57908	7.4303	7.17857	6.79856	6.87976
INSIG1	8.17225	8.1813	8.12904	8.09052	6.86983	9.74662	8.94991	9.36533	8.57306

EN2	5.86121	5.93038	5.83461	6.46017	6.32881	7.14098	6.49035	6.71919	6.5984
RBM33	8.43962	8.53846	8.6656	7.16783	5.98852	8.3085	7.66537	7.96588	8.30245
LINC00244	4.2724	4.27743	4.43825	4.53003	5.18779	4.93563	4.58552	4.63123	4.51402
RNF32	5.60897	5.56252	5.64151	5.59003	5.56497	5.49417	5.43622	5.75938	5.38835
NOM1	7.36828	7.44335	7.62409	6.5551	6.03324	6.03507	6.92801	6.46111	6.55077
MNX1-AS1	5.71919	5.62466	5.59931	6.18556	5.96035	6.40585	5.7397	5.89969	5.84154
UBE3C	8.93366	9.00801	8.84169	8.59031	6.04227	7.87471	8.95303	8.29812	8.64771
LOC100506585	5.50527	5.48926	5.51898	6.13079	6.4703	6.32502	5.88947	5.99766	5.97831
WDR60	7.46662	8.03054	7.88342	6.84277	5.86147	7.00575	7.38197	7.22292	6.73543
LINC00689	5.02131	4.76301	4.72441	5.28884	6.48028	5.63671	5.24353	5.44011	5.18847
PDGFA	7.64231	7.08288	7.11248	7.35712	6.16067	7.13859	7.56723	7.1319	7.31693
ADAP1	6.41707	6.20393	6.63243	7.04369	6.91976	7.48943	7.19836	6.89943	7.34556
cox19	6.08813	5.9713	6.00335	6.05492	5.26245	5.87588	6.03647	6.4777	5.93928
C7ORF50	5.82386	5.90832	5.94827	6.61962	6.19719	6.67671	6.50548	6.00349	6.02657
Mir339	7.76039	7.9849	8.04781	8.69781	9.38381	8.94177	8.18145	8.43684	8.41102
MICALL2	6.91938	6.41593	6.85379	6.99264	6.58794	6.92106	7.00237	6.74317	6.91329
INTS1	7.64385	7.33646	7.59395	7.67338	7.54226	7.931	7.77663	7.79636	7.56615
TMEM184A	7.98978	7.70484	7.42066	8.40728	8.37611	9.53652	8.37853	8.68894	8.80546
MAD1L1	6.78919	6.89997	6.64841	7.10812	7.12828	7.02451	6.81583	7.19141	6.97481
MIR4655	5.59227	6.2673	5.43359	6.50603	5.61962	6.41709	6.30577	5.70969	5.95724
MRM2	6.70434	6.40638	6.48113	6.38793	6.16008	6.07491	6.60471	6.1086	6.2093
SNX8	6.73663	6.54577	6.79021	6.77688	6.71184	7.26483	6.77485	6.73783	6.66627
BRAT1	7.28054	7.2339	7.21223	7.29877	7.68659	7.42141	7.26764	7.30491	7.22379
GNA12	7.24629	6.8592	7.44089	7.24569	6.97444	6.47357	7.15389	7.20636	7.38461
RADIL	5.35721	5.77803	5.5467	5.78128	5.99951	6.42984	5.97126	6.28207	5.97855
PAPOLB	4.76096	4.31457	5.04869	4.24889	4.82583	4.74102	4.12182	5.02208	4.24008

MMD2	4.2254	4.46226	4.34963	5.09619	4.79625	5.30265	4.81376	4.68366	4.90915
TNRC18	7.08599	7.16388	7.18884	7.31158	6.27578	7.08379	7.16254	6.91443	6.88215
MIR589	7.02912	6.87025	6.82208	6.84516	7.26199	7.18165	6.85079	7.04829	6.84974
RNF216	8.38319	8.49741	8.30737	7.3504	6.23901	7.34157	7.75904	7.18347	7.83669
RNF216-IT1	6.49984	6.22516	6.12833	6.20176	5.67999	6.30421	6.07572	6.45418	6.46314
RSPH10B	4.03248	4.15855	4.00208	4.16148	4.09168	4.09604	4.03684	3.92382	4.4317
PMS2	7.5495	7.78949	7.30907	6.41236	5.54785	5.17718	7.03652	6.17863	5.769
EIF2AK1	8.94796	9.14374	9.13575	8.32866	6.82442	7.76105	8.81099	8.05837	8.1101
CYTH3	7.02169	6.88131	6.78974	6.74647	5.60599	6.62107	7.05921	7.77251	7.1927
KDELR2	10.0948	9.71078	10.273	10.1794	9.16509	9.79682	10.2029	9.9455	10.1876
ZNF12	8.67072	8.89876	8.82246	7.67876	7.04124	7.85093	8.26485	7.64349	7.75122
MIR3683	3.41782	3.80453	3.61093	4.03821	3.56064	3.98603	4.37668	3.93245	4.09539
LOC100131257	4.96635	5.2617	4.93018	5.05989	6.23248	5.6707	4.72706	5.25992	5.36234
VWDE	5.04441	5.06754	5.26335	5.04288	6.1037	5.2268	5.16369	4.89389	4.99819
ETV1	6.31819	5.79902	6.35764	5.77339	6.90802	5.63886	5.87997	5.49038	5.76425
AGMO	5.50385	5.35972	5.96585	5.02277	5.98214	5.4511	5.33862	5.12719	5.00309
MEOX2	7.54996	7.79722	8.37933	6.36347	6.12162	5.68413	5.59379	5.73022	5.43627
ISPD	7.10164	5.5989	5.655	5.6452	4.59161	5.00877	5.97524	4.9122	5.3269
SOSTDC1	7.3914	6.34356	6.2465	5.94057	5.65933	5.37314	5.21158	5.32767	5.08663
ANKMY2	7.57473	7.47104	7.21815	5.91642	4.94789	5.54477	6.6657	5.84533	5.1382
AGR2	3.74713	3.91767	3.78217	4.3076	5.58802	4.71921	4.57771	4.0276	4.40293
AGR3	2.48797	2.79016	2.3299	2.55485	2.86158	3.31112	2.57473	2.90797	2.74625
SNX13	8.50773	8.54384	8.42733	7.95711	6.33699	7.05175	8.01495	7.61113	7.77274
PRPS1L1	5.77681	5.51346	5.90066	6.15203	5.93625	6.87322	6.26803	6.3361	6.16689
MIR1302-6	4.34659	4.62739	3.88105	5.18127	4.25669	5.61371	4.40316	4.04563	4.32448
TWIST1	5.25222	5.57825	5.12104	5.38068	4.63345	4.43095	4.84211	4.38523	3.90254

FERD3L	5.67408	5.90681	6.21785	6.69848	6.62005	7.00389	6.28359	6.75995	6.52213
TWISTNB	6.77908	6.44366	6.95253	6.13395	5.29621	5.82663	6.19028	5.89714	5.62885
MIR3146	2.56953	2.77383	2.16465	2.08771	1.67369	2.33417	2.2153	2.26019	2.00035
TMEM196	5.07009	5.35908	5.37502	5.95903	6.24732	6.09397	5.39866	5.85519	5.9425
MACC1	6.07826	6.39852	6.12385	5.41758	5.50725	5.64986	5.30598	6.04356	5.9759
SP8	5.92068	6.02728	5.40195	5.37868	5.31081	5.93487	5.64415	5.62154	5.54013
CDCA7L	7.47656	7.25687	7.52359	6.69617	5.90867	5.63688	6.97316	5.98999	6.14024
RAPGEF5	8.5288	8.72917	8.34327	7.76507	7.7986	10.029	8.01087	10.1133	9.38152
STEAP1B	5.86581	5.50178	5.40787	6.53499	6.04296	6.92628	6.43653	6.8402	6.74209
TOMM7	6.9689	7.36854	7.13992	7.30087	7.0157	7.55314	7.13697	7.01496	6.87846
KLHL7-AS1	5.25164	5.8036	5.59017	5.67919	6.2508	5.79182	5.34402	5.41678	5.71903
IGF2BP3	4.5652	4.44768	4.31141	5.34549	5.40888	5.21702	4.63027	5.45346	4.20968
TRA2A	10.2024	9.9348	9.7436	9.23618	7.4441	9.136	8.99351	9.92281	9.67702
OSBPL3	8.70577	8.79949	8.42927	8.20577	7.14614	7.73192	8.48177	8.87119	8.90501
C7orf31	7.49969	7.39405	7.27972	6.75155	5.83282	6.64586	7.0373	6.0222	6.10102
npvf	3.90838	3.65455	3.88771	4.5274	5.06142	4.40125	3.85036	3.99534	4.17956
MIR148A	2.67055	2.65219	2.61959	2.76109	2.8591	3.26815	3.51652	2.92234	2.45304
HNRNPA2B1	10.0681	10.3333	9.99295	9.46157	5.8747	9.07996	9.52773	9.61689	9.46876
KIAA0087	4.63655	4.66166	4.8193	5.44414	6.04332	5.38783	5.50578	4.84989	5.1909
SKAP2	7.20516	5.68316	6.66036	6.88292	5.82373	6.6293	6.69431	6.69106	7.05348
HOXA1	6.9296	6.77553	7.01925	6.94252	6.38161	6.51618	7.04424	7.06051	6.75138
HOXA2	5.84975	5.63743	5.93254	5.4673	6.73762	5.87656	5.41697	5.4179	4.65858
HOXA3	5.38509	5.07201	5.53246	5.57522	4.88165	5.62977	5.87124	5.49818	5.68822
HOXA4	6.55163	6.33782	6.61453	5.61424	5.19229	6.32008	6.6145	5.22803	5.55843
HOXA5	6.95653	6.76139	7.19288	6.29336	5.80887	6.684	6.65123	5.9837	5.48458
HOXA6	6.52081	5.8495	6.36335	6.35022	5.84575	6.52476	6.16113	5.8869	5.90239

HOXA7	7.15063	6.84416	7.12974	7.33813	6.40407	6.77792	7.29965	6.64084	6.88923
HOXA10	6.99588	7.25219	7.24496	7.18993	6.97328	7.62581	7.22553	7.07936	7.16335
HOXA11	4.78742	5.1285	5.02175	5.75117	6.19135	5.509	4.89436	5.44704	6.0801
HOXA13	5.81836	6.39729	6.30462	6.36797	6.00754	6.7622	6.34304	6.71493	6.19734
HIBADH	7.97034	7.65414	8.08203	7.46348	6.89429	6.57711	7.57702	7.49159	6.76444
JAZF1	6.07997	5.77276	6.08985	5.54583	5.25686	5.51726	5.70665	5.12132	4.89049
LOC646762	6.30865	6.43087	6.52298	6.53444	6.9861	6.41782	6.21962	6.37756	6.11123
MIR550A3	4.21727	4.96893	4.83479	3.20648	2.87095	3.48234	3.80993	4.58424	3.89704
SCRN1	7.82945	7.66924	7.72754	8.1875	7.002	8.39161	8.69024	7.86793	8.04498
NOD1	7.95807	7.41966	7.56048	6.53885	6.14175	6.32059	6.70676	6.65643	6.85706
GGCT	8.47074	8.30726	7.46402	7.44283	5.59769	7.28599	7.13337	6.40446	6.21968
crhr2	6.08141	6.05191	6.34539	6.69572	6.32228	6.67811	6.24853	6.67089	6.68245
NEUROD6	3.86782	4.297	3.99786	4.20625	5.21928	4.87877	4.32861	3.96892	4.20552
LOC100130673	4.65889	4.5723	4.84596	4.7549	5.90957	4.78753	4.7113	4.80688	5.19332
DPY19L1P1	5.23659	5.15999	5.47167	6.29873	5.1455	6.17353	5.61464	5.13022	5.30483
KBTBD2	8.02908	7.66204	7.94508	7.56124	6.18714	7.62026	7.91369	7.81218	7.71088
RP9P	7.13407	8.23999	7.26643	6.73243	6.56125	7.05575	7.28786	7.4733	6.98829
RP9	6.39222	6.76721	6.73454	5.54782	7.06964	4.83301	5.3279	6.29037	5.91527
NPSR1-AS1	3.89611	4.12175	3.87764	4.03401	4.8557	4.82282	4.48443	4.2846	4.19873
DPY19L1	6.56192	6.15117	5.89034	5.71776	4.67108	4.92208	6.28905	5.74825	5.89091
TBX20	5.73331	5.89592	6.01682	6.40132	6.64753	7.22979	6.27651	7.44899	6.21863
HERPUD2	9.36573	9.22933	9.27588	8.84246	8.93204	9.44671	9.34876	9.47416	9.72937
KIAA0895	6.00065	5.83418	5.91522	6.39958	4.99859	5.86675	6.00444	6.68967	6.16211
AOAH	6.05788	5.97497	6.19399	5.43706	6.44649	5.76762	5.62052	5.52499	4.8159
AOAH-IT1	4.24338	4.33663	4.07154	4.7552	5.1208	4.84585	4.37501	4.30884	4.48199
ELMO1	7.35747	6.84332	7.95944	5.535	5.83402	5.3398	6.3129	6.53949	6.32437

MIR1200	5.83221	5.62146	5.78067	5.38416	5.77576	5.49716	5.46978	5.44844	5.58136
SFRP4	6.6066	6.49337	7.36345	6.09623	6.34585	6.26912	5.51442	6.04664	6.11789
TARP	4.2005	3.94584	4.326	3.90442	4.78625	3.82847	3.80092	4.24454	3.63215
AMPH	5.49739	5.13055	5.55775	5.8537	6.36151	5.67445	5.21137	5.76393	5.15409
VPS41	7.83492	7.83825	7.55934	6.99243	6.09564	7.02095	7.31516	7.61278	7.27491
POU6F2-AS1	4.51971	4.84966	4.50883	5.36701	5.24468	5.15679	5.04521	4.83901	4.87552
mplkip	6.94046	6.89224	6.5964	6.99657	5.37405	6.71768	7.47006	6.64847	6.27648
GLI3	9.16974	8.67524	8.88777	8.31752	6.79513	7.33049	8.43879	7.42406	7.42287
LOC100506895	4.32765	4.83231	4.63335	5.43728	5.46844	5.62946	4.71591	5.32669	5.30986
coa1	8.25034	8.2848	8.31555	7.23356	6.19423	5.90703	7.84373	7.35104	7.34483
URGCP	6.60762	6.74387	6.57225	6.62003	6.19618	6.59249	7.09903	6.46101	6.62176
PGAM2	5.94403	6.18816	6.10748	6.42207	6.05905	6.64689	7.15273	6.58103	6.75619
GCK	6.2683	5.95304	5.93581	6.55284	6.71713	6.68462	6.69888	6.40426	6.72179
CAMK2B	5.63502	5.90563	5.80575	6.05502	6.75757	6.14276	5.84707	6.2265	5.88041
NUDCD3	7.33282	7.13638	7.35405	6.4106	6.07351	6.64213	6.78605	6.91908	7.10369
DDX56	8.02243	7.63988	7.79213	7.71761	5.84613	6.97392	8.03662	7.10333	7.66509
TMED4	9.35121	9.24612	9.2029	8.83927	7.47924	8.45815	8.97763	8.83792	8.9269
PURB	8.81149	8.75702	8.54007	8.59902	6.22247	7.98307	9.04963	8.43663	8.74488
MYO1G	5.56208	5.76928	5.59339	6.19177	5.57978	6.23906	6.37763	6.21841	6.46263
Snhg15	8.79694	8.54118	8.21804	9.28424	8.00659	8.17807	9.53442	9.05584	9.67003
NACAD	6.26347	6.39276	6.49637	6.82717	7.40164	6.97057	6.79679	7.31252	6.61689
SEPT7P2	8.08614	8.12224	8.71662	5.73441	5.66643	6.02354	5.76405	6.38392	6.03206
IGFBP3	5.95306	7.34768	6.2195	6.68065	6.46366	8.22229	7.0319	7.69588	7.78032
TNS3	7.30815	7.07311	7.33706	6.81527	6.6939	6.34123	6.84899	6.52873	6.40786
HUS1	8.11793	8.44559	8.46446	7.68961	6.91625	8.49807	8.028	7.88099	8.27612
PKD1L1	6.07904	5.95851	6.07571	6.1867	6.6623	6.44795	5.95218	6.63839	6.39941

SUN3	3.74555	4.16701	3.98981	4.05616	5.15613	5.24563	4.04872	4.62211	4.3957
ZBPB	4.53876	4.70991	4.65709	4.36432	4.72202	4.45565	4.56052	4.38845	4.35472
FIGNL1	7.01036	6.70628	6.95579	6.29061	4.58297	5.94319	6.38986	8.17922	5.44753
DDC	5.59368	5.71764	5.56279	6.14577	6.83562	6.44419	6.19686	6.16733	6.23189
GRB10	7.30186	6.65373	7.05743	6.40685	6.4167	6.0398	6.36179	7.13729	6.86571
COBL	7.92332	8.55875	8.06322	7.19944	7.21907	8.16443	8.03096	8.54926	8.54812
LINC01446	4.6111	4.83216	4.86307	5.06347	6.21868	5.3506	5.49762	4.8988	5.08896
Hpvc1	2.63711	2.58563	2.80193	3.14211	3.92527	2.73933	3.01806	2.7451	3.11919
SEC61G	6.627	6.61354	6.75801	6.94837	6.24181	7.79384	6.83891	7.39039	6.90074
EGFR-AS1	5.18951	5.35588	5.13482	5.42253	5.42623	5.68826	5.77549	5.35835	5.27821
FKBP9P1	5.07377	5.32185	5.52321	4.863	5.7515	5.33522	5.56525	5.35633	4.93121
44453	3.72325	3.86327	3.91299	3.70605	4.78956	4.05713	3.88175	3.94643	3.81556
PSPH	7.99834	7.45548	6.96867	7.79925	7.16789	7.00398	7.70285	7.47984	6.74833
CHCHD2	7.2327	7.19077	7.36916	8.33125	7.24116	8.94008	8.72505	8.08589	7.75751
LOC650226	3.58921	3.48049	3.75152	4.06486	4.66703	4.94434	4.05921	3.80084	4.65915
ZNF479	4.53346	4.21458	4.12857	5.12463	4.94303	4.60534	4.76653	4.48373	4.45812
ZNF733P	4.05752	3.99947	4.05611	4.28168	7.11296	4.53774	3.91479	4.23411	4.47382
LOC100287834	5.61433	5.21673	5.62861	6.59275	5.64433	6.23512	5.96668	5.39611	6.01131
LINC01005	3.28265	3.5705	3.32433	3.6309	4.69605	3.47681	3.81221	3.87381	3.8364
ZNF680	7.62761	7.67462	7.64611	6.21974	6.81104	5.28676	6.25141	6.17346	5.54097
ZNF117	7.65423	7.11836	7.70431	6.81892	5.46921	6.27082	6.03513	7.91637	7.38867
LINC00174	6.61467	6.3877	6.30655	4.80552	5.25577	4.88029	4.66068	5.65009	5.41518
GS1-124K5.11	8.82929	8.56817	8.18518	7.79047	7.54939	7.26169	7.41059	8.78641	8.91989
GTF2IRD1P1	5.73831	6.05331	5.69401	6.31916	6.33511	5.88763	6.54816	6.09152	6.06364
SBDS	10.0378	10.3451	9.94668	10.9367	9.52264	10.7976	11.0108	10.4547	11.124
PMS2P4	8.49	8.35704	8.27109	6.99679	6.01752	6.61438	7.38027	6.75263	6.93933

CALN1	5.06797	6.0605	5.50316	5.37923	5.50042	6.68926	5.45123	5.74514	6.08608
TYW1B	7.41442	7.28515	7.22164	6.6228	7.2684	6.52987	6.80198	6.56546	6.73412
TRIM74	6.89322	6.77999	7.06759	7.4558	7.51585	7.15766	6.96699	7.17509	6.78949
STAG3L3	8.65979	8.55829	8.43793	7.70635	8.46865	7.41698	7.0676	8.04758	8.05671
GTF2IRD2P1	7.88351	8.12571	8.34686	6.50257	6.04294	5.825	7.20683	5.49946	6.49296
TRIM50	4.67095	4.74281	4.51404	5.15286	5.06283	4.87069	4.77346	5.00089	4.93425
BCL7B	8.47163	8.38172	8.49912	8.58864	7.96475	8.67475	9.06032	8.65031	8.92614
TBL2	6.55352	6.46025	6.53021	7.25874	6.17019	6.88375	7.05534	7.02776	6.55004
MLXIPL	5.60494	5.56849	5.7519	5.8351	6.33905	5.57531	5.7408	5.97475	6.26983
stx1a	5.97423	6.10684	6.15889	6.9657	6.02234	6.80336	6.71259	7.06381	7.03527
CLDN3	7.14558	7.32445	6.99175	8.07098	8.12938	8.33968	7.68416	7.7413	7.58583
WBSCR27	5.92116	6.18179	6.06678	6.41646	6.22864	6.66012	6.40145	6.53167	6.37539
STAG3L2	6.54343	7.12301	7.12866	5.93804	5.46662	4.85777	5.70374	6.63924	6.71436
GTF2IRD2	8.16879	8.18923	8.16479	6.23586	6.35321	6.26161	7.07545	5.60369	6.20382
NCF1C	5.78352	6.20983	5.66416	6.64203	6.53431	6.71234	6.43197	7.14028	6.72927
POM121C	8.06479	7.92608	8.0363	7.27888	6.36038	6.99125	6.82032	6.92529	7.13916
PMS2P3	7.28389	7.2254	7.42075	7.32246	6.22271	7.80243	7.65536	7.61998	7.58229
HIP1	8.23472	7.76112	7.89483	6.97713	5.78934	6.79513	7.09905	7.07073	7.27908
CCL26	5.22771	5.19779	5.30327	5.79487	5.95222	5.8684	5.31331	5.78154	5.4814
CCL24	6.20957	7.31655	6.94735	5.19651	5.97948	6.48859	6.06811	5.53417	5.63587
tmem120a	7.72918	7.61298	7.58533	8.45824	7.69405	9.00536	8.96589	8.52166	8.60548
STYXL1	8.13678	7.35106	7.23352	8.88236	7.48252	8.83062	8.83158	8.24041	8.74511
FDPSP2	3.77003	3.7797	3.77363	3.95698	4.80352	3.95389	3.59769	4.86421	3.88059
pomzp3	7.9339	7.8486	7.88688	7.95885	8.21889	8.11636	7.99305	8.50844	8.19555
FGL2	7.96548	8.10427	8.74593	6.85993	6.47303	7.08098	7.59194	6.70275	6.32291
GSAP	7.38151	7.61824	7.37311	6.38274	6.60541	6.65549	7.12183	6.84585	7.47399

TMEM60	7.03204	7.17398	7.02303	7.62206	7.39931	6.73745	7.81738	7.038	7.22036
HGF	5.14279	4.92377	4.87115	4.67531	4.95088	4.59392	4.89778	5.23008	4.62817
PCLO	6.09074	6.94317	6.9876	5.02617	5.23063	4.97046	5.59495	5.39884	4.83691
KIAA1324L	6.96422	6.54611	7.15444	5.99706	6.73669	6.315	7.25778	6.16186	5.84371
TMEM243	7.44932	7.82781	7.84484	6.94898	6.75627	6.24713	7.03138	6.63491	6.68605
SRI	9.20896	9.3538	9.28721	9.42496	7.70275	8.43515	9.5488	8.84282	9.08988
STEAP4	8.84715	8.68722	9.29968	9.46126	9.59632	10.3922	10.4583	11.3393	11.0773
C7orf62	2.94011	2.58616	2.87162	3.07936	3.77814	3.2828	2.54036	2.91657	2.94655
MTERF1	6.24422	6.54566	6.70276	5.5138	5.41981	5.3982	6.03323	5.05376	5.89795
LRRD1	3.43955	3.63379	3.33493	3.40524	3.80815	3.58132	3.62757	3.27035	3.41872
PEX1	8.48986	8.49102	8.39792	6.97223	5.8022	5.72336	7.31539	6.50081	6.55052
CDK6	8.61249	8.53736	8.59877	8.02484	6.04104	7.27173	8.26689	8.17438	8.07135
SAMD9	8.30288	7.30496	7.28805	8.79602	7.64196	9.05499	9.79927	11.4406	11.217
SAMD9L	7.57467	7.42009	7.23545	5.57499	5.68416	5.51871	6.21434	5.50939	5.81023
HEPACAM2	3.2078	3.52131	3.55095	2.97826	4.72627	3.93039	3.44032	3.60234	3.08436
CALCR	4.10744	4.32973	4.10181	4.33194	5.65985	4.71372	4.30988	4.64502	4.66215
Mir653	2.85706	3.40212	2.28116	3.27717	2.45066	2.70969	2.90431	2.67833	2.92436
mir489	4.35721	4.71911	4.3608	3.82864	5.3721	3.88931	4.02705	4.0214	4.27637
TFPI2	4.82495	4.54321	4.86041	5.16364	4.48233	5.08402	5.02661	5.495	4.78018
BET1	5.59525	5.29512	5.50445	5.04705	5.35727	5.14865	4.98162	5.22049	5.21017
PON1	4.5065	4.46207	4.66332	4.64671	5.29738	5.01331	4.2361	4.47291	4.31451
PON3	7.41224	6.45317	7.31791	5.33099	5.42062	5.1985	6.13651	4.9158	4.33226
PON2	10.1485	9.97147	10.2904	9.06873	6.22881	7.85472	9.45989	7.7531	8.34401
MIR591	5.56975	5.60855	6.16615	4.41667	4.39173	3.76891	4.4966	4.9855	5.29643
C7orf76	4.68529	4.58961	4.68549	4.70285	5.40156	4.85416	4.90705	4.92338	5.03584
LOC100506136	4.62935	4.95621	4.4283	4.67424	5.26432	4.81569	4.27496	4.62322	4.33808

SHFM1	7.0352	7.26276	6.92407	7.30383	5.97543	6.5295	6.94144	6.46239	6.76803
DLX6-AS1	4.79743	5.68864	4.85873	4.45462	5.64358	4.64958	4.75884	4.58614	4.47054
DLX5	8.60792	9.17697	8.98841	8.83423	9.13668	8.63545	9.12714	8.85357	8.2523
ASNS	6.93831	6.9392	6.89786	6.83398	6.67898	7.20273	6.85622	6.68062	7.30505
MGC72080	10.1073	10.1826	10.1992	10.214	11.1638	9.62998	9.99556	9.74339	10.2945
OCM2	4.95435	5.33263	5.16651	5.36334	5.73971	5.40052	5.36253	5.66263	5.33385
TECPR1	6.65085	6.60691	6.43684	6.8196	6.26014	6.65761	6.5486	6.98423	6.65346
BAIAP2L1	8.57393	8.30882	8.21226	8.35647	6.91849	9.40092	8.91692	9.5341	9.11511
TMEM130	6.16259	6.5506	6.12851	6.47415	7.52706	6.58899	6.63883	7.02862	6.62318
SMURF1	9.07433	8.75567	9.10444	9.11834	7.78071	10.3831	9.33205	9.99569	9.99082
KPNA7	4.94378	4.99497	4.69576	5.31999	6.58558	7.56199	5.73467	8.27275	7.43977
PDAP1	6.70467	7.11677	6.92179	7.15642	6.02402	7.80659	7.89892	7.53482	7.52509
ZNF394	8.06926	7.4994	7.93802	7.12733	6.41538	7.40713	7.22905	7.72819	7.61491
TRIM4	8.55487	8.33518	8.55498	7.61684	6.91307	7.42324	7.45467	7.3665	7.44579
ZNF3	7.35225	7.71473	7.57192	6.54394	6.66166	6.13921	6.35648	6.43388	6.17471
MCM7	7.99524	8.22194	8.19211	7.96324	6.55587	6.98136	7.69746	7.67569	7.43738
mir25	6.35354	6.48923	6.21775	6.80498	6.62723	6.85369	6.40451	6.61561	6.36142
mir93	5.46489	5.39023	5.80656	5.40917	6.06975	5.34622	4.5181	5.3585	5.43713
MIR106B	6.77383	6.53027	6.74608	7.11735	7.65953	7.27356	6.99324	6.99351	7.11873
GAL3ST4	6.93343	7.15889	6.77609	6.08768	6.7562	6.30406	6.65078	6.11644	6.3224
GPC2	5.8189	6.02557	5.98588	6.63432	6.56924	6.70802	6.21649	6.32354	6.63291
PMS2P1	6.98077	6.86245	7.31329	7.1955	7.25366	7.24761	7.33352	7.44481	7.78186
Irch4	6.93967	6.82254	6.82238	6.90054	7.36283	7.33897	7.08003	6.93257	6.90967
PCOLCE-AS1	5.88382	6.16381	6.07123	6.38514	6.7992	6.63542	5.99844	6.10189	6.02914
TFR2	6.04115	5.78798	5.98923	6.46086	6.34119	6.46865	6.27393	6.13626	6.15316
ACTL6B	4.96051	5.04731	4.73096	5.57507	5.03715	5.80971	5.24084	4.89673	5.45707

gigyf1	7.5809	7.42972	7.42616	7.22993	6.34312	7.43371	7.29789	7.15642	7.11573
EPHB4	8.54518	8.33014	8.49313	8.90689	7.75628	8.21386	8.73402	8.05023	8.07607
ufsp1	7.11668	7.26564	7.28897	7.92668	7.234	7.818	7.7282	7.6501	7.79665
ACHE	5.83538	6.27421	6.20331	6.80424	7.17532	6.85513	6.67972	6.85111	6.56741
VGf	6.09055	6.1682	6.11462	6.65427	7.04172	7.21592	6.57974	6.9754	6.61463
MOGAT3	5.73263	5.85637	5.53278	6.40479	6.97639	6.85812	5.92678	6.17611	6.1107
CLDN15	6.80232	6.60203	6.83499	6.68116	6.68316	6.83918	6.37879	6.53176	6.61739
FIS1	7.35501	6.90738	7.0249	7.65512	5.77217	7.73802	8.02347	7.37674	7.21141
MIR548O	2.86605	2.79504	2.81166	3.43722	3.83609	2.72335	3.09514	2.34247	2.70547
rasa4	7.06047	6.83209	7.29336	5.71757	7.21346	5.96944	6.2087	6.80144	6.40838
FBXL13	5.75365	5.61707	5.28399	5.18653	5.23984	5.34776	5.44822	4.89327	4.70601
NAPEPLD	7.04842	7.47563	7.06978	5.62073	5.40629	4.53798	6.23889	4.47889	4.88772
RPL19P12	5.84741	5.62243	5.86784	5.27175	5.4744	4.48643	4.74032	4.7785	5.23817
DPY19L2P2	6.02617	5.63273	5.57127	6.56196	5.92476	5.82191	5.55173	6.11474	5.58779
RELN	6.27689	6.0787	6.80505	5.76447	6.69346	6.35862	6.40179	6.10123	6.12217
KMT2E-AS1	6.87968	6.73147	6.94098	6.96016	6.92153	6.68833	6.85884	6.58382	7.05451
LINC01004	6.61613	7.38278	7.05858	5.42331	5.29145	5.46944	5.43876	5.80578	6.6416
SRPK2	8.71597	8.72654	8.69611	8.22778	7.08863	8.35605	8.37824	9.26134	8.75737
PUS7	7.53997	7.71501	7.72919	7.46589	5.02646	6.94742	8.12457	6.64433	7.14264
EFCAB10	4.43327	4.38997	4.41928	4.60292	4.41693	4.57959	4.3069	4.30607	4.21683
ATXN7L1	8.20145	8.12902	7.79336	6.73582	7.17662	6.36342	6.87365	6.4936	6.69764
SYPL1	10.4844	10.3738	10.5964	10.5914	8.99313	10.3639	10.8578	10.1514	10.4465
CCDC71L	6.84359	6.50823	6.56674	6.62335	6.81139	8.50096	7.85334	7.18592	7.92334
COG5	9.81281	9.42788	9.70075	8.69773	6.65891	7.94165	8.57505	8.75229	8.7083
SLC26A4-AS1	5.19459	5.18583	5.54097	5.72142	6.12198	5.43871	5.67259	5.73881	5.46885
NRCAM	4.78363	4.882	5.14419	5.04154	5.17077	5.13784	5.28997	5.374	5.18832

PNPLA8	8.30528	7.93289	8.03636	7.89218	6.93582	8.9131	8.28607	8.2745	7.99335
THAP5	6.66207	6.49191	6.84961	5.96558	4.94835	5.69793	6.34595	5.86258	5.47471
C7orf66	2.90327	3.86691	3.5288	3.71783	5.98624	3.54495	3.45217	3.61526	3.77867
IMMP2L	6.54218	6.39271	6.12685	4.79599	4.79228	5.16356	5.50348	4.58191	5.06278
DOCK4	8.11577	7.71054	7.8449	7.31687	6.5574	6.80446	6.6629	8.22026	7.8775
TMEM168	8.67328	8.85207	8.44739	7.99261	5.72298	6.40334	7.77621	7.13059	7.4803
BMT2	8.1639	8.16737	8.17214	7.53318	6.20151	8.21542	8.02406	7.63542	7.28265
GPR85	4.37315	4.29853	4.88213	4.75591	5.55142	4.08549	4.69456	4.07694	4.76865
LINC00998	6.3259	6.59861	6.45359	6.93482	6.66606	6.38469	7.15555	6.51833	6.68553
TFEC	4.37279	4.36385	4.52349	4.84455	4.50049	4.20452	4.22589	4.38359	4.34133
ST7-AS1	5.03537	5.66548	5.3287	5.68571	5.50534	6.06712	5.32082	5.05651	5.29036
ST7-AS2	4.50007	4.12252	4.21912	4.47442	4.52399	4.4903	4.67046	4.34439	4.30969
WNT2	5.40238	4.80107	5.7983	5.87916	6.43094	6.03983	5.43961	5.72078	5.72474
CTTNBP2	6.22928	7.36059	6.9442	5.14773	6.38498	5.96926	5.14268	5.50947	5.62304
TSPAN12	6.00482	5.64804	6.11191	5.67095	6.03314	5.38598	5.65396	5.94415	5.64872
AASS	8.95482	8.27935	8.5196	7.27878	7.17108	7.08347	7.75271	6.89924	6.96462
FEZF1	5.34072	5.08736	5.49051	5.77398	6.48506	5.53285	5.45853	5.64381	5.91389
CADPS2	7.16708	7.3518	7.60313	5.91037	5.65363	5.55755	5.5594	5.78761	5.77035
RNF133	4.18316	4.04539	4.02652	3.84282	4.35319	4.25821	3.90103	3.66622	3.97335
RNF148	6.22306	5.37536	6.08925	4.6971	5.59865	4.54294	4.06759	4.39075	4.86675
IQUB	4.24935	4.36629	4.65363	4.51259	5.00909	4.52769	4.25063	4.24619	4.14107
WASL	9.47639	9.35125	9.55332	9.46825	8.25365	10.0232	9.46204	9.9833	10.1532
TMEM229A	4.93384	5.35895	5.05227	5.31598	6.21561	5.81054	5.20856	5.27604	5.21678
GPR37	6.65858	6.3772	6.26585	7.15169	6.77614	7.10474	8.1087	6.712	7.27296
C7orf77	4.1262	3.80923	4.17816	4.64824	5.4852	4.25874	4.01593	4.25103	4.10995
POT1	7.22062	7.21597	7.3611	6.08735	4.92165	5.11578	6.38148	5.67982	5.44498

MIR592	4.28868	4.54967	4.2913	4.60971	5.38537	4.77655	4.47146	4.97523	4.66455
ZNF800	9.93314	9.96985	9.8442	9.07758	7.83591	8.72363	8.9773	8.7097	9.56731
GCC1	5.91352	6.00334	5.85536	5.84724	5.99941	5.93539	6.10681	5.94121	6.04457
PAX4	5.47502	5.74603	5.7408	6.38715	6.72668	6.50731	5.85266	6.20182	6.33837
LRRC4	5.67251	5.75009	5.77025	6.88178	5.95256	7.66314	7.07304	6.4928	6.95296
RBM28	7.48794	7.76011	7.70314	6.94358	5.44387	6.42433	7.05401	6.48978	6.63127
PRRT4	6.68666	6.72091	6.49209	7.04418	7.07401	6.95444	6.88045	6.96262	6.87636
IMPDH1	7.4207	7.63989	7.39894	8.22027	7.16326	7.97454	8.92187	8.07237	8.05491
KCP	6.46119	6.35907	6.51875	6.90649	7.48408	7.08896	7.19778	7.00635	7.04854
TNPO3	9.10779	8.9461	8.91424	8.77994	6.80208	8.61693	9.01997	8.98101	8.96807
mir182	4.05669	4.47134	4.22372	4.86296	4.37317	4.94484	5.1612	4.49847	5.30844
mir96	4.33442	4.29707	4.09767	3.60375	5.19262	4.54609	4.23508	4.37544	4.45054
mir183	3.76567	3.63831	3.049	3.61867	3.67661	3.49845	3.459	3.55603	3.07275
UBE2H	8.80144	8.70699	8.52559	8.59853	6.80361	9.39053	8.91474	9.83022	9.32327
TMEM209	8.27247	8.18812	8.45451	7.1419	5.67501	6.08209	7.55569	7.16847	7.14375
CEP41	6.38888	5.91371	6.09174	6.34339	5.88459	5.60743	6.356	5.91082	6.25372
KLF14	5.47613	5.62565	5.56063	6.28743	6.508	6.57434	6.13608	5.69445	5.92866
Mir29a	3.94009	4.34079	3.87542	3.60409	3.23084	3.7831	4.06181	4.41744	5.17108
Mir29b1	2.28664	2.11325	2.29841	2.73021	2.41539	1.99405	2.04504	2.47579	2.82679
LINC-PINT	8.07435	7.42984	8.42498	7.33975	6.90092	8.24421	6.82388	9.54477	10.3771
PODXL	7.13821	6.94975	7.98016	6.70194	5.86991	6.64336	6.63367	7.8521	7.71207
PLXNA4	6.25426	6.37952	6.74531	6.32857	6.71823	6.70233	6.48215	6.44078	6.38722
CHCHD3	6.81147	6.73613	6.87034	6.25686	5.53562	5.77431	6.83652	6.48294	6.63546
C7orf49	7.2789	7.23707	7.34454	6.65708	6.61727	6.49425	7.53803	6.49487	6.7794
WDR91	8.08587	7.70657	7.86386	7.56864	7.02853	7.10156	8.01833	7.66808	7.9295
LOC349160	4.55129	4.41307	4.33862	5.04278	5.52712	4.8944	4.88368	4.83722	4.5758

PTN	6.95762	6.69197	6.11402	6.20373	6.28625	5.98717	5.47639	5.87633	5.801
CREB3L2	7.97631	7.91426	8.33796	7.70655	6.64224	7.10254	7.80906	8.13525	8.05005
SVOPL	4.56242	4.58934	5.23188	4.62204	5.31571	4.64427	4.90316	4.6886	4.79895
KIAA1549	6.13016	5.94982	6.34661	5.93349	6.38503	6.35273	5.98832	5.89084	6.0702
LUC7L2	7.44454	8.12333	7.47483	6.60694	6.25852	6.30043	6.92194	5.60736	5.84304
HIPK2	9.77228	9.52125	9.56644	9.91698	8.08971	9.71277	9.86594	9.40629	10.1298
KDM7A	9.07303	9.39625	9.25711	9.21439	7.43809	10.2161	8.97234	9.76682	9.94548
MKRN1	6.26598	5.99266	6.15698	5.59456	5.6098	5.64851	5.88617	6.97475	6.11996
DENND2A	5.09632	5.38569	5.68423	6.43412	6.13803	6.85512	6.07746	6.02018	6.18795
NDUFB2-AS1	6.59729	6.61167	6.62141	6.90726	6.8599	7.16546	6.78625	6.84757	6.92268
BRAF	9.85808	9.94498	9.59233	8.91114	7.68063	9.38092	8.90437	9.37919	9.36163
MRPS33	6.41828	6.53153	5.97627	7.14635	6.96669	7.10272	7.56764	6.30195	6.36565
KIAA1147	8.14021	7.93232	8.03519	7.2624	5.82742	6.87247	7.99729	6.95099	7.44491
TRY2P	3.51028	3.38024	3.79518	4.05364	5.40413	4.50497	3.76027	3.80346	4.31543
EPHA1	8.74492	8.73636	8.29136	8.56055	6.98993	8.55869	8.68824	8.42422	8.32327
ARHGEF35	8.8249	10.0221	10.6304	8.70281	7.41282	8.75238	10.0995	9.8962	9.78047
NOBOX	5.42917	4.82211	5.39404	6.11217	6.20292	5.9102	5.42211	5.47641	5.41137
TPK1	5.67577	5.58008	6.04992	5.88442	6.17153	6.09243	5.77108	5.87183	5.08257
EZH2	8.701	8.56766	8.38088	7.97211	5.99429	7.30195	8.04242	8.39129	8.08236
ZNF786	7.41261	7.65973	7.4062	7.59917	5.7046	7.50044	7.56565	6.19334	6.87548
ZNF425	5.35636	5.34928	5.33041	5.47099	5.1297	5.40992	5.49478	5.06016	5.29508
ZNF777	7.35294	7.19669	7.41253	7.46037	6.95288	7.71078	7.86267	7.52721	7.57571
ZNF746	7.629	7.71417	7.81455	7.80049	7.40927	7.84092	7.32352	7.94159	8.16944
ZNF767P	8.70219	9.04564	8.92878	7.14732	6.39873	6.68602	7.07846	7.41791	7.67754
ZNF467	6.44533	6.16086	6.22124	7.15472	6.91386	7.70393	7.44088	7.03878	7.02489
ATP6VOE2-AS1	6.54545	6.67894	6.40449	6.84148	7.36477	7.04187	6.74325	6.67508	6.91273

ACTR3C	7.20394	6.76626	6.21303	6.06089	5.84506	5.57432	6.56794	5.33042	6.10834
RARRES2	6.11512	6.66034	6.66888	6.85241	6.78557	6.73877	6.88667	7.1979	6.53572
TMEM176B	6.8802	6.92833	7.27121	7.50373	7.81156	7.60517	7.89613	7.06768	7.32856
ATG9B	9.59117	9.22726	8.79716	9.14499	9.18106	8.20889	8.36668	10.5567	9.76727
CDK5	7.98239	7.3904	7.68057	7.94129	6.50581	7.53446	8.25443	7.10142	7.4808
FASTK	7.4841	7.66969	7.68588	8.39957	7.27186	7.72502	8.17893	7.54678	7.7339
TMUB1	7.39749	7.29722	7.54631	8.50432	7.52521	8.52134	8.24338	8.05493	7.98759
GBX1	5.94573	5.72709	5.77363	6.42352	6.37333	6.49594	6.1061	6.30353	6.10837
ASB10	5.61033	5.74088	5.86164	6.03079	6.3235	6.15459	5.94602	6.11767	6.06819
WDR86	6.50727	6.50758	6.38017	6.97391	7.00866	7.30181	6.86354	6.99831	6.95635
MIR3907	9.2486	9.07646	9.26843	9.62166	11.6062	10.0556	9.2656	9.89328	9.67307
RHEB	7.2402	6.40938	7.18241	6.84715	6.39418	6.00987	7.17187	6.70319	7.04181
KMT2C	10.8781	10.998	10.9004	9.23345	7.9856	9.60536	9.27074	10.2281	10.1742
XRCC2	6.59101	6.66376	6.73034	6.88184	6.0788	6.03862	6.54049	6.46071	6.8382
PAXIP1	7.98168	8.24502	8.11612	7.35225	6.37238	6.71949	7.71452	6.76154	6.92659
CNPY1	4.09538	4.40808	4.21123	4.54229	5.58039	5.13679	4.89272	4.75208	4.67199
SHH	5.86667	5.98451	6.2872	6.49792	6.69079	6.43188	6.26132	6.33247	6.43534
LOC285889	5.08689	5.57337	5.31232	5.08432	5.9171	5.27134	5.23343	5.52973	5.62577
C7orf13	6.06147	6.43873	6.21464	6.3838	6.16459	6.13519	5.81283	6.01759	6.05067
LMBR1	9.6164	9.06916	9.41941	8.61075	6.90416	8.39809	9.14344	10.0336	9.31965
MNX1	5.70767	5.47507	5.70587	6.50353	6.11935	6.59508	6.10484	6.13098	6.50157
MIR153-2	5.27892	4.88419	4.89827	3.4371	7.95606	4.47287	4.891	3.01771	4.94562
MIR595	3.7248	4.13221	4.35852	3.92286	4.78856	4.08185	3.56346	3.99105	3.78457
ESYT2	10.0339	9.84765	10.4305	9.35366	8.59931	9.88377	9.78973	10.1305	9.87175
VIPR2	5.19452	5.64322	5.62911	6.07054	6.53647	6.03699	6.19083	6.36855	6.04638
ZNF596	6.75119	6.72931	7.15839	5.46099	6.22446	5.01955	6.04617	5.26073	5.86706

FBXO25	7.24969	7.41135	7.58987	7.3198	7.09083	7.90941	7.76441	7.14281	7.15806
MIR596	6.94969	6.42134	6.51623	8.17672	7.25255	7.46479	7.96475	7.32106	7.10926
ARHGEF10	7.37136	7.36525	7.55325	6.68075	6.4621	6.3531	6.24805	6.9641	6.94418
KBTBD11	5.23954	5.18996	5.60571	6.0477	5.73329	6.39797	5.87685	5.97519	5.81538
mcph1	7.80595	7.99133	7.82053	7.01441	5.46003	6.26243	7.14142	6.46039	6.67237
MIR4659A	4.02697	3.72164	4.7396	2.56271	2.5853	2.3188	2.95368	3.33668	2.10878
GS1-24F4.2	5.57851	5.64349	5.75289	5.99007	6.18488	6.11272	6.33682	6.34296	6.0474
Spag11a	4.24283	4.98464	4.46778	4.75232	7.61104	4.95601	4.62994	4.7642	5.27788
ZNF705B	4.34019	4.18511	4.33307	4.242	5.12387	4.77538	3.85039	4.13419	4.46082
CLDN23	6.05196	5.94832	6.18334	7.10007	6.21254	6.66074	6.70863	6.49335	6.36322
ERI1	6.81561	6.75261	6.72567	6.8496	6.72665	6.96052	7.18798	7.46138	7.26985
MIR4660	6.01695	5.90463	6.16044	5.61842	6.61277	5.82201	5.99631	6.04947	5.72186
LOC157273	5.02872	4.71352	4.5472	4.84564	6.18991	5.888	5.33525	4.88348	5.31892
MIR597	7.75904	7.5164	7.45273	5.02527	6.1202	4.76909	5.03802	6.01903	6.27322
MSRA	6.74931	6.54824	6.91648	6.53466	6.72943	6.79904	6.79895	6.58489	6.80055
MIR4286	2.38546	2.47739	2.49204	2.45765	4.54717	3.14466	3.00468	2.60209	2.35148
C8orf74	5.27447	5.30809	5.55578	6.0288	5.95302	5.83818	5.52595	5.73311	5.77501
MTMR9	7.83976	7.84461	7.90311	7.51166	5.42896	7.16875	8.05928	7.49289	7.96851
tdh	5.19564	5.22382	5.03438	5.56327	6.28285	5.65016	5.47901	5.34883	5.94213
FAM167A-AS1	4.85468	5.14937	4.79823	5.16271	5.43425	5.35006	4.77721	5.29648	5.2923
BLK	5.61663	5.66312	5.72395	6.1467	6.02226	6.5629	5.96332	6.1763	6.35072
LINC00208	4.21274	4.45774	4.17356	4.29982	5.57552	4.56436	4.31174	4.47208	4.48675
GATA4	5.40456	5.29044	5.46992	5.98076	6.27032	6.48886	5.82992	6.28782	6.08996
NEIL2	6.41167	6.46643	6.46918	6.62384	6.29496	6.28884	7.00004	6.57575	6.319
FDFT1	7.67815	7.07997	7.35176	6.92562	6.08585	6.90169	7.43602	7.06743	7.39581
ZNF705D	5.15812	4.33086	4.9852	5.07062	6.7859	4.89698	5.02914	5.21851	4.79945

LOC100506990	9.30727	9.24915	9.22308	7.89462	9.78369	7.22076	7.32789	7.34086	7.72598
MIR3926-1	5.78667	6.24693	5.46651	5.59976	5.99071	4.86939	6.34774	6.3759	6.13681
KIAA1456	5.75716	6.13146	5.79903	5.00927	5.99071	5.67708	5.36869	5.6928	5.51091
c8orf48	5.12721	5.84311	5.14251	5.48849	5.57917	5.6673	5.47007	5.23064	5.83531
TUSC3	7.91442	7.65083	7.89953	7.98133	5.85547	7.40442	7.60699	8.15492	7.90475
VPS37A	8.50618	8.68342	8.67088	7.78959	6.72879	7.45319	7.99521	8.08355	8.11429
PDGFRL	7.37827	6.88882	7.50192	6.70245	6.19931	6.06391	5.91554	5.72188	5.66216
PCM1	9.41421	9.64348	9.72327	8.27122	6.27143	7.73682	8.61636	8.21451	8.39753
nat1	5.10794	4.88372	4.9186	5.04078	5.19392	5.16438	5.05208	4.70857	4.79797
NAT2	3.26702	3.4066	3.15824	3.30329	4.35779	4.08447	3.25428	3.68031	3.32188
SH2D4A	7.6244	8.98768	7.79919	7.7299	6.04821	7.50586	8.07447	7.79751	8.13336
INTS10	8.08015	7.83846	8.13355	7.21933	6.20732	6.90106	7.646	6.54142	6.68953
LPL	4.48308	4.62814	5.29458	4.5447	5.115	4.53209	4.5528	4.48974	4.7338
LOC286114	4.78182	4.8566	4.71597	5.13886	5.8531	4.76576	4.84899	4.48167	4.97504
XPO7	9.74233	9.59502	9.77673	9.11327	7.51697	8.54373	9.19537	9.33584	9.26676
NPM2	6.3588	6.37716	6.31774	6.8754	6.81703	6.97769	6.67174	6.91472	7.0533
FGF17	6.06738	6.31183	6.31183	6.33446	7.20015	6.83218	6.25549	6.74074	6.52202
DMTN	6.45984	6.61022	6.925	6.7767	6.11125	7.3836	7.33825	7.01294	7.18281
SFTPC	5.36148	5.93077	5.43188	6.19693	6.32188	6.48621	5.85286	6.16318	6.1092
BMP1	7.11948	6.65051	6.89087	7.34744	6.30698	6.72039	6.98629	7.1163	6.98077
PIWIL2	5.0591	5.60553	5.53797	4.56341	6.18177	5.72709	4.84225	5.39215	5.08634
SORBS3	6.74967	6.99012	7.03388	7.24823	6.32845	6.94005	6.98724	7.12841	6.92311
PDLIM2	8.07613	7.9114	8.05117	8.53711	7.74669	8.12324	8.25835	8.36378	8.21088
C8orf58	6.76201	6.61253	6.65777	7.08525	6.56633	6.6566	6.85709	7.07255	6.76299
CCAR2	7.86918	7.71745	7.88146	7.52202	6.70254	6.71767	7.73598	7.2046	7.28878
RHOBTB2	6.4856	6.88351	6.73099	6.6139	5.83119	6.34694	6.257	6.38047	6.30624

LOC389641	6.08859	5.88302	6.07098	6.12241	6.55758	6.31037	6.50204	6.32684	5.72385
CHMP7	7.0261	6.72514	6.78236	6.59106	6.33281	6.77145	6.87325	6.80565	6.96971
R3HCC1	7.35119	7.27119	7.44514	6.9666	6.45737	7.0445	7.20531	7.11204	7.0024
LOC100507156	5.50856	5.52067	5.52854	6.02847	6.64764	5.998	5.90502	6.12118	6.09526
ADAM28	6.06586	5.90925	6.15171	5.53049	6.14613	5.18448	5.4092	5.35263	5.214
ADAM7	4.54258	4.85486	4.83406	4.63621	6.06013	5.35134	4.97982	4.92484	5.32351
DOCK5	7.92694	7.7426	7.98804	7.37267	6.13266	6.76889	7.25468	8.4777	8.13179
CDCA2	6.00168	5.71952	5.36148	6.06052	5.48636	5.8318	5.9873	6.13631	5.46544
BNIP3L	11.9519	11.8146	11.6656	11.6761	12.0703	12.2152	11.7275	12.161	11.872
DPYSL2	7.72613	7.81987	8.84067	6.89497	6.18937	6.70102	7.5118	7.13022	7.49308
PTK2B	7.7582	7.39779	7.69583	7.54187	6.79187	7.85201	7.52587	7.44429	7.7483
MIR3622A	7.02615	7.29183	6.93256	7.49955	8.21345	7.53827	7.18577	7.24242	7.82162
ESCO2	4.67174	3.92303	4.06983	4.67786	3.78241	4.02249	4.00593	4.21551	4.22073
ELP3	7.95006	8.40966	8.28878	7.8231	6.70639	7.24451	7.90554	7.12336	7.70304
PNOC	6.16447	6.25746	6.16038	6.96594	7.94162	7.11945	6.32983	6.71159	6.85921
FZD3	7.3159	7.28435	7.18756	6.44167	5.72886	5.58231	6.82889	5.38323	6.00072
EXTL3	6.46547	6.11732	6.48463	6.77083	6.48632	7.0378	6.71804	7.15659	6.67311
HMBX1	8.55755	8.22917	8.38338	6.79012	5.79973	6.04394	6.76141	6.79512	7.35437
FAM183CP	5.40658	5.43139	5.52555	6.00471	6.6497	6.19894	5.44011	5.91134	5.37783
SARAF	5.83934	5.75041	5.89157	7.554	6.2135	7.82696	7.93054	6.60974	6.5823
LEPROTL1	7.23167	7.08864	6.87268	7.35806	7.1302	7.49453	7.11669	6.65398	7.25391
DCTN6	10.8849	10.5658	11.0193	10.1947	9.93896	10.3061	10.7174	10.7506	11.0433
RBPM5	7.59843	7.36478	8.17971	6.99206	5.86001	6.6363	7.13649	7.03228	6.93674
smim18	3.02876	3.22986	2.89458	3.26877	2.90324	3.25939	3.68925	3.09965	3.33256
UBXN8	7.13348	7.24294	7.49556	6.99285	6.40302	6.53786	7.15034	6.70996	6.8632
NRG1	7.7336	6.20052	6.83438	9.13276	6.86605	7.26582	7.79746	9.04124	9.59533

NRG1-IT3	3.55842	3.73532	3.95638	3.84954	5.32111	4.29534	4.00195	3.85372	4.30896
MAK16	7.89169	7.90451	8.16462	7.32178	6.45122	6.87802	7.81511	6.79645	7.40603
UNC5D	5.53397	5.78644	5.36808	5.59734	6.57893	6.14792	4.92446	5.62442	5.86387
ZNF703	7.49219	6.93182	6.83446	6.85892	5.05743	7.35901	6.62038	6.27964	6.44229
ERLIN2	7.26766	7.36842	7.4203	6.79477	6.74238	6.4863	7.07287	6.50922	6.90592
PROSC	8.80655	8.27802	8.87792	7.75581	6.4463	7.4403	8.04621	7.41061	7.7128
ADGRA2	7.66786	7.26638	7.82592	7.46935	6.30406	7.00735	7.58128	6.79251	6.90405
EIF4EBP1	6.88093	6.85125	7.06507	9.41128	8.10399	9.88371	9.79353	9.49655	9.21167
bag4	7.83788	7.93425	7.92676	7.73341	6.30395	7.19693	7.64348	7.25552	7.26742
DDHD2	7.69738	7.95649	7.99574	7.2142	5.79355	6.73023	7.75128	6.91646	7.31036
whsc1l1	5.21565	5.10067	5.23792	6.34972	5.02439	5.40012	7.10353	5.12867	5.30295
letm2	5.74766	5.67933	5.62817	6.35578	6.22717	6.2236	6.36931	6.87785	6.74459
HTRA4	5.74933	6.28901	6.27345	6.46945	7.29113	6.2788	5.68923	6.01091	6.18508
ADAM9	9.40977	9.05825	9.19202	9.38543	8.94157	10.2342	9.44769	10.9882	10.2458
ADAM32	5.45207	5.20819	5.55011	5.29888	5.41005	4.25489	5.51588	5.30338	5.32318
LOC100130964	3.51652	3.6949	3.15157	3.6716	3.72529	3.69276	3.89027	3.54288	3.12401
ADAM18	4.22183	4.30709	4.23911	4.48026	5.45468	4.73347	4.78175	4.43172	4.32993
c8orf4	5.66266	5.52277	5.40637	5.67198	4.7859	5.01453	5.51629	5.31816	5.76818
GOLGA7	10.854	10.8265	10.6993	10.3226	10.6378	9.95139	10.3285	11.0715	10.4204
GINS4	5.26226	5.02196	5.48449	5.46991	5.42543	5.67818	5.39325	5.36033	5.52118
MIR486-1	7.14709	7.21726	7.62023	7.67023	8.7729	8.29277	7.48082	8.01977	8.03603
VDAC3	10.2077	10.0034	10.0217	9.56698	7.56864	9.3535	9.77272	9.38244	9.35471
SMIM19	8.27958	7.99133	8.2431	7.51901	7.54744	7.25942	7.95717	7.07048	7.29473
HOOK3	9.79737	9.77309	9.52459	9.01578	5.89363	9.38044	9.08818	8.93908	9.19259
POMK	8.46069	8.60179	8.21811	7.67343	6.04496	6.74336	7.44945	7.39944	7.56163
HGSNAT	8.79259	8.84986	8.98153	8.296	6.93515	7.86108	8.45434	8.33003	8.41556

LINC00293	3.53691	3.71127	4.26014	4.35496	5.90705	5.31728	4.18768	4.36968	4.67415
LOC100287846	5.58936	5.38433	5.28635	4.64453	6.26726	5.38986	5.17112	6.15224	5.239
SPIDR	7.85838	7.99518	7.91693	6.84284	6.87296	6.53886	7.32211	6.99888	7.01787
MCM4	8.25168	8.24054	8.45535	8.33761	5.82304	7.07473	8.34589	6.91071	7.26291
UBE2V2	6.92884	7.22191	6.92258	7.61466	6.32351	7.9135	7.75815	7.97346	7.45429
C8ORF22	4.76064	4.98477	4.77423	4.97288	5.73343	5.54096	5.18633	4.87266	5.07218
PCMTD1	5.12735	5.33248	4.9151	6.31743	5.69016	5.44288	6.6465	5.07738	4.96804
NPBWR1	6.16608	5.95686	6.00613	6.78169	6.49387	7.04195	6.50371	6.58525	6.5075
RGS20	5.85892	5.58106	5.45879	6.64197	6.43378	7.5421	7.16265	6.68219	7.08594
MRPL15	8.49162	8.57141	8.41745	8.88776	5.97622	8.03799	8.80434	7.69993	8.19603
SOX17	6.17106	5.89044	6.23609	6.38152	6.13276	6.17581	6.39531	6.16409	6.38539
RP1	4.63672	4.74218	4.89505	5.07399	5.19108	4.97808	4.6702	4.79634	4.60563
TGS1	7.62294	7.61647	7.79819	7.31617	6.36901	7.10839	8.13047	7.01794	7.30293
LYN	7.89712	7.2513	7.8721	6.9032	6.88594	7.88731	8.04978	8.87975	8.28593
CHCHD7	4.89551	4.99497	5.17003	4.70984	5.56595	4.78722	5.30025	4.5109	5.06152
LINC01606	5.30752	5.04512	4.908	5.25058	6.07341	6.10289	5.39995	5.55589	5.80759
LOC286177	4.80903	5.0238	4.95786	5.65751	5.84716	5.916	5.42332	5.43264	5.33832
LINC00588	2.86076	3.11983	2.84033	3.33957	3.32326	3.59914	3.86361	3.90246	3.77912
UBXN2B	6.8669	6.84552	7.11097	5.84281	5.1033	5.54019	6.11781	4.82701	5.7765
SDCBP	7.14531	6.70353	7.30835	5.90533	5.00279	6.7371	6.17302	6.68782	6.49421
CHD7	8.38414	8.30498	8.16303	7.0301	5.84753	7.43158	7.82276	7.69006	8.14266
CLVS1	7.26624	7.786	7.3032	6.91077	5.9123	6.38893	6.38223	6.10618	5.97879
MIR4470	5.77159	6.10344	6.12485	6.90729	6.75086	6.82259	6.22786	7.05427	6.6916
NKAIN3	5.35537	5.80155	6.01144	6.16391	6.67339	5.76297	6.05227	5.6263	5.8783
UG0898H09	5.29491	5.37849	6.0291	5.58856	6.39322	5.80017	5.48202	5.43533	5.24612
LINC01289	4.82942	4.96856	4.80554	5.16998	6.87671	5.41211	5.14857	4.97527	5.2023

MIR124-2HG	4.13102	4.43687	4.31124	5.1312	4.9591	5.22381	4.6686	4.92741	4.84184
mir124-2	6.2427	6.1639	6.0066	6.78087	7.22629	7.15412	6.74376	7.27374	6.72251
MTFR1	8.25357	8.0228	8.08842	7.52868	6.67992	7.46256	7.81024	7.85925	7.97327
TRIM55	4.46206	4.80226	4.61227	5.31395	5.52143	5.37773	5.22055	5.17632	5.15503
LINC00967	5.45974	5.63096	5.31472	5.38668	6.58304	5.80301	5.51643	5.71717	5.81092
RRS1	6.61677	6.66729	6.76694	6.99712	5.51384	6.80785	7.57995	6.47118	6.68266
C8orf46	5.07612	5.1111	4.91488	5.24759	6.03539	5.6662	5.00208	5.00444	5.29659
MCMDC2	5.6653	5.51254	5.47188	4.80129	4.77657	4.78169	4.81644	4.27398	4.45256
CSPP1	7.39378	7.48556	7.35626	6.36628	5.09809	5.96828	6.84159	6.2436	6.25765
c8orf34	5.10218	6.54744	5.85909	6.00466	5.71383	6.06606	6.28067	5.62362	6.14239
SULF1	7.59412	6.53817	7.06782	6.10197	6.02095	5.14668	5.55297	5.50487	6.27235
TRAM1	5.49999	5.6695	5.36123	5.45732	2.47826	5.13882	6.36049	4.64191	5.07863
LACTB2-AS1	3.92144	4.20262	3.90176	4.06861	5.85213	4.20962	3.93788	3.87206	4.00452
MSC-AS1	5.32933	5.35621	5.54061	5.15398	4.85214	5.22713	4.81629	5.40185	5.24255
TERF1	7.54235	7.60175	7.60281	6.42644	5.41068	5.4166	6.63273	5.99293	6.18315
RDH10	8.47366	9.19526	8.59785	8.2438	7.32813	8.62147	8.39775	9.08579	8.37445
STAU2-AS1	4.76773	5.03247	4.80821	4.92239	5.55097	4.95921	5.1614	5.02277	4.77304
tmem70	6.94169	6.77056	6.93076	7.16908	6.50661	6.82038	7.50829	6.78784	6.85942
LY96	6.39802	5.84149	6.88767	6.47867	4.16886	4.94547	7.01495	5.64986	5.84776
GDAP1	6.49906	6.34332	6.83701	6.71784	6.72814	6.65956	7.16624	6.22081	6.79584
MIR2052HG	4.13516	4.14979	4.40574	4.38408	5.26988	4.55223	3.98081	4.1564	4.35811
PI15	6.73558	6.16334	7.11947	6.72626	5.86138	5.53951	6.4704	6.31896	8.6932
CRISPLD1	6.60121	6.0194	6.75398	5.25467	5.56053	5.20861	5.73991	5.08395	5.07051
ZFHX4	6.92047	7.70184	7.2832	6.03929	6.60276	6.20571	6.03718	5.9543	5.88245
STMN2	7.9159	6.42968	7.18258	5.43516	6.33541	5.41533	5.8478	5.57426	5.79387
ZBTB10	6.17945	5.95802	6.10305	5.58302	5.54338	5.38491	5.41191	5.58879	5.43084

FABP5	9.49155	8.56932	8.59618	9.93695	8.63484	9.16189	8.98332	9.23217	9.95818
CHMP4C	9.47862	10.4776	9.62945	9.32286	8.7649	9.7826	10.1062	10.3151	10.0845
RALYL	4.65145	4.83532	4.668	5.1306	5.96896	5.20021	5.04257	4.85185	4.90072
LRRCC1	6.94551	7.06954	7.51165	5.69594	3.88764	4.41538	6.01447	5.35698	4.38792
CA13	7.62761	7.9662	8.07049	6.5666	6.3489	5.67383	6.82673	5.60422	5.84743
CA2	9.88346	7.82254	7.83461	11.0108	7.88455	11.5342	10.2943	9.20083	9.84142
WWP1	9.38962	9.77029	9.78572	8.63272	6.68512	8.74305	9.17177	9.34352	9.09923
CPNE3	9.55846	9.63575	9.75507	8.70461	6.89511	8.9443	9.13737	9.19279	9.22484
CNBD1	2.66067	2.69573	2.75399	3.09208	2.85132	3.09602	2.67391	2.89182	2.66449
RIPK2	8.3352	7.64768	8.01864	8.5771	8.63936	7.65029	8.06525	8.86495	8.36584
OSGIN2	6.49639	6.35665	6.67589	6.11934	5.14037	6.05371	6.49478	6.20067	5.60311
LINC00534	4.88048	4.77045	4.79375	5.07749	5.75146	5.6472	4.65632	5.04519	5.03244
NECAB1	4.57506	5.29027	5.00435	4.85061	5.46815	5.22941	5.08251	5.09386	4.93155
OTUD6B	8.45935	8.79945	8.87985	7.80167	5.25612	6.62684	8.43596	6.9799	7.84823
MIR4661	5.38227	5.49767	5.22964	5.55871	5.27581	6.33059	5.92843	5.87289	6.05555
trfq	4.90114	4.76847	4.64642	5.00725	5.38372	5.23026	5.07444	4.63143	4.946
RBM12B	4.83115	4.75478	4.79795	5.22902	4.95334	5.02912	5.31904	4.8721	4.929
RBM12B-AS1	5.358	4.87583	4.90619	5.49613	6.3769	5.94795	5.20143	5.40767	5.16841
TMEM67	6.70028	6.69476	6.7703	5.33385	5.20105	5.02213	6.05895	5.47202	4.9948
PDP1	6.16399	5.86157	5.93779	6.33623	5.82469	6.14853	6.10319	6.68606	6.68216
ESRP1	10.7323	10.58	10.3178	10.3977	8.78308	10.7184	10.3574	10.1716	10.7356
DPY19L4	8.34083	8.5009	8.36561	7.90062	6.51386	6.71438	7.96552	7.12667	7.08896
INTS8	7.42386	7.25401	7.37059	6.75411	4.99911	6.1314	7.11611	6.5504	6.14868
MIR3150A	6.7574	6.85725	7.15553	7.44248	7.74423	7.69992	6.9963	7.3433	7.73122
C8orf37-AS1	6.45822	6.51833	6.41757	5.29885	6.14014	5.59277	5.42361	5.48238	5.75402
PTDSS1	9.27786	9.06052	9.43069	8.7351	7.06184	7.90109	9.02884	8.14428	8.3528

SDC2	8.16256	7.81255	8.58229	8.49528	6.41347	7.11095	7.9041	7.15903	7.60938
CPQ	7.15078	6.39482	7.05253	6.13925	6.1885	5.38583	6.16468	5.93943	5.58932
MTDH	9.43476	9.52777	9.56244	9.50404	6.87778	9.05767	9.53607	9.06314	9.19327
LAPTM4B	10.308	9.6911	10.0167	9.31722	7.00655	8.44466	9.74871	8.31662	8.6062
MATN2	7.54455	7.80476	7.1679	6.23644	6.88452	6.42972	6.87419	6.18912	6.18844
ERICH5	5.42051	5.83346	5.61111	5.97466	5.66146	5.806	5.96958	5.8062	5.34282
osr2	6.44995	6.30939	7.08491	5.53381	6.02115	6.12936	6.15137	6.71331	5.21997
VPS13B	9.39557	9.54742	9.4934	8.4493	6.30027	7.64424	8.30106	8.39889	8.80254
SPAG1	6.6397	6.81244	6.13323	6.3366	5.17696	5.8264	6.16803	6.50075	6.81178
MIR4471	2.23288	2.03331	2.00933	2.0918	2.11827	2.63988	2.20735	2.18773	2.50894
FLJ42969	4.55529	5.02171	4.88488	5.2508	5.9456	5.78304	5.61297	5.34452	5.26305
NACAP1	5.47722	5.24896	5.51125	6.88326	6.3399	6.61351	6.26704	6.01842	5.94167
GRHL2	9.85594	9.74215	9.32652	8.92449	6.75751	7.80951	8.38849	7.67082	7.98567
NCALD	4.06139	4.1116	4.03361	3.44783	3.46453	3.59543	3.72001	3.11302	3.63887
ODF1	4.57463	4.86267	4.55767	4.86951	6.6299	5.29159	5.06971	4.78127	5.08837
MIR3151	5.98261	6.08672	5.90778	7.07764	8.36878	7.02862	6.97169	6.56632	6.70541
FZD6	9.55075	9.46941	9.73636	9.38229	7.09175	8.09453	9.68646	8.14218	8.78644
CTHRC1	7.20407	6.80749	7.62334	7.3304	6.23063	5.7649	6.94483	5.98071	6.48852
DCAF13	6.06847	5.78329	5.77889	6.0628	5.02416	5.53692	5.68287	5.14371	5.90585
RIMS2	4.29703	4.08838	4.45824	4.93359	4.81924	5.33303	5.16911	4.94465	5.20963
DCSTAMP	4.1391	4.7028	4.62058	5.01836	5.93143	5.17664	5.03018	5.32146	4.96858
OXR1	7.99416	8.04391	7.93582	7.20763	5.38106	7.13975	7.42783	7.50582	6.74797
EMC2	6.58369	6.78104	6.85765	6.52157	5.37163	7.33662	6.9368	7.40598	6.49566
TRHR	3.87881	3.84644	3.83719	4.51836	5.46822	4.97855	4.03049	4.44547	4.17431
ENY2	7.36246	7.71803	8.07324	7.44225	6.16041	6.28387	7.61184	6.56042	6.5814
PKHD1L1	5.47323	5.8353	7.6103	4.8184	5.60255	5.07093	5.66	5.42069	5.19439

MIR2053	2.60157	2.45337	2.57142	2.34809	2.50832	2.4533	2.56068	2.20966	2.83202
RAD21-AS1	5.3756	5.56063	5.56526	5.58892	5.75816	5.66534	5.55097	6.2096	5.96984
AARD	6.14894	6.39352	6.46085	6.34417	5.77571	6.68173	6.1854	6.31738	6.11123
MED30	6.17708	6.36734	6.33827	5.63489	5.64123	6.1586	6.72169	6.21579	5.96852
SAMD12-AS1	4.47415	3.71942	3.6923	4.04556	4.6291	3.86753	4.1159	3.87381	3.37387
COLEC10	4.89937	4.60785	4.87357	5.19871	5.88081	4.78902	4.94535	4.90169	4.87954
NOV	7.02792	6.47353	7.75346	5.4996	5.89917	6.44897	6.12531	5.57248	5.59644
DEPTOR	7.57647	7.22142	7.36473	6.31883	6.83776	6.073	6.68359	6.28803	5.97765
HAS2-AS1	5.19312	5.24631	5.46486	5.49733	5.45459	5.94517	5.37175	5.32481	5.26263
ZHX2	7.13613	6.93059	7.00877	6.9842	6.94893	6.82087	7.42619	6.56837	6.83437
TBC1D31	6.34677	6.36184	6.30706	6.02437	6.01395	5.92754	6.18496	5.44221	5.63601
WDYHV1	6.36594	6.44546	6.4172	6.10798	5.15148	5.73991	6.32515	5.68649	5.53704
FER1L6	5.37951	5.0328	5.40354	6.21031	6.51657	6.2763	6.26377	5.80852	7.0291
TRMT12	6.08781	6.03377	5.98051	6.00201	5.57062	5.03937	6.21092	5.66867	5.92383
RNF139	8.31699	8.32828	8.31695	8.36853	8.16159	8.206	8.50932	7.89582	8.25867
MIR4662A	2.61657	2.634	2.14466	3.55581	1.66402	2.97823	2.54281	2.3292	2.35782
LINC00964	6.31256	6.37878	6.24799	5.30504	6.16541	5.78932	5.49175	5.39147	5.52358
ZNF572	4.42118	4.94566	4.57387	4.06538	4.9336	4.44419	3.97682	4.12487	3.92023
SQLE	9.61368	8.98014	9.186	8.97919	7.10699	8.87653	9.53446	9.10063	9.74934
TRIB1	8.61399	7.45744	7.95428	8.42057	7.09341	9.86462	9.03239	9.41486	9.40586
POU5F1B	5.48862	4.97872	5.39129	4.06016	4.96039	4.89563	4.04176	4.57459	4.72572
MYC	9.13929	8.00947	8.48653	9.1406	6.89996	8.03877	9.204	8.14334	8.19866
MIR1205	6.02965	5.76259	5.65623	5.70117	6.59732	5.69399	5.50494	6.26561	5.89868
MIR1206	4.60382	3.67461	3.72438	3.74934	3.22859	2.5836	4.19733	4.66626	2.66429
MIR1207	3.05865	3.11527	3.15293	3.32921	3.34286	3.98123	3.61699	3.7355	3.73471
MIR1208	5.53876	5.64679	5.86903	6.69722	6.29	6.51175	6.08574	6.1869	6.15101

EFR3A	9.46887	9.46598	9.32303	9.23891	6.17496	8.36489	9.18586	8.56439	8.83657
PHF20L1	8.08328	7.82875	8.0081	7.34607	6.13922	7.15374	7.57114	7.4519	7.73416
TG	6.39654	6.8198	7.33642	6.65367	6.8231	6.84644	6.30104	6.96673	6.49529
WISP1	6.55491	6.54836	6.32055	7.7312	6.68311	6.96813	7.23112	7.34756	7.48374
ZFAT-AS1	4.54463	4.01533	4.33137	4.74549	5.76618	4.75273	5.29484	4.34877	4.57013
LINC01591	4.31247	4.45325	4.29984	4.59485	4.46017	4.55962	4.66038	4.57287	4.79871
CHRAC1	6.84063	6.54652	6.73464	6.57057	6.627	6.29685	6.8979	6.10891	6.50325
DENND3	6.15669	6.32949	6.70435	5.87408	6.2887	6.42638	6.1131	6.83056	6.4936
LINC01300	4.17855	5.11699	4.40164	5.00692	5.72546	5.09125	4.595	5.15692	5.27427
MIR4472-1	4.51552	4.3984	3.90832	5.47218	4.62687	5.10955	5.00574	5.08343	4.86199
ADGRB1	6.56466	7.16226	6.30349	7.0299	7.02721	6.80829	6.71923	6.90419	6.45322
PSCA	6.08226	6.29247	6.71945	6.68615	6.9819	7.06507	6.46018	6.95088	6.89175
THEM6	7.10172	7.24072	7.1343	7.57339	7.38768	7.92776	7.89124	7.58421	7.22471
GML	4.54042	4.32272	4.52984	4.51599	5.9943	4.70782	4.47085	5.03347	5.42584
GPIHBP1	6.56238	6.74561	6.82485	7.0396	6.59197	7.52075	6.71973	7.08024	7.01894
ZFP41	6.71738	6.50066	6.66218	6.65023	6.7116	6.51149	6.43746	6.79377	6.31652
GLI4	5.97918	5.7409	5.96232	6.23888	5.88929	6.78952	5.93663	6.68188	6.29564
ZNF696	5.97793	6.37663	6.17698	6.2154	6.31295	6.65153	6.46845	6.46652	6.48876
GSDMD	5.81482	5.68515	5.91444	6.22243	6.72206	6.40133	6.40851	6.50647	6.63001
TIGD5	6.76732	6.64134	6.54823	7.57826	6.98448	7.55578	7.93773	6.83999	7.38974
ZNF623	7.21582	7.63408	7.6323	7.5054	7.25684	7.42895	7.09815	7.28989	7.18972
ZNF707	5.39927	5.51963	5.59795	6.23402	5.91131	6.23518	5.55132	5.86668	5.75828
BREA2	5.29592	5.27444	5.24795	6.0324	5.50529	5.68861	5.40843	5.57308	5.22389
MAPK15	5.88706	5.91813	5.81743	6.35312	6.60351	6.60573	6.03434	6.22058	6.404
SPATC1	6.76802	6.81352	6.71157	7.51297	7.66312	7.61516	6.73186	7.30117	7.16863
EXOSC4	7.90998	7.62785	7.50976	8.16992	6.76171	7.94496	8.47671	8.35801	8.05388

GPAA1	7.71953	7.47738	7.96085	8.75835	7.78426	8.3876	8.49418	8.19947	8.08914
Cyc1	8.5153	8.53749	8.5584	9.04107	7.85665	8.73729	9.13447	8.49264	8.82595
MAF1	7.36187	7.15037	7.56658	8.2934	7.54188	8.16902	8.44352	7.69613	7.99712
wdr97	6.47011	6.2911	6.39148	7.13841	6.92873	7.19637	6.45766	7.07386	6.72449
MROH1	6.61574	6.59536	6.58482	6.99179	6.60993	7.42917	7.37064	7.4434	7.44974
SCX	5.73336	6.05995	6.17438	6.27819	6.12295	6.55496	6.27749	6.50823	6.7129
HSF1	7.90692	7.7332	7.77246	8.47368	6.39017	8.27707	8.53208	8.07747	8.11178
adck5	6.9713	6.51674	6.73871	7.21496	6.47577	7.29061	7.26993	6.96748	7.12571
CYHR1	4.9961	4.88622	4.49937	4.98807	4.63345	5.17262	5.66853	4.54345	4.68096
KIFC2	7.99732	7.60617	7.43753	7.52935	7.40923	7.70093	7.3976	7.39459	7.70999
GPT	6.5164	6.29299	6.43373	6.75526	6.92428	7.08247	6.9254	6.93453	6.79534
MFSD3	7.19669	6.96096	6.64914	7.43762	6.61783	7.64733	7.89441	7.15992	7.08753
LRRC14	6.69561	6.52553	6.54151	6.6198	6.38708	6.6575	6.67711	6.5668	6.48105
ZNF517	6.31557	6.42773	6.50482	6.44274	6.82843	6.35937	5.97121	6.37947	6.17794
ZNF7	7.00646	6.87783	7.01338	7.01016	7.25677	7.10038	6.9058	6.98174	6.88793
TMED10P1	3.80822	3.78962	4.15234	4.35668	3.94889	4.20929	4.30167	4.14732	3.97265
ZNF252P-AS1	5.38937	5.53378	5.29557	6.08242	6.6911	6.12176	5.8578	6.1332	5.63643
c8orf33	7.73835	7.84841	8.00954	7.91091	6.99199	7.547	8.25666	7.47394	7.58048
TDRP	6.68541	5.99764	6.57611	7.57254	6.00103	7.48368	7.79336	7.62087	7.66511
erich1	7.89283	7.90988	7.65118	7.02386	6.95683	6.94033	7.62841	7.18473	7.41602
LOC286083	5.22425	5.88523	5.66154	5.6008	6.91764	6.13069	5.67564	6.20218	6.14849
CSMD1	4.66493	4.98181	4.71141	4.84186	5.68307	5.19364	5.11056	5.17199	4.85419
LOC100287015	5.13357	4.88348	4.99684	5.68734	5.0939	5.69782	5.616	5.59438	5.21774
ANGPT2	7.65008	6.3936	7.08355	7.0958	5.94123	6.36165	6.29222	8.23385	7.75322
LINC00965	6.43477	6.58251	6.96262	5.88221	10.433	6.52298	6.11755	6.2337	5.92062
ZNF705G	2.37033	2.57369	2.51232	2.61551	5.09307	2.54295	2.56692	2.61446	2.22931

SPAG11B	5.18882	5.44291	5.15569	6.02494	7.80599	5.09103	5.49422	5.17462	5.95723
MIR548I3	6.64982	8.11877	7.14286	3.26642	6.63095	3.75812	3.52419	3.99659	3.54766
SGK223	7.2166	6.84992	6.92045	8.15094	6.78853	7.70184	8.76254	8.60265	7.833
MFHAS1	7.99864	7.65069	7.70876	7.65455	6.10167	7.56418	7.81424	7.45367	7.7175
LINC00599	2.83645	3.13396	3.06738	3.26463	3.47807	3.58117	3.14065	3.14605	3.26337
mir124-1	3.10378	3.20466	2.83604	3.56251	3.96067	3.5106	3.66515	4.01965	3.56932
RP1L1	6.29502	6.02982	6.07292	6.11446	6.23104	5.96502	5.91986	6.33617	5.83781
SOX7	9.31447	8.80051	8.72685	9.10149	8.27404	8.28507	8.89133	8.26015	7.72878
MIR1322	2.95248	3.08817	2.91491	1.9782	1.9601	2.20123	3.11602	1.8252	2.0778
Mir598	6.20293	7.64247	6.0311	5.85902	7.20811	5.70371	5.73802	6.00392	5.95133
CTSB	7.74441	7.4442	7.93096	8.27484	7.69001	8.48233	8.12072	8.89041	8.44104
LOC392196	5.59975	5.81641	5.68689	6.1656	8.9145	6.39878	6.21954	6.06934	5.75642
LOC729732	6.2036	6.34912	6.51201	6.06919	6.12238	6.10696	5.87457	5.323	6.19899
LONRF1	8.75187	9.87633	9.49074	7.9106	6.17537	7.06344	7.80719	6.99819	7.18421
DLC1	7.1437	7.06754	6.75088	6.60829	6.07432	5.95357	6.18753	6.54038	6.54647
MIR383	8.78149	8.57696	8.89855	9.58256	8.64474	9.35994	9.28505	10.1628	8.90944
MSR1	4.78818	4.60087	5.87425	4.84639	5.06623	4.97843	5.16649	4.86475	5.40378
FGF20	5.17475	5.24791	5.47005	5.37849	5.69476	5.93804	5.71125	5.84841	5.65167
MTMR7	5.08317	5.51251	5.7091	4.93734	5.75963	5.20933	4.94571	5.31298	5.28817
MTUS1	7.37243	6.99448	7.34496	5.93775	6.04866	5.83906	6.55829	5.80108	5.98841
MIR548V	8.60945	8.15707	8.70154	5.22682	5.44933	3.80088	6.22033	5.65066	6.12591
fgl1	3.94941	4.04806	3.75941	4.18584	4.36633	4.38096	4.51146	4.61932	4.03882
ASAH1	9.18041	8.58747	9.22083	8.91475	6.99293	8.6363	8.9057	7.57141	8.34245
PSD3	7.50636	7.99509	7.17564	6.66912	6.86263	5.92398	6.83284	6.45797	6.06863
LOC100128993	3.90189	4.00105	3.72823	4.28921	5.58614	4.10869	4.11033	3.97616	4.29032
CSGALNACT1	5.84154	5.90497	6.43652	5.73608	6.33514	5.67059	5.85522	5.95207	6.08376

GFRA2	6.02725	5.79216	6.26073	6.39263	5.60641	6.2046	6.0116	5.98407	5.89835
NUDT18	6.66205	6.58002	6.65297	7.2115	6.83352	7.83113	7.10129	7.15664	7.06845
HR	8.68278	8.53856	8.46774	8.297	6.82646	7.71553	8.27201	8.55635	8.52626
REEP4	8.06808	7.79712	7.83551	8.55715	6.82809	8.65114	8.77474	8.09816	7.90329
phyhip	5.61276	6.32286	5.66279	5.83476	6.33894	6.61781	5.83251	6.20564	5.82954
BIN3	6.6485	6.57447	6.52598	6.67805	6.12006	6.82342	6.89229	7.139	7.06666
BIN3-IT1	7.67885	7.40344	7.49243	7.06232	7.29943	7.39697	6.62724	7.93186	7.8223
EGR3	8.55951	7.65763	8.00576	8.59886	6.90456	7.89068	6.86792	7.31796	7.56103
PEBP4	5.56515	5.2853	5.45935	5.80217	6.33306	6.04268	5.40157	6.03584	5.80739
LOXL2	6.89608	6.46969	6.94646	7.44294	7.3267	7.25479	7.08134	7.65952	7.78411
ENTPD4	8.90102	8.7929	8.58959	8.19749	7.45553	7.23638	7.6905	8.79013	8.09181
NKX3-1	6.86332	6.82153	6.86264	6.78321	7.2332	7.10586	6.94716	7.01884	7.00338
NKX2-6	5.86875	6.10174	6.06548	6.64678	6.4091	6.81257	6.77643	6.58951	6.81885
STC1	5.21036	5.11219	6.49408	5.34321	5.64645	6.05061	6.56212	9.3887	9.20505
GNRH1	6.79561	7.01033	7.03824	5.99371	5.43243	4.89825	5.45963	5.93105	6.35936
KCTD9	8.61307	8.63867	8.77819	8.67961	6.25485	9.53605	8.84453	9.35825	9.28025
EBF2	7.15068	6.1926	7.09063	5.94297	6.41867	5.75838	6.10464	5.78768	5.57331
PNMA2	5.62025	5.98208	6.21669	6.52923	7.17162	6.83162	6.07219	6.23388	6.36448
ADRA1A	4.43409	4.44169	4.36709	4.72681	5.22734	5.17109	4.21745	4.61954	4.70217
STMN4	5.56121	5.61065	5.73984	6.27322	6.50252	6.37351	5.89476	6.20678	6.04214
TRIM35	7.63289	7.63304	8.41014	7.61273	5.9694	7.4986	7.95114	7.08024	6.76502
CLU	7.51202	8.04974	8.02284	5.45712	5.2217	6.66397	6.52475	6.7111	6.11213
CCDC25	8.37017	8.62508	8.24617	7.89915	7.81515	7.1452	8.20851	7.24809	7.66133
PBK	6.04653	5.83054	5.41915	7.0193	5.34419	5.40201	6.15361	5.84392	5.60559
MIR4287	3.10131	4.00325	4.6222	2.69029	4.4105	3.55193	3.75291	3.20989	3.39921
ZNF395	7.91387	8.41612	8.24111	8.24792	7.10168	9.08638	8.30128	8.01793	8.25337

FBXO16	5.45132	5.51723	5.42122	5.32394	5.25614	5.75875	5.38278	5.41097	5.57227
MIR4288	7.08556	6.93091	6.85471	7.27081	7.40341	7.48191	6.58364	7.67025	7.19888
INTS9	7.33714	7.23399	7.28531	7.08892	6.12162	6.26606	7.27894	6.27707	6.67359
KIF13B	9.67603	9.35909	9.53048	9.09137	9.07537	11.2838	10.3975	11.3359	10.9126
DUSP4	6.108	6.00012	5.97186	6.10711	5.525	6.12027	5.86565	6.51419	5.92635
MIR3148	3.32406	3.69574	3.26823	2.9552	3.38455	3.30627	3.24694	3.38461	3.55717
MBOAT4	4.15661	4.21765	4.35095	4.4985	4.53697	5.52651	4.07777	4.51376	4.63622
BPMS-AS1	5.23007	5.27695	5.22758	5.86975	5.98272	6.39835	5.81655	6.17085	5.81879
GSR	8.68844	7.94723	8.9425	7.67647	6.44388	7.06989	7.91794	7.18706	6.67935
TEX15	4.03992	4.73667	4.20986	4.40981	5.10746	4.16125	4.29746	4.36874	4.28279
PURG	4.80586	4.94667	4.97988	5.37235	5.44702	5.36634	5.3659	5.1638	5.0056
TTI2	6.52723	6.77288	6.70525	6.80179	6.46431	6.26964	7.09265	7.93258	6.78767
RNF122	7.33091	6.38799	7.01648	8.10639	7.44831	9.65291	8.47982	10.0313	9.60309
DUSP26	5.8555	5.74969	5.67023	6.38924	6.69587	6.50429	6.09933	6.24413	5.9868
LOC728024	4.46628	4.57591	4.68206	4.49239	4.04324	3.64369	4.65155	4.43915	4.36232
RAB11FIP1	8.17587	7.82216	7.60757	7.80851	7.39611	8.84158	7.77081	9.85138	8.22846
GOT1L1	4.83925	4.62794	4.79056	5.26715	5.7387	5.42778	5.04987	5.11888	4.81938
ADRB3	5.75976	5.90798	5.87087	6.5762	7.53854	6.63783	6.26304	6.41073	6.47973
STAR	5.30335	5.28515	5.54379	5.65949	5.45249	5.84554	5.51321	5.02072	5.39591
PLPP5	7.2223	6.7791	6.91307	7.21507	6.27684	6.80026	7.10579	6.78178	7.23832
FGFR1	6.52448	6.56081	6.85525	6.19097	5.87859	7.36681	6.4409	6.72556	6.29563
TM2D2	7.01401	6.81483	6.9564	7.44101	6.55461	7.60553	7.38629	8.17135	7.46022
ADAM3A	3.72283	3.82238	3.60943	4.18655	3.39085	4.0303	4.2094	3.51337	3.66621
ADAM2	3.3031	3.35988	3.53527	3.76828	4.25874	4.3513	3.58144	3.6522	3.50852
SFRP1	9.16912	8.79653	9.55628	8.51092	7.63892	7.58508	8.76619	7.4459	7.56475
NKX6-3	4.53254	5.04534	4.76311	5.52097	5.796	5.76599	5.50875	5.5084	5.22295

KAT6A	9.48897	9.39379	9.31817	8.01595	7.05717	7.54618	8.06285	7.79993	8.31779
DKK4	4.90608	4.51563	4.69132	5.52951	6.49855	9.79877	8.27407	6.38824	5.40773
RNF170	8.30125	8.4922	8.26089	8.05413	7.13651	7.61529	8.02606	7.21802	7.91435
EFCAB1	5.41946	5.8774	5.38696	4.8801	5.20754	5.61872	5.16021	5.3343	5.30026
SNAI2	11.9022	11.7646	11.7315	11.6936	8.48387	10.2703	11.4589	10.4025	11.225
PXDNL	5.85789	4.68631	4.89006	5.23497	6.16432	5.48196	5.4247	5.03954	5.07945
ST18	4.65815	4.943	5.16659	5.30727	5.86642	5.45912	5.27571	5.38989	5.35622
RB1CC1	8.886	9.13096	8.89161	8.37421	7.17981	8.64933	8.76396	9.28271	8.76515
LYPLA1	9.89622	9.48305	9.5646	9.40206	8.32798	8.80749	9.15712	9.79793	9.02915
SBF1P1	4.95721	5.1255	4.93914	6.18194	6.29997	6.14148	5.88837	5.51972	5.89094
TMEM68	7.12765	6.84858	6.94512	6.36286	4.94199	5.13991	6.81376	6.02619	6.00818
MOS	4.75604	4.48351	4.82924	5.43692	5.53396	5.76515	5.08061	5.29141	5.21929
PLAG1	6.26054	6.72408	6.01041	5.53533	5.61264	5.94412	5.81211	6.95526	6.05152
PENK	5.4719	5.59847	5.38421	5.9837	6.57579	6.54172	5.70525	5.94332	5.83995
LINC00968	4.01932	4.09094	4.11261	3.87738	4.43512	4.27756	3.88196	4.62305	3.79849
IMPAD1	7.86209	7.89478	8.19211	7.75887	6.60083	8.73826	8.22394	8.23293	7.75376
NSMAF	8.41644	8.74895	8.61757	7.54817	6.10644	7.01097	8.14275	7.03621	7.35741
TOX	5.65785	6.28983	6.16209	6.01063	6.03155	5.66087	5.98956	5.43328	5.94602
CA8	5.17146	5.31056	5.4046	5.24267	5.56574	5.02502	5.49074	5.69779	5.55262
LOC100130298	4.06744	4.32418	4.37308	4.8626	4.8468	4.5672	5.17318	4.63	4.72925
ASPH	7.86506	8.24016	8.29377	7.20571	5.43139	6.74402	7.03331	7.89563	7.4887
TTPA	4.57992	4.7458	4.70327	4.97528	5.70333	5.11318	4.7219	5.11199	4.51309
LINC00251	5.55228	5.80009	5.63681	5.39022	7.11382	6.31848	5.14271	5.69027	5.86472
LINC01299	5.57829	5.76922	5.40348	6.14694	7.09688	5.96207	5.91338	5.6896	5.60684
ARMC1	7.38195	7.67009	7.56584	7.34411	6.50553	6.79018	7.3454	7.12946	7.10804
PDE7A	7.3671	6.94168	7.19479	6.76964	6.33843	6.90641	6.75848	7.34826	6.85456

CRH	3.30371	3.6299	3.67458	3.68534	3.72163	3.72441	3.5691	3.49895	3.62025
RRS1-AS1	5.72131	4.99854	5.45148	5.2686	6.19866	4.96645	5.16918	5.44599	5.02073
MYBL1	5.51142	5.94681	5.66442	5.17048	4.49862	4.99931	5.06668	5.19446	4.8377
VCIPI1	7.30106	7.46341	7.53318	7.73486	6.33911	6.75832	7.71497	7.18067	7.32585
TCF24	5.68713	5.5341	5.76145	6.02658	5.90093	6.85917	6.10253	6.31616	6.23785
COPS5	6.95608	7.03436	7.11698	6.77756	7.14621	6.38822	6.69823	6.64227	6.68148
ARFGEF1	9.49279	9.66652	9.46826	8.97697	6.569	8.88013	9.12259	9.00747	9.15204
cpa6	4.15933	6.64057	5.19571	5.47297	4.73761	4.97725	4.74393	4.67346	4.30154
C8orf34-AS1	6.13796	7.68891	7.2295	6.46303	6.83604	6.6839	7.28769	6.23182	7.14437
LINC01592	4.85794	4.65535	4.76952	4.47442	5.06372	5.03026	3.99338	4.73594	4.86005
PRDM14	5.51574	5.47918	5.44857	6.10818	6.20835	6.09223	5.9555	6.17261	6.21817
NCOA2	9.0529	8.97511	8.61017	7.52705	7.08124	7.28914	7.65168	8.36847	8.42263
EYA1	5.84907	5.50818	6.11456	5.51723	6.46722	5.85333	5.69352	6.06551	5.39894
MSC	5.13428	4.95503	5.23292	5.29296	5.87022	5.52795	5.90785	5.37081	5.44389
C8orf89	4.62862	4.11741	3.62587	4.24872	4.21771	3.7794	3.56258	3.26006	3.63756
UBE2W	8.52216	7.82435	8.08004	7.65906	6.43068	7.54863	8.07194	8.2292	7.97149
JPH1	6.4574	6.28264	6.18174	7.58972	6.99363	6.69252	7.18245	6.34839	6.5698
PEX2	6.76981	6.84188	6.84875	6.72879	6.12998	6.63402	6.64692	6.37729	6.18048
IL7	6.94464	6.24393	6.59942	4.77396	4.89282	4.63262	5.06799	4.29248	4.0643
HEY1	5.11007	4.6586	4.5056	5.30296	5.60458	5.09209	5.26989	5.15122	5.42802
MRPS28	6.75864	6.61969	7.01694	6.92155	4.81823	6.39964	7.35422	5.8311	6.5548
TPD52	5.78985	5.89119	5.83839	5.7331	5.9386	5.76988	5.9543	5.892	5.74216
ZNF704	7.87839	8.44741	8.06092	6.58265	6.33887	5.71652	6.72298	6.40213	6.36467
PAG1	8.74077	8.44355	8.64221	7.29833	6.35196	6.54921	6.90375	8.08123	7.7791
PMP2	4.8302	4.65089	4.78833	4.92599	5.21246	5.07831	5.26987	5.3538	5.15956
FABP12	2.66644	2.45387	2.33732	2.54602	2.63053	2.74807	2.68553	2.38476	2.59331

IMPA1	6.85886	6.62787	6.63243	7.016	5.16935	6.02888	7.32717	5.44234	6.67559
SNX16	7.38242	7.67115	7.41017	7.65757	4.67908	7.3727	7.49993	8.06976	7.45815
C8orf59	7.67672	7.53021	8.04461	7.28497	6.23259	6.51658	7.29295	6.83791	6.91913
CA1	4.05416	4.32389	4.33838	4.83128	5.13143	4.65405	4.20866	4.42818	4.49335
PSKH2	4.15761	4.32227	4.20076	4.52737	4.56452	4.98608	4.38118	4.73206	4.56668
CNGB3	4.68993	4.89532	4.73972	5.13284	5.65776	5.19914	4.812	5.00251	5.02076
DCAF4L2	5.32723	5.16752	5.30924	5.628	6.89578	5.80756	5.54373	5.94122	5.76493
MMP16	6.59291	6.50855	6.12554	6.49576	6.28716	5.93674	6.17666	6.40815	6.27783
NBN	8.36001	7.9906	8.33168	7.25621	5.52388	6.3716	7.6932	6.26055	6.93412
TMEM64	7.56916	7.848	7.82536	7.67865	7.45163	7.5687	7.29809	7.33269	7.38581
C8orf88	7.70037	7.01328	7.8585	7.17535	4.72063	7.10712	6.2067	6.28443	5.40766
TMEM55A	7.16998	7.04551	7.67057	6.34271	6.06503	6.22322	6.56312	6.16217	5.92422
FLJ46284	5.37012	5.28358	5.18139	5.64204	5.89273	5.54638	5.19222	5.41386	5.33758
C8orf87	5.36085	5.85661	5.60354	5.98887	6.85626	5.87396	5.73475	5.68287	5.87569
LINC00535	4.37486	4.48603	4.51541	4.82984	6.02581	5.47801	5.12535	4.73353	5.0214
MIR378D2	6.01538	5.23534	4.90546	5.57335	6.3252	5.73697	4.95148	5.30646	5.2743
GEM	7.10332	6.86628	6.52642	6.48381	5.98705	6.76135	5.79509	8.77854	6.73457
RAD54B	6.99832	6.95792	6.94297	6.202	6.13753	5.59615	6.36418	5.97852	5.23017
KIAA1429	8.23334	8.33296	8.19531	7.21652	5.76579	7.20147	7.85596	7.22589	7.55345
LOC100288748	4.30482	4.86891	4.10532	4.3054	4.36052	4.48123	4.01124	4.23194	4.29786
CCNE2	6.56522	6.79209	6.75415	6.93964	6.37504	7.53128	6.55998	6.42728	5.50211
TP53INP1	9.19565	8.86898	9.0241	8.02926	6.60194	6.87819	8.35092	7.44715	7.10769
MIR3150B	6.0539	6.24551	6.00676	6.38501	6.86901	5.94072	5.98723	6.17683	6.29254
LINC01298	5.38583	5.62702	5.69143	5.87107	6.29858	5.67156	5.54614	5.55533	5.4521
c8orf37	7.60454	7.28279	7.57639	5.55892	5.44631	5.54956	6.10292	5.65182	5.61247
LOC100500773	3.36902	3.30781	3.05125	3.8356	3.52466	3.99426	4.25674	3.55819	4.21419

GDF6	4.39586	4.42362	4.35024	4.93983	5.39425	5.08013	5.36594	5.04354	4.90773
Uqcrb	6.48164	6.50215	6.36333	5.7408	6.02011	5.51993	5.68545	5.78863	5.92969
MTERF3	7.05778	6.75836	6.955	6.87666	5.84044	6.40625	6.59071	6.75759	6.4098
TSPYL5	7.22544	7.02754	7.4935	7.3725	7.27327	6.57214	7.03036	7.26838	6.6863
RPL30	7.0287	6.63658	7.18508	6.76758	6.6627	6.50861	7.06037	6.5902	6.69705
RIDA	7.03048	6.92914	6.61146	7.02686	6.0422	6.65238	7.70723	6.08733	6.74323
NIPAL2	11.3975	11.2307	11.1206	10.1893	10.1087	9.74457	10.3594	9.54718	10.1425
stk3	7.00761	7.30732	6.86542	6.79579	5.80387	6.22329	6.33413	7.68005	7.17495
MIR599	4.21755	4.04754	3.96995	4.59676	3.7859	4.7449	4.30903	4.25982	4.12557
Mir875	3.81815	3.70267	3.62347	3.58557	3.67818	3.73467	3.64288	3.34388	3.8432
COX6C	5.89774	6.0892	6.05603	6.31803	5.84321	6.52371	5.83856	6.1499	5.71497
RGS22	4.34032	3.97207	4.91844	4.07894	4.33891	4.80569	4.60576	3.98957	4.27245
FBXO43	3.38904	3.22012	3.15851	3.59557	4.03931	3.38013	3.47035	3.38223	3.34286
ANKRD46	7.12905	7.31101	7.25454	6.63315	6.03847	6.88744	7.6034	6.69183	6.67168
SNX31	5.03181	4.93793	4.89215	4.99929	5.67439	5.75291	5.25685	5.09161	4.87257
ZNF706	8.46725	8.50631	8.16913	7.91838	6.58064	6.93326	7.94766	7.88709	7.996
RRM2B	6.78098	6.69436	6.8201	6.50162	4.41893	5.60515	7.50866	5.86273	5.91465
UBR5	9.29771	9.43462	9.24044	8.78952	6.79654	9.38046	8.93874	9.37429	9.07917
KLF10	11.4113	10.2004	10.5686	10.9172	9.55515	10.6817	11.058	10.1725	11.1884
AZIN1	8.39489	8.38063	8.55545	8.43447	6.6266	8.12236	8.78903	8.87508	8.10141
BAALC-AS2	4.98385	5.05936	5.24321	4.95077	4.98726	5.41562	5.60383	4.94414	4.9875
BAALC-AS1	5.63012	5.69212	5.96259	5.40452	6.31328	5.65481	5.83373	5.45421	5.56104
DPYS	5.15279	5.32695	5.4872	5.73344	6.29197	5.95875	5.64843	5.55057	5.47397
MIR548A3	5.14624	4.64734	4.53699	4.52606	5.42028	4.55963	4.64811	4.68141	5.06109
LRP12	7.35426	7.46249	7.19492	7.57116	5.60583	6.84879	7.36866	7.96061	7.02381
ABRA	5.58266	5.80147	5.40869	5.62426	5.84134	6.04966	5.70379	6.23004	5.78089

ANGPT1	5.42417	6.2989	5.84152	5.40716	5.59231	4.94738	5.09971	4.65842	4.89317
RSPO2	5.02476	5.10964	5.15795	5.04669	5.47674	5.89462	5.30223	5.55996	5.69667
TMEM74	4.81764	4.87811	4.71535	5.25191	6.17544	5.56469	4.94154	5.33682	5.1801
NUDCD1	7.35637	7.33146	7.61545	7.74575	5.5922	6.53979	7.31279	6.75201	7.02996
SYBU	6.07952	6.05344	6.092	5.20729	5.95097	5.43901	5.42777	5.51972	5.09586
CSMD3	4.62978	4.50318	4.50281	4.68763	5.62849	5.0208	4.84748	5.12274	4.93624
TRPS1	10.2449	10.6413	10.3736	9.39894	7.0929	9.08253	10.1118	9.18569	10.3657
LINC00536	4.80599	4.85287	4.71326	5.36019	5.61867	4.92739	5.06055	5.33682	4.76821
RAD21	6.85902	6.86551	6.91833	6.87138	4.74516	7.21532	6.88428	7.01353	7.03854
EXT1	10.3477	9.6073	10.0036	9.08846	7.02821	8.68301	9.54286	9.93671	9.13979
SAMD12	6.93734	5.94176	5.68055	5.59072	5.51953	5.7024	5.38372	4.98183	5.30735
ENPP2	8.47824	8.05244	9.04277	7.3798	6.23924	6.2422	6.99798	6.50064	7.55274
DSCC1	5.65168	4.97799	6.05336	4.98909	4.54932	4.80158	5.08615	4.87817	4.5084
MRPL13	7.15801	6.96351	7.29748	7.64527	5.93719	7.51223	8.21275	7.34643	7.73304
HAS2	6.91986	6.63369	7.14208	7.48679	6.56841	5.73997	5.84317	5.43254	6.18861
DERL1	9.9685	9.53392	9.97914	9.67545	8.12486	9.09637	9.76385	9.27793	9.70173
FAM83A-AS1	5.63612	5.27219	5.4379	6.48449	6.14036	7.23882	6.74769	7.13001	7.08803
MIR4663	7.00398	7.22479	7.18362	7.09626	8.29512	7.17225	6.53265	7.36001	7.12862
ZHX1-C8orf76	8.31914	8.32545	7.92548	8.03837	6.68326	7.40837	7.95316	7.45805	7.73976
MIR548AA1	3.90705	4.04426	3.79168	4.01652	3.61641	3.8076	3.18094	3.7686	3.34664
FBXO32	7.97252	8.5605	8.28662	6.97327	6.79984	6.29219	7.15218	7.43282	6.38475
KLHL38	4.23862	4.04099	4.03784	4.63824	5.39441	4.43756	3.85297	4.2437	4.1368
ANXA13	4.47115	4.85089	4.49293	5.11997	5.72024	5.28861	4.98939	4.95749	5.3282
FER1L6-AS1	5.14669	5.46904	5.58566	6.18481	6.55822	6.14237	5.76193	5.74538	5.58912
tmem65	8.59842	8.79985	8.36297	7.97459	6.58452	7.87687	8.63879	7.7281	7.86616
TATDN1	6.37125	6.63647	6.77589	5.55936	4.46328	4.84914	5.98887	4.61396	5.00051

MTSS1	9.49321	9.06552	9.28724	8.60695	7.83668	9.21647	9.15073	8.56212	9.21035
KIAA0196	8.88826	8.74724	9.00763	8.15689	5.74415	7.68898	8.5283	8.28641	8.3178
LINC00861	4.07856	4.03087	4.11578	4.00363	5.04242	4.11665	4.22573	4.07935	4.06115
CASC8	5.66587	5.4234	5.29463	5.33866	5.9625	5.77722	4.94975	5.337	5.20857
LINC00977	6.13184	6.56424	6.45084	6.58607	7.77897	7.11858	6.26855	6.84177	6.64609
MIR3686	3.18104	3.54589	3.43471	3.09837	3.59202	4.23154	3.52072	3.31938	3.57412
GSDMC	10.2537	9.90581	9.83956	9.63071	7.7627	9.39302	10.2449	10.6047	11.159
ASAP1-IT2	7.70184	7.22206	7.0356	5.7036	6.41314	4.69456	5.90964	6.70147	6.52304
ASAP1-IT1	7.6715	6.93991	7.64072	6.33525	6.12492	5.29554	5.95653	7.27292	6.9291
ADCY8	6.47557	6.76906	6.49872	5.41146	6.48339	5.77626	5.04832	5.36984	5.30428
OC90	4.91907	5.17674	4.84752	5.80176	6.116	6.28356	5.37041	5.77265	5.09738
HHLA1	4.46623	4.81373	4.55509	5.09017	5.67261	5.27029	4.70834	4.8443	4.8621
LRRC6	6.58979	6.38813	6.84638	6.05502	6.05917	5.69125	6.26628	6.04297	6.052
TMEM71	5.2887	5.29024	5.77541	4.80577	6.17934	5.38783	5.09891	5.8457	5.30102
SLA	6.13914	5.69901	6.72723	6.18097	7.02677	6.56019	6.34595	6.59895	6.36514
NDRG1	9.8936	9.58261	9.73416	10.4929	10.103	10.9546	10.2552	11.0734	10.7976
ZFAT	6.92283	6.78826	6.74096	6.64315	5.8397	6.74496	6.69442	6.8783	6.6731
mir30b	2.41156	2.02052	1.87469	2.37532	1.91062	2.80253	2.7466	2.19649	2.19883
mir30d	2.70495	2.65223	2.98169	2.32794	2.70495	3.02033	2.4487	2.58846	2.30776
TRAPPC9	7.94273	7.59048	7.47726	7.2134	6.65441	7.04517	7.53411	7.02711	7.57989
PTK2	7.95061	7.79831	7.87969	7.02517	5.76228	6.85698	7.18922	7.96845	7.7007
MIR151A	4.8027	5.21546	4.51693	4.13305	4.71293	5.07803	4.9526	5.28266	5.19358
GPR20	6.39385	6.09682	6.01645	6.5892	7.09194	6.95656	6.68562	6.19242	6.5456
MROH5	5.92004	6.29099	6.49211	6.4545	6.97115	6.4196	6.46726	6.46451	6.36639
MIR1302-7	2.94047	3.28137	2.65789	3.88204	2.58842	4.14596	3.37824	3.58975	3.50721
TSNARE1	6.91933	7.03705	7.23641	7.03472	6.54181	6.83656	7.07721	6.86027	7.10007

ARC	6.22232	5.8615	6.12228	6.68053	6.00392	7.34096	6.56584	6.29582	6.6742
JRK	6.99107	7.01084	6.95916	7.10157	7.01777	7.5167	7.03312	7.00735	7.27411
LOC100288181	4.7183	5.32186	5.30414	5.62226	6.34785	5.81165	5.41292	5.17633	5.35363
SLURP1	12.468	12.9031	12.3978	12.2491	10.2984	10.5893	10.7471	9.75619	10.3687
lypd2	6.30839	6.7819	6.35371	6.24787	6.72277	7.07706	6.56752	6.50786	6.61809
LYNX1	7.5079	7.36376	7.19745	8.68566	8.18871	8.4393	8.81918	8.30335	8.25769
LOC100133669	5.84208	5.57428	5.63684	5.81348	5.56592	6.25149	5.82648	5.91986	5.84208
RHPN1-AS1	5.40161	5.54123	5.88544	5.82822	6.88963	6.08719	5.74953	6.06271	5.89791
MAFA	6.20001	6.14862	6.47078	7.01215	6.34402	6.8543	6.70442	6.96858	6.95034
ZC3H3	6.97791	7.14419	7.15666	7.59105	6.37134	7.73067	8.15013	7.69833	7.53536
MROH6	7.33071	7.43547	7.19423	7.72255	7.87848	8.14863	7.79021	7.80848	7.94782
NAPRT	7.64439	7.16464	7.58138	7.79661	7.15252	8.51785	8.15344	8.03978	8.16636
EEF1D	6.71727	6.34588	6.72211	7.10079	6.64289	7.04413	6.49818	6.72136	6.70789
PYCRL	6.34364	6.4177	6.26368	6.72515	6.44862	6.90241	6.75732	6.56367	6.55203
TSTA3	8.05837	7.82734	8.23406	8.30365	7.05585	8.64263	9.02212	7.82116	8.58936
CCDC166	5.67765	5.53704	6.05531	6.57523	5.92938	6.99743	6.43051	6.96956	6.64616
MIR4664	5.15596	4.04101	4.54126	4.45839	3.77716	5.80615	5.3355	5.07733	5.28696
SCRIB	7.06691	6.92159	6.87913	7.47583	7.2857	8.00408	7.77448	7.33702	7.52478
PUF60	6.60672	6.68643	6.44887	7.07203	6.88819	6.82461	6.68057	6.99085	6.7088
NRBP2	7.99188	7.80942	8.00107	8.46529	7.67351	8.36226	8.05551	8.8273	8.63546
EPPK1	8.57674	8.94041	8.71011	9.42324	8.045	10.2543	10.3331	9.89994	10.6896
PLEC	7.90683	8.21504	8.20312	8.30507	6.39076	8.71465	8.77952	8.1776	8.61126
MIR661	8.01247	7.62016	8.21602	8.80928	10.1358	9.20895	8.26232	9.05682	8.73156
OPLAH	6.71857	6.73223	6.48588	6.90302	6.3398	6.89051	6.85569	6.72549	6.54148
SHARPIN	7.16184	7.22862	7.2319	7.82667	7.44522	8.23316	8.199	7.64296	7.82985
BOP1	7.63418	7.38782	7.74979	8.66002	7.06742	8.26758	8.70949	7.14302	7.76051

DGAT1	8.35023	7.66118	7.95266	8.74985	6.57774	8.48405	8.85793	8.98996	8.63185
TMEM249	5.62991	6.11032	5.84991	6.20526	6.39264	6.58738	6.48369	6.21145	6.38555
FBXL6	6.76115	6.56286	6.75752	7.28448	7.04387	7.16282	7.60978	6.70841	7.21883
VPS28	8.05416	7.88607	8.00544	8.76327	7.9879	9.11353	9.10623	8.46876	8.67041
FOXH1	6.94027	6.76026	6.83339	7.5432	7.08206	7.5281	7.20542	7.30028	7.31848
RECQL4	6.55314	6.22093	6.61946	6.87929	6.52662	7.28237	6.33888	6.7911	6.86803
LRRC24	5.57983	5.713	5.72858	6.51867	5.68627	6.97879	6.0018	6.31034	6.27149
ARHGAP39	6.4367	6.65448	6.55956	6.87841	6.94538	7.35303	6.9857	7.08561	7.06429
ZNF251	7.3323	7.45969	7.24244	5.94823	6.34012	6.1843	6.33932	6.15046	6.10634
ZNF34	7.05708	6.77353	6.95676	6.03804	6.72506	5.5758	6.26738	6.15755	6.10283
RPL8	10.0836	10.1625	10.3158	10.2613	9.77088	10.068	10.1898	9.96918	9.94367
COMMD5	6.76632	6.77689	6.87677	6.94485	6.6881	6.73039	6.86532	6.8763	7.06009
ZNF250	8.00572	8.07567	7.79047	7.47435	6.84669	7.41242	7.60462	7.13431	8.1861
ZNF16	6.89735	7.03656	6.77832	6.95643	7.13104	7.22991	6.79438	6.6001	6.80941
DOCK8	6.84811	7.84012	6.65404	6.5028	6.12542	6.39326	7.32993	7.56301	8.20038
KANK1	7.70974	7.39574	7.14914	7.51632	6.84967	7.49307	7.52838	6.94453	7.78761
DMRT1	5.85429	5.66846	5.67363	6.29097	6.90944	6.68527	5.99964	6.54819	6.21301
DMRT3	5.73645	5.74948	5.02566	6.41232	6.7126	6.00105	6.08804	5.83607	5.93618
DMRT2	4.38762	4.85371	4.74721	5.03636	5.18865	5.26187	4.74307	4.73674	4.87843
VLDLR	7.29216	7.49948	7.31058	8.07152	6.70143	9.22413	8.29794	7.88914	7.9912
GLIS3-AS1	5.50411	5.77324	5.77883	5.8936	7.48822	5.89456	6.50302	5.93314	6.1865
plpp6	8.15317	7.99075	8.03988	7.5517	6.82115	7.05446	8.3253	7.47994	7.66065
CDC37L1	7.4292	7.58845	7.58776	6.85711	5.80025	6.76937	7.78918	7.35315	7.19201
RCL1	7.22635	7.65163	7.14378	6.81742	5.49991	6.20334	6.98192	6.22962	6.29147
MIR101-2	2.4613	3.10877	2.35232	2.55499	2.91283	2.58098	2.83786	2.40388	2.67584
JAK2	8.12717	8.61676	8.20752	6.72842	4.70346	6.0935	7.22353	7.84227	7.0305

INSL4	4.71275	4.4427	4.66881	4.73238	4.97189	5.02252	4.62847	4.94341	4.65492
CD274	4.65975	4.81907	5.20298	5.49036	6.12785	5.91931	6.38361	6.31837	7.1134
PDCD1LG2	6.55701	6.93997	7.20477	7.93205	5.54977	6.93896	7.01413	6.95021	7.74741
RIC1	8.92535	8.85251	8.85958	8.07792	7.8163	9.34002	8.40528	9.51252	8.9657
MLANA	7.80289	7.32424	6.9688	6.17073	5.72052	5.13971	5.4691	5.13425	5.58534
IL33	9.65708	6.84678	7.90527	6.96422	4.38549	5.64986	6.58454	3.80251	4.17728
TPD52L3	4.23279	4.84295	4.58973	4.25713	5.7789	4.605	4.58636	4.60679	4.85201
KDM4C	7.95416	7.82576	7.877	7.18347	6.60116	7.34683	6.81573	7.01192	7.19803
TYRP1	10.899	9.57199	9.68408	5.7658	6.41886	5.62284	6.1228	4.94219	5.18679
LURAP1L	8.20526	8.03141	7.85554	8.51334	5.85286	8.59045	8.64484	8.96499	9.548
LINC00583	2.3153	3.18683	2.61576	2.67003	3.59212	3.54118	2.85099	2.51193	2.48198
LOC389705	5.25011	5.18023	5.63326	5.73936	5.54206	5.78469	5.18691	5.62475	5.57548
CCDC171	6.66342	6.61896	5.89818	4.93659	5.51141	4.7222	4.76664	4.53971	4.94874
SH3GL2	3.74103	3.29084	3.49495	4.05266	4.19486	3.75531	3.67618	4.18932	3.74367
ADAMTSL1	6.17195	5.82018	5.76143	6.07222	6.50539	5.77996	5.68212	5.60566	5.83844
MIR3152	2.80188	2.84605	2.71559	4.80533	3.2148	5.39995	5.1882	4.00034	4.04749
RRAGA	7.83584	7.70031	7.38144	8.63406	6.25018	8.26214	8.77255	7.64786	8.25625
DENND4C	9.16923	9.11168	8.9081	7.68122	5.59709	7.3836	7.88695	7.36525	7.19916
ACER2	7.06743	7.1288	6.66722	7.00455	6.90943	6.60146	7.76099	6.94522	7.41008
FOCAD	8.36899	8.07729	7.64792	7.53966	6.22186	6.85671	8.00201	7.63153	7.23686
MIR491	3.80186	4.06336	3.47068	3.56539	3.20817	3.44335	3.17049	3.28837	3.5243
MTAP	7.52003	7.30737	7.52348	7.73795	5.83229	7.18266	7.83523	7.57743	8.41674
CDKN2A-AS1	4.769	4.97562	5.0544	5.28097	6.09089	5.8013	5.08987	5.74169	5.60267
CDKN2B-AS1	4.40674	4.66782	4.34169	4.24427	5.18686	4.73556	4.43005	4.36092	4.3403
DMRTA1	6.15714	7.34882	6.94483	6.98637	5.87164	7.30772	7.5785	7.03832	6.88698
LINC01239	4.0051	4.98191	5.25654	4.10356	5.36571	4.10347	3.74739	4.54483	3.97264

LOC100506422	5.13751	5.17593	5.32528	4.71322	5.69828	5.44805	4.30818	4.9821	4.94053
IFT74	7.84553	7.99438	8.2687	7.05048	4.89202	5.49859	7.61427	5.6544	6.14843
TOPORS-AS1	5.92325	5.91237	6.00248	5.91213	6.37243	6.6535	6.32987	6.0806	6.29181
TMEM215	6.38854	6.02858	6.31479	7.23658	7.48061	6.95111	6.49193	6.59597	6.79534
CHMP5	9.36336	9.59669	9.43399	9.63362	8.37421	10.1566	9.82541	10.3726	9.94104
ANXA2P2	12.5778	12.3144	12.7564	12.6184	11.3623	12.7965	12.8095	12.834	12.8126
UBE2R2	10.9425	11.0531	10.8872	10.8253	10.6042	11.2558	10.7346	10.9896	10.909
UBAP1	9.16022	8.81009	8.85869	10.1538	7.90075	11.225	10.1437	10.4222	10.4855
NUDT2	6.30322	6.48464	6.3245	6.6976	6.03907	6.07399	7.01881	6.81019	6.64538
CNTFR-AS1	6.31849	6.2772	6.28806	6.13961	7.01775	6.57198	6.19606	6.40431	6.27562
GALT	7.42686	7.03604	7.03554	7.33692	6.05072	7.10333	6.73467	6.96279	6.99003
PHF24	6.10466	5.97631	6.28299	5.94649	6.65898	7.18873	7.04694	6.54501	6.1701
C9orf131	4.60735	4.73373	4.70545	4.27628	4.87268	4.2383	4.69025	4.69519	4.93556
UNC13B	9.36103	9.28906	8.78096	8.49046	6.19196	8.98385	8.8695	8.28602	9.04431
RUSC2	7.77123	8.03087	7.80903	7.72245	6.57846	8.07781	7.72981	8.34764	8.02565
TESK1	7.51072	7.3197	7.4953	7.43957	7.33358	8.84151	7.67794	7.38522	7.36
CCDC107	6.47048	6.58937	6.53476	7.15016	6.47	7.85985	7.42126	7.28964	7.28645
CA9	6.04231	6.39484	6.36905	7.95111	8.09595	8.40009	6.60154	7.11755	7.05772
CREB3	8.411	7.77812	8.48244	8.00601	6.89732	8.72274	8.41688	7.8333	8.14077
RGP1	8.56163	8.6503	8.51635	8.68844	8.01859	9.72758	9.12135	9.35814	9.29229
NPR2	8.37037	8.34029	7.39525	8.57025	8.25052	9.40347	7.93012	7.62323	9.72872
TMEM8B	7.0137	7.10969	7.12102	6.95062	7.75584	7.17745	6.87261	7.43853	7.03983
LINC00950	5.47193	5.93814	5.77881	5.47509	6.62545	5.50206	5.5058	5.73357	5.63935
Hrct1	5.83572	6.00825	6.0022	6.18122	6.29379	6.20247	6.04092	6.17307	5.94093
LINC00961	6.603	6.72453	6.9912	7.27212	7.25838	7.3684	6.71019	7.31887	7.11521
RECK	7.65923	7.82628	7.8463	6.56372	6.85657	6.07734	6.86402	7.02818	6.45925

GLIPR2	7.05929	6.63771	7.64804	7.64252	6.36213	8.03401	7.82977	7.991	7.9979
CCIN	5.5849	5.84935	5.72624	6.25295	6.43542	5.82663	5.68707	5.7313	5.87995
MELK	6.57579	5.63698	6.05053	7.13341	5.3683	6.4277	6.98666	6.69069	6.74506
EBLN3P	9.68772	9.27509	9.3022	9.02835	8.13148	9.02683	8.98019	9.37058	8.75631
GRHPR	7.46558	7.25112	7.31125	7.51729	6.92826	7.53713	7.44011	7.36853	7.37348
FRMPD1	7.38233	7.43705	6.5821	7.10372	5.46469	5.87851	6.09091	6.96382	6.95109
TRMT10B	6.23247	6.71626	6.49632	5.94864	5.82848	5.93661	5.94585	5.86373	5.90268
DCAF10	7.90151	7.96152	7.93482	7.87435	7.41834	8.39168	8.33424	8.21533	7.98478
FOXD4L4	5.68998	5.87932	5.80354	6.28688	7.70232	6.03087	5.93779	5.8716	5.98192
CNTNAP3B	7.35893	6.4574	6.55754	6.0266	5.80744	5.98652	6.33515	6.12337	6.28596
FGF7P6	4.87756	5.08505	5.07311	2.78889	4.862	3.68133	4.07236	3.29337	3.41403
PTGER4P2-CDK2AP2P2	5.52655	5.60672	5.38544	5.99283	6.59016	6.49533	5.82749	5.68061	5.94839
MIR4477A	2.16474	2.384	2.46289	2.32794	1.75101	2.12789	2.86897	2.19005	1.83115
FRG1HP	7.76035	8.67986	8.76407	6.05794	5.27744	5.01053	5.91875	5.94627	6.23747
LOC100133920	5.66218	5.44467	6.29801	7.61666	7.97323	7.41248	6.49067	6.91744	6.97888
CBWD3	9.31726	9.34868	9.48258	8.36507	8.10835	7.78514	8.62708	7.97651	8.29629
FOXD4L6	6.4111	6.51691	6.53774	7.15547	8.52987	7.1371	6.95067	6.93596	6.79328
PGM5	5.76211	5.26791	6.48095	5.90434	6.60596	5.96588	5.65492	5.70486	6.16463
FAM122A	7.59865	7.90284	7.87982	7.5324	6.8345	7.32049	7.72417	7.45403	7.55788
FXN	7.48931	7.2094	7.44912	7.22923	6.44119	6.47453	7.40139	6.63696	6.85448
TJP2	8.74044	8.80256	8.44548	8.9331	8.52556	9.98101	9.17982	9.98133	10.2694
c9orf135	3.95591	3.7696	3.59307	3.99099	4.81221	4.58577	3.96806	3.69946	3.9481
MAMDC2	6.24272	7.30552	8.62309	5.35167	6.22298	5.82311	6.81553	5.29825	6.05493
SMC5	8.8248	9.16219	9.14729	7.54448	5.01439	5.8557	7.61418	7.64485	7.48103
C9orf85	7.1145	7.30981	7.23315	6.81797	5.35464	6.62108	6.41317	7.25705	6.74412
GDA	6.62486	8.90275	7.76965	6.81977	7.78004	5.99361	7.37081	8.02342	6.99318

TMC1	4.33403	4.19532	4.39746	4.90124	5.20884	4.84399	4.70576	4.79279	4.72005
ANXA1	12.1532	11.4841	12.3536	13.3032	12.7331	13.7243	13.1368	13.7316	13.6909
RORB	5.20672	5.79742	5.37637	5.32516	5.91337	5.44938	5.46334	5.38276	5.41967
OSTF1	9.32744	9.46205	9.29612	9.37765	6.52969	9.85805	9.63684	9.62512	9.66897
PCSK5	6.21348	6.0058	6.49535	6.35417	6.43113	6.16318	6.1245	6.40538	5.7423
RPSAP9	3.44909	3.94659	3.80304	4.47442	4.26882	4.85109	4.56895	4.76829	4.11348
pca3	4.69816	4.89474	5.1704	5.37817	6.17175	5.13925	4.75734	4.9283	5.34832
FOXB2	5.68002	6.13475	6.03091	6.54081	7.29357	6.79205	6.3872	7.04671	6.9536
VPS13A	9.54813	9.57703	9.1066	8.52153	6.23909	7.61577	8.12381	8.69701	8.61718
CEP78	7.24224	7.14005	6.92735	7.01008	5.91237	5.9284	6.88391	6.36403	5.83086
PSAT1	9.46043	9.67459	10.0702	9.01722	7.37341	8.03889	9.62384	7.55448	7.43439
KIF27	2.99358	2.78098	2.66447	3.25094	2.48525	3.36656	3.29026	2.79243	3.09343
LOC389765	6.76166	7.40044	6.9447	5.87776	6.16109	5.77585	5.95043	5.12437	5.11058
GAS1RR	6.67143	6.61333	6.45693	5.70996	5.61695	5.10404	5.27826	5.45184	5.23674
C9orf170	5.64574	5.84161	5.8227	5.87442	6.69497	6.2609	6.18677	6.24633	6.27589
DAPK1	7.21225	7.795	7.7417	6.56316	6.89849	5.94806	6.55734	6.17189	6.64683
ctsl	6.98912	7.04186	7.61094	8.66003	6.22474	10.4263	8.87637	9.91254	10.098
CTSL3P	3.94975	4.18506	3.27802	4.64155	4.37855	4.41161	3.70999	3.57491	3.91413
CTSLP8	2.20672	2.35088	2.11035	2.50712	3.58224	2.24427	2.42072	2.32534	2.47106
SPIN1	10.3179	10.1006	10.2025	9.16257	7.11942	8.64749	9.20881	8.86518	9.60918
NXNL2	5.5522	6.18484	5.87459	5.80678	6.72607	5.77004	5.3746	5.48766	5.98757
C9orf47	6.56234	6.87448	6.84047	7.13418	6.79062	7.13561	6.79038	7.14474	6.93443
CKS2	8.19682	8.19914	7.64108	9.79364	6.84831	8.90764	9.37686	8.78981	8.34621
SECISBP2	9.06578	9.09974	8.93159	8.20584	7.11482	7.5834	8.16486	7.798	8.26669
UNQ6494	5.12847	5.45576	5.26428	5.7408	6.23342	5.86388	5.33771	5.4748	5.70678
SYK	7.51495	7.70402	7.71495	7.51206	5.87865	7.11091	7.92513	6.51392	7.29305

MIR3910-1	2.1116	2.35815	1.91057	2.22428	1.82387	2.45228	2.39985	1.97837	2.42293
LOC100128076	5.60678	5.74069	6.00497	6.63526	6.33891	6.82627	5.98918	6.01947	6.43503
LINC00475	4.8852	5.09495	5.23365	5.65284	5.76234	5.34582	4.84917	5.04787	5.3508
CENPP	8.99607	8.82073	8.47498	7.37353	6.33468	6.78015	7.88129	6.28183	6.87376
SUSD3	5.79435	5.97331	6.08324	6.78239	6.92268	6.30669	6.54791	6.03021	6.38326
CARD19	7.49789	7.37517	7.46836	7.77903	7.09517	7.31636	7.87848	7.95478	7.51524
WNK2	6.95929	5.90994	6.31467	6.35971	5.89337	6.29692	6.09327	6.1228	6.25157
FAM120A	8.62179	8.47196	8.56707	8.33094	6.93088	8.40047	8.58111	8.50834	8.41833
PHF2	8.5183	8.33135	8.48595	7.88276	6.73095	7.85866	8.13736	7.34628	8.11259
PTPDC1	7.43495	7.1037	7.08456	6.94768	6.97532	6.51918	6.95263	6.80109	6.75504
Mirlet7a1	5.11137	5.42789	5.26513	6.01073	5.61891	6.63304	5.22903	5.86732	5.65024
Mirlet7f1	4.21868	3.96079	4.06469	3.84805	2.48208	3.25537	3.74471	4.09135	4.40636
MIRLET7D	5.60924	5.58628	5.46365	6.37709	5.45961	5.79517	5.63816	5.71014	5.65649
ZNF169	5.54088	5.3247	5.50172	5.19113	5.36308	5.26378	5.40871	5.07163	4.83532
LOC100132077	6.2519	6.4634	6.17874	6.22947	6.40596	6.63975	5.3884	5.83604	5.79553
MFS14B	10.2739	9.82683	10.283	10.0027	8.11002	9.43201	10.0429	10.0034	9.92757
c9orf3	8.31661	8.22962	8.08361	6.35256	5.9348	6.17351	6.8255	6.59849	6.21079
MIR2278	6.22772	5.99069	6.50744	6.25278	6.33252	5.86135	5.66651	5.70098	5.97232
mir23b	9.90845	9.48487	9.41682	6.70307	7.52518	6.4582	6.92265	7.43969	7.16951
mir27b	9.50835	10.4956	9.6708	6.97565	6.23477	4.56936	7.02415	7.47631	7.14277
LOC100507346	4.72616	5.08001	5.18705	5.48497	5.73339	5.45395	5.65566	4.93224	5.38538
LOC158435	4.94097	4.71588	4.83836	5.52296	5.37538	4.94494	5.29951	5.44509	5.11311
HABP4	6.32044	6.82044	6.53115	6.732	5.20466	6.31125	6.80653	7.08183	6.38534
CDC14B	3.75814	3.95636	3.98843	4.01904	3.65852	3.9702	3.94571	3.89108	3.83578
LOC441455	2.96304	2.86363	2.82051	3.24426	5.41584	2.82368	4.14422	3.26015	3.77496
LOC100132781	5.5422	5.76029	4.92117	5.53145	6.16726	7.40716	5.7408	5.50304	5.84348

CCDC180	6.04356	6.35952	6.20156	5.7226	5.9625	5.53892	5.3325	5.77878	5.72649
TDRD7	7.02978	7.01568	6.81371	7.26707	5.97866	7.15466	7.74508	7.14961	7.54285
TMOD1	6.82325	7.2432	8.14479	6.47723	7.01338	6.82741	6.36547	6.21656	6.50827
FOXE1	7.4107	6.75986	7.08691	8.20513	6.64623	7.96173	7.99961	7.46888	7.68272
NANS	6.25356	6.1921	6.25555	6.59513	5.87815	6.62896	6.58619	7.01443	6.99961
GALNT12	6.28572	7.91646	7.24041	6.79339	6.28064	5.81656	6.35659	6.13654	5.56587
SEC61B	9.81348	9.68534	10.0677	10.7074	9.47955	10.3868	10.8625	9.99936	10.4125
STX17	8.13916	8.13337	7.93024	7.25036	6.61888	7.83315	7.6785	7.20147	7.4675
MSANTD3-TMEFF1	6.07891	6.18785	5.90973	6.25373	5.94424	7.6731	7.01058	7.51111	7.21432
MURC	5.17342	5.35711	4.722	5.02277	5.86702	5.53229	4.93986	5.68345	5.20576
PLPPR1	4.32702	4.7747	4.3889	5.16253	5.54013	4.9457	4.85173	4.92686	5.02881
ZNF189	6.32464	6.10722	6.27882	6.09535	5.19486	5.93864	6.16732	6.04517	5.63199
SMC2	7.48617	7.45836	7.70811	7.38071	5.30279	6.82324	7.03689	6.1946	6.18098
NIPSNAP3A	8.44316	8.11879	8.62805	7.75034	7.63144	6.91555	8.13822	5.99862	7.49978
NIPSNAP3B	5.2424	5.30163	4.98717	4.99286	4.63709	5.01261	5.32402	4.81165	4.45762
fsd1l	5.7051	5.38799	5.46021	5.91169	4.40627	5.23314	5.64774	5.23583	5.88251
fktn	7.31018	7.43523	7.6093	6.26108	4.38974	4.78433	6.52685	5.72214	6.15113
TAL2	5.28747	5.15804	5.03273	5.54296	6.2596	5.78593	5.49327	5.4383	5.60791
TMEM38B	7.01067	6.86888	6.90149	7.12864	6.32872	6.49071	6.80337	6.78987	6.18835
ZNF462	8.77502	8.91479	8.22834	7.3175	6.94545	6.55107	7.48018	7.18327	6.7031
RAD23B	10.9932	10.9721	10.8413	10.7712	9.73538	10.9094	10.9995	10.8433	10.7997
ACTL7A	4.99768	5.49519	5.34172	5.43285	5.85441	5.86121	5.40752	5.75578	5.33238
PALM2-AKAP2	6.91361	6.31116	6.5272	6.26803	5.77883	5.98144	6.19339	6.1803	6.8784
LPAR1	6.18767	5.84567	6.44534	7.20855	6.26468	6.41444	7.40859	5.78173	6.17352
ZNF483	4.78054	5.24479	5.0163	4.47603	5.18139	4.9331	4.45987	5.08108	4.79181
UGCG	9.56947	9.69984	8.89423	9.81868	9.57136	11.3784	10.0306	11.2189	10.9215

MIR4668	6.5751	6.57757	5.32128	5.61485	2.97757	5.52534	5.26925	7.95819	6.52
HSDL2	9.53532	9.35734	9.10555	9.41595	7.23477	8.89035	9.10751	8.8373	8.2495
SNX30	8.34841	8.44063	8.41769	8.42944	7.35398	7.42228	8.49392	9.00781	8.41418
PRPF4	7.89504	8.15353	7.92828	8.01678	6.8599	7.38089	8.13576	7.37318	7.79266
BSPRY	7.96159	7.93375	7.42596	8.80555	7.08488	9.40856	9.08291	8.44424	9.17728
RGS3	6.46012	6.36777	6.27531	6.73525	6.75586	6.49563	6.71797	6.69871	6.89262
ZNF618	6.79286	7.43255	6.97315	6.09249	5.86861	5.65325	5.91981	5.59761	5.80767
mir455	5.60386	5.91197	5.74868	6.37506	6.38544	6.08307	6.07233	6.04617	5.69272
ORM1	3.29247	3.51915	3.32607	2.99663	3.58174	3.85881	3.00938	3.81102	2.93286
ORM2	4.56965	4.31738	4.60926	4.39128	4.45758	4.92177	4.4178	4.68906	4.73565
TMEM268	7.33401	7.21734	7.56005	6.86231	7.08346	6.97379	7.09806	6.64585	6.45921
44531	3.71241	3.79026	4.2424	5.11349	5.65244	4.49697	4.20679	4.86253	4.12165
ASTN2-AS1	4.17216	4.28691	4.18981	4.46376	5.44082	4.74513	4.23868	4.67184	4.51854
TRIM32	6.94264	7.38695	6.79655	6.41656	5.69403	5.9969	7.5623	6.32643	6.72604
TLR4	6.89143	6.61088	7.56296	6.39672	6.58109	5.65361	6.47033	6.10874	6.07576
PSMD5-AS1	5.93048	6.32811	6.45663	4.56454	4.7025	4.14056	4.31895	4.87811	4.68278
CNTRL	6.90797	6.74267	6.83425	5.71295	5.52933	5.28798	5.79488	5.6511	5.63507
GSN	8.74082	9.03774	9.39202	8.76337	7.33211	8.2449	8.73142	8.66525	8.32234
DAB2IP	7.87274	7.93074	7.61807	8.18434	6.73462	8.02083	8.10786	7.33039	7.70108
MORN5	4.51818	4.34653	4.19039	4.95519	5.09718	5.14782	4.79472	5.18376	4.92378
MRRF	8.15979	8.21759	8.72838	7.07005	7.14091	6.62923	6.8481	6.67434	7.23461
PTGS1	10.6499	10.0282	9.75539	9.96288	8.35917	9.09917	10.0164	9.90187	9.70116
RABGAP1	9.57881	9.75185	9.62294	8.6055	6.58477	8.88336	8.71515	8.64647	8.89495
GPR21	8.52307	8.66466	8.5566	7.37983	7.37537	6.47001	6.56464	7.3082	7.88444
CRB2	6.36714	6.27097	6.59677	6.69767	7.1903	6.97739	6.59703	7.06769	6.84744
LHX2	6.06115	6.42943	5.95067	6.99659	6.64413	6.60406	6.6934	6.81905	6.54433

NEK6	6.96618	6.85518	6.97439	6.90268	6.81189	6.86902	6.93111	6.76105	6.94423
LOC100129034	7.92061	7.65098	8.04791	6.90673	6.02228	6.73954	7.02886	6.65801	6.45291
ADGRD2	6.65169	6.61	6.51577	7.14434	6.91638	7.38062	7.05251	7.03368	7.1529
MIR181A2HG	4.99405	6.54675	4.44957	4.94762	5.34501	4.10965	4.56642	4.75421	5.62564
Mir181a2	4.93615	5.96005	4.24632	4.78792	5.86034	3.46758	4.61289	4.4601	5.44295
Mir181b2	4.59015	5.67269	4.73949	4.5079	6.27064	5.12448	4.7088	4.71548	5.65687
olfml2a	7.59223	7.34909	7.74534	7.18032	6.28314	6.96311	7.44029	7.11396	6.96786
WDR38	5.81231	5.77221	5.96249	6.32719	6.36083	6.21539	5.99314	6.56773	6.06795
RABEPK	6.868	6.58969	7.07074	6.64246	5.7947	6.37055	6.98535	5.7668	5.87488
GAPVD1	8.83424	8.73036	8.52962	8.01585	6.20347	7.73454	8.16063	8.14795	8.36023
PBX3	7.51491	7.47029	7.22832	7.05529	6.21465	7.09961	7.40615	6.98863	7.64093
ZBTB43	8.01379	7.88526	7.65116	8.16893	6.74077	9.29778	8.13636	9.03312	8.61813
zbtb34	6.90403	7.21927	6.99336	6.87352	6.25198	7.21124	6.65263	6.87752	7.07564
RALGPS1	7.28703	7.28522	6.90114	6.76912	5.86834	6.17403	7.14221	7.38362	7.05183
GARNL3	7.11129	7.27139	6.90719	6.16391	6.49044	6.26942	6.63988	6.13549	6.34108
ZNF79	6.9317	6.65503	7.17885	6.54957	6.99573	6.61363	6.87651	6.85231	6.8301
LRSAM1	7.52856	7.49716	6.98056	7.03124	6.00576	6.82109	7.0336	6.81765	7.12176
STXBP1	9.30983	8.94183	8.95094	9.48536	8.80268	10.022	9.74635	10.535	10.2652
TTC16	6.33986	6.25462	6.29585	7.05615	6.95563	7.04944	6.66129	6.93082	7.11958
CDK9	8.86175	8.61376	8.42631	9.15769	7.42053	9.04489	9.54239	9.11506	8.9699
FPGS	6.74437	6.47718	6.41504	6.5477	5.9277	7.04721	7.01016	6.66086	6.55317
PTGES2-AS1	5.89081	5.90354	6.00795	6.79304	7.36575	6.8291	6.52073	6.78311	6.40134
LCN2	6.8042	6.43618	6.93419	8.24463	9.50181	8.35677	10.4782	8.63171	8.10648
c9orf16	6.30821	6.00075	6.45143	7.26504	6.7808	7.3684	7.04006	6.59461	6.61143
DNM1	7.34265	7.53452	7.69447	7.14311	7.141	6.967	6.8979	7.34058	7.18631
SWI5	6.20176	6.08125	6.11949	6.59867	6.14487	6.77792	7.06627	6.47321	6.75626

COQ4	8.14574	8.16723	8.03145	7.96777	6.44684	7.3182	8.29513	7.00785	7.13071
URM1	7.30981	7.28362	7.28697	7.83294	6.74086	7.57169	8.07905	7.13453	7.38684
MIR219A2	3.73877	3.82057	3.74234	3.9282	3.38541	3.8547	3.68275	3.5576	3.60864
CERCAM	6.38421	6.08116	6.45018	6.91868	6.90346	7.14543	6.72147	7.21296	7.02619
ODF2	7.4391	7.41576	7.35022	7.49058	6.68884	6.99342	7.47113	7.04176	7.03974
GLE1	8.58955	8.74708	8.63673	8.0991	7.33202	7.94037	8.16408	7.81221	8.08051
SET	7.64142	7.74699	7.60964	7.63901	7.08993	7.13987	7.66213	7.02007	7.40044
PKN3	6.07491	6.00939	6.42516	6.58778	5.83108	6.39609	6.29435	6.24381	6.51772
LOC100506100	5.70643	5.56664	5.5309	6.47438	6.03878	6.59769	6.92888	5.96483	5.88706
endog	6.73755	6.47192	6.64629	7.31724	7.07845	7.70192	7.56087	7.18019	6.80142
PHYHD1	7.75376	8.19534	8.12692	7.38175	8.10628	7.41345	7.60744	7.64618	7.20604
NUP188	8.68493	8.50366	8.54435	8.35466	6.61081	7.25141	8.30312	7.6439	8.22679
DOLPP1	7.73774	7.43289	7.37105	8.26228	6.40118	7.67132	8.55822	7.36002	7.48304
C9orf106	6.33676	6.26334	6.77249	5.22701	6.55333	5.88489	5.96778	5.71028	5.77798
NTMT1	6.28127	6.1331	6.04966	6.75018	6.0732	6.71273	6.91858	6.57307	6.42681
PRRX2	6.85191	7.11603	6.89347	7.49516	6.997	8.24656	8.26643	7.51364	7.62624
USP20	6.93623	7.05771	6.80339	7.0189	6.60273	7.48346	7.36191	8.45421	7.02659
GPR107	9.26684	8.9096	9.07034	8.83856	8.02254	8.71253	9.02168	9.32441	9.1547
NCS1	7.99474	8.50615	8.20576	9.18898	7.25314	8.93092	9.04927	8.33355	9.1504
ASS1	8.26832	8.98267	8.58273	8.44319	8.53934	7.83756	8.73073	7.29809	7.77617
FUBP3	8.44562	8.26563	8.57144	7.99682	6.46696	7.53239	8.25203	7.66231	8.05439
PRDM12	6.23698	6.24509	6.35929	7.05072	6.49504	7.18276	6.7833	6.63999	6.74873
EXOSC2	7.94322	8.35625	8.07591	8.07911	6.67601	6.94603	8.07539	6.98954	7.23658
AIF1L	5.49957	5.63351	5.92513	6.67697	5.78142	7.77328	6.69315	8.12888	7.27542
NUP214	9.37619	9.23038	9.37914	8.12708	6.87245	7.60123	8.37217	8.16226	8.58058
PLPP7	6.32138	6.23151	6.42763	6.75908	7.39258	6.72803	6.84583	6.64905	6.64852

PRRC2B	9.44957	8.9185	9.06547	8.48306	6.92478	7.88867	8.53413	8.26073	8.49344
POMT1	6.64753	6.87542	6.48326	6.97369	6.78565	6.83992	6.78668	6.94301	6.71609
NTNG2	5.58883	5.81042	5.6411	6.09075	6.2766	6.13866	6.05269	6.26679	6.0371
BARHL1	6.415	6.7487	6.44762	7.42996	8.21056	7.39864	7.14813	7.84765	7.35469
SPACA9	7.39086	7.39548	7.25018	7.6641	7.27997	7.62568	8.29722	7.45531	7.81412
GFI1B	5.58809	5.55707	5.42929	5.85662	6.51139	6.43768	5.82263	6.25167	5.88653
CEL	5.91888	5.37646	5.5008	6.00419	5.43955	5.80594	5.23942	5.67367	5.621
CELP	2.76597	3.56707	2.98284	3.66237	3.90562	3.78677	3.66039	3.50802	3.08097
SURF2	7.68053	7.59206	7.55067	8.3348	7.75799	7.94004	8.53899	8.21491	7.82652
STKLD1	5.66066	5.76475	5.5918	5.77722	6.17636	6.24916	5.72493	5.86954	5.79168
CACFD1	6.4252	6.13319	6.63696	7.15789	7.31391	7.53128	7.0799	6.94911	6.88696
ADAMTSL2	6.18283	6.53175	6.4911	6.94814	6.99292	6.98524	6.48999	7.25778	6.90977
DBH	6.2735	6.4722	6.23445	6.73829	6.64473	6.83076	6.45843	6.12605	6.48376
LINC00094	7.20433	6.87147	7.00567	7.35704	6.96973	7.18831	7.34073	6.79011	7.02204
WDR5	7.7215	7.93541	7.6651	8.03332	7.23672	7.59213	7.85361	7.17678	7.56723
FCN2	5.29857	5.94495	6.09583	6.27292	6.14209	6.72673	5.28589	6.02058	6.57488
OLFM1	6.74363	6.54466	6.92099	6.37025	6.8466	6.57851	7.30335	6.57694	6.58041
C9orf62	6.41565	6.14555	6.35293	6.72546	6.76802	7.15553	6.33623	7.04478	6.52402
PPP1R26-AS1	5.13703	5.26949	5.28325	5.30729	6.35173	6.19067	5.34113	5.98381	5.75488
MRPS2	7.41282	7.17654	7.4576	7.81593	7.27636	7.58024	7.84184	7.82393	7.6379
LCN1	5.2131	5.6463	5.62036	6.45682	5.83066	6.63925	6.13756	5.97984	6.00642
OBP2A	6.90445	6.67415	6.88865	7.38376	7.39515	7.79185	7.0572	7.4268	7.38774
PAEP	4.97697	5.48826	5.56955	6.10872	5.40316	6.40447	6.47677	8.96666	7.65348
LINC01502	5.03835	5.18154	5.27695	5.28616	5.25027	5.57095	5.37434	5.71587	5.42632
LCN9	4.08979	4.51456	4.57123	5.45362	5.26584	5.41137	5.49198	4.91489	5.2039
c9orf69	5.47994	5.78939	5.76452	6.22272	5.90779	6.71206	6.39538	6.38628	6.13343

GPSM1	7.40299	7.50635	7.35164	8.18453	8.45121	9.89247	8.24222	8.08123	9.01591
PMPCA	7.4536	7.14997	7.0518	7.3427	6.67801	6.76337	7.48238	6.95142	7.35848
C9orf163	5.3832	5.49767	5.19452	6.37981	6.35811	6.21274	6.08428	6.07958	6.03588
mir126	4.06888	3.86242	4.05123	4.27119	4.12329	4.98495	4.53604	4.68475	4.6869
LOC100128593	5.64895	5.9183	5.64883	6.42744	6.28451	6.56076	5.9174	6.07006	6.26177
tmem141	7.63453	7.75793	7.90472	8.67652	8.56512	8.579	8.57124	7.90248	8.42738
CCDC183	6.00403	6.2524	6.0054	6.28117	6.50626	5.96803	6.31153	6.09669	6.59013
MIR4292	6.93175	7.07049	7.27129	7.54265	7.33093	7.1886	6.78332	7.1667	6.80411
c9orf172	5.99802	6.14779	5.93519	6.83692	6.69528	7.14039	6.48916	6.91677	6.83383
PHPT1	7.79375	7.77141	7.87169	8.96948	7.41404	8.74673	8.55714	7.8666	8.15092
MAMDC4	6.19295	6.31339	6.41235	6.7757	6.62355	6.55916	6.49156	6.96171	6.87126
TRAF2	6.2107	6.21087	6.27665	6.33663	6.16143	6.57547	6.6204	6.70533	6.44234
LCN12	6.13158	6.09576	6.18752	6.8257	6.99148	7.25486	6.69834	6.8986	6.64296
PTGDS	7.95041	7.95312	8.1735	7.55445	7.30388	7.79798	7.81589	7.48554	7.51789
LCNL1	6.04183	6.15357	6.27349	6.81306	6.89383	6.31986	6.21838	6.46623	6.37695
SAPCD2	5.61788	5.73674	5.71934	5.77926	7.01067	6.29331	5.83972	5.89494	5.95718
UAP1L1	6.77863	5.9477	6.78897	7.29222	6.45281	7.69548	7.24506	7.53785	7.53027
SSNA1	7.36919	7.52905	7.64443	8.30022	6.26238	8.89025	8.62759	7.7785	7.92145
NDOR1	7.65567	7.51893	7.571	8.11604	7.7952	8.10123	7.8977	7.61779	7.6655
CYSRT1	7.82315	7.64307	7.2199	8.84288	8.73265	8.56286	8.8025	8.52389	8.90442
STPG3	6.39717	6.28591	6.17013	6.70253	6.48281	6.83889	6.8989	6.78635	6.73812
NELFB	8.05684	7.90283	7.92512	8.1123	6.39176	8.02285	8.72131	7.85559	8.00492
NOXA1	7.34436	7.4214	7.50818	7.85525	7.93834	8.1275	8.00748	8.09064	7.89902
MRPL41	6.99129	7.07574	7.00095	7.52031	6.70795	7.10786	7.83493	7.19703	7.00396
ARRDC1	8.00901	7.75878	7.73043	8.07383	7.52117	7.89408	8.28443	8.73689	8.56598
EHMT1	8.34409	8.18639	8.2587	8.09062	7.55495	8.0868	8.39304	8.07484	8.2623

EHMT1-IT1	7.62823	7.16942	7.17156	6.02398	6.99332	6.26189	6.02498	7.04632	7.02072
MIR602	5.74253	6.23159	6.002	6.52195	6.38401	6.89415	6.18514	6.31646	6.31614
WASH1	9.61171	9.85622	9.9013	9.28706	9.36354	9.1312	9.27687	9.39686	9.54284
foxd4	7.89391	8.068	7.79827	7.53368	8.52099	7.76861	7.85325	7.55948	8.00348
C9orf66	5.55774	5.4907	5.38339	5.84404	5.21412	6.17874	5.81726	5.89666	6.19787
VLDLR-AS1	5.70238	5.64567	5.83207	5.66612	6.53693	5.48617	5.70292	5.65378	6.09055
PUM3	7.73603	7.51989	7.99122	7.14295	4.74516	6.61036	7.79896	6.30644	7.01034
GLIS3	5.88013	6.1201	6.36554	6.16197	6.37004	5.72685	6.24936	6.5356	6.78964
SPATA6L	7.35522	7.31847	6.88923	6.08025	6.55838	5.41935	6.06602	5.66474	5.87147
AK3	10.3727	10.5141	10.4416	9.65507	9.1524	9.60101	10.257	9.87258	9.96007
INSL6	5.08868	5.16642	4.88673	5.25416	5.33329	5.46661	5.17713	5.12953	5.2877
RLN2	2.08761	2.56362	2.69042	2.93533	3.07678	2.78403	2.63254	2.5981	2.45715
RLN1	4.18835	3.85295	4.08624	4.08226	5.10036	4.79052	4.11737	4.82531	4.81758
ERMP1	8.17421	7.87212	7.71801	7.99632	6.36227	8.28729	8.10475	7.81197	8.1686
RANBP6	8.80318	8.62231	8.70041	8.1945	6.66963	7.32672	9.06202	8.28301	7.94149
GLDC	5.41451	5.5853	5.21775	6.7764	6.94785	6.78212	6.44762	5.93042	6.23505
TMEM261	5.75533	6.01834	5.98956	6.21891	5.17032	5.37123	6.02193	5.64041	5.5527
MPDZ	7.52707	7.38297	7.50263	5.99074	5.82691	5.24462	5.83316	6.04083	6.04466
LINC01235	6.185	5.73112	5.78212	6.2626	6.72276	6.17656	5.92113	7.16075	6.3587
NFIB	10.604	10.4293	10.9339	8.20353	6.50555	6.81039	8.2466	8.17462	8.10598
FREM1	6.88321	6.6019	6.41319	5.28701	6.32526	5.51745	5.4362	5.54872	5.16638
TTC39B	9.00665	8.94633	8.57912	8.60465	8.25332	8.95317	8.46691	8.98704	8.61026
PSIP1	7.01228	7.31913	7.38988	5.60617	4.37144	5.2977	5.6919	6.03761	5.50012
BNC2	7.43244	6.76116	7.27781	5.99354	6.50468	5.92263	5.84875	5.61154	5.56196
Scarna8	7.1264	7.63706	6.83989	6.02288	6.85097	7.52052	6.8712	5.8323	5.81831
PLIN2	6.67684	6.12902	6.69081	6.61231	5.44702	6.74808	5.94589	7.13854	6.24012

RPS6	8.62681	8.74607	8.83797	8.73765	7.96722	8.68099	8.78277	8.16612	8.40286
MIR4473	5.01173	4.75134	4.63345	4.2056	3.54901	4.00971	3.68918	3.7796	3.34015
MIR4474	6.03022	6.05526	6.05224	6.61408	6.55175	6.12093	5.98072	6.19781	6.25296
HACD4	7.76503	6.90366	8.00723	7.49032	5.53968	5.64039	6.87028	6.22772	6.45041
KLHL9	8.05822	7.85738	8.22038	7.79981	6.76802	7.08927	8.16379	6.92602	7.77062
MIR31HG	6.71167	5.10847	4.45532	8.31003	6.72373	8.71047	9.63191	8.07908	9.61491
mir31	7.0745	6.18927	5.50956	7.65455	6.76637	5.24169	7.26348	7.35188	8.83239
CDKN2A	4.85897	5.56585	5.17391	5.54106	5.4613	6.09464	5.54994	5.51433	5.36058
TUSC1	6.43141	5.87127	6.49345	7.30645	5.98477	6.71841	7.55153	6.45063	6.39875
CAAP1	8.18113	8.14154	8.21731	7.01809	5.98671	6.08681	7.78609	6.71444	6.29965
PLAA	9.24011	9.14025	9.15549	8.82542	6.81908	8.65642	9.19022	9.07877	9.06598
Lrrc19	3.32961	3.42693	3.37432	3.23873	3.26326	3.60857	3.30115	3.29707	3.50308
EQTN	4.23384	4.38753	4.28574	3.49747	4.4568	3.87675	4.01927	4.06007	3.69288
MOB3B	9.02714	8.64497	9.02678	8.39794	7.17313	7.56235	8.59166	7.92547	7.76942
C9orf72	7.22264	7.42153	7.01945	6.17827	5.45997	6.98741	6.76465	7.56674	6.95796
LINGO2	4.58002	4.481	4.64338	4.72875	5.71428	5.40859	4.71149	4.99258	4.70797
Mir876	2.64425	2.82868	2.43625	3.0578	2.40171	3.10394	2.55585	2.52908	2.44505
MIR873	3.23007	3.71375	3.45837	3.98001	4.46275	4.28771	4.42256	4.21098	3.70193
DDX58	8.97346	8.85361	8.28825	7.89347	6.87694	7.58363	8.14741	7.51988	7.28748
SMU1	8.97778	8.59034	8.99002	8.43244	5.91891	8.14628	9.07769	8.06072	8.43177
BAG1	7.94203	7.25194	7.55969	7.18029	6.23524	7.55253	8.03455	7.29154	6.99995
AQP7	5.87957	5.72467	5.65142	5.42501	6.94654	5.73288	5.41265	5.31679	5.6386
AQP3	9.68887	9.18509	9.24644	10.3672	8.27139	9.37568	9.6124	9.44282	9.81805
NOL6	7.97959	7.84213	7.92538	8.2215	6.1461	7.49556	8.62925	6.92327	7.36203
SUGT1P1	6.1947	5.37766	5.55231	6.11228	5.75916	6.86279	6.62934	5.34959	6.15382
PTENP1	5.09223	3.86601	3.45788	3.89437	3.51049	4.41069	2.88824	3.70688	3.82519

UBAP2	9.66077	9.38816	9.41836	8.97071	7.97509	8.62055	9.44788	9.55845	9.77936
DCAF12	8.05727	7.75823	8.10053	8.14944	7.07726	8.7284	8.51703	8.95413	8.15767
KIF24	6.30538	6.08867	6.17762	5.88372	5.74819	6.12036	6.26823	6.06254	5.88317
KIAA1161	7.55403	7.47184	7.49707	8.16228	6.93651	8.24156	8.45466	7.82812	8.19798
C9ORF24	5.78537	6.22372	6.00591	6.98536	7.16381	6.83285	6.41192	6.70966	6.62173
ENHO	5.34976	5.57902	5.43722	6.4891	6.38993	6.9736	5.87721	6.08603	6.31895
CNTFR	6.25219	7.49381	6.9212	7.66282	6.71959	7.51777	6.48101	6.73445	6.21658
RPP25L	6.52184	6.7084	6.32379	7.06817	6.36861	6.63241	6.89174	6.19801	6.6473
DCTN3	8.0793	8.31252	8.227	8.03726	7.94211	7.06499	8.02225	7.67241	7.83069
ARID3C	5.28527	5.73442	5.46605	6.24242	6.0528	6.30861	5.98771	5.92802	5.83296
SIGMAR1	9.43542	8.43839	9.35316	8.19718	6.62874	7.78502	8.77068	8.07184	8.43356
CCL27	5.52317	5.06845	5.76187	5.82846	6.0833	6.15179	5.60728	5.84917	5.77596
CCL19	7.12708	6.99619	6.92887	6.56623	7.11232	6.71067	6.48255	6.07819	6.54616
CCL21	11.3922	8.60121	11.3389	7.34494	7.21918	9.48688	10.9441	10.1711	11.3138
VCP	10.0723	9.49551	9.86497	10.2032	7.29656	10.4461	10.0864	10.4565	10.5443
STOML2	9.05374	8.76012	9.10365	9.40524	7.91602	8.94069	9.56053	8.795	9.19003
CD72	5.96658	5.34067	5.46677	5.82339	5.65703	5.94189	5.68423	5.71262	5.5344
SIT1	5.24025	5.56224	5.59552	5.60695	5.96937	6.29522	5.91899	5.77484	5.72486
RMRP	11.2852	12.1825	11.408	12.6643	12.0508	13.1137	12.7969	11.9521	11.9231
ARHGEF39	6.49499	6.53255	6.40771	6.74142	7.08433	6.72439	6.70563	6.89224	6.68424
TPM2	6.98478	7.06977	7.52149	7.39214	6.82561	6.99803	6.88295	7.294	7.00195
TLN1	8.47497	8.33645	8.62214	8.10048	6.65682	8.79177	8.43088	7.9568	8.28707
SPAG8	5.30482	5.53615	5.57645	6.22465	5.96336	5.97126	5.88952	5.94465	5.90232
HINT2	7.42068	7.23562	7.68112	7.86101	6.80505	7.79322	8.39478	7.62805	7.33875
GNE	7.2038	6.87219	6.84532	7.19323	5.94224	6.29061	6.86893	6.13069	6.47385
RNF38	9.58222	9.42334	9.67022	8.68377	7.32512	7.75315	8.6024	8.49148	8.53292

MIR4475	2.30551	2.48701	2.18404	2.6231	2.30436	2.6378	2.84869	2.29696	2.48701
PAX5	5.72533	5.7328	5.8345	6.78461	6.48898	6.98962	6.66032	6.5993	6.34978
MIR4540	5.09269	4.98925	5.29004	4.85823	5.51454	5.76017	5.09823	5.64113	5.38837
MIR4476	7.33456	7.24735	7.3483	7.26809	7.92659	7.79392	7.09848	7.57956	7.70225
ZBTB5	6.91862	7.08039	6.90267	6.89904	5.70996	6.72591	7.25595	7.04754	7.10687
FBXO10	7.67501	7.37581	7.07433	7.39314	7.3303	6.64731	7.25458	7.23148	7.62697
TOMM5	8.16726	8.04445	7.95962	8.2241	6.90374	7.47945	8.23296	7.23797	7.78854
EXOSC3	7.08777	7.3871	7.80579	6.24856	5.30963	6.10107	6.67617	5.94843	6.37634
SHB	9.04202	8.5197	8.73763	8.79007	8.72904	9.86502	9.45044	9.12267	9.34247
IGFBPL1	4.86998	5.23951	4.98101	6.31447	6.5916	6.21539	5.70553	5.57775	5.85298
ANKRD18A	6.92336	7.08379	6.69668	6.83905	7.09513	6.82109	6.90481	6.96125	6.63538
CNTNAP3	8.46616	7.50726	8.54409	6.68888	6.34253	6.4836	7.44182	6.29438	5.8359
FGF7P3	5.07491	6.50309	6.74418	5.5395	7.01871	5.43574	5.91766	5.30886	5.25517
LOC286297	6.41129	6.33569	6.57337	6.88153	8.16859	7.16852	6.46258	6.8673	6.87185
AQP7P1	5.97935	4.8103	4.37916	4.93556	6.14532	5.57883	5.18839	5.01375	5.56849
FRG1JP	5.68235	5.76264	7.10175	6.24229	5.93179	6.80789	5.71882	5.91633	5.85831
MIR1299	8.9725	9.60069	9.1564	6.82928	10.2148	6.37396	6.93959	8.23778	8.38755
CBWD6	7.91462	7.65036	7.8024	7.16963	7.19208	6.53021	6.86506	6.95348	6.86158
FOXD4L5	5.19582	5.20112	5.16847	6.32116	6.08606	6.49851	5.90877	6.19141	5.81673
TMEM252	5.08696	5.20129	5.27185	5.49986	5.69945	5.4901	5.47487	5.42769	5.2833
BANCR	4.033	4.16722	4.0168	3.72124	5.04896	3.92048	3.69809	4.14492	3.99539
PTAR1	9.63978	9.85748	9.7253	8.03623	6.32834	6.90458	7.85256	7.37387	7.9252
C9orf135-AS1	4.77272	5.17546	4.72876	5.42797	5.30888	5.0219	5.13934	5.01079	5.43079
MAMDC2-AS1	5.16189	5.74586	5.29797	5.36133	6.04402	5.18944	5.17349	5.27481	5.55627
SMC5-AS1	7.07668	7.02551	6.54152	5.42907	6.74512	5.8635	5.95285	5.69977	6.03191
KLF9	7.22489	7.27176	8.11559	6.69413	5.56011	6.70062	7.27315	6.69439	6.61838

MIR204	3.31568	3.24897	3.0198	3.66128	3.62315	3.89198	3.63066	3.55139	3.40824
TMEM2	7.2051	6.8982	6.86481	7.5947	6.03146	7.67241	7.37546	9.16078	8.78635
C9orf57	3.43462	3.1591	3.73929	3.82375	4.53623	3.87087	3.72231	3.68714	3.70924
C9orf40	5.60522	5.72166	5.36211	6.51064	5.47552	6.33286	6.0949	5.85585	5.98665
NMRK1	6.79673	6.55535	6.97534	6.14959	4.62072	6.60836	6.62194	6.39908	6.60202
RFK	6.98226	6.96215	7.11173	6.77631	6.34259	6.07299	7.3718	6.83084	6.50925
PRUNE2	6.54253	6.52643	6.59649	4.93319	6.00715	5.67026	5.01669	5.04926	4.86621
VPS13A-AS1	6.37828	6.45743	6.49422	6.98164	6.78053	7.21886	6.67815	6.78625	6.77093
RASEF	6.9489	7.52387	6.77622	7.03887	6.07232	6.68547	6.856	6.72831	6.8019
FRMD3	6.40441	6.47756	6.52164	6.55525	6.78796	6.32757	6.31059	5.72737	6.42399
UBQLN1	10.5512	10.4793	10.6794	10.261	8.32147	10.1749	10.304	10.5131	10.4904
GKAP1	3.9894	4.32345	4.21189	4.12923	3.55479	3.95641	4.17734	3.8471	3.55386
c9orf64	6.46464	6.0308	6.5347	6.20559	5.26935	6.25177	6.33037	6.15154	5.99384
HNRNPK	10.6579	10.6718	10.7923	10.5772	8.16584	10.3732	10.7415	10.2655	10.6063
AGTPBP1	7.84619	8.11916	8.26764	7.37108	5.84439	7.3334	7.99779	8.17449	7.34423
GOLM1	7.2891	7.33064	7.3362	6.90541	7.10162	6.5561	7.17436	9.28581	7.71509
ISCA1	7.6171	7.48715	7.5156	7.38463	7.79159	8.51455	7.72793	7.92573	8.1518
GAS1	7.57777	7.45011	7.90738	7.29332	5.93903	7.35884	7.49243	6.94205	6.78971
LOC440173	5.31234	4.96131	4.60955	4.57187	6.20035	5.37719	6.21098	4.56475	4.62557
LOC494127	4.67659	4.84136	4.31563	5.44451	5.082	5.30828	4.96981	5.06893	4.70491
LOC392364	5.61023	5.61622	5.93298	6.25219	7.31994	7.05017	6.4136	6.27164	6.19741
CDK20	6.35549	6.32054	6.37064	6.67925	7.3607	6.75512	6.66481	6.36617	6.47372
LOC286238	4.35151	4.13384	4.28985	4.64361	5.20759	4.31372	4.72886	4.20561	4.427
MIR4289	5.94633	6.09843	6.424	6.45841	6.87264	6.50734	7.02457	6.75436	5.95545
SHC3	6.82332	7.24215	7.26121	6.31782	6.77317	6.40328	6.98049	6.57633	6.65249
MIR4290HG	5.46198	6.18058	6.08539	6.173	7.4944	6.26192	6.0723	6.05907	6.36347

MIR4290	4.61642	5.20996	4.75488	5.68395	5.92455	6.00287	5.74947	5.48995	4.9895
LINC01501	4.54216	4.89755	4.61175	4.68196	5.76589	5.23938	5.31948	5.15067	4.65224
LOC100129316	4.67345	4.70473	4.74613	5.46525	6.08887	5.30942	5.10991	5.58459	5.72667
AUH	7.89273	8.20155	8.16402	7.25986	5.78614	6.44802	7.72279	7.40751	6.414
ROR2	6.70709	6.04041	6.49906	6.95755	6.99179	7.33883	6.3719	7.31129	6.43361
IARS	10.2233	10.4325	10.4733	9.96252	7.11	9.08932	10.047	9.07091	9.69876
NOL8	8.23435	8.3557	8.12051	6.82568	6.00591	6.47769	7.36476	6.74238	7.00173
OGN	6.80464	7.66465	6.48722	5.53673	5.52109	5.4345	4.79601	5.19155	5.18732
OMD	8.32275	6.85824	7.56344	5.0682	4.88454	4.79332	6.19638	4.23769	4.53823
ASPN	9.68371	7.62501	8.63076	6.17095	5.56595	6.85754	9.25042	7.42725	7.52607
MIR4670	3.14576	3.49542	3.41835	3.91306	3.45729	3.85096	3.97947	3.4183	3.16481
BICD2	9.57538	9.56404	9.31017	9.86162	7.68157	10.0696	10.1087	10.502	10.5982
ZNF484	7.62312	7.08531	7.34539	5.07184	5.22512	5.38783	6.44355	5.63202	5.39586
NINJ1	7.63596	7.49294	7.65905	7.49599	7.358	7.51313	7.22485	7.49718	7.5067
C9orf129	4.80236	5.00102	4.55332	5.59246	4.80637	6.01613	5.17762	5.62496	5.38368
FAM120AOS	7.97124	7.41726	7.83801	7.38458	6.21591	7.72775	8.04414	7.25309	7.49363
BARX1	6.09053	6.29703	6.02377	7.0107	6.66022	8.1924	7.30456	7.07249	6.85747
MIRLET7DHG	4.3672	3.96874	4.15119	4.78275	5.21595	5.19539	4.97808	4.4608	4.66345
mir24-1	3.38803	3.03517	3.19244	2.91845	2.95276	2.71065	3.12034	2.66755	2.82441
PTCH1	6.83672	6.84868	7.34363	5.85185	6.39534	5.70725	5.93287	5.86959	5.85319
LINC00476	5.60387	5.62897	5.73129	5.21064	6.48148	5.49133	5.16526	5.14659	5.33483
HSD17B3	5.75882	5.62633	5.67732	5.56513	6.16855	5.6352	5.1468	5.2866	5.42602
ZNF367	6.54614	6.73431	6.56243	6.84387	5.97376	6.63564	6.53346	6.47464	6.42656
AAED1	8.08358	7.50017	8.71529	8.46231	4.24949	7.66238	8.8084	7.29599	7.98438
ZNF510	6.82427	6.93488	7.28867	6.04886	6.41767	6.23202	6.07954	6.0999	6.33237
ZNF782	7.14375	7.00571	7.07675	5.73804	4.97112	5.32573	4.75982	6.05169	6.18746

CTSV	8.47327	7.95822	7.77487	8.75315	7.59895	10.0879	8.07689	11.1656	8.51544
GAS2L1P2	4.17728	3.76783	4.14425	3.98095	5.35764	5.02872	4.5415	4.79312	4.43988
MIR1302-8	2.04656	2.36252	1.88193	2.28965	1.92484	2.51585	1.94271	2.04384	2.07327
LOC286359	5.52482	5.82886	5.69083	5.8302	6.25817	5.97839	5.60899	5.8698	5.81489
TSTD2	7.45657	7.49176	7.37411	6.49757	5.59919	5.52006	6.75375	5.95791	6.53268
TRMO	7.05371	7.30811	7.55087	6.88827	6.28177	6.51537	7.19194	6.58216	6.98917
HEMGN	3.39384	3.27529	3.37331	3.86719	4.27076	3.37187	4.0482	4.50009	3.6854
TRIM14	7.62697	7.26527	7.77602	7.08405	6.2084	6.88554	7.82892	6.9051	6.99145
ANKS6	6.32382	7.71071	7.21865	7.07075	6.25165	6.21239	7.13464	6.76842	6.61704
STX17-AS1	6.96771	7.73518	7.16248	6.16045	5.56284	5.425	6.77103	4.57847	5.46203
ERP44	10.4324	10.1994	10.5401	10.3507	10.3194	11.7609	10.7049	11.6642	11.1855
TEX10	9.54896	9.58346	9.39546	9.36446	7.94359	9.23054	9.31223	9.70449	9.41627
baat	5.48345	5.73704	5.86499	6.17186	6.82295	6.20023	5.97291	5.78223	6.22797
MRPL50	7.47369	7.57187	7.60411	7.73554	6.82199	6.89608	7.88791	6.85281	7.20521
TMEM246	5.65416	5.36792	5.28765	5.63245	5.42665	5.85306	5.74797	5.44454	5.0526
KLF4	9.83335	9.24951	9.74662	9.73391	8.4728	10.4428	9.5765	9.36951	9.2019
ACTL7B	5.10689	5.18701	5.4938	5.37388	6.19531	6.09733	5.5902	5.49229	5.78871
tmem245	8.73117	8.62695	8.78584	7.59539	6.04513	6.95803	8.31402	7.45363	7.49931
MIR32	8.47917	8.40141	8.20568	5.14672	5.38831	5.13271	5.98916	5.6568	5.04069
FRRS1L	4.99587	5.24852	5.36103	5.38863	6.26921	5.65008	5.45257	5.39576	5.14593
EPB41L4B	6.99648	7.45281	7.9227	7.68444	7.29193	8.21119	8.18511	8.64488	8.40124
MIR3927	3.33737	4.40432	4.21868	3.78444	4.84589	4.17037	3.36969	3.6839	3.77487
C9orf152	6.17789	6.25207	6.73933	5.85886	6.05902	6.06369	5.67573	6.07737	5.77243
TXN	10.5491	9.41884	10.5399	11.8677	11.0973	11.956	12.0111	11.8455	12.2962
TXNDC8	3.92232	4.16996	4.09526	4.8673	5.66629	4.83588	4.73756	4.08689	4.44154
KIAA0368	9.44271	9.50483	9.62597	9.01254	6.19511	8.6789	9.38261	8.68185	9.26787

PTGR1	8.47839	8.2241	8.23367	7.61988	7.66719	9.11121	8.33561	9.07661	7.701
C9orf84	5.15246	5.57937	4.81091	4.45192	4.71507	4.99796	5.09252	4.22546	4.31922
SUSD1	6.83484	7.18936	6.5197	6.85215	6.22039	7.16811	7.25463	7.15462	7.37835
PTBP3	11.5534	11.7186	11.4896	11.5314	10.513	11.8518	11.6551	12.0893	12.0484
INIP	8.81439	8.8528	9.01735	8.18646	7.51989	7.79057	8.51526	8.30819	8.24166
ZNF883	6.39534	6.80891	6.44571	6.25224	6.1753	6.14709	6.25522	5.98296	6.34466
ZFP37	5.5678	6.14334	5.9337	5.2564	5.4294	5.91038	4.96213	5.55228	4.93636
CDC26	6.05889	6.09344	6.15825	6.37054	4.97807	6.16893	6.3991	5.82857	6.24788
RNF183	5.20513	5.06425	4.94587	5.37799	6.41726	5.85917	5.20071	5.28782	5.21904
WDR31	6.59532	6.88736	6.26262	6.2018	6.66864	6.37497	6.55248	5.92128	6.38884
HDHD3	7.61876	7.37432	6.98744	7.48749	6.12817	6.98429	7.52886	6.9734	6.82556
ALAD	7.45052	7.44708	7.21254	7.02365	6.26695	6.69403	7.00922	6.61177	6.274
AMBP	5.36673	5.73099	5.88036	6.27593	6.57784	6.34061	6.00392	6.15348	6.26652
KIF12	6.11595	6.42346	6.56114	7.10207	6.88557	7.01893	6.85646	7.01383	6.83388
AKNA	7.00797	6.75932	7.16681	6.86757	6.55884	6.79371	7.09226	7.01828	6.54805
LOC100505478	5.4719	5.81841	5.45421	5.92609	6.40725	5.83077	5.088	5.19317	5.83864
TNC	10.0828	7.95722	9.92852	10.9992	6.61394	9.87556	10.6467	11.3039	10.8889
ASTN2	5.76577	5.58275	5.67556	5.82403	6.43343	6.18927	5.96925	6.06038	6.08956
BRINP1	5.63541	5.05257	5.30822	5.80363	6.0563	5.99766	6.45052	5.79935	6.1361
MIR147A	6.10217	6.58968	6.25908	6.09015	7.44996	5.10752	6.34263	5.91293	5.69717
CDK5RAP2	7.91479	8.2128	8.00623	7.43935	6.61595	7.52155	7.32897	7.06508	7.08919
MEGF9	10.1797	9.96001	9.87107	9.00532	8.00813	8.64948	9.25789	9.30978	9.19488
FBXW2	9.56093	9.06074	9.46381	8.46777	6.42788	7.33529	8.82044	8.29131	8.24634
PHF19	6.56298	6.23071	6.14152	6.92334	6.41463	6.69323	6.43833	6.29459	6.33262
TRAF1	6.1852	5.73991	5.8475	5.80229	5.79647	5.97799	6.1421	5.90752	6.12139
C5	6.88308	6.65863	6.42233	5.55249	5.77147	5.06136	5.73533	4.91117	5.25665

STOM	10.9517	10.0105	11.1608	10.1328	7.94398	9.43643	10.3765	10.2446	10.1063
MIR4478	4.09036	3.97072	3.88811	4.54806	4.18525	5.13113	4.54785	4.32947	4.57507
LHX6	5.9841	5.9426	6.14475	6.48065	6.19394	6.73538	6.36333	6.44049	6.4791
RBM18	7.81276	7.67388	7.70633	7.55972	6.18458	7.08908	7.94746	7.43369	7.63334
PDCL	7.02006	7.48172	7.59014	7.1111	6.20323	6.58487	7.01587	6.42193	6.74086
RC3H2	8.59491	9.02209	8.82544	8.77286	6.30422	8.80548	8.90745	8.80973	9.04457
ZBTB6	6.7488	7.30228	7.11392	6.46745	4.776	5.84686	6.94199	6.02277	6.4392
ZBTB26	6.74368	7.40816	7.01336	6.06951	6.14409	5.07276	6.59074	5.77711	6.36422
MIR600HG	6.88018	7.01051	6.44809	6.32137	6.67355	5.86724	6.05443	6.62666	6.59365
STRBP	7.17055	7.16178	6.86453	7.05135	5.67258	6.67606	7.14645	7.00646	6.84938
DENND1A	7.67401	7.6222	7.53258	7.34974	6.95766	7.13602	7.40968	7.77342	7.27915
MIR601	5.20779	5.1246	5.08421	3.91398	4.42835	4.99497	3.7834	5.24946	4.82821
RPL35	7.5797	7.71894	7.711	8.22989	7.7758	8.32559	8.27144	7.52157	7.66386
GOLGA1	7.88616	8.11955	8.07371	6.8745	5.86248	7.36643	7.44466	6.78903	6.81754
SCAI	7.20766	7.38939	6.76608	5.95299	5.3262	5.67515	6.16023	6.26844	5.64488
MAPKAP1	8.93633	8.87693	8.81538	9.07749	7.50092	9.09073	9.00334	9.0615	9.1674
angptl2	8.33703	7.77761	8.83526	7.28848	5.51661	6.79334	8.34147	8.12129	8.03682
MIR3911	5.43491	5.91085	6.07507	5.57914	5.91967	5.02094	5.66179	5.75702	5.65257
PTRH1	5.98349	5.93347	5.7783	5.88166	5.49412	6.13493	5.96304	6.2331	6.0233
SH2D3C	6.50728	6.30698	6.55253	6.94708	6.6781	6.5018	6.8533	6.58465	6.86457
ENG	8.79625	7.98674	8.92822	8.98524	7.06137	7.93552	8.86348	9.39336	9.35474
AK1	7.52368	7.34098	7.643	8.82603	8.44573	8.9407	8.57794	9.22854	8.68131
MIR4672	3.99679	4.35803	3.86113	3.95886	4.50069	4.11143	3.5675	4.02443	4.00571
PIP5KL1	6.28878	6.24574	6.10472	6.51816	6.60303	7.66288	7.39138	7.39087	7.26109
NAIF1	6.10185	5.98044	5.89117	6.46239	5.98341	6.81731	6.50315	6.27862	6.18003
SLC25A25-AS1	7.0426	7.00628	7.19225	6.36717	6.67099	6.23988	6.59518	6.54427	6.63887

PTGES2	7.3627	7.29302	7.19158	7.54092	6.50923	7.63559	7.83098	7.12682	7.12243
CIZ1	8.42224	8.33841	8.30402	8.45436	7.07035	8.49766	8.86058	8.26623	8.60725
MIR199B	3.8461	4.07441	4.16402	4.68328	4.11044	4.33705	4.29438	4.29698	3.8948
GOLGA2	8.90089	8.81133	8.77874	9.07132	7.904	9.26314	8.96167	9.23922	9.05563
TRUB2	8.25897	8.08039	8.31465	7.67248	6.71026	7.36741	8.15827	6.97494	7.53796
WDR34	7.32142	7.47786	7.35431	7.75757	7.55699	7.67651	8.2426	7.2715	7.46407
ZER1	8.16785	7.91203	8.10413	8.00986	7.05195	8.35061	8.4959	8.28783	7.81881
SPOUT1	8.59505	7.9474	8.32319	7.6137	6.7428	7.24602	7.94812	7.26565	7.70931
DOLK	7.29674	7.07952	7.22839	7.59804	6.29189	6.84559	8.22678	6.76572	7.11137
SH3GLB2	8.56856	8.58853	8.21698	8.62954	8.28712	9.34812	8.58724	9.6383	9.40526
CRAT	8.23558	7.19305	7.603	8.28088	7.2499	7.8442	8.2969	7.95023	7.82774
C9orf50	6.37292	6.54664	6.25508	7.03001	7.48273	7.12822	6.58094	7.01985	7.02376
ASB6	8.72519	8.38982	8.34758	8.03472	5.9883	7.76657	8.91799	8.237	7.97323
PTGES	7.46138	8.19711	7.56901	7.56031	6.95333	7.8115	8.32681	7.41997	7.75503
C9orf78	7.56013	7.55612	7.66456	7.52607	6.06449	7.36308	8.15541	7.09365	7.07756
FNBP1	9.10316	9.21396	9.02279	8.58341	7.52501	9.42006	8.85775	10.0811	9.3534
LOC100272217	5.13991	5.01279	5.03126	4.78003	5.17347	5.44554	4.53262	4.98421	4.93007
QRFP	7.36475	7.24113	7.40461	7.86678	8.21451	8.21726	7.73076	7.91877	7.94832
FIBCD1	5.84049	5.95541	6.00228	6.85157	6.41498	7.27794	6.12434	6.44288	6.52572
UCK1	7.29113	7.2223	7.17231	7.28625	6.67591	7.04605	7.22852	7.26496	7.36935
RAPGEF1	8.15836	8.18911	8.43882	7.68561	6.07546	7.58236	8.04776	7.69498	8.14089
MED27	5.11792	5.00645	4.49055	4.93263	4.39292	4.31473	4.87126	4.66635	4.49944
SETX	8.92823	9.14811	8.99227	8.56519	6.7239	8.57382	8.78466	8.35319	8.8785
DDX31	7.37232	7.48605	7.24841	6.43022	5.98235	5.78494	6.77626	6.16479	6.56073
AK8	6.67626	6.80816	6.52489	6.4911	6.53733	6.25988	6.6941	6.17702	6.20397
TSC1	9.25856	9.69599	9.25834	8.38023	7.65543	8.26878	8.16974	8.83467	8.80179

RALGDS	8.7228	8.43215	8.57581	8.27351	8.48832	9.55168	9.65359	9.21548	8.81232
OBP2B	6.47511	6.34047	6.54291	6.6536	6.86103	7.39222	6.43198	6.777	6.70738
SURF6	6.40487	6.67529	6.66038	6.58359	6.1167	6.73974	7.11305	7.06584	6.78035
MED22	7.13066	6.96701	6.78039	7.25633	6.57949	6.88887	7.41556	7.41769	7.12165
SURF1	7.45145	7.21133	7.38776	7.37248	6.51687	7.4317	7.71483	7.04819	7.087
SURF4	8.77839	8.12138	8.66187	8.89722	7.76072	9.03288	9.27626	8.93246	9.10424
TMEM8C	5.24298	5.60207	5.56575	5.84731	6.40677	5.79451	5.8537	6.06884	5.97994
SARDH	5.33034	5.86177	5.59779	6.18347	6.59318	6.43431	6.35359	6.35578	6.27081
VAV2	6.83842	6.57713	6.61362	6.88098	5.83596	6.73366	7.29924	7.07144	7.07714
BRD3	7.01861	7.02214	7.05683	7.01108	6.29961	6.81917	7.12599	6.82323	6.80117
MIR3689A	8.14087	8.02291	8.13075	7.7317	11.911	7.9817	7.46063	9.08581	8.70983
MIR3689D1	7.28137	7.1716	6.93311	8.30211	9.8224	8.1024	7.36621	7.66162	7.85931
MIR3689B	6.73138	6.87862	6.93932	6.72033	11.4626	7.06683	6.04773	7.02593	7.6208
MIR3689D2	6.14445	6.04234	6.16544	6.53246	10.557	6.6216	5.83156	6.46344	6.49568
MIR3689E	3.17231	3.38307	3.58948	3.46448	9.41061	4.6513	3.6241	3.5336	4.52568
MIR3689F	7.8367	8.11584	8.30783	8.81103	10.2069	8.34623	8.20703	8.76201	8.32118
FCN1	6.26155	6.51939	6.22744	6.84756	7.20426	6.43102	6.45698	6.82109	6.89828
C9orf116	5.24709	5.93121	5.64614	6.05133	6.29163	6.00657	5.90754	5.85133	5.72093
GLT6D1	4.89817	5.38055	5.34147	5.65217	6.17739	5.98028	5.4184	5.88395	6.12714
SOHLH1	5.30224	5.7682	5.48876	5.88982	5.83905	6.09855	5.69282	6.01339	6.24553
CAMSAP1	8.78377	9.02441	8.7747	8.61697	7.36997	9.36728	9.00802	9.49333	9.26412
UBAC1	8.02244	7.92511	7.6826	7.43658	6.37845	7.28901	7.75822	7.33842	7.33626
LHX3	6.47436	6.65189	6.46344	7.40488	6.93025	7.68001	6.79659	7.05934	6.91174
QSOX2	7.23063	7.13163	6.92574	7.71359	6.98669	7.60336	7.24681	7.17801	7.20613
DKFZP434A062	6.18819	6.17407	5.84325	6.09706	6.60472	6.22435	5.70996	5.8955	6.48493
SDCCAG3	6.70735	6.67916	6.6102	6.528	5.87338	6.43396	7.08121	6.6996	6.59895

SEC16A	8.31805	8.13879	8.02679	8.13562	6.24023	7.80785	8.45189	8.00042	8.27832
notch1	9.08753	8.97607	8.98932	8.76806	6.85258	8.52131	9.01915	8.61979	8.72478
MIR4673	8.12633	8.17528	8.24681	8.06386	8.03131	8.09353	7.61565	7.70498	7.2223
LCN10	5.0869	5.08486	5.95744	6.05267	5.93097	6.18958	5.36155	5.59375	5.21912
LCN6	5.46972	5.72763	5.94154	6.38368	6.58543	6.38196	6.03979	6.52625	6.39858
LCN8	5.15955	5.26478	5.06031	6.14331	6.14959	6.02781	5.35384	5.80729	5.95292
LCN15	6.10071	5.9027	6.02353	6.36471	6.47697	6.5305	6.11505	6.28797	6.4577
CCDC183-AS1	6.3483	6.24358	6.15347	6.53009	6.23237	6.68248	6.58552	6.31743	6.73068
EDF1	10.6405	10.6754	10.5594	11.2223	10.5271	11.5978	11.7092	10.9475	11.4432
FBXW5	8.31646	8.294	8.16334	9.38998	7.50613	9.88689	9.50344	8.72548	8.89401
CLIC3	7.46951	7.68109	7.22965	9.72586	9.23962	9.94518	9.81277	9.36647	9.68027
ENTPD2	6.69559	6.72172	7.1649	7.70377	6.7609	8.39648	7.62389	7.54187	7.44202
MAN1B1-AS1	6.24734	6.18351	6.28616	6.5295	6.37506	6.48802	6.62004	6.33395	6.01964
DPP7	8.46677	8.5425	8.43283	8.93694	7.60954	8.90975	8.83181	8.12475	8.49913
LRRC26	6.06698	6.09245	6.53159	7.30942	6.52239	7.30749	6.58609	7.06205	6.81018
ANAPC2	7.21938	7.38872	7.31174	7.60455	6.98276	7.36479	7.3865	7.22847	7.29037
TPRN	5.93123	6.15653	6.06989	6.4165	5.97917	6.75642	6.78802	6.67488	6.27136
TMEM203	7.83317	7.76183	7.5789	8.30958	6.21123	7.67212	8.54992	7.29323	7.77574
RNF208	5.02058	4.87053	4.8524	6.0124	5.2053	6.06333	6.03878	5.31828	5.65
NRARP	8.73298	7.17786	7.49215	8.46675	5.72537	9.5865	8.9006	8.24724	8.60925
EXD3	6.44607	6.4137	6.53081	6.69689	6.62005	7.22995	6.68514	6.63026	6.74067
ENTPD8	6.65813	6.79922	6.3865	7.22978	6.72232	7.08762	6.67208	7.07708	6.92697
NSMF	8.16975	7.89095	7.77881	8.10955	6.67094	8.45489	8.30401	8.08527	8.27855
PNPLA7	7.19813	7.17375	7.11657	6.61865	6.70402	6.83271	6.65652	6.68379	6.67509
DPH7	7.22682	7.18523	7.18342	6.50377	6.1434	6.36147	6.43887	6.68935	6.7245
ARRDC1-AS1	6.08291	6.25914	6.34762	6.53903	6.11147	6.29677	6.37027	6.57316	6.33517

FLJ43315	6.6218	5.55129	5.5481	4.94352	6.69109	5.84823	5.1835	5.19561	5.56773
LOC100233156	6.64819	7.33064	6.59031	6.41401	7.86399	6.46111	6.84821	6.58832	6.64109
LOC389834	5.85882	6.9003	6.27321	6.02588	5.18403	4.72079	5.72836	5.16958	5.74512
LOC100507412	6.29618	6.34628	5.80042	5.24153	12.1115	6.04664	5.66296	5.78831	5.9151
LINC00685	4.76451	4.82494	4.7857	4.95221	5.71199	4.71128	4.57156	4.91026	5.16825
MIR3690	4.56463	3.17614	4.30177	3.3894	4.97011	4.60205	3.49204	4.20512	4.09749
ASMTL-AS1	6.89015	6.58163	6.60094	6.78795	7.44423	6.89267	6.54242	6.89265	7.03549
CD99P1	8.95807	9.31688	9.44186	8.68242	8.70803	9.64685	9.08502	10.0823	9.84472
GYG2	6.02514	6.32577	6.05735	6.20673	7.10646	6.19359	5.96803	6.28928	6.50074
ARSD	5.27736	5.24523	5.30897	4.91061	5.44199	5.06011	5.80868	5.1608	5.37547
ARSF	6.68899	5.78729	5.53273	5.5091	5.54864	5.74807	5.64631	4.88935	5.2427
LINC01546	5.46076	5.67775	5.61495	5.24415	5.83293	5.52351	5.27118	5.62126	5.44119
MIR651	5.32608	3.30086	3.92174	2.59486	2.12022	2.55797	2.43744	2.26798	2.23484
TBL1X	8.38524	8.06986	7.77764	7.74543	7.4097	7.76945	7.90828	7.60094	7.69087
SHROOM2	5.97893	5.80635	6.20387	6.53195	5.168	6.28611	6.70007	6.51162	6.18792
CLDN34	6.66508	5.94141	6.54551	5.3308	5.89072	5.19408	5.62957	5.26978	5.41885
WWC3	7.64044	7.59795	7.56541	7.59698	5.85874	7.48348	7.65579	7.62501	7.57788
HCCS	8.18351	7.78591	8.23661	8.01205	6.54308	7.76701	8.77554	8.20056	8.27824
MSL3	7.84117	7.27778	7.5833	6.79863	5.7911	5.9635	7.13064	6.53089	7.2039
FRMPD4	4.33491	4.53433	4.29554	4.81245	5.17718	4.67978	4.66198	4.7235	4.84057
PRPS2	8.83385	9.26025	9.21403	9.20463	7.21987	8.83932	9.29756	8.69804	8.74994
TLR7	5.33159	4.81403	5.2248	4.90122	5.51847	5.58782	5.09123	5.45658	5.12081
TLR8	5.41789	5.08322	5.90841	5.49896	5.01764	5.53105	5.5095	4.96094	5.44652
GS1-600G8.3	5.00534	4.66799	4.77891	5.36959	5.91636	5.17765	5.59286	5.18721	5.07872
LINC01203	3.66412	3.85881	3.66691	3.77527	4.02738	3.81799	3.97468	4.20709	4.08531
TCEANC	5.75269	6.12056	5.70001	5.87639	6.14666	5.66162	5.78191	5.64163	5.79584

OFD1	8.67553	8.87402	8.30489	7.79172	7.39762	7.90771	8.0936	8.46751	8.4841
MOSPD2	8.53886	8.35576	8.0011	7.63169	5.19145	7.83545	7.58691	7.64953	7.69527
BMX	5.74297	5.15637	6.05544	4.62103	4.54378	4.89003	5.0044	5.02277	4.94618
CA5BP1	7.87123	7.56834	7.69266	8.29915	7.3245	8.13336	8.66402	8.09105	7.96282
GRPR	4.84644	4.67434	4.86639	4.92821	5.2388	5.1778	5.05417	4.78997	4.86366
MIR548AM	2.05273	1.88931	2.03526	2.35179	2.07038	2.51222	2.86401	1.92209	1.85129
S100G	2.96475	3.22755	2.96528	3.17691	2.99661	3.233	3.11685	2.94344	3.56004
SYAP1	8.47297	7.82201	8.26385	8.16986	6.19636	8.5906	8.83052	9.32801	8.62599
TXLNG	7.79819	7.61374	7.61922	7.35194	6.0831	7.34033	7.55098	6.84299	7.51029
REPS2	6.73979	6.27083	6.06248	5.39945	5.72276	6.14169	6.15733	5.80178	5.55726
NHS	7.71345	7.26078	7.27256	5.96394	5.9781	6.37511	6.37549	6.39205	6.46042
MIR4768	3.20888	3.44352	3.69097	3.5453	2.93971	3.57846	3.1857	3.6397	3.08994
SCML1	6.50649	6.57611	6.83464	5.08609	3.76187	4.41804	5.18679	5.82113	5.45577
CDKL5	8.1226	7.89148	7.693	7.482	7.04268	8.83059	7.74483	9.38527	8.94064
PDHA1	7.15866	7.07845	7.11589	6.61643	5.6017	6.49429	6.93019	6.60662	6.79331
CNKSR2	5.40296	6.25957	5.89237	5.14351	5.06969	5.82663	5.67511	5.5542	5.35182
YY2	5.3161	5.32209	5.14373	4.9054	4.01677	4.86393	4.6686	4.7634	4.82456
SMS	6.87158	7.08351	7.02677	8.0628	6.6241	9.93202	7.99498	9.25833	8.47928
ZNF645	3.63963	3.53374	3.56384	3.0624	4.32655	3.68711	3.67016	4.0192	3.5903
DDX53	3.70006	4.19526	3.95283	4.73788	4.12994	4.96713	4.53231	4.60247	4.53074
PTCHD1	4.53216	5.15657	5.13308	5.54121	5.42897	6.08941	5.50757	5.62403	5.57708
PRDX4	5.74736	5.65582	6.05424	6.66431	4.98756	6.4896	7.02975	5.59865	5.93336
SAT1	9.72859	10.6461	10.1935	10.8277	8.79438	10.4843	11.0614	11.5698	10.9244
cxorf58	3.53241	3.34857	3.45747	3.79471	3.67478	4.15783	3.60835	3.48698	3.8013
SCARNA23	5.32304	5.37087	5.39297	4.66578	4.66405	5.26981	5.64414	4.77386	4.60851
VENTXP1	2.00786	2.39097	2.20952	2.16389	3.15236	2.46608	2.16128	2.17387	2.26796

DCAF8L2	4.08125	4.24035	4.29083	4.85244	4.2676	5.05794	4.31061	4.60238	4.05817
IL1RAPL1	3.80638	3.72578	4.2188	4.12101	4.31065	4.26804	3.91854	3.7973	4.24896
gk	5.83541	6.15824	5.55972	5.95074	5.81395	5.73189	5.62327	7.07143	6.38727
TAB3	6.85849	6.65644	6.86345	7.77241	6.19347	8.43333	8.64524	7.99133	8.215
CFAP47	3.60447	4.00718	3.86185	4.36794	4.23715	4.1447	4.20857	4.07496	3.91731
PRRG1	7.07668	6.99112	7.07493	6.5693	5.9483	6.3214	6.44715	7.20105	6.45178
LANCL3	6.12017	6.27665	5.94002	6.11039	5.17689	6.58463	6.17366	5.63405	5.81135
XK	6.70154	6.55052	6.43348	6.90137	6.57631	6.57321	7.01183	6.17652	6.57214
HYPM	4.55526	4.45524	4.71638	5.19412	4.59324	4.31856	4.39353	5.17091	4.46077
SYTL5	4.38464	4.70923	4.55873	5.19688	5.05427	5.15477	5.12507	5.23578	4.92513
OTC	3.60168	3.70618	3.2878	4.21409	3.98396	3.94154	3.63352	3.90194	3.98508
TSPAN7	6.97242	6.82731	8.56201	4.8801	5.01285	5.61632	5.75666	4.96541	5.31232
MID1IP1	7.18832	7.20526	7.25538	7.91981	6.47237	8.35707	8.61203	8.02122	8.22775
MIR3937	5.24122	4.50883	5.27685	5.49566	5.00309	5.38783	5.37432	5.75657	5.4479
MIR1587	6.83535	6.21607	6.91545	6.78492	7.50612	6.71619	6.94523	6.59795	6.51251
MPC1L	5.48158	5.40106	5.62274	6.13645	6.17742	6.22793	5.924	6.12977	6.08477
NYX	6.33735	6.61097	6.5117	7.09208	7.29962	6.85294	6.72954	6.83558	6.80014
CASK	3.11861	2.92314	2.99611	3.91133	2.79722	3.66335	5.73323	3.14044	3.381
GPR34	6.8958	6.27262	7.94982	5.85929	4.55409	4.44617	5.79593	4.2538	4.67824
GPR82	3.66904	3.26758	3.10852	3.72009	3.75954	3.1535	2.7301	3.16825	2.66603
MAOA	8.15872	7.88478	8.6757	7.24284	6.95136	7.53355	7.23744	7.1394	6.85451
DUSP21	4.21524	4.5329	4.17768	5.13798	5.71816	5.439	5.37611	5.25115	5.0816
KDM6A	9.58665	9.044	8.91478	7.57481	5.6394	7.86034	7.91661	8.67385	8.44215
KRBOX4	6.87143	6.90568	7.20968	5.9456	6.57621	6.16207	6.2698	6.31904	5.90059
ZNF674-AS1	7.1823	6.98313	6.83088	6.44486	4.0665	6.13941	6.50051	6.19623	6.08709
CHST7	5.3884	5.83093	5.93497	5.93338	5.23779	5.67568	5.99536	5.92519	5.20839

RP2	7.25829	6.91044	7.19703	7.54165	6.00633	9.68064	7.91325	8.23418	8.26411
JADE3	7.08606	7.50047	7.19826	7.12228	5.69971	6.8005	7.01066	6.8273	6.80904
RGN	5.12858	5.41929	5.24219	5.51747	5.59596	5.53269	5.2419	5.5571	5.34958
RBM10	8.01622	7.75719	7.86035	8.41165	7.05229	8.68376	8.34721	8.6972	8.26119
UBA1	10.5991	10.2142	10.2314	10.4955	7.97343	10.7069	10.5421	10.849	11.0673
INE1	6.34945	5.70512	6.26881	6.01742	5.54742	5.47408	5.8952	6.41043	6.22914
CDK16	8.02816	7.54031	7.85765	7.86734	6.38414	7.70176	8.19991	7.80595	7.84669
USP11	7.39421	7.32189	7.5512	7.15913	6.12904	6.31908	6.79324	6.2173	6.42631
ZNF157	5.0458	4.73231	4.77055	4.19088	4.66893	4.56157	4.89174	4.77914	4.72482
ARAF	8.54418	8.10912	8.53065	8.47099	7.16637	8.08019	8.62295	7.8704	8.23595
TIMP1	9.21905	8.33159	9.50007	9.43509	7.02761	8.16158	8.79809	8.85679	9.07729
UXT-AS1	5.22908	5.55111	5.40543	5.47108	5.59883	5.70445	5.78457	5.37667	5.74069
CXXC1P1	4.54669	4.45284	4.30369	4.69752	5.01891	5.31466	4.4058	4.78115	4.61791
ZNF81	6.4628	6.23502	6.35077	5.29967	4.88376	5.74005	5.14616	5.44302	5.40445
SPACA5	3.15829	3.54185	3.97584	3.8483	4.06849	4.10277	4.11834	5.06453	4.28249
FTSJ1	7.83656	7.39294	7.91514	8.25261	7.53735	8.09696	8.74593	8.04167	8.28174
porcn	7.97469	7.74046	7.66032	7.71309	8.3864	7.44534	8.30643	8.13008	7.95728
EBP	7.72322	7.27799	7.61555	7.80351	7.65722	7.60192	8.18484	8.15319	8.22227
WDR13	7.05136	6.96407	6.93849	7.29057	5.88218	7.73804	7.65566	6.97696	7.25456
WAS	5.93244	5.52244	5.98532	6.45171	5.77299	6.13439	6.33697	6.44503	6.23441
SUV39H1	6.22	6.1196	6.33972	6.49307	6.27375	6.18597	6.62247	6.33157	6.29837
GLOD5	3.68422	4.07156	3.79892	4.26188	4.48869	4.80086	3.93788	3.88035	4.22604
GATA1	6.87398	6.81751	6.95908	7.34023	7.42642	7.29487	7.25742	7.26762	7.37898
HDAC6	7.32166	7.09638	7.07476	7.02418	6.45053	7.10268	7.17256	6.86973	7.11799
ERAS	5.50055	5.65265	5.76221	5.7372	6.39802	5.75903	5.51084	5.76038	5.71102
PQBP1	7.62376	7.84279	7.58896	7.90771	6.74305	7.77972	8.26323	7.53414	7.98619

CCDC120	8.55456	8.35959	8.18716	8.82222	7.22739	8.54213	9.04325	8.18778	8.97442
PLP2	10.7799	10.7946	11.0437	10.8473	10.5125	10.4731	11.0988	10.0156	11.0286
SYP	5.91517	6.46775	6.02499	6.44288	6.6356	6.75628	5.82313	6.65993	6.36305
CCDC22	6.96093	7.06173	7.06478	7.65529	7.19212	8.08058	7.45524	7.24397	7.61651
GAGE10	4.6686	4.48682	3.58744	5.11157	4.80212	4.48519	3.95822	5.00186	5.00902
GAGE12J	6.03337	5.94204	6.00675	6.53293	8.1397	6.44969	6.5505	6.28566	6.17255
GAGE13	4.84954	4.58994	4.83385	4.71843	6.78759	5.17914	4.97269	4.93609	5.1574
GAGE12G	4.8426	4.98726	4.98216	5.92306	7.34437	5.38372	5.37254	4.94523	5.19459
GAGE2A	4.47243	4.58693	4.82639	5.01399	6.98647	5.14317	5.04397	5.1032	5.06999
GAGE12C	4.48395	4.13794	4.71058	5.15011	9.41033	4.81694	4.67542	4.83699	4.80217
GAGE12H	4.95623	4.91815	5.2169	5.65334	7.72257	5.68179	5.59488	5.49483	5.36289
GAGE1	2.5361	3.37602	3.06544	2.48193	4.59516	3.07319	3.44948	3.43205	2.53148
Mir532	4.79959	5.51655	4.75571	5.6217	5.49622	5.36689	4.71159	5.62095	6.30961
MIR188	5.76281	5.63162	5.27823	5.98998	5.94644	6.17878	5.9299	6.08042	6.07008
MIR500A	6.29908	6.25713	6.47026	6.44216	6.58732	6.29816	5.6492	6.48194	6.75436
MIR362	4.49099	4.3322	4.08113	3.98911	4.41113	4.19556	4.12214	4.99948	4.12894
Mir501	6.39639	6.37396	5.98681	6.10743	6.39671	5.29735	5.37362	6.09819	6.4309
MIR500B	6.59318	6.60708	6.68541	7.40316	8.30655	6.73314	7.05294	6.78844	7.25996
MIR660	5.00447	5.01762	4.57922	4.88442	5.20257	5.29759	4.83107	5.26127	5.43051
MIR502	6.47481	6.49483	6.58702	6.69387	7.46315	6.8141	6.35435	7.43421	7.03032
CCNB3	4.8929	4.83831	4.78175	4.72095	4.91582	5.26731	4.06181	4.79201	4.39956
BMP15	4.94223	5.3761	5.15378	5.4291	6.11152	5.80619	5.51248	5.88995	5.74819
NUDT10	5.08282	5.21955	5.30126	5.63029	5.27947	5.57078	5.64298	5.54321	4.94842
CENPVL1	5.1766	5.37905	5.31145	5.57612	7.29918	5.94316	5.93499	5.87458	5.6358
GSPT2	5.7589	6.18517	5.64752	6.09915	6.1531	6.13761	5.98882	5.79928	5.86271
GPR173	5.75972	5.40274	5.58675	5.80639	5.80356	5.45535	5.06601	6.03743	5.53827

TSPYL2	7.32375	6.97397	7.84306	6.03389	4.71822	5.60515	5.37923	6.27661	5.25361
RIBC1	5.73027	5.40632	5.63656	5.43449	5.41194	5.69385	5.63291	5.68429	5.90764
GNL3L	8.0791	7.72837	7.92116	7.5327	6.86265	6.99007	7.92227	7.22152	7.66543
TRO	5.25736	5.16576	5.218	5.5357	5.39066	5.26766	5.22804	5.41563	5.30395
APEX2	7.24271	6.87194	6.96873	7.63913	6.11286	7.36742	7.81976	6.66208	7.33509
MIR4536-1	1.5935	2.3997	1.7856	2.11805	1.56099	2.42021	1.91971	1.69521	1.80851
FOXR2	4.66996	4.92875	4.78557	4.63787	5.7408	4.85937	5.31177	5.10135	4.70271
RRAGB	7.04977	7.70706	7.37258	6.11968	5.36066	5.6579	5.87915	6.28723	5.94329
KLF8	9.40821	9.29129	9.02077	7.9555	6.63564	7.2653	7.87836	7.69995	8.47474
UBQLN2	9.34615	9.09531	9.0836	9.34736	7.35315	9.19685	9.81763	9.66404	10.2909
LINC01420	8.09594	8.12948	8.14456	8.64337	6.15059	8.22448	8.56962	8.42229	9.07302
FAAH2	8.01751	7.74291	7.00886	5.90627	4.71398	6.18915	6.06644	6.05511	4.95162
zc3h12b	5.10081	5.75179	5.43837	5.07338	5.46871	5.07958	4.58367	5.60277	5.19367
MSN	11.0686	10.7315	11.2897	11.4436	7.95509	11.8361	11.5259	11.5626	11.9895
mir223	5.09737	4.95397	5.41879	5.20727	6.28744	5.40276	5.1219	5.42519	5.53441
HEPH	6.2328	6.9806	6.64203	6.78199	6.23308	6.28025	6.97617	6.11097	6.46719
ar	7.85537	6.58862	6.73998	5.68451	6.27475	5.71116	5.71551	5.45187	5.7138
STARD8	5.51491	5.63783	5.77548	5.69342	5.7447	5.67937	6.24694	5.77086	6.1975
EFNB1	9.07411	9.15207	9.18157	9.2468	7.34192	9.05455	9.8116	9.37843	9.64456
EDA	6.41369	6.7977	6.61784	6.22732	6.46483	5.97839	5.94111	6.55054	6.44874
MIR676	4.46459	4.1512	4.2139	4.43185	4.66194	3.83608	4.25809	4.16782	4.5919
OTUD6A	5.00583	5.17881	5.33607	5.92088	5.97056	5.81938	5.94462	5.67905	6.03072
IGBP1	6.71281	6.72281	6.69295	6.6872	5.91512	7.33282	6.78178	6.86935	6.74645
DGAT2L6	4.06488	4.55487	4.51371	4.6778	5.0678	5.24851	4.92446	5.07167	4.98184
AWAT1	4.81332	4.82001	4.86159	5.08867	5.70622	5.33802	5.17305	4.77742	5.20758
KIF4A	7.17269	6.7726	6.85873	7.54487	6.78891	7.64201	6.89697	7.12819	7.60261

GDPD2	7.46708	8.28963	7.3832	7.25551	6.20674	7.56597	8.33478	7.45995	8.13693
FOXO4	6.95894	7.34169	7.05123	7.21234	6.41989	7.15164	7.24033	7.18863	7.07763
MED12	9.06513	8.74847	8.84954	8.09706	6.46497	7.78657	8.25524	7.6538	7.95371
NLGN3	6.21916	6.04786	6.11869	6.2897	6.49564	6.40247	6.20713	6.129	6.00427
ITGB1BP2	5.46922	5.23069	5.40272	5.00497	5.17303	4.66325	4.73708	5.07552	5.1117
OGT	10.4005	10.2378	10.12	8.77641	7.29258	8.03148	8.70764	10.7334	10.2805
ACRC	5.43068	5.65819	5.16737	5.35988	5.53841	5.55282	5.39655	6.72375	6.29528
LINC00891	6.00003	5.85964	6.4541	5.90659	7.41423	5.95224	5.7126	5.98736	5.93845
CXorf49	5.64895	5.74771	5.85149	6.68566	7.04367	7.07947	6.08109	6.40261	6.31275
NHSL2	6.84247	6.09664	6.96942	6.02178	5.73423	6.33774	5.72553	6.38979	6.0031
RPS26P11	5.68164	5.37239	5.11952	6.03543	5.51657	6.47009	6.22949	5.08448	5.98017
FLJ44635	6.63845	6.40078	6.41555	6.22234	5.68939	5.16846	5.58264	5.78555	5.79347
DMRTC1	6.13202	6.33623	6.28403	6.65263	7.16425	6.73646	6.32043	6.51381	6.43676
LINC00684	6.71863	6.54751	6.59226	6.96766	7.92211	7.67899	6.87233	7.19216	7.22594
CDX4	5.61166	5.03146	4.85228	5.13221	5.42934	5.13766	5.14576	4.95395	4.49861
CHIC1	7.45131	7.38694	7.67579	6.3241	6.007	5.41204	6.61186	5.65185	6.555
Xist	6.10476	4.32264	4.10911	4.83696	4.70272	4.93056	4.37003	4.65965	4.81707
MIR374B	1.76805	2.11805	2.02648	2.32794	1.91755	3.57864	1.82994	2.27406	2.58175
UPRT	6.20506	6.2151	6.12416	4.96126	4.35484	6.25451	5.9618	5.46249	5.04568
FGF16	3.686	3.90896	3.76938	4.38023	4.61755	4.67503	4.13746	4.24872	3.82602
COX7B	7.40447	8.17619	7.99893	9.03602	7.51524	8.62222	9.16175	8.07717	7.85311
PGK1	8.92646	8.50721	9.08081	9.06886	8.47774	9.87414	8.89008	9.81842	8.96555
LPAR4	4.83953	4.62413	4.15364	4.55298	4.84055	4.50891	4.99241	4.70621	4.33248
GPR174	4.59067	4.4302	4.84626	4.36382	5.09267	4.71875	4.922	4.19604	4.18049
TBX22	5.63448	5.74905	5.33518	5.74311	5.81062	5.76407	6.0205	5.47259	5.96039
SH3BGRL	8.5787	7.92131	8.32377	7.18829	6.33006	6.56216	7.74911	6.12566	6.99332

POU3F4	3.07732	3.42818	3.1831	3.89824	3.77719	3.86559	3.61727	3.29777	3.55094
UBE2DNL	4.75199	4.84089	4.79811	6.0269	5.34765	5.5397	5.5347	5.20454	5.29657
APOOL	8.85131	8.91025	8.87698	8.08569	6.33489	8.10233	8.54115	8.00311	8.42613
ZNF711	6.01738	6.27995	5.92956	5.39605	4.48279	4.88932	5.28922	3.96328	5.01531
MIR1321	2.53007	3.00299	2.56204	4.16391	3.12581	3.05076	2.33972	2.37425	2.20431
DACH2	4.02372	3.76983	4.12215	4.4466	4.54716	4.007	4.40157	4.13738	4.27207
KLHL4	5.2329	4.67891	5.21686	5.22369	4.47452	5.19234	5.29797	5.02861	4.95792
PCDH11X	3.35368	4.10707	2.86722	3.41347	2.92527	3.67114	2.72907	3.47642	2.98931
DIAPH2	8.96743	9.35503	8.91619	7.49834	4.36841	7.31243	7.73739	6.83898	7.05457
TNMD	4.72113	4.68185	5.12446	4.76529	5.27182	5.0681	5.01487	4.25654	4.5125
TMEM35A	5.49402	5.20632	5.60026	5.62834	5.90997	5.44288	5.45799	5.20188	5.42826
CENPI	6.96885	6.22124	6.31111	6.46029	5.20054	5.30013	6.05718	6.30561	6.13673
DRP2	5.07997	5.06213	4.95127	5.45011	5.7456	5.0204	5.0173	5.3769	5.26635
RPL36A-HNRNPH2	7.02957	7.38473	6.90134	6.85512	5.65691	7.26691	7.18945	6.9321	6.89534
TCEAL2	5.02085	5.22895	4.79328	5.38797	5.68419	5.66182	5.8125	5.09164	5.30363
Nxf2	4.32895	4.55483	4.51133	4.3923	5.89424	4.88788	4.46456	4.68351	4.63598
nxf4	3.18541	3.87381	3.12135	3.29337	4.08849	3.86559	3.54993	3.14407	3.44449
GPRASP1	5.85138	6.24541	5.97833	5.95689	5.66064	6.18559	5.22037	6.09684	6.01316
LINC00630	7.86248	8.01308	8.06055	5.90081	5.15151	5.73167	6.64539	6.61402	6.73163
Tceal7	5.40669	5.78123	5.46853	5.17208	5.61635	4.86763	5.34265	5.43615	5.47323
TCEAL9	8.47493	8.45633	8.36557	9.428	7.61326	10.0496	10.0041	9.24373	9.65487
BEX3	6.67278	6.75052	6.48088	7.37827	6.62665	6.80156	7.79775	7.00687	7.38278
TCEAL4	6.12035	6.11493	6.09235	6.37899	6.03709	6.44432	6.32738	5.72975	6.30549
TCEAL3	6.92139	6.54807	6.54999	7.09443	6.59495	7.21753	7.11568	7.67619	7.15135
TCEAL1	4.94034	5.21573	5.20827	5.45791	4.98522	5.37377	5.50531	5.47491	5.29442
MORF4L2-AS1	6.17974	6.65686	6.66371	5.17172	5.53884	5.59624	5.68081	5.72712	5.86375

TMEM31	5.71988	5.39482	5.66248	5.79548	6.66644	6.0167	5.58354	5.85377	5.76131
PLP1	5.61515	6.18058	5.76137	5.7843	6.20457	5.21547	5.61415	5.75018	5.21063
TMSB15B	5.2537	5.23541	5.22148	4.80841	4.99399	5.16851	4.92213	4.97197	4.92759
IL1RAPL2	4.2695	4.23608	4.0617	4.49863	4.8937	4.12498	4.37372	4.38454	4.39046
NRK	4.44239	4.97999	4.18989	4.42029	4.78681	4.53656	4.20426	4.71816	4.45212
MUM1L1	4.70214	4.9762	5.09181	5.20839	5.34721	6.16052	5.58178	6.6495	5.582
cxorf57	5.20846	5.56566	5.35173	4.7183	3.57071	3.8795	4.59988	4.13469	4.06353
MIR548AN	5.96576	5.87862	6.29019	5.1018	7.86311	4.68636	4.92338	5.83086	5.61598
CLDN2	5.64195	6.01427	5.95837	6.37855	7.05803	6.53311	6.22272	6.35674	6.44272
PIH1D3	4.8586	4.78028	4.85042	5.24426	5.11487	5.55949	5.19808	5.06692	4.97982
PRPS1	8.01883	7.53478	8.13526	8.20227	5.57917	7.37669	8.96957	6.95781	7.88777
MID2	9.98252	9.69158	9.61741	9.37338	9.16722	10.0061	9.51245	9.50691	9.55983
VSIG1	6.37607	6.16678	7.1317	6.60687	5.87758	6.36086	6.45904	6.11173	7.00232
NXT2	8.02068	8.09851	8.15593	7.62878	7.21335	7.40926	7.92386	6.90685	7.60374
TMEM164	8.56991	8.57104	8.03599	8.06392	6.96828	7.15377	7.66469	7.37892	7.41352
Mir652	4.3519	4.18051	4.07777	4.30554	3.98599	4.51942	4.04421	4.21195	4.32297
MIR3978	8.51093	9.1695	8.29764	7.31858	8.52633	6.53454	6.64439	7.48883	7.44748
RGAG1	5.68307	5.72328	5.74174	6.08977	6.47963	6.4175	6.02735	6.18148	6.15161
TDGF1P3	3.34763	3.6149	3.38779	3.92767	5.70409	3.93344	3.74188	3.94389	3.49147
PAK3	5.38472	5.83131	6.2733	5.17339	5.33987	5.6356	5.25859	5.63386	5.48095
LINC00890	4.07987	4.26637	4.06906	4.231	4.68252	4.09479	4.35233	4.28694	4.45249
ALG13	8.55989	8.51758	8.30765	6.79545	5.69415	6.57413	6.81382	6.77546	7.53445
TRPC5OS	3.30603	3.53402	3.48128	4.21746	4.40006	4.10541	4.06101	4.17551	3.8936
MIR764	4.88258	4.91206	4.93405	5.24637	4.83636	5.23244	4.6457	5.11154	4.79209
MIR1912	4.2654	4.32895	4.25717	4.31748	4.87092	4.71369	3.90318	5.03111	4.70514
MIR1298	4.12101	3.99719	3.59679	4.57851	4.5272	4.72879	3.8343	3.97892	4.39148

MIR1911	6.18813	6.24531	6.25755	6.57436	7.46463	6.4139	6.2892	6.2635	6.57145
MIR448	3.98149	3.90803	3.83488	4.62061	4.60272	4.86689	4.83532	4.92249	4.45812
LUZP4	4.0305	4.78511	4.1218	4.71586	4.37746	4.65789	4.81848	4.25467	4.72654
PLS3	10.8055	10.5452	10.6893	10.97	9.92522	11.6117	11.3825	11.3526	11.1962
WDR44	7.98076	8.02621	7.61454	7.73394	5.18904	8.12926	8.17273	8.39729	8.75544
DOCK11	7.28442	7.26679	8.48682	8.06992	5.16819	6.70699	8.28896	6.83606	6.99318
LONRF3	5.36272	5.64925	5.35672	5.36671	5.37769	5.35727	5.07608	5.56167	5.42343
PGRMC1	10.6409	10.4416	10.9167	10.3013	8.08528	9.6309	10.2856	9.8331	9.99129
UBE2A	9.67783	9.37049	9.60071	9.63531	8.16925	9.33889	10.1626	9.30082	9.95054
SOWAHD	5.77327	5.67299	5.84595	6.29452	6.29887	7.08287	6.18886	6.31621	6.48799
RPL39	8.26393	7.84709	7.85579	9.48017	11.1059	10.0297	9.6782	7.7787	8.1889
AKAP14	3.53876	3.42567	3.47087	3.58196	4.01841	3.8732	3.67	3.72936	3.73471
ZBTB33	8.7555	8.27645	8.12084	7.11168	5.98109	6.82733	7.60724	6.88156	7.49426
MCTS1	5.1923	5.89509	5.27677	4.82176	4.69849	5.48754	4.75315	4.58572	5.1947
GLUD2	5.43974	5.62348	5.67144	4.97054	4.70397	5.76629	5.38577	5.66288	5.37627
MIR3672	2.04016	1.9662	1.8621	2.20484	1.74322	2.68443	2.40489	1.87087	2.05678
XIAP	6.50886	6.44211	6.64831	6.33472	6.22408	6.91719	7.04645	6.64063	6.79922
STAG2	9.04517	9.05935	8.88801	8.3872	5.52727	8.48377	8.64501	7.75728	8.1053
SH2D1A	4.45381	4.57485	4.99527	4.84317	5.33198	5.59077	5.01037	4.83391	4.93302
TEX13C	4.58972	4.94909	4.65658	5.29115	4.93658	5.26933	4.7486	4.8927	5.20506
PRR32	4.99723	4.97558	4.90575	5.21003	5.01281	5.35559	4.95712	5.22503	5.02315
OCRL	8.1925	8.48108	8.29011	7.38221	5.41117	7.50817	7.62554	7.57723	7.55155
SASH3	5.76922	5.63945	6.0669	5.9941	6.08321	6.18151	6.00739	6.26433	6.26334
BCORL1	6.6097	6.54962	6.08924	6.38124	5.95866	6.72531	6.53054	6.90908	7.0501
ARHGAP36	5.0224	5.23786	5.68368	6.14333	5.95076	6.38126	5.8166	6.11101	6.47474
STK26	8.63025	8.78705	8.59539	9.4737	6.65208	9.57932	9.57405	8.75618	9.27564

HS6ST2-AS1	5.50853	5.34757	5.29179	5.7307	5.93714	6.06311	5.53285	5.61088	5.6982
CCDC160	3.85148	4.48007	4.29619	4.21894	5.11029	4.49166	4.34476	4.48398	3.9135
PHF6	7.42809	7.53148	7.36619	6.90996	4.38204	5.78002	6.90189	6.38698	6.4859
HPRT1	7.24031	7.08406	7.42892	8.05779	4.61007	8.06631	8.22008	6.86964	7.27513
LINC00629	4.85953	5.16297	4.83484	5.43162	5.09818	5.14915	5.23383	5.2298	5.09973
FAM122C	7.0229	6.92557	6.58846	6.06372	6.19259	6.14218	6.39018	6.26486	6.29061
SMIM10	6.14604	6.42932	6.55159	6.35304	5.55777	6.31868	5.77978	6.35711	6.20444
ZNF449	6.40251	6.46956	6.11284	5.70783	4.34318	3.935	5.32204	5.30986	5.569
Smim10l2a	6.03839	6.23829	6.38797	5.1648	5.57	4.77104	5.72924	5.63871	5.43841
INTS6L	7.8787	7.97326	7.49749	6.64176	4.80243	5.37913	6.3506	6.45892	6.51117
SAGE1	4.44167	4.45957	4.20277	4.81092	4.88359	4.86646	4.43464	4.81138	4.72065
MMGT1	6.29857	6.38622	6.88039	6.23759	5.44367	6.73721	6.89892	6.2468	6.64601
FHL1	7.31166	6.82672	7.80265	6.91818	8.58558	6.84593	6.70245	6.85542	7.1553
ADGRG4	4.39831	4.66384	4.87246	4.76402	5.18809	4.9351	4.49605	4.9659	4.85994
BRS3	4.12384	4.82576	4.4066	4.34999	5.49745	5.15407	4.66861	4.84792	4.92736
HTATSF1	7.54039	7.67391	7.29828	7.41282	5.17655	6.84816	7.70735	6.92447	6.93988
VGLL1	6.09298	6.06452	6.02743	6.60099	7.28332	6.94893	6.3163	7.67622	7.28893
MIR934	2.98354	3.19115	3.05532	5.61644	2.88074	4.79674	4.42916	3.57987	4.04498
LINC00892	4.85024	4.94203	4.97409	4.54411	5.24428	5.29873	4.91474	4.60221	4.7835
CD40LG	4.09749	4.79595	4.48519	4.57408	3.8062	4.66707	4.6686	4.53471	4.05419
ZIC3	3.92138	4.27478	4.19646	4.8971	5.17231	4.86232	4.83535	4.47328	4.74412
FGF13-AS1	4.34449	3.94566	4.12458	4.30007	5.47892	4.1348	4.47618	4.04182	4.41114
F9	3.53384	4.12177	3.9566	4.79079	5.08789	4.65509	4.1194	4.38972	4.37227
LINC00632	5.60155	5.47013	5.68017	5.41248	5.66182	5.13088	4.73389	4.98606	5.08346
SPANXA2-OT1	3.84993	4.0692	4.02394	4.0457	4.41564	4.64944	3.7834	3.9534	4.28983
UBE2NL	4.67336	4.83626	4.76717	5.31439	5.23849	5.6854	5.42868	5.897	5.35549

TMEM257	4.24077	4.84353	4.49081	3.91653	3.95335	4.04058	4.28768	3.79718	3.65953
CXorf51A	5.91858	5.62407	5.86155	6.05129	6.48359	6.31566	5.93329	6.19149	6.107
FMR1	8.9373	9.26	9.02273	8.40589	6.15129	8.47213	8.6164	9.03943	8.32815
FMR1NB	4.61177	4.92897	4.85107	5.27251	5.0908	5.21679	5.06663	5.08064	4.84374
cxorf40a	5.93943	5.69177	5.88569	6.02753	6.3327	6.47791	6.22806	6.29386	6.22877
LINC00894	6.37243	6.45269	6.00249	6.02193	4.50656	5.22803	5.17923	5.45039	5.6487
MIR2114	4.64797	4.48664	4.33714	5.8557	5.07383	5.26589	5.22424	5.57816	4.95835
MAMLD1	6.64716	6.02406	6.89732	5.9182	5.30132	6.1261	6.10206	6.37648	5.9904
MTM1	8.02488	8.06314	7.97125	8.14411	5.15101	8.22254	8.38691	9.385	8.77306
MTMR1	8.82313	8.78467	8.60487	8.14299	6.23874	8.335	8.36181	7.78661	8.17934
HMGB3	5.90247	6.44929	6.29345	6.5831	6.42367	6.60485	6.88141	6.51695	6.32924
MIR4330	5.93426	5.72783	5.7641	6.53683	6.12025	6.1692	5.96534	5.97968	6.0487
GPR50	5.02555	5.01163	5.41997	5.9976	6.532	6.31177	5.49651	6.56245	6.18729
VMA21	7.13549	7.12925	7.13603	7.4291	5.8492	7.12296	7.33291	7.02833	7.15055
PASD1	3.874	4.04654	4.04296	4.21164	4.24741	4.94843	4.49686	4.24835	4.3986
PRRG3	5.45171	5.70457	5.48952	5.86621	5.6574	5.88765	5.70703	6.03385	5.73374
FATE1	5.26804	5.46962	5.32533	6.03052	5.85867	5.87796	5.52675	5.82599	5.80786
CNGA2	5.55431	5.32721	5.35836	5.69234	6.40501	6.025	5.9684	5.46792	5.71825
CSAG1	5.7425	5.7091	6.10329	6.5688	6.5171	6.68166	5.77029	6.30164	6.09358
NSDHL	9.32825	8.57988	8.86336	9.20703	8.08734	10.1204	9.88119	9.32786	9.92211
ZNF185	9.20773	9.21291	8.92617	10.515	8.4585	11.4236	10.5169	10.7914	11.2469
PNMA3	6.42596	6.77564	6.98589	7.31456	7.80078	7.79006	7.14053	7.12047	7.30172
ZNF275	6.72759	6.743	7.09508	6.56771	6.18418	6.79904	6.43559	6.80861	6.43785
ZFP92	4.75247	4.89179	4.59477	5.75621	5.35712	6.82248	5.98882	6.20236	6.19863
BGN	10.6167	9.35602	10.0715	9.98845	7.52464	8.23226	9.47764	8.42968	9.26067
DUSP9	5.60664	5.765	5.90695	6.28895	5.49139	6.47625	6.14152	6.19508	6.27684

PLXNB3	6.34416	6.47919	6.19386	6.801	6.01396	7.91016	6.59037	6.72757	6.48925
SRPK3	6.00434	6.27607	6.19284	6.80735	6.69988	7.30008	6.76702	7.01251	6.63641
AVPR2	5.52334	5.74188	5.97634	5.21884	6.2189	5.83167	5.71098	6.02397	5.82814
tmem187	6.58221	6.60661	6.39883	6.53502	6.44402	6.90096	6.7015	6.46868	6.67088
MIR3202-1	2.45185	2.19229	1.71736	1.96974	1.69593	2.14974	1.81816	1.75992	1.88399
TKTL1	5.30165	5.76259	5.65325	5.98108	6.22408	6.01547	5.22146	5.95672	5.72412
EMD	8.6358	7.95844	8.56787	8.75317	8.2357	9.54008	8.86669	8.91964	9.07095
TAZ	7.24199	7.39234	7.24083	7.37009	6.55207	6.90726	7.06531	6.95962	6.97059
GDI1	7.94636	7.70723	7.78822	8.10478	7.46847	8.40734	7.78184	8.82587	8.38643
PLXNA3	7.45081	7.6681	7.14663	6.6678	6.3877	7.96828	7.22657	7.39447	7.86116
CTAG1A	5.74445	5.99131	6.09734	6.49644	6.75323	6.21386	6.08652	6.37798	6.32113
f8a1	10.1692	9.80427	11.2303	9.94279	8.47001	8.45557	10.5023	7.93683	9.26944
FUNDC2	6.00669	6.03576	6.14617	6.62171	6.63454	6.648	6.22431	6.0658	5.99384
VBP1	6.11895	5.99234	6.09909	6.6675	5.64397	6.48706	7.03644	5.62208	6.84679
SPRY3	6.61576	6.35669	6.72975	6.18018	7.16941	6.60259	6.30377	6.98366	6.57603
VAMP7	9.84592	9.4333	9.86859	9.23209	7.48025	9.57268	9.67776	9.61776	9.75842
GTPBP6	7.03386	7.36922	7.13471	7.0691	5.44844	6.27954	7.39199	6.38063	6.83654
CRLF2	5.11888	5.13116	5.47344	5.84718	5.98525	6.3229	5.26101	5.59779	5.92782
LINC00102	3.90247	3.78803	3.55384	4.04752	3.84417	4.34795	4.46641	4.36106	3.79673
ARSE	4.79233	4.81227	4.78522	5.50364	5.68991	5.30109	5.35242	5.09975	5.0143
MXRA5	10.2593	9.44477	9.28028	7.84681	5.77654	6.48961	8.28354	6.76637	6.71212
LOC389906	6.95693	7.35882	6.74705	5.9778	4.68205	5.22297	5.98919	5.5419	5.83543
MIR4770	2.42395	2.15493	1.96271	2.75071	2.78902	2.6208	3.8616	3.06846	3.04838
PUDP	7.4773	7.01544	6.62932	6.79735	6.12314	6.36022	6.84195	6.4256	6.89802
PNPLA4	8.68716	7.95755	7.86573	8.01992	7.29677	7.56143	8.24434	7.52329	7.78383
ANOS1	8.36606	7.09609	7.28517	7.25512	6.45596	5.77427	7.29967	6.42862	6.68056

GPR143	6.8628	5.78898	5.94382	5.37684	6.01901	6.0356	5.80554	5.76533	5.67555
MID1	8.2267	7.77039	8.02493	7.70958	7.19712	7.15218	7.64327	7.87387	8.10261
ARHGAP6	6.32514	6.40853	7.09485	6.2286	5.25851	6.02238	5.92728	5.33085	5.6494
TLR8-AS1	4.46654	4.60627	4.37044	4.33758	5.04075	4.06814	3.78806	4.69926	4.28866
ATXN3L	3.69297	4.39977	3.89854	4.19785	5.04135	4.32387	4.4045	4.79838	4.13955
TRAPPC2	7.08556	6.81741	7.05721	6.21793	5.42451	6.27889	6.11218	6.59452	6.4367
GPM6B	6.87249	6.59952	6.81456	6.99231	6.35708	6.65113	6.80684	6.59371	6.44808
gemin8	6.87752	6.66812	6.84683	6.37499	5.60871	6.3391	6.64432	5.62518	6.24082
ASB9	5.60748	5.66442	5.64705	5.5205	5.89697	5.77816	5.53345	5.47716	5.47721
ASB11	3.93779	3.82839	3.82393	4.22578	3.64011	3.80194	4.06684	3.62438	3.89699
PIR-FIGF	6.21714	7.00606	6.52605	5.34855	4.18659	4.68171	6.08692	4.5338	5.40793
ACE2	4.74016	4.99453	4.52277	4.9244	4.64915	4.93149	5.66926	4.762	5.44248
TMEM27	3.85407	4.36126	4.18085	3.98044	3.87782	3.90725	4.0057	4.1712	3.91567
CTPS2	8.15967	7.9555	7.84577	6.62274	5.37234	5.77175	6.48368	6.0903	6.1695
RBBP7	8.45092	8.17107	8.44802	8.22458	5.65493	7.53329	8.06363	7.24623	7.5547
RAI2	6.82377	6.96336	7.08062	6.67124	6.71831	6.79046	6.64918	6.88158	6.82432
BEND2	4.7816	4.72665	4.7816	5.07152	5.27199	4.89876	4.99799	5.08514	5.08571
SCML2	5.70068	5.98882	5.46493	4.99467	4.96608	5.04338	5.01622	4.81932	4.96231
RS1	3.61965	3.97667	3.97285	4.12463	4.35369	4.66322	4.15291	4.45294	4.48478
ADGRG2	5.55551	5.37344	5.67997	5.42914	5.66412	5.56634	5.27086	5.22277	5.14785
MAP3K15	4.71674	4.46239	4.59739	5.55621	5.23065	5.39434	5.24324	4.88346	5.19326
SH3KBP1	7.23254	7.09379	7.3746	6.73213	6.29582	6.98696	7.37345	7.54189	7.8263
cxorf23	7.57932	8.18544	7.53411	6.20841	5.02631	6.35122	6.69886	5.84026	6.76464
LOC729609	5.6011	5.65497	5.6973	5.2197	5.3343	4.57315	4.85669	4.8454	5.35336
MAP7D2	5.25494	6.1508	5.89971	6.47849	5.71842	5.85108	5.96065	5.53253	5.91748
MIR23C	4.0732	4.23003	3.89839	4.15044	4.44706	3.6911	3.66082	3.60919	3.77727

SCARNA9L	6.9869	5.57841	5.43239	6.54724	3.00547	5.09767	6.5213	5.61565	4.62275
KLHL34	4.75036	5.18476	4.93169	6.0003	6.01228	6.30566	5.28931	5.93476	5.41587
PHEX-AS1	3.89375	4.16079	4.08392	4.58277	4.86829	4.30852	3.7686	4.06765	4.24785
PTCHD1-AS	4.1194	4.06739	4.71318	4.26321	5.53048	4.60692	4.41935	4.21763	4.41192
ACOT9	7.95098	8.01816	8.23444	8.28368	6.63801	8.12079	8.5726	8.46678	8.87165
APOO	7.10093	7.49303	7.78401	7.29873	5.16061	6.53265	8.02441	6.60113	7.25494
KLHL15	6.81429	6.75405	6.7947	6.34254	4.91067	6.21888	6.62724	5.38864	6.04576
ZFX-AS1	3.53631	2.75998	3.46782	3.35294	3.36813	3.32736	3.34786	3.20014	3.80274
ARX	7.1836	7.1807	7.26961	7.89516	7.40752	8.78468	8.11561	8.03194	8.19366
DCAF8L1	4.59443	4.95422	4.58829	5.39804	5.10589	5.38431	5.14862	5.02952	5.22932
cxorf21	4.26798	4.06181	4.76889	4.07865	4.17228	4.39936	4.21666	4.22781	3.81113
DMD	7.00152	7.38796	7.13201	5.49472	5.76032	5.75038	5.59788	5.79539	5.824
MIR3915	3.38864	3.23053	2.86106	3.42993	3.11828	3.62675	3.39725	3.44238	3.49301
TMEM47	9.43781	8.45196	9.74301	7.64619	5.98347	6.19763	7.6248	7.46772	8.16999
RPGR	7.84137	7.98259	8.48262	6.90742	5.95421	7.58125	7.95879	8.91082	7.72068
LINC01281	4.86567	4.73259	4.91105	5.38801	6.11844	5.08423	5.34057	5.09653	5.21821
BCOR	7.79065	8.13634	7.80625	7.00821	6.31992	7.66978	7.85513	7.65699	7.56122
cxorf38	6.58097	6.88555	6.94761	6.17478	5.65358	6.12795	6.54532	6.96565	6.53469
MED14	9.29723	9.39676	9.5362	8.76796	6.16927	8.3858	9.0402	9.75687	9.72132
LOC100132831	6.03365	6.12702	6.32925	7.10733	6.5184	6.50751	6.53274	6.98141	6.88206
MAOB	6.63016	5.28202	6.90483	5.50863	4.37317	4.76614	5.72554	4.96811	4.41473
ndp	5.36754	5.19214	5.36333	5.42502	5.75665	5.76425	5.74026	5.61033	6.05439
EFHC2	6.71639	5.75738	5.90855	4.75479	4.61461	4.83647	5.57421	4.41439	4.57759
FUNDC1	7.28937	7.1748	6.92018	7.15922	5.72805	7.30111	7.70205	6.78338	6.94896
CXorf36	7.33392	6.81842	7.49867	6.45008	6.57033	6.15184	6.59633	6.82982	6.93276
MIR221	9.13428	9.15273	8.86492	7.11377	4.87653	4.34005	6.17465	8.22841	8.79159

Mir222	6.93386	6.05655	5.97335	5.68557	5.75454	5.85425	5.72261	6.40645	6.00472
ZNF674	6.15572	6.66651	6.33274	5.90797	5.68287	4.9443	5.7153	5.69164	5.83725
LINC01545	4.36008	4.20918	4.34524	4.94639	5.13967	4.75893	4.48673	4.2727	4.27873
ZNF41	6.80948	6.87245	6.97809	5.85238	4.96652	5.45261	6.06364	5.51497	5.7408
SYN1	5.79284	5.42715	5.61658	6.05933	5.48204	6.30604	5.58554	5.93207	5.75063
CFP	5.79061	6.08927	5.87184	6.27636	6.21653	6.64686	6.27619	6.09079	6.27935
ZNF182	6.43554	7.05287	6.50772	6.62035	6.54793	6.28954	6.33612	6.31057	6.58935
PCSK1N	6.34329	6.40337	6.52646	6.84163	6.759	7.0831	6.89236	6.83479	6.6707
TIMM17B	6.99496	6.95792	7.34389	6.79438	5.93856	6.65991	7.18399	6.76175	6.85286
PIM2	6.35464	5.62316	6.03393	5.87923	6.09504	6.21946	6.08212	6.2633	5.8713
OTUD5	8.09846	7.82177	7.86194	8.03971	6.86698	8.18675	8.2113	8.07117	8.12747
GRIPAP1	7.42433	7.52329	7.33787	7.06165	6.15858	6.78645	7.28941	6.8286	7.08481
TFE3	8.9218	8.47345	8.60404	8.94967	7.07336	9.67842	9.20133	9.40934	9.54924
WDR45	8.20227	7.64897	7.59089	7.90669	7.66115	7.78524	8.0604	8.32068	8.13099
GPKOW	7.86695	7.94966	7.83391	7.75152	6.73505	7.72513	8.35109	7.18402	7.57614
PRICKLE3	6.89695	6.76731	6.77939	7.26051	6.54618	7.28136	7.46174	7.10247	7.42431
FOXP3	6.42966	6.73895	6.53036	6.89245	7.07434	6.98908	6.88203	6.82311	6.61428
USP27X-AS1	4.40728	4.37673	4.37705	4.55911	4.54055	4.84899	4.26688	4.53473	4.58202
AKAP4	5.13604	5.5232	5.08693	5.59737	5.33539	5.66426	5.50725	5.4805	5.20104
SHROOM4	6.95064	6.64541	7.39544	6.32093	6.42729	6.33403	6.39711	6.71248	6.86736
NUDT11	5.20591	5.03708	4.99514	4.83871	5.25132	4.59545	5.83342	4.59233	4.95793
KDM5C	6.90393	6.94045	6.57702	6.52194	5.6355	6.9016	6.69469	6.65586	7.03444
IQSEC2	6.27989	6.5862	6.4307	6.68447	6.25573	6.47107	6.89968	6.62458	6.58787
SMC1A	8.74334	8.32114	8.38142	7.63431	5.79603	7.1597	7.80196	7.31928	7.72715
HSD17B10	8.79918	9.02094	8.96689	9.67722	7.1268	8.77514	9.91338	7.98259	8.82722
Mir98	6.53925	6.58762	6.65883	6.93516	7.68103	6.74297	6.26518	6.57802	6.65909

MIRLET7F2	1.8621	1.99397	1.9052	2.182	1.76963	2.04275	2.04597	1.8074	1.86972
PHF8	7.33796	7.46974	7.21741	6.64132	5.67581	6.18439	6.57646	6.39618	6.07349
FAM120C	6.90515	7.21256	7.49515	5.97129	5.36733	5.70307	5.95466	5.91463	5.89848
WNK3	4.54653	4.59319	5.17144	4.29046	4.42047	3.63718	4.72653	4.91727	4.9141
MTRNR2L10	4.21961	4.65394	4.31387	4.92791	5.92665	4.56619	5.32479	4.19878	5.17084
USP51	5.46935	5.53611	5.57178	5.53512	5.27566	5.47636	5.43858	5.51795	5.32519
UQCRBP1	5.9051	5.85708	5.64643	6.08253	6.66579	6.07182	6.27104	5.74051	6.42259
LINC01278	8.13658	8.45084	8.06795	6.65685	5.54505	6.26193	7.25631	5.9598	6.92188
ARHGEF9	8.36532	8.60969	8.53619	6.78197	6.62066	6.37464	7.01897	6.29907	6.44741
MIR1468	5.98882	5.92482	5.82589	5.89818	7.38603	5.30466	5.00911	6.36836	5.94133
AMER1	7.11516	6.97514	6.92113	6.14591	6.10683	6.41559	6.34321	5.69399	5.69221
ASB12	4.82148	5.01694	4.9174	4.94006	5.4494	5.39549	5.15605	4.9991	5.059
MTMR8	6.82781	6.72568	6.77623	5.49458	5.82635	6.01624	5.83504	5.46177	5.74661
LAS1L	7.59128	7.66828	7.76808	7.36539	5.51235	7.07112	8.0127	6.97017	7.29476
FRMD8P1	6.96925	6.96626	7.11984	7.56918	7.39948	8.08331	7.60738	8.12727	7.5367
VSIG4	6.29968	6.21687	7.41854	6.06345	6.43804	5.79943	6.19198	5.84875	6.07271
EDA2R	6.51374	6.94696	6.82977	5.59769	6.25641	6.6961	5.82436	6.27212	6.55835
OPHN1	8.09683	8.37352	7.96955	6.50647	5.18778	6.09906	6.17055	7.34574	5.74574
AWAT2	5.19926	5.50164	5.26975	5.67511	6.13204	5.91372	5.47112	5.73841	5.7509
PDZD11	8.89606	8.71	8.66723	9.07904	7.99508	9.07567	9.39086	9.0226	9.54581
TEX11	3.64875	3.64556	3.78349	3.67157	4.09094	4.01389	3.80519	4.12292	4.16887
SNX12	8.41013	8.32599	8.31908	8.94869	6.75587	8.43688	9.16731	7.82844	8.55947
CXorf65	4.79747	4.99633	5.0932	4.7867	5.14332	5.21268	5.02575	4.7618	4.74608
CXCR3	4.92076	5.30621	4.74458	5.85289	5.23978	6.34282	5.17602	5.62221	5.61841
Rgag4	5.33852	5.50955	5.42739	5.70091	5.37408	5.96893	5.56723	5.69461	5.50682
HDAC8	7.44074	7.14875	7.19787	6.15973	5.01568	5.77646	6.59627	6.37916	6.52817

NAP1L6	5.39686	5.42391	5.28393	5.5077	6.07754	6.00082	5.63034	5.68515	5.70808
NAP1L2	5.6982	5.93208	5.81425	4.98395	5.38955	4.39322	5.55528	4.75374	4.77665
MAP2K4P1	4.83509	4.99517	5.26093	5.11118	5.87565	5.63396	5.3876	5.74778	5.2185
Mir421	8.9145	10.1133	8.56898	7.85076	5.65089	5.98996	6.90142	7.21662	8.19914
MIR545	5.76074	4.96174	6.07752	3.7785	4.90417	4.41384	3.82803	4.94486	5.26751
MIR374A	3.9304	2.85627	3.73021	2.48732	2.20228	3.33952	3.06478	2.68937	2.94172
KIAA2022	5.2677	5.38192	5.46672	4.41078	5.02655	4.63259	4.79196	3.97138	4.08376
TTC3P1	7.87589	7.68989	7.58548	7.03048	6.85333	7.32638	6.87931	7.47319	7.60299
Mir384	1.96152	1.88656	1.8855	2.1241	1.8324	2.90567	2.16757	1.81462	1.96315
Mir325	3.7395	4.29726	3.53467	4.58776	4.44907	4.84537	4.30237	4.03402	4.02106
ATRX	8.51334	8.50512	8.13201	6.90441	4.67905	6.331	7.22911	7.13012	7.2032
MAGT1	8.7699	8.73477	8.86738	8.85061	6.95835	9.75479	9.18676	9.51128	9.04767
PGAM4	7.78721	7.52544	8.12552	9.12512	7.95477	9.69396	9.15777	9.78987	9.27798
CYSLTR1	5.49575	5.85355	5.99117	4.91489	4.27854	4.79222	4.98719	5.15723	4.78498
MIR4328	3.57122	3.73549	3.52305	3.96408	6.20174	4.25769	4.08378	3.37693	3.98512
ITM2A	7.37848	8.01072	8.57695	7.60641	6.03876	6.22675	7.47141	6.70391	7.19314
BRWD3	9.13024	8.97893	8.79209	7.22558	5.65035	8.5117	7.74352	9.27301	7.89749
HMGN5	6.09548	6.06051	5.98208	4.50739	4.90695	5.30988	5.41914	4.17702	4.73239
MIR548I4	4.94054	5.25902	4.95611	4.52711	4.87192	4.60257	4.74272	4.73372	4.91656
HDX	5.71356	5.28238	5.31674	5.12124	4.72435	5.22158	5.18008	5.15721	4.78509
SATL1	6.01589	5.37491	5.43121	5.52503	5.26995	6.10416	6.23376	5.42898	5.59833
CHM	7.5496	7.30767	7.37129	6.87586	4.33249	6.67789	6.49571	6.81658	7.18034
Mir361	6.41786	6.06776	6.51358	4.42913	4.32234	3.6327	5.19396	4.51967	5.04113
NAP1L3	6.27719	5.81851	6.35437	5.40597	5.00748	5.02354	5.94689	5.35739	5.03195
MIR548M	3.75495	4.14346	3.93416	4.17489	3.30232	4.37309	4.70257	3.7508	4.06203
XRCC6P5	4.78242	4.63616	4.36039	5.10659	5.14017	5.36007	5.51691	5.20341	4.90331

PCDH19	5.66439	5.85205	6.48388	5.54461	5.01664	5.71305	5.06966	5.47876	5.28541
TSPAN6	7.85989	7.94675	7.83912	8.26485	6.12137	8.33724	8.3243	7.981	8.09128
SYTL4	5.89424	6.18599	5.98422	5.34677	6.32453	5.75369	5.37426	5.97964	5.97872
NOX1	6.6877	7.04986	6.82738	5.56264	5.80075	5.69421	5.67538	5.79095	5.7109
TRMT2B	8.58247	8.55326	8.45686	7.7191	6.50334	7.05506	7.90508	7.62899	7.55433
TIMM8A	7.30843	7.43615	7.1831	6.41452	5.9958	6.22226	7.1571	5.64627	5.90687
BTK	6.58934	5.81558	6.48547	5.4321	5.70985	5.59079	6.37367	5.80576	6.00377
NXF5	4.55769	4.78344	4.96338	4.7545	5.11418	5.20188	4.35899	4.99185	4.80475
TCEAL6	4.03163	3.985	4.0272	4.30818	3.73391	4.20789	4.55688	4.22787	3.84089
NXF2B	4.64346	4.8966	4.87093	4.80616	6.22081	5.23846	4.87273	5.07025	4.97624
TMSB15A	2.28664	2.04086	2.12508	2.58399	2.8736	2.66384	2.06168	2.43485	3.051
NXF3	5.51125	5.35169	5.10491	5.67074	5.9842	5.85493	5.38376	5.42841	5.53197
TCEAL8	7.45818	7.0724	7.08965	7.42076	5.5626	6.61989	7.51122	6.82675	6.63647
TCEAL5	5.65508	5.64859	5.79278	5.50268	5.74291	6.04845	5.90951	5.99386	5.83179
BEX2	5.83832	5.64637	5.57314	5.13946	5.01325	5.84254	5.58115	5.81671	5.52969
MORF4L2	9.34577	9.13683	9.27508	8.79798	6.43475	8.79334	9.13765	9.61586	9.30483
LOC286437	7.51459	7.91356	7.36855	6.63237	5.27259	5.43662	7.08751	5.82523	7.33933
ESX1	4.58255	4.52179	4.55749	4.9205	4.87213	5.29405	5.18976	4.95343	5.13773
Tex13a	3.95864	4.00011	3.87474	4.67515	4.38403	4.75066	3.85441	4.75282	4.85776
MORC4	8.69638	8.32381	8.48123	8.0101	5.39094	7.44313	8.42766	6.94149	8.14325
RIPPLY1	6.0266	5.65782	6.0562	6.39088	6.52389	6.53595	5.75955	6.09093	6.19342
RBM41	8.01949	7.98567	7.62185	6.52581	5.44655	5.91005	7.14371	6.52842	6.42089
NUP62CL	6.68612	6.503	6.54435	6.19925	5.29844	5.89494	6.05896	6.10291	6.2558
TEX13B	4.83978	5.17484	5.12289	5.38923	5.64716	5.06053	5.34452	5.54424	5.84897
IRS4	3.79168	3.44285	3.58855	4.38585	3.94061	4.17727	4.37739	3.92913	4.24873
KCNE5	5.7464	5.9455	5.7484	6.76961	6.13331	6.57294	6.46476	6.05744	6.10087

ACSL4	7.67891	7.15628	8.02488	7.7995	4.35467	6.60593	7.93896	7.67105	7.5989
CHRD1	7.01249	7.58118	8.28741	4.35409	5.23314	5.25221	5.56682	4.36563	4.76811
CAPN6	5.98884	5.66854	5.96498	6.23105	6.08242	5.59528	5.37574	5.49234	5.47008
DCX	4.8027	5.00063	4.68894	5.11224	5.36669	5.43327	4.94094	5.39441	4.87768
LHFPL1	5.13626	5.40052	4.89968	5.79045	5.85408	5.6859	5.01451	5.53761	5.05825
AMOT	6.39825	6.47639	6.61621	5.69891	5.13002	6.12353	5.98446	5.27451	5.68569
LRCH2	5.30668	5.33758	5.43023	4.326	4.88398	4.43252	4.66399	4.98969	4.97472
CT83	5.99556	6.25243	6.09398	6.47292	6.82407	6.5853	6.3098	6.52251	6.34956
KLHL13	5.17765	5.86695	5.42781	5.58111	5.18183	5.33131	5.56946	5.37507	5.14281
KIAA1210	4.56559	4.90943	4.80576	5.0068	5.27236	4.49577	5.09737	4.58642	5.53013
SLC25A5-AS1	5.44478	5.70888	5.70091	5.68867	5.64875	6.43205	5.96723	5.96253	5.756
cxorf56	6.1422	5.68887	6.10701	5.96707	4.74661	5.42868	5.66058	5.80823	5.44354
NKRF	6.73248	6.84402	6.63237	6.45777	4.69597	6.07524	6.413	5.54943	5.61854
44445	7.81934	7.6296	7.94994	7.33458	6.6015	6.89937	7.44621	7.03436	7.1804
MIR766	6.41135	6.38067	6.07308	7.66851	7.44972	7.81493	6.23054	8.44849	7.79713
UPF3B	7.23471	7.43833	7.16694	6.05297	4.09428	5.83009	6.68884	5.93877	5.99023
RNF113A	5.69669	6.24097	5.93063	6.42452	6.21645	6.3399	6.71612	6.34769	6.07941
NKAP	6.07752	5.85125	5.85319	5.426	3.87818	5.2948	5.69346	5.17841	4.88953
NKAPP1	6.44426	5.05198	5.81456	4.05472	5.03689	4.14416	3.94635	4.89009	4.40219
LAMP2	9.49017	9.42022	9.39644	9.44197	6.80903	9.5749	10.0298	9.7793	9.86586
CUL4B	7.91541	8.104	7.84324	7.95923	5.37648	7.81752	7.69283	7.77245	7.57353
C1GALT1C1	6.17555	6.23053	6.18004	6.23957	5.67722	6.07093	6.53952	5.76023	5.96846
THOC2	9.00336	9.02629	8.81783	7.65518	5.22163	6.88521	7.86181	8.03585	7.63158
DCAF12L2	5.64188	5.51715	5.18954	5.42376	5.51746	5.96488	5.64062	5.57416	5.50942
DCAF12L1	5.53536	5.52236	5.42749	6.25957	6.3875	6.29341	5.69171	6.05143	5.96708
ACTRT1	3.98044	3.91984	4.18001	4.79507	4.76833	4.05125	4.57275	4.34943	4.26975

apln	6.71161	6.38445	6.26276	7.63698	7.12642	7.32197	6.95567	7.57178	7.07729
ELF4	7.37435	7.10438	7.43452	7.91066	5.68184	7.39429	7.83829	7.05858	8.19709
ZNF280C	8.4791	8.58347	8.45197	6.34782	4.54717	5.70979	7.07175	6.78786	6.31554
GPR119	5.25969	5.50053	5.11376	5.85237	6.81934	6.61813	6.15688	6.35919	6.38871
ENOX2	7.67616	7.84388	7.79603	7.63497	5.06871	6.88575	7.93891	6.82735	7.32456
FRMD7	4.37519	4.56874	4.63724	4.64876	4.74952	4.27804	4.05946	4.58647	4.134
MBNL3	8.70568	8.62388	8.8145	8.22664	5.29367	7.65335	8.60327	6.87606	8.14606
HS6ST2	4.08936	4.50827	4.4097	5.37463	4.52494	4.88734	4.9072	5.16998	4.92572
USP26	3.94356	3.63795	3.68222	3.79061	3.91297	4.26257	3.76502	4.11158	3.85295
GPC4	6.42884	6.43954	6.48427	6.2793	5.8907	6.41403	6.18988	5.72945	6.34027
GPC3	6.61991	6.39594	8.08695	5.3456	5.63143	5.08818	5.3894	5.19583	5.2929
mir363	2.80154	2.52938	2.5958	2.775	2.79805	3.55804	3.23754	2.88929	2.94866
Mir92a2	1.86028	1.91736	1.88729	2.66615	2.36965	2.57148	1.84102	2.46597	2.0739
Mir19b2	2.23794	2.16787	2.33309	2.32632	1.92863	2.71802	2.02824	2.25842	2.52932
mir20b	2.76611	2.66041	2.68024	2.87589	3.06294	2.88694	3.53301	2.91935	2.6081
mir18b	2.29326	2.24433	1.9706	2.4373	2.35993	2.37149	3.25528	2.66565	2.17361
Mir106a	1.87498	1.98154	1.74658	2.06381	1.97486	2.33296	2.22351	1.82511	2.02332
MIR450B	1.95125	1.93893	2.01122	2.30877	1.93543	2.43406	2.18069	2.05189	1.98963
Mir450a1	2.14433	2.22549	2.1768	1.88414	1.98645	2.48476	2.41904	1.87954	1.96833
MIR450A2	2.96798	2.822	2.7044	3.06015	2.42824	3.67239	3.22566	3.35385	3.26776
Mir542	3.84229	3.73989	3.81244	4.16249	3.23047	4.28082	4.38676	4.02637	3.68968
MIR424	5.34497	5.21588	5.48806	6.35631	5.38079	5.80135	5.46818	6.42694	5.78192
Mir503	5.7699	5.55717	5.74635	6.30147	6.4078	6.13165	5.3317	6.10039	5.73498
PLAC1	5.06104	5.19577	4.83698	5.64499	6.10063	5.57951	5.44011	5.43871	5.86906
FAM122B	7.47991	7.92051	7.53265	7.2322	6.3379	7.11458	7.5928	7.70089	7.0747
MOSPD1	8.74191	8.62116	8.43755	8.6476	8.14229	8.69301	9.08443	9.52824	8.71301

SMIM10L2B	5.66178	6.25528	6.33401	6.91325	5.46651	6.21336	5.91986	6.60036	5.34978
CT55	4.80116	4.77015	4.89298	4.62057	5.59946	4.76111	4.90634	4.82187	4.8746
ZNF75D	6.75073	6.77005	6.67722	5.66259	5.39009	5.40462	6.46109	6.25362	5.98507
MAP7D3	8.01116	8.206	8.3383	7.78461	5.50534	6.5913	7.82235	7.09792	7.63478
ARHGEF6	7.12236	7.38414	7.68579	5.59096	4.75979	4.862	5.76105	5.41009	5.1466
GPR101	5.97313	6.44065	6.05199	6.58607	7.21985	7.10062	6.58223	6.76158	6.6149
LINC00889	3.78914	3.2734	3.48916	2.71335	3.95236	2.93643	2.77998	3.13263	3.1015
FGF13	5.74554	5.42435	5.77892	5.84146	5.96433	5.79317	5.59264	5.78309	5.66529
Mir504	5.95241	6.31095	6.26775	7.00723	6.84378	7.2783	6.33528	6.83365	6.48276
MCF2	4.65353	4.56172	4.4957	4.51363	5.28952	4.7265	4.50366	4.79843	4.88202
MIR505	6.56364	7.66904	6.12851	4.84278	5.38214	3.97924	4.7192	4.87445	4.77809
CXorf66	3.01427	3.35852	2.53775	3.06604	3.09455	2.68493	3.72664	3.48168	3.36916
SOX3	3.3416	3.19273	3.25185	3.69777	3.49069	4.24582	2.94834	3.8351	3.93281
MIR320D2	2.85621	2.89394	3.21357	3.33544	2.75908	3.88374	3.30578	2.65493	2.65728
MIR890	3.00942	2.5556	2.7489	2.97261	4.21174	3.15954	3.69358	5.09632	2.89141
MIR888	4.64211	4.89108	4.26865	4.6526	4.81967	5.12961	4.97549	4.91127	4.91023
MIR892A	3.3583	3.74783	2.71086	2.94332	4.24531	3.10472	3.32723	3.05552	3.51636
MIR892B	1.96407	2.24701	1.78409	2.39064	1.90598	2.16457	2.11176	2.19352	2.13199
MIR891B	2.1482	2.38198	1.97917	2.07373	2.19473	2.36086	2.37489	2.11313	1.87339
MIR891A	6.87234	6.39393	6.50949	7.73884	7.93868	7.33326	7.28298	7.44036	7.33251
MIR513C	3.30677	3.32764	3.61031	3.77138	4.76531	4.78198	3.64208	3.46215	3.59546
MIR513B	2.3457	2.39407	1.88042	2.58661	2.83716	1.90483	2.47172	2.4506	2.0911
MIR513A1	4.4178	5.10824	4.13529	5.80726	6.92894	5.12993	5.32744	5.94818	5.12754
MIR513A2	7.13376	6.64463	6.68758	6.55726	7.77181	6.28687	5.84577	7.27138	6.39792
MIR506	3.28077	3.41956	3.29777	3.39425	5.01907	3.19112	3.01233	3.82654	3.645
MIR507	2.25625	2.22527	2.42607	2.66148	3.1974	2.56082	2.77977	1.97411	2.7893

MIR508	3.57638	3.47446	3.54592	4.22429	4.48709	3.87102	4.26635	4.07971	3.94248
MIR514B	2.5227	2.13583	2.60709	3.10244	3.62731	2.98169	2.89686	2.23899	2.25697
MIR509-1	5.42386	5.97702	5.45371	6.46782	6.66411	6.41027	4.5214	5.94735	5.90393
MIR509-3	3.63033	3.59102	3.85105	4.13801	5.87277	4.17868	4.12851	4.01035	3.87362
MIR510	2.3382	2.3879	2.30356	2.63133	2.22319	2.50267	2.1567	2.41148	2.14965
MIR514A1	3.27621	2.47558	2.64025	3.92571	4.02815	3.1026	3.72092	2.38745	2.54729
MIR514A2	2.52014	2.62747	2.619	3.29337	4.24308	3.39189	2.80349	2.6579	2.74329
FMR1-AS1	5.11877	5.30034	5.50042	6.00079	5.58429	5.6236	5.54491	5.53643	5.15407
IDS	9.24945	9.51268	9.47166	8.9578	8.57177	9.74805	9.77238	10.506	10.3432
LINC00893	7.54213	8.54654	7.66925	6.48082	5.96072	4.92949	6.38972	6.46344	6.288
TMEM185A	7.42826	7.56189	7.24722	7.71252	7.72229	7.87344	8.50109	8.50807	8.32213
CXorf40B	6.70783	6.54268	6.85248	6.63325	6.6212	6.69782	6.65602	7.09379	6.54349
CD99L2	7.65527	7.53896	7.67388	7.2135	7.28461	6.864	7.25077	7.1771	6.93148
MIR105-1	5.84881	5.69249	5.66055	6.1815	7.84684	6.27414	6.18098	6.27977	6.1105
MIR767	4.19018	3.75604	3.8756	4.17045	4.9608	4.82617	4.84012	3.82446	4.39457
MIR105-2	4.44934	4.29192	4.75611	5.5639	5.76713	5.53727	4.72699	5.19597	4.73879
PNMA5	7.0001	7.08359	6.93591	7.37716	7.56822	7.72609	7.03633	7.23411	7.33011
PNMA6B	6.415	6.34732	6.42604	6.99335	6.73936	7.91196	6.98884	7.46213	7.25268
TREX2	5.5093	5.4457	5.4382	7.12142	5.9818	6.78484	6.67333	6.0152	6.15559
PNCK	5.14593	5.51253	5.15567	5.8256	5.76252	5.82663	5.67709	5.67055	5.97607
BCAP31	8.54368	8.69603	8.81452	9.46284	7.21914	9.61175	9.89803	9.07248	9.44209
IDH3G	9.1557	9.05027	9.1985	9.37199	8.30313	9.17953	9.53458	8.58975	8.96161
PDZD4	5.37289	5.77473	5.53982	6.22128	5.31354	6.08145	5.68474	5.70623	5.81287
L1CAM	5.95933	5.75603	6.09621	6.12105	5.87246	6.1606	6.04914	6.25459	6.62091
ARHGAP4	6.3898	6.77609	6.80445	6.69655	7.13277	7.21242	6.59769	7.08798	6.95606
RENBP	5.51671	5.86768	5.61491	6.75142	6.36592	6.51339	6.00308	6.64137	6.16292

HCFC1	8.77168	8.55988	8.73663	8.8051	6.72492	8.44771	9.40174	8.03631	8.54721
IRAK1	7.21985	7.33076	7.3384	7.67922	6.01945	8.51222	8.11302	7.75136	7.85427
MECP2	7.66179	7.43298	7.75481	6.61358	6.42063	6.98791	7.03005	7.01819	7.05987
TEX28	5.31803	5.41566	5.08073	5.96279	6.17271	5.9507	5.55973	5.73709	5.85394
DNASE1L1	7.83218	8.00482	8.06302	8.41697	7.59482	8.94065	8.86959	8.39886	8.47012
UBL4A	7.41243	7.25097	7.23122	7.3913	6.41109	7.26123	8.3454	7.40193	7.15894
G6PD	8.44312	7.96459	8.3675	9.03686	7.25524	8.58493	9.28311	8.46422	9.1713
CTAG2	6.56113	6.77554	6.75013	7.23325	6.68574	7.68367	6.90983	7.29771	7.0531
GAB3	5.83718	5.69784	6.28172	5.52734	5.2877	5.46676	5.84067	5.3395	6.09475
SMIM9	4.41384	4.02781	4.37055	4.42335	5.0213	4.58549	3.83418	4.6135	4.36725
MTCP1	6.63017	6.78357	6.60137	6.09055	5.89768	5.25437	6.75204	5.96947	5.81716
CLIC2	7.39855	6.90373	7.87006	6.61811	6.19806	6.06389	6.77848	6.42305	6.97831
SHOX	6.061	6.12729	6.224	6.25278	6.7124	6.42987	6.36731	6.38487	6.48488
ASMT	6.89105	6.90602	6.85202	7.19029	6.55971	7.52857	6.93314	7.35101	7.30318
CD99	10.5842	10.6187	11.2258	11.2345	8.85078	10.9432	11.1089	10.6585	10.6843
LINC00278	5.84396	8.24229	7.64737	7.97484	7.56896	7.71301	6.82672	7.36135	7.59373
PCDH11Y	3.65244	3.9318	3.70959	4.36256	4.65768	4.51118	4.09644	4.69965	3.97089
DAZ2	5.02581	5.41638	5.99043	4.93094	7.91964	5.14384	5.22527	4.78819	5.17321
IL9R	6.40838	6.45504	6.46144	6.81051	7.38804	6.75916	6.44669	7.04662	6.79714
ASMTL	7.27473	7.2657	7.33271	7.00824	6.42333	6.71901	7.09569	7.30132	6.57866
SRY	4.17139	5.59636	5.14804	5.45582	5.10216	4.66912	5.82264	5.13131	5.34815
GYG2P1	6.01109	6.0705	6.03578	5.84514	5.79074	5.99459	6.10212	6.08426	5.76528
NLGN4Y-AS1	6.70183	6.52918	6.60432	7.45014	7.0027	6.98665	6.97044	7.27427	7.54873
CD24	10.0945	10.4141	10.1225	11.8509	12.466	12.7386	12.2952	12.4687	12.3581
BCORP1	4.63998	5.25095	4.84485	5.06886	5.87567	4.89805	4.73857	4.97833	4.74439
KDM5D	4.87172	8.09693	7.97778	6.66218	4.88719	6.1162	6.76224	6.57859	6.96772

DAZ1	4.34292	4.80623	5.50159	4.35154	7.36211	4.51912	4.64928	4.21494	4.91611
DAZ3	4.55458	5.01806	5.73607	4.72536	7.74717	4.7991	5.14824	4.69709	4.92981
LOC171391	6.43469	6.89683	6.63778	7.40771	7.88207	6.75069	7.04479	6.61702	7.02761
MAGOH2P	4.80337	5.3284	5.34656	4.83373	4.2079	4.07522	4.90614	3.98744	4.27609
RPL12	11.9789	11.9451	12.2323	11.9831	12.0217	11.9726	12.2695	11.4484	11.7701
KIAA1656	5.28135	5.4234	5.58769	5.79285	5.69645	5.49461	5.54327	5.44011	5.70655
FLJ38576	3.77269	4.55123	3.98514	4.23009	5.30007	4.90491	5.05982	5.10626	4.77922
MGC27345	8.18422	8.12994	8.75659	6.86551	6.7764	5.58362	7.15548	6.51284	6.58937
MIR4418	5.48441	6.02089	5.48219	5.6789	5.96585	6.185	5.75505	5.92359	5.85359
MIR1273F	4.56878	4.62674	4.51671	4.24656	5.20874	4.02629	5.50229	4.03112	4.50091
MIR4781	5.00145	4.88289	4.82388	7.14403	5.56899	7.09581	6.56835	6.83683	5.99614
MIR1254-2	5.90484	5.2905	5.29753	5.28723	5.51318	5.30522	5.83832	6.22403	5.9421
MIR4296	7.09172	7.26136	7.1979	6.99447	9.10257	6.47564	6.614	7.61732	7.72823
MIR3159	7.54864	7.60656	8.53486	8.78668	7.92052	7.92735	8.13104	7.82719	7.58751
MIR612	8.78813	7.37626	8.41045	8.62688	7.30661	8.06145	8.16149	10.8466	9.79434
MIR4489	7.76424	7.85968	7.60544	8.5389	9.69998	8.20817	8.1194	8.15371	8.26338
mir34c	3.00519	2.95469	2.87951	2.83557	3.18792	2.87676	2.72907	2.93376	2.73283
MIR1908	6.98065	7.29352	7.3551	8.78001	8.7263	8.66439	7.58574	8.58048	8.01673
SCARNA12	9.26089	8.94502	9.0937	10.269	9.60516	10.2002	10.3304	9.19509	9.09809
MIR4304	7.80224	7.87927	7.85861	9.48922	9.72772	8.83634	8.13107	8.27109	8.04875
MIR15A	6.47144	6.93016	6.20286	6.30464	5.20515	6.00325	6.13192	5.92869	6.04508
MIR4515	6.77346	6.58342	6.43861	7.5631	7.97402	7.91423	7.59483	7.18546	7.43094
MIR4716	4.63557	4.25895	4.49837	5.51225	5.28387	5.90062	5.06278	4.25874	4.92709
FLJ10038	7.18507	7.11643	6.78443	5.80077	5.64569	5.33896	5.34388	6.14645	6.00318
MIR4514	6.20312	6.26396	6.36326	6.22443	7.35337	6.16806	5.81957	6.14616	6.23398
MIR3677	8.37783	8.5836	8.84771	9.38061	10.5662	9.61565	9.52462	9.99728	9.47617

MIR4719	1.85551	1.8458	1.64881	2.26864	1.89735	1.9388	1.88936	1.77351	1.81444
MIR451B	2.0469	2.77482	2.25884	2.60173	2.12628	2.50982	2.73189	2.57008	2.58204
SCARNA16	7.71761	8.32689	8.03952	7.82056	9.37277	8.0403	8.13354	7.78124	7.86744
MIR4740	5.47022	5.71633	5.94891	6.63164	5.81646	6.11303	6.52826	6.31133	6.45249
MIR4526	6.90582	6.56255	7.07515	7.6629	7.60179	8.14062	7.26658	7.44825	7.63689
MIR4754	8.23061	8.10612	8.34748	9.4379	9.64707	9.27285	8.51336	9.06262	8.9395
MIR3127	5.0392	4.78993	4.84574	5.4471	6.02704	5.78164	5.22521	5.93347	4.78567
MIR10B	2.50661	2.64781	2.78229	2.80502	4.42337	3.05107	3.18662	2.62769	2.20025
MIR4262	6.35675	6.73388	6.38469	7.06335	5.59906	6.54095	6.98231	6.15688	6.46129
MIR4437	6.46804	6.4685	6.37974	6.74169	7.55493	6.4537	6.49766	6.10759	5.93328
MIR3194	6.86405	7.41377	6.76942	6.9948	8.07358	6.77792	7.12156	7.24501	7.62092
MIR1914	7.22781	5.95838	6.42763	7.0213	6.57747	8.23868	7.6275	7.453	7.23414
MIR4760	1.89277	2.14978	2.02477	2.20347	2.42835	2.68119	2.39795	2.14252	2.27406
MIR1281	7.70398	7.64862	7.5243	8.37597	9.45028	8.3472	7.92062	8.04566	8.16484
MIR3928	5.90604	5.83485	5.5942	7.89125	6.70267	8.14893	7.5195	6.69049	6.97196
MIR4270	6.58293	6.74691	6.14521	7.35907	7.50527	7.17272	7.0056	6.86119	6.89492
MIR3607	2.80965	3.05227	3.01109	2.88524	2.43974	2.57904	2.41965	2.57811	2.41744
MIR4637	5.3498	4.70797	3.79869	3.17056	2.30555	2.56463	2.69814	2.42346	3.21202
LOC100132356	6.49389	6.22124	6.80759	6.4483	7.05831	6.16028	6.2849	6.10813	6.14414
MIR4467	5.98362	6.31846	5.98337	6.03274	7.04521	6.16893	6.44657	6.32354	6.13086
SND1-IT1	7.27732	6.55517	6.90022	5.79622	5.99471	4.73131	5.36458	6.16155	6.27497
mir196b	8.12113	7.32696	7.75978	7.52453	6.6392	6.6861	7.77422	6.90158	6.58245
MIR1204	5.79751	4.25126	4.23855	3.84117	3.00966	2.67822	3.6467	3.59008	4.03074
LOC100128361	7.1585	7.42801	6.87325	6.45567	6.46165	6.12095	6.05512	6.50309	6.92268
MIR2861	5.14985	3.96577	5.0654	5.43213	3.28182	5.82234	5.54089	4.53683	4.74611
MIR7-1	6.19425	5.04397	5.80291	5.26556	4.50674	4.56655	5.41438	5.09039	5.04166

MIR3621	7.07813	7.49179	7.06094	7.94496	7.94188	8.05181	7.23845	8.14825	7.9539
MIR1264	3.20801	3.53503	3.27315	3.4575	3.30767	3.49972	3.11474	3.66987	3.86827
LOC284581	3.34054	3.43766	5.72386	3.94539	4.64989	4.3625	3.46263	3.44299	5.50953
BMS1P5	11.0912	10.7785	11.493	7.81115	7.85612	6.1778	7.54549	8.69136	9.30407
MRPS31P5	5.43556	5.51257	5.52789	5.00605	4.73472	4.66178	4.68688	4.83653	4.89672
RPL10	13.1707	13.144	13.3531	12.5649	12.6605	12.4474	12.8313	12.4169	12.8084
LIMS3-LOC440895	6.62945	5.57667	5.76259	6.06386	6.03586	5.41922	5.75734	5.66695	5.67826
MIR4435-2HG	5.58838	5.07743	5.41374	6.11121	5.03143	5.59166	6.03301	6.69383	6.93252
CYTOR	8.5201	7.63327	8.63755	10.8898	9.53743	9.98994	9.91312	11.8988	10.5981
FAR2P1	3.16653	3.08648	3.14595	3.83979	6.27031	3.34384	3.56375	3.44132	2.9547
LOC646736	4.20819	4.04183	4.10508	4.35595	4.46851	5.70301	4.28651	4.48649	4.45517
LINC00963	7.29147	7.44129	7.668	6.53314	6.1209	6.03433	7.36606	6.35801	6.43957
AQP7P3	7.8072	6.36956	6.22397	4.96671	6.04163	4.49465	4.67719	5.88586	5.58418
MILR1	6.18507	6.12453	7.0783	6.87441	6.90925	6.16422	6.36603	6.14409	6.10991
LYPD8	5.63065	5.8678	5.77382	5.80275	6.08311	6.11485	5.44512	5.74242	5.71067
RPL31	7.65138	7.75105	8.28219	7.89596	8.50502	8.17961	8.15725	7.87817	7.89544
MIR564	9.12674	9.31493	8.86873	9.96581	10.1869	9.5588	8.64916	10.1638	9.66276
MIR194-2	7.15119	7.3735	7.76681	7.58849	7.47936	6.90541	7.20519	7.24119	7.05352
MIR761	3.47103	4.44475	3.98164	4.00199	4.75075	4.11569	3.56748	3.76161	4.34979
MIR711	5.51678	5.58837	5.35147	6.0258	6.09564	5.94251	6.24512	6.58391	5.94561
MIR3135A	7.28508	6.54144	6.8523	6.56151	7.86767	6.30089	5.89917	6.82109	7.48581
MIR3605	6.47892	7.05478	6.60427	6.72234	5.7348	5.90184	6.93746	6.86063	7.55392
PECAM1	7.52814	7.23708	8.10911	6.49358	4.69251	5.81945	6.94765	7.76425	7.35613
MIR4632	6.71997	6.74071	6.73638	7.75677	7.38466	9.05337	7.54174	7.86322	7.7381
MIR4641	8.57905	8.68119	8.72868	9.69725	9.82462	9.79764	8.96226	9.45739	9.3047
MIR4658	4.97939	4.99225	5.23252	6.20424	4.23588	5.57835	5.63045	5.85559	5.30011

MIR4417	6.85638	7.20526	7.28325	7.27221	9.08699	7.56683	6.85029	7.25097	7.82171
MIR4747	4.67632	4.43501	3.81744	5.42059	5.14294	5.31077	4.64719	4.53431	3.75642
MIR4453	7.47467	7.64426	7.94097	7.0213	6.90507	7.53861	7.19347	7.94168	7.32034
MIR4469	5.89833	6.09834	5.73717	6.98818	6.28105	7.68106	7.78345	7.21943	7.18583
MIR4793	6.12705	6.27959	6.01242	5.92399	7.15266	6.56785	6.19841	6.52849	6.47481
DUX5	6.16693	6.57142	6.62456	7.04839	7.94719	7.16728	6.64212	6.42402	7.08394
COPG2IT1	4.41745	4.3365	4.4969	4.14875	4.38971	3.65433	3.67561	3.78735	3.81583

DFS, diabetic foot skin; DFU, diabetic foot ulcer.

Supplementary Table 3. The Differential Gene Analysis Results of Dataset GSE80178 by NetworkAnalyst Website.

Gene	logFC	abslogfc	AveExpr	t	P.Value	adj.P.Val	B
KRT2	-6.117	6.117	9.6658	-11.18	3.29E-08	5.88E-06	9.3648
DCD	-5.374	5.374	7.382	-16.196	3.05E-10	5.54E-07	13.841
FLG2	-5.2061	5.2061	9.8333	-5.4225	0.000102	0.00091	1.249
pip	-4.6015	4.6015	7.0966	-12.008	1.36E-08	3.70E-06	10.232
TYRP1	-4.235	4.235	7.7941	-14.918	8.77E-10	9.75E-07	12.859
APOD	-4.1386	4.1386	7.9002	-10.11	1.12E-07	1.25E-05	8.1519
MIR3671	-4.1372	4.1372	5.7543	-9.4524	2.50E-07	2.08E-05	7.3481
IL37	-3.9935	3.9935	8.6101	-6.1537	2.92E-05	0.000404	2.5204
LCE1B	-3.8856	3.8856	8.601	-4.2517	0.000868	0.003826	-0.92762
MIR3942	-3.8569	3.8569	6.0384	-15.587	5.00E-10	6.85E-07	13.385
MIR548I2	-3.7698	3.7698	7.901	-4.5023	0.000541	0.002766	-0.4495
MIR548I3	-3.7317	3.7317	5.9865	-6.9876	7.70E-06	0.000168	3.8783
N4BP2L2-IT2	-3.6629	3.6629	8.5222	-8.6832	6.75E-07	3.66E-05	6.3466

ANGPTL1	-3.6619	3.6619	6.931	-8.697	6.63E-07	3.64E-05	6.3651
Lce6a	-3.5688	3.5688	9.8231	-4.3174	0.000766	0.00351	-0.80171
TEX9	-3.5105	3.5105	6.2812	-14.017	1.94E-09	1.41E-06	12.108
LCE1C	-3.4866	3.4866	9.6741	-4.2378	0.000891	0.00389	-0.9542
SYNPO2	-3.4408	3.4408	6.9198	-11.56	2.18E-08	5.00E-06	9.7701
LCE2B	-3.4037	3.4037	10.575	-3.7377	0.002333	0.007634	-1.9211
BMS1P5	-3.3687	3.3687	9.582	-8.3966	9.95E-07	4.63E-05	5.9555
ABHD12B	-3.3569	3.3569	7.407	-10.624	6.13E-08	8.75E-06	8.749
mir27b	-3.3157	3.3157	8.2283	-7.9004	1.99E-06	7.06E-05	5.2539
AADACL2	-3.3073	3.3073	7.9478	-6.5814	1.46E-05	0.000255	3.2291
CLDN10	-3.2865	3.2865	6.445	-16.626	2.18E-10	5.27E-07	14.152
FLG	-3.2659	3.2659	11.862	-4.9335	0.000244	0.001603	0.35889
MGP	-3.198	3.198	8.3974	-8.8024	5.76E-07	3.33E-05	6.5064
ZNF652	-3.1923	3.1923	8.7845	-12.981	5.13E-09	2.34E-06	11.178
LIFR	-3.173	3.173	6.4943	-10.643	6.00E-08	8.61E-06	8.7705
CHRD1	-3.139	3.139	6.4928	-8.2893	1.15E-06	5.10E-05	5.8065
NFIX	-3.1277	3.1277	8.8493	-8.5617	7.95E-07	3.97E-05	6.182
TMEM116	-3.12	3.12	7.3857	-10.671	5.81E-08	8.48E-06	8.8015
CFH	-3.1159	3.1159	7.3685	-7.3576	4.39E-06	0.000115	4.4495
NFIB	-3.1096	3.1096	9.2292	-10.092	1.14E-07	1.27E-05	8.1303
C3orf35	-3.0966	3.0966	7.7273	-12.05	1.30E-08	3.62E-06	10.274
LCE1A	-3.0697	3.0697	10.519	-4.3352	0.000741	0.003431	-0.76782
hal	-3.0692	3.0692	8.316	-4.6289	0.000427	0.00235	-0.21018
EEF2K	-3.0602	3.0602	8.1157	-8.3068	1.13E-06	5.02E-05	5.8308
PLLP	-3.0595	3.0595	8.2078	-15.735	4.43E-10	6.28E-07	13.498
SFRP2	-3.0202	3.0202	8.9858	-7.1541	5.97E-06	0.000141	4.1377

ANKRD36B	-3.0131	3.0131	7.6709	-9.0409	4.22E-07	2.78E-05	6.8209
ANXA9	-2.9974	2.9974	8.0896	-6.9715	7.89E-06	0.000171	3.853
MXRA5	-2.9848	2.9848	8.4716	-7.7027	2.64E-06	8.50E-05	4.9656
CCDC146	-2.9806	2.9806	7.1369	-14.868	9.16E-10	9.78E-07	12.819
CACHD1	-2.9662	2.9662	7.8696	-13.598	2.85E-09	1.68E-06	11.741
TTC21B	-2.9574	2.9574	7.2896	-13.136	4.41E-09	2.13E-06	11.323
MIR548V	-2.9537	2.9537	6.8892	-8.6952	6.65E-07	3.64E-05	6.3628
CHL1	-2.9034	2.9034	8.0844	-10.468	7.34E-08	9.68E-06	8.5698
TXNIP	-2.8811	2.8811	9.5997	-6.7128	1.18E-05	0.000223	3.4417
MIR4295	-2.8727	2.8727	7.2615	-5.0312	0.000204	0.00142	0.53909
SH3BP5-AS1	-2.8684	2.8684	7.2215	-8.6964	6.64E-07	3.64E-05	6.3643
MIR4451	-2.8632	2.8632	6.7962	-9.0293	4.28E-07	2.80E-05	6.8057
MIR95	-2.8618	2.8618	4.6115	-6.5938	1.43E-05	0.000252	3.2494
MIR4524A	-2.8498	2.8498	4.5187	-12.273	1.03E-08	3.26E-06	10.497
MKL2	-2.8433	2.8433	9.1957	-9.3151	2.97E-07	2.27E-05	7.1742
OMD	-2.8406	2.8406	6.3733	-7.8211	2.23E-06	7.61E-05	5.1389
MIR32	-2.8315	2.8315	6.8081	-13.931	2.10E-09	1.43E-06	12.034
NEO1	-2.8303	2.8303	8.6676	-9.2004	3.43E-07	2.46E-05	7.0275
KIT	-2.8217	2.8217	7.0478	-8.7637	6.07E-07	3.45E-05	6.4547
PLSCR4	-2.8207	2.8207	7.572	-10.159	1.05E-07	1.20E-05	8.21
LOC645513	-2.8159	2.8159	6.2222	-9.6304	2.00E-07	1.85E-05	7.5702
RPL23AP32	-2.7999	2.7999	7.0997	-5.7636	5.63E-05	0.000617	1.8513
nfe2l3	-2.7992	2.7992	6.8911	-7.37	4.31E-06	0.000114	4.4684
CYBRD1	-2.7683	2.7683	9.0011	-7.5325	3.39E-06	9.83E-05	4.7131
IL33	-2.7644	2.7644	6.6429	-4.7163	0.000363	0.002101	-0.04588
SRGAP2B	-2.7634	2.7634	8.6125	-9.1163	3.83E-07	2.63E-05	6.9189

GstT2	-2.7618	2.7618	6.9228	-4.5718	0.000475	0.002525	-0.31798
MIR553	-2.7565	2.7565	5.003	-11.294	2.90E-08	5.54E-06	9.4878
ZNF253	-2.7459	2.7459	6.8611	-8.7406	6.26E-07	3.52E-05	6.4238
FRG1HP	-2.7411	2.7411	7.1119	-10.898	4.50E-08	7.11E-06	9.0557
HNRNPU	-2.7351	2.7351	7.8007	-6.9634	7.99E-06	0.000172	3.8404
LRIG3	-2.7346	2.7346	8.1366	-7.5877	3.13E-06	9.35E-05	4.7954
MFAP4	-2.7169	2.7169	8.5662	-7.2211	5.39E-06	0.000132	4.241
DCN	-2.7073	2.7073	7.2978	-7.0978	6.50E-06	0.000149	4.0504
CXCL9	-2.6959	2.6959	6.0994	-4.9254	0.000247	0.00162	0.34384
LOR	-2.6954	2.6954	11.93	-3.5996	0.003052	0.009207	-2.1894
ANKRD36	-2.6912	2.6912	6.7711	-9.299	3.03E-07	2.29E-05	7.1537
mir23b	-2.6824	2.6824	8.3776	-13.173	4.26E-09	2.13E-06	11.357
SPARCL1	-2.6806	2.6806	8.3588	-6.5898	1.44E-05	0.000253	3.2429
GPR34	-2.6803	2.6803	6.2714	-6.158	2.90E-05	0.000403	2.5277
CTSK	-2.6717	2.6717	9.9704	-5.9017	4.45E-05	0.000531	2.0907
ca6	-2.6679	2.6679	7.1147	-8.2088	1.29E-06	5.48E-05	5.6937
LY75-CD302	-2.6626	2.6626	7.3327	-8.6015	7.53E-07	3.85E-05	6.2362
PHF3	-2.6539	2.6539	7.7288	-7.8147	2.25E-06	7.66E-05	5.1296
Mir568	-2.6309	2.6309	4.4103	-7.2797	4.94E-06	0.000124	4.3309
aadac	-2.6248	2.6248	6.9086	-5.0246	0.000207	0.001432	0.52693
MIR548L	-2.6244	2.6244	5.7741	-7.2622	5.07E-06	0.000126	4.3041
ARHGAP29	-2.6159	2.6159	7.2951	-8.9127	4.99E-07	3.08E-05	6.6526
BOC	-2.61	2.61	7.5343	-17.645	1.01E-10	3.28E-07	14.85
CDON	-2.5913	2.5913	7.0332	-10.592	6.36E-08	8.97E-06	8.7121
MIR644A	-2.5903	2.5903	7.6844	-4.3439	0.000729	0.003391	-0.75117
PGAP1	-2.5877	2.5877	8.353	-6.9215	8.53E-06	0.000179	3.7742

CDHR1	-2.5851	2.5851	9.3903	-9.3647	2.79E-07	2.21E-05	7.2373
CCDC80	-2.5847	2.5847	7.5844	-6.3639	2.07E-05	0.00032	2.8719
CD34	-2.5771	2.5771	9.0491	-5.3676	0.000112	0.00097	1.1506
PMS2P9	-2.5763	2.5763	7.2113	-8.0148	1.69E-06	6.45E-05	5.4185
C7	-2.573	2.573	6.5071	-6.2343	2.55E-05	0.000369	2.656
DAPL1	-2.5697	2.5697	9.2155	-4.0272	0.001333	0.005137	-1.3599
IFI44	-2.5658	2.5658	6.413	-9.6071	2.06E-07	1.88E-05	7.5413
FRZB	-2.5591	2.5591	6.753	-11.807	1.68E-08	4.36E-06	10.027
CDC14A	-2.5543	2.5543	7.402	-9.2484	3.23E-07	2.36E-05	7.0891
MIR573	-2.5446	2.5446	5.9083	-9.568	2.16E-07	1.91E-05	7.4927
DCLK1	-2.542	2.542	6.2323	-9.3846	2.72E-07	2.19E-05	7.2625
ADD3	-2.5416	2.5416	6.7847	-10.955	4.22E-08	6.83E-06	9.1194
ANTXR1	-2.5408	2.5408	9.1259	-5.9383	4.18E-05	0.000511	2.1536
MIR643	-2.5386	2.5386	4.4937	-11.669	1.94E-08	4.69E-06	9.884
PSMD6-AS2	-2.537	2.537	7.455	-10.762	5.24E-08	7.90E-06	8.9045
FGFR2	-2.5272	2.5272	8.1539	-9.5356	2.25E-07	1.96E-05	7.4523
TARBP1	-2.5146	2.5146	7.6228	-8.8174	5.65E-07	3.30E-05	6.5263
EPS8	-2.5121	2.5121	7.0153	-10.173	1.04E-07	1.19E-05	8.2265
ZC3H6	-2.5104	2.5104	7.9065	-14.824	9.51E-10	9.78E-07	12.784
PCDHB13	-2.5044	2.5044	6.7027	-5.7826	5.45E-05	0.000606	1.8844
SERTAD4	-2.5013	2.5013	7.6696	-8.1331	1.43E-06	5.84E-05	5.5869
NKTR	-2.4907	2.4907	8.2032	-5.5879	7.61E-05	0.000753	1.5431
Mir590	-2.4897	2.4897	7.3409	-4.0472	0.001283	0.004994	-1.3213
GLYATL2	-2.4855	2.4855	5.8912	-6.6987	1.21E-05	0.000227	3.419
MIR581	-2.4845	2.4845	5.7235	-6.4525	1.79E-05	0.00029	3.0182
SLIT3	-2.483	2.483	8.1596	-8.7596	6.10E-07	3.46E-05	6.4492

CTSO	-2.4714	2.4714	7.1102	-7.0434	7.07E-06	0.000158	3.9658
ZNF493	-2.4709	2.4709	5.9343	-11.243	3.07E-08	5.63E-06	9.4338
ZNF141	-2.4532	2.4532	6.8896	-10.345	8.46E-08	1.06E-05	8.4281
MIR221	-2.4461	2.4461	7.8105	-3.8305	0.001948	0.006728	-1.7409
HPGD	-2.4411	2.4411	7.5886	-5.7588	5.67E-05	0.000619	1.843
GAN	-2.4405	2.4405	9.7656	-6.9293	8.43E-06	0.000178	3.7866
MIR3685	-2.4398	2.4398	4.7274	-6.3383	2.16E-05	0.000329	2.8295
MIR99AHG	-2.4286	2.4286	6.1518	-10.415	7.80E-08	1.00E-05	8.5095
MAP4K3	-2.426	2.426	8.3452	-7.2124	5.46E-06	0.000133	4.2276
ZNF100	-2.42	2.42	6.6431	-9.7333	1.76E-07	1.69E-05	7.697
BBS2	-2.4181	2.4181	8.1568	-8.7847	5.90E-07	3.38E-05	6.4828
ARHGEF26	-2.4172	2.4172	7.2126	-8.5997	7.55E-07	3.86E-05	6.2337
BDNF-AS	-2.4136	2.4136	5.9792	-7.7207	2.58E-06	8.37E-05	4.992
SEPT7P2	-2.4117	2.4117	7.1399	-14.725	1.04E-09	1.04E-06	12.703
MIR570	-2.4022	2.4022	8.2222	-5.0788	0.000187	0.001342	0.62646
ARHGEF6	-2.3995	2.3995	6.4548	-10.85	4.75E-08	7.31E-06	9.0023
RIC3	-2.3947	2.3947	7.1441	-13.34	3.63E-09	1.91E-06	11.509
ATP13A4	-2.3912	2.3912	7.7426	-8.8721	5.26E-07	3.16E-05	6.599
PCDHB14	-2.3909	2.3909	7.6627	-5.6747	6.55E-05	0.000683	1.696
OCLM	-2.3748	2.3748	6.1588	-5.4943	8.96E-05	0.000837	1.3772
TFAP2B	-2.3735	2.3735	7.1082	-9.9801	1.31E-07	1.39E-05	7.9965
TMEM47	-2.3618	2.3618	8.3625	-6.1875	2.76E-05	0.00039	2.5774
SRSF11	-2.3587	2.3587	9.6749	-5.6564	6.76E-05	0.000697	1.6637
MIR708	-2.3533	2.3533	5.435	-6.9482	8.18E-06	0.000175	3.8163
MEOX2	-2.3528	2.3528	6.998	-10.85	4.74E-08	7.31E-06	9.0033
ARL6IP5	-2.3455	2.3455	9.2809	-6.7687	1.08E-05	0.000211	3.5314

TBC1D32	-2.3449	2.3449	5.9896	-12.318	9.89E-09	3.24E-06	10.541
ZNF280C	-2.3448	2.3448	7.3024	-6.9526	8.13E-06	0.000174	3.8233
CES4A	-2.3385	2.3385	7.5876	-7.0731	6.75E-06	0.000153	4.012
IGFL4	-2.3383	2.3383	6.6219	-8.0915	1.52E-06	6.04E-05	5.5278
ZNF383	-2.3371	2.3371	6.7281	-12.649	7.10E-09	2.85E-06	10.863
TSPAN7	-2.3362	2.3362	6.4254	-6.7877	1.05E-05	0.000207	3.5618
ZNF280D	-2.3302	2.3302	7.1	-9.3494	2.84E-07	2.22E-05	7.2179
Mir421	-2.3249	2.3249	8.1306	-5.4175	0.000102	0.000915	1.24
LRRCC1	-2.324	2.324	6.1217	-7.1495	6.01E-06	0.000142	4.1307
PTAR1	-2.3238	2.3238	8.5654	-8.8225	5.61E-07	3.29E-05	6.5331
RCOR3	-2.3233	2.3233	8.2846	-11.941	1.46E-08	3.92E-06	10.164
DPT	-2.3184	2.3184	8.0581	-5.348	0.000116	0.00099	1.1153
ZBTB41	-2.3059	2.3059	6.8888	-6.7754	1.07E-05	0.000209	3.5421
FBN1	-2.3058	2.3058	8.1961	-5.9275	4.26E-05	0.000516	2.1351
SRGAP2	-2.2927	2.2927	8.338	-11.542	2.22E-08	5.02E-06	9.7514
LONRF1	-2.2914	2.2914	8.3355	-8.0286	1.66E-06	6.36E-05	5.4383
DIAPH2	-2.2871	2.2871	7.9452	-5.0955	0.000182	0.00132	0.65712
LRRC39	-2.2838	2.2838	5.308	-11.094	3.61E-08	6.27E-06	9.2714
LOC100190986	-2.2828	2.2828	10.635	-4.6228	0.000432	0.002367	-0.22166
SPATA6	-2.2755	2.2755	6.8372	-16.024	3.50E-10	5.54E-07	13.714
HMG2	-2.2692	2.2692	6.2222	-11.546	2.21E-08	5.02E-06	9.7559
LRP4	-2.2644	2.2644	8.3498	-9.3458	2.85E-07	2.22E-05	7.2133
VCAN	-2.2614	2.2614	8.2602	-4.2418	0.000884	0.00387	-0.94665
ZBTB20	-2.2605	2.2605	7.5309	-12.496	8.27E-09	3.01E-06	10.716
ZKSCAN8	-2.2576	2.2576	6.6609	-13.056	4.77E-09	2.25E-06	11.249
NEK3	-2.2538	2.2538	7.0899	-10.352	8.39E-08	1.06E-05	8.4363

PMS2P2	-2.2533	2.2533	10.224	-13.892	2.18E-09	1.43E-06	12
RSL1D1	-2.2522	2.2522	9.3235	-4.4422	0.000605	0.002991	-0.5636
TMEM133	-2.2512	2.2512	7.0043	-7.7907	2.33E-06	7.81E-05	5.0945
PIBF1	-2.2449	2.2449	7.1639	-6.4913	1.68E-05	0.000277	3.082
GATA3	-2.2344	2.2344	7.9221	-6.5838	1.45E-05	0.000254	3.2331
SMC5	-2.232	2.232	7.9751	-5.3743	0.000111	0.000961	1.1627
KRT73	-2.2302	2.2302	6.5833	-7.3096	4.72E-06	0.00012	4.3765
HERC2P9	-2.2298	2.2298	8.7775	-9.831	1.56E-07	1.58E-05	7.8164
PROS1	-2.2256	2.2256	8.05	-7.7952	2.31E-06	7.78E-05	5.1012
MIR4742	-2.2253	2.2253	6.3081	-4.4539	0.000592	0.002946	-0.54149
BLMH	-2.2216	2.2216	9.8771	-4.8092	0.000306	0.001868	0.12781
IL7	-2.219	2.219	5.7302	-10.243	9.55E-08	1.14E-05	8.3081
DLEU2L	-2.2101	2.2101	5.0898	-5.5488	8.15E-05	0.000788	1.4738
IFI44L	-2.2082	2.2082	5.9988	-7.3605	4.37E-06	0.000115	4.454
atg2b	-2.2074	2.2074	8.6473	-5.4253	0.000101	0.000907	1.2541
ZNF507	-2.2048	2.2048	7.2673	-8.6568	7.00E-07	3.73E-05	6.311
ZNF480	-2.2047	2.2047	6.5681	-7.7282	2.55E-06	8.33E-05	5.0031
NAPEPLD	-2.1964	2.1964	6.2933	-7.8855	2.03E-06	7.14E-05	5.2324
C3	-2.1947	2.1947	7.8262	-7.4083	4.07E-06	0.00011	4.5264
MCM8	-2.1944	2.1944	6.9455	-9.4591	2.48E-07	2.07E-05	7.3564
JAM2	-2.1917	2.1917	6.9465	-6.9596	8.04E-06	0.000173	3.8343
ANKRD49	-2.1907	2.1907	7.0404	-8.0859	1.53E-06	6.06E-05	5.5199
ORMDL1	-2.1896	2.1896	8.3981	-6.7808	1.06E-05	0.000208	3.5507
ARHGAP42	-2.1774	2.1774	7.2226	-9.3002	3.02E-07	2.29E-05	7.1553
DPP4	-2.1764	2.1764	7.0321	-5.6807	6.48E-05	0.000678	1.7065
FHL5	-2.1744	2.1744	6.2009	-10.522	6.89E-08	9.43E-06	8.6326

CDKAL1	-2.1718	2.1718	8.0604	-8.6991	6.61E-07	3.64E-05	6.368
ZNF25	-2.1688	2.1688	6.5913	-11.064	3.73E-08	6.38E-06	9.2392
KLHDC1	-2.1644	2.1644	7.414	-8.9494	4.75E-07	2.99E-05	6.701
IDE	-2.1627	2.1627	11.042	-6.1582	2.90E-05	0.000403	2.528
CRTAP	-2.1616	2.1616	9.6718	-5.8967	4.49E-05	0.000533	2.082
RPGRIP1L	-2.1614	2.1614	5.9003	-8.8298	5.56E-07	3.29E-05	6.5429
LOC283299	-2.1591	2.1591	5.6795	-4.0843	0.001195	0.004754	-1.2497
CHD6	-2.1569	2.1569	7.8031	-12.347	9.60E-09	3.24E-06	10.57
ARID4A	-2.1566	2.1566	6.6804	-6.0349	3.56E-05	0.00046	2.3189
MIS18BP1	-2.1562	2.1562	7.401	-7.1165	6.32E-06	0.000146	4.0794
ETV6	-2.1501	2.1501	9.1086	-6.9354	8.35E-06	0.000177	3.7962
LRIG2	-2.1492	2.1492	8.2692	-6.644	1.32E-05	0.00024	3.3307
ANGEL2	-2.1459	2.1459	6.7162	-7.7748	2.38E-06	7.92E-05	5.0713
UTRN	-2.1457	2.1457	8.7811	-6.7755	1.07E-05	0.000209	3.5423
RAD50	-2.141	2.141	8.6659	-5.8575	4.79E-05	0.000558	2.0144
PIIP5K2	-2.1403	2.1403	7.856	-4.5346	0.000509	0.002647	-0.38825
GNPDA2	-2.1402	2.1402	7.5084	-4.5091	0.000534	0.00274	-0.4367
CEP290	-2.1383	2.1383	6.1475	-8.2079	1.29E-06	5.48E-05	5.6924
NP1PB5	-2.1354	2.1354	11.779	-6.5096	1.63E-05	0.000273	3.112
NFIA	-2.1314	2.1314	8.4922	-9.5636	2.17E-07	1.91E-05	7.4872
TFDP2	-2.1279	2.1279	7.83	-8.8238	5.60E-07	3.29E-05	6.5349
BCL11A	-2.1233	2.1233	7.5162	-8.2889	1.15E-06	5.10E-05	5.8058
MIR5047	-2.1231	2.1231	9.0216	-3.9044	0.001689	0.006084	-1.5976
LINC01554	-2.1215	2.1215	7.2465	-8.4868	8.80E-07	4.26E-05	6.0797
ENPP2	-2.1193	2.1193	7.8784	-6.9215	8.53E-06	0.000179	3.7743
CENPC	-2.1189	2.1189	7.3715	-8.4661	9.05E-07	4.35E-05	6.0513

PCDHB4	-2.1181	2.1181	6.3244	-9.9725	1.32E-07	1.40E-05	7.9874
PAN2	-2.1164	2.1164	7.3036	-11.052	3.78E-08	6.39E-06	9.2258
LIAS	-2.1159	2.1159	7.5297	-7.2244	5.36E-06	0.000132	4.2461
CLU	-2.1127	2.1127	7.1715	-5.5811	7.70E-05	0.000759	1.531
ICK	-2.1112	2.1112	8.1922	-7.8668	2.09E-06	7.26E-05	5.2053
PDCD4	-2.1099	2.1099	8.2304	-3.7589	0.002239	0.007415	-1.8799
PRR4	-2.1034	2.1034	6.6855	-12.624	7.27E-09	2.85E-06	10.84
DBT	-2.1034	2.1034	7.0455	-6.593	1.43E-05	0.000252	3.248
LINC01139	-2.1017	2.1017	6.419	-5.522	8.54E-05	0.00081	1.4263
BTC	-2.1016	2.1016	6.2924	-6.6341	1.34E-05	0.000241	3.3147
IFT74	-2.1004	2.1004	7.1933	-5.4379	9.89E-05	0.000893	1.2765
GATM	-2.1003	2.1003	7.1502	-5.4037	0.000105	0.000929	1.2153
L3MBTL4	-2.0986	2.0986	7.0792	-9.711	1.81E-07	1.72E-05	7.6696
HNRNPA1L2	-2.0984	2.0984	5.6122	-7.1719	5.81E-06	0.000138	4.1652
PSIP1	-2.0973	2.0973	6.4661	-8.3094	1.12E-06	5.02E-05	5.8345
CHD9	-2.0919	2.0919	9.0361	-5.6852	6.43E-05	0.000675	1.7144
UGGT2	-2.0909	2.0909	6.6303	-6.6301	1.35E-05	0.000242	3.3082
PCDH18	-2.0887	2.0887	7.6418	-5.8245	5.07E-05	0.000579	1.9572
LRCH1	-2.0878	2.0878	8.5221	-7.3053	4.75E-06	0.000121	4.3701
LUC7L3	-2.0799	2.0799	8.095	-4.9874	0.000221	0.001499	0.45844
CHPT1	-2.0795	2.0795	7.1627	-13.125	4.46E-09	2.13E-06	11.312
KIAA0825	-2.0744	2.0744	6.7668	-11.462	2.42E-08	5.12E-06	9.6675
MAP1B	-2.0738	2.0738	8.2415	-6.796	1.04E-05	0.000205	3.5751
TIA1	-2.0718	2.0718	7.3054	-5.5272	8.46E-05	0.000806	1.4355
DPH6	-2.0709	2.0709	7.1091	-10.568	6.54E-08	9.11E-06	8.6848
EBF1	-2.0702	2.0702	7.5136	-12.028	1.33E-08	3.65E-06	10.252

MAGOHB	-2.0702	2.0702	5.7271	-9.4479	2.51E-07	2.09E-05	7.3424
PM20D2	-2.0702	2.0702	7.3123	-6.4835	1.70E-05	0.00028	3.0692
LOC100506124	-2.0693	2.0693	6.3313	-12.873	5.69E-09	2.52E-06	11.077
ptger3	-2.0692	2.0692	6.1723	-8.5772	7.79E-07	3.93E-05	6.2031
FKSG29	-2.0633	2.0633	7.9466	-7.9182	1.94E-06	7.00E-05	5.2797
PROSER1	-2.063	2.063	8.5595	-6.6878	1.23E-05	0.000229	3.4015
UBN2	-2.0599	2.0599	8.1958	-6.8125	1.01E-05	0.000202	3.6013
NEPRO	-2.0535	2.0535	7.4836	-9.279	3.11E-07	2.32E-05	7.1282
MIRLET7C	-2.052	2.052	5.3872	-7.4823	3.65E-06	0.000103	4.6378
TLR3	-2.0509	2.0509	5.9979	-10.271	9.23E-08	1.11E-05	8.3416
SESN1	-2.0501	2.0501	6.9679	-9.6147	2.04E-07	1.87E-05	7.5507
OPHN1	-2.049	2.049	7.2004	-7.249	5.17E-06	0.000128	4.2838
FGF7	-2.0477	2.0477	6.708	-9.3504	2.84E-07	2.22E-05	7.2192
NYNRIN	-2.0472	2.0472	7.1834	-9.2955	3.04E-07	2.30E-05	7.1492
TCF4	-2.0411	2.0411	9.0818	-5.8186	5.12E-05	0.000583	1.947
PHC3	-2.0406	2.0406	8.3882	-7.9122	1.96E-06	7.03E-05	5.271
PARM1	-2.0404	2.0404	8.1337	-8.6843	6.74E-07	3.66E-05	6.3481
ROR1	-2.0388	2.0388	7.1881	-8.7194	6.44E-07	3.58E-05	6.3953
GTF2IRD2P1	-2.0325	2.0325	7.2779	-8.0687	1.57E-06	6.13E-05	5.4954
MIR4796	-2.0305	2.0305	4.9892	-6.6423	1.32E-05	0.00024	3.328
MIR505	-2.0279	2.0279	5.7766	-7.1942	5.62E-06	0.000136	4.1997
PAXBP1	-2.0277	2.0277	7.7354	-6.0755	3.32E-05	0.00044	2.3881
CTPS2	-2.0272	2.0272	7.0986	-10.022	1.24E-07	1.33E-05	8.047
GEN1	-2.0251	2.0251	7.1226	-6.3414	2.14E-05	0.000328	2.8347
MIR597	-2.0221	2.0221	6.5518	-7.5814	3.15E-06	9.41E-05	4.786
MDM4	-2.0219	2.0219	8.4879	-8.1656	1.37E-06	5.69E-05	5.6328

NHLRC2	-2.0211	2.0211	8.5293	-4.8366	0.000291	0.001805	0.17901
NRN1	-2.0209	2.0209	7.8348	-7.8375	2.18E-06	7.50E-05	5.1627
map2k5	-2.018	2.018	7.1721	-9.6123	2.04E-07	1.87E-05	7.5477
ANKRD44	-2.0175	2.0175	6.1182	-14.241	1.59E-09	1.28E-06	12.3
SENP6	-2.0174	2.0174	8.2229	-5.2251	0.000144	0.001132	0.8934
KRT77	-2.0167	2.0167	6.399	-10.146	1.07E-07	1.21E-05	8.1946
TNRC6B	-2.0158	2.0158	8.1728	-7.41	4.06E-06	0.00011	4.5289
ACER1	-2.0147	2.0147	10.028	-5.2983	0.000126	0.001043	1.0259
PA2G4P4	-2.0146	2.0146	5.2638	-6.7363	1.14E-05	0.000218	3.4795
APEX1	-2.0143	2.0143	8.7487	-5.4527	9.63E-05	0.000877	1.3029
FAXDC2	-2.0137	2.0137	6.8988	-9.2877	3.07E-07	2.31E-05	7.1394
C10orf113	-2.0107	2.0107	5.3957	-10.785	5.10E-08	7.75E-06	8.9301
PHF14	-2.0078	2.0078	7.2301	-7.5193	3.46E-06	9.97E-05	4.6933
EML4	-2.0049	2.0049	9.2917	-5.7391	5.87E-05	0.000631	1.8087
TOP2B	-2.0019	2.0019	8.5843	-4.2035	0.000951	0.004072	-1.0201
PNISR	-2.0016	2.0016	8.9051	-8.039	1.63E-06	6.32E-05	5.453
CEP162	-1.9984	1.9984	5.7832	-8.8212	5.62E-07	3.29E-05	6.5313
ZNF718	-1.9963	1.9963	7.0255	-11.916	1.50E-08	3.95E-06	10.138
CREBRF	-1.9917	1.9917	7.0945	-11.026	3.90E-08	6.44E-06	9.1974
TBCK	-1.9911	1.9911	7.6573	-6.1451	2.96E-05	0.000408	2.5058
MBTD1	-1.991	1.991	7.5918	-8.2992	1.14E-06	5.06E-05	5.8202
PCMTD2	-1.9895	1.9895	9.3899	-6.6994	1.21E-05	0.000227	3.4201
ATF7IP	-1.9893	1.9893	7.8317	-6.0526	3.45E-05	0.000451	2.3491
KAT6B	-1.9864	1.9864	8.0826	-9.5158	2.31E-07	1.98E-05	7.4275
NAF1	-1.9833	1.9833	7.1136	-9.6834	1.87E-07	1.77E-05	7.6357
CNTNAP3	-1.9805	1.9805	7.5047	-5.385	0.000109	0.000949	1.1819

ZNF767P	-1.9802	1.9802	8.0578	-9.5311	2.26E-07	1.96E-05	7.4466
HIBCH	-1.9795	1.9795	7.348	-6.8481	9.56E-06	0.000194	3.6581
MIR1290	-1.9763	1.9763	7.0195	-5.6989	6.28E-05	0.000663	1.7383
HMCN1	-1.9758	1.9758	7.1641	-6.0667	3.37E-05	0.000444	2.3731
HNRNPA1	-1.974	1.974	8.4138	-8.5583	7.99E-07	3.98E-05	6.1774
MCOLN3	-1.9731	1.9731	6.5154	-6.9716	7.89E-06	0.000171	3.8531
DENND4C	-1.9722	1.9722	8.1717	-6.3093	2.26E-05	0.000339	2.7813
GTF2IRD2	-1.9674	1.9674	7.2727	-9.9351	1.38E-07	1.43E-05	7.9425
SAMD9L	-1.9657	1.9657	6.7015	-10.707	5.58E-08	8.19E-06	8.8427
OLFM2	-1.9628	1.9628	9.4726	-8.4089	9.78E-07	4.58E-05	5.9724
LRRC37B	-1.9625	1.9625	6.627	-6.9775	7.82E-06	0.00017	3.8625
FGL2	-1.9621	1.9621	7.8196	-6.0991	3.19E-05	0.000429	2.4281
CEP126	-1.96	1.96	6.6904	-8.8814	5.19E-07	3.14E-05	6.6112
MED1	-1.9583	1.9583	9.1408	-4.8579	0.00028	0.00176	0.21855
EMB	-1.9576	1.9576	7.6649	-7.8946	2.01E-06	7.09E-05	5.2455
Irp6	-1.9565	1.9565	7.8013	-8.1351	1.43E-06	5.83E-05	5.5896
CHP2	-1.956	1.956	7.6039	-5.9281	4.25E-05	0.000516	2.1361
NBEA	-1.9556	1.9556	6.2322	-9.5428	2.23E-07	1.94E-05	7.4613
CP	-1.9541	1.9541	5.4846	-5.7036	6.23E-05	0.000659	1.7466
NHLRC3	-1.9528	1.9528	6.6161	-9.0672	4.08E-07	2.74E-05	6.8551
SFPQ	-1.9523	1.9523	8.5645	-7.1099	6.38E-06	0.000147	4.0692
DTWD1	-1.9517	1.9517	6.3914	-6.1595	2.89E-05	0.000402	2.5302
NEB	-1.951	1.951	7.0595	-4.938	0.000242	0.001593	0.36712
HSPBAP1	-1.9508	1.9508	7.0144	-9.3001	3.02E-07	2.29E-05	7.1552
DCAF16	-1.9503	1.9503	8.7032	-6.001	3.76E-05	0.000477	2.2611
EPB41L2	-1.95	1.95	7.1466	-9.1853	3.50E-07	2.48E-05	7.008

CLYBL	-1.95	1.95	6.0552	-7.1493	6.01E-06	0.000142	4.1303
ARHGEF9	-1.9483	1.9483	7.5646	-13.232	4.03E-09	2.07E-06	11.411
NVL	-1.9472	1.9472	6.9361	-7.9939	1.74E-06	6.55E-05	5.3885
SPATA5	-1.9448	1.9448	7.3776	-8.0064	1.71E-06	6.48E-05	5.4064
ZNF704	-1.9434	1.9434	7.3264	-10.431	7.66E-08	9.90E-06	8.527
TMEM237	-1.9432	1.9432	8.4117	-6.6415	1.32E-05	0.00024	3.3266
HERC6	-1.9424	1.9424	7.2637	-6.7979	1.03E-05	0.000205	3.5781
CPM	-1.942	1.942	7.9502	-5.6758	6.54E-05	0.000682	1.6979
ASPA	-1.9409	1.9409	5.5811	-5.4864	9.08E-05	0.000844	1.363
PDGFD	-1.94	1.94	6.6562	-8.1432	1.41E-06	5.79E-05	5.6011
NSRP1	-1.9374	1.9374	7.7258	-5.8141	5.16E-05	0.000585	1.9392
PTBP2	-1.9359	1.9359	7.8594	-8.257	1.21E-06	5.26E-05	5.7613
AQP9	-1.9352	1.9352	8.275	-4.8764	0.00027	0.001718	0.25296
EFCAB7	-1.9341	1.9341	6.0747	-9.4078	2.64E-07	2.14E-05	7.2918
PEX1	-1.9339	1.9339	7.4444	-7.5769	3.17E-06	9.45E-05	4.7794
LINC00630	-1.9317	1.9317	7.095	-7.6492	2.86E-06	8.87E-05	4.8866
PACRGL	-1.931	1.931	6.7715	-10.512	6.97E-08	9.47E-06	8.6208
MIR604	-1.9304	1.9304	8.096	-5.5373	8.31E-05	0.000799	1.4535
NPIPA1	-1.9301	1.9301	9.2479	-10.656	5.91E-08	8.56E-06	8.7853
MIR1270	-1.9301	1.9301	5.113	-6.6355	1.34E-05	0.000241	3.317
MTR	-1.9253	1.9253	8.3292	-9.9206	1.40E-07	1.45E-05	7.9249
VWA8	-1.9235	1.9235	7.5888	-6.9686	7.93E-06	0.000171	3.8485
MGC27345	-1.9233	1.9233	7.5422	-7.9569	1.84E-06	6.78E-05	5.3354
ELMOD1	-1.921	1.921	8.4178	-4.97	0.000228	0.001532	0.42628
KAT7	-1.9204	1.9204	7.875	-7.302	4.77E-06	0.000121	4.365
AKAP9	-1.9202	1.9202	8.3038	-5.3693	0.000112	0.000968	1.1537

IQCB1	-1.9182	1.9182	6.887	-6.8849	9.03E-06	0.000187	3.7164
ZNF790-AS1	-1.9179	1.9179	6.5683	-7.6358	2.91E-06	8.97E-05	4.8668
OGN	-1.9177	1.9177	6.2367	-5.5776	7.75E-05	0.000762	1.525
PNPLA3	-1.9171	1.9171	7.5396	-5.8744	4.66E-05	0.000547	2.0436
ZNF484	-1.9153	1.9153	6.4837	-8.8558	5.37E-07	3.22E-05	6.5773
LINC00893	-1.915	1.915	7.0429	-7.1312	6.18E-06	0.000144	4.1023
KIAA0586	-1.9132	1.9132	7.8535	-7.8746	2.06E-06	7.21E-05	5.2166
ZNF506	-1.9131	1.9131	7.0071	-8.7672	6.04E-07	3.44E-05	6.4594
NMNAT3	-1.9128	1.9128	6.7606	-9.5721	2.15E-07	1.91E-05	7.4977
KAT2A	-1.9096	1.9096	8.3317	-9.0828	4.00E-07	2.69E-05	6.8754
INTS4	-1.9079	1.9079	7.5994	-6.5399	1.56E-05	0.000266	3.1616
CEP120	-1.9045	1.9045	6.7652	-10.193	1.01E-07	1.17E-05	8.2493
TSPYL2	-1.9037	1.9037	6.4963	-7.3225	4.63E-06	0.000119	4.3961
LHFP	-1.9025	1.9025	8.4464	-6.6861	1.23E-05	0.000229	3.3988
BBS5	-1.901	1.901	6.7925	-8.6373	7.18E-07	3.77E-05	6.2847
C5orf46	-1.8962	1.8962	6.9222	-7.2489	5.17E-06	0.000128	4.2838
YBX3	-1.8961	1.8961	7.6763	-5.8687	4.70E-05	0.000552	2.0337
GTF2I	-1.8958	1.8958	8.4499	-6.2186	2.62E-05	0.000375	2.6297
FBLN5	-1.8915	1.8915	7.5654	-4.9701	0.000228	0.001532	0.42653
SPG11	-1.891	1.891	8.4041	-5.7245	6.01E-05	0.000643	1.7832
ZBTB7C	-1.8904	1.8904	6.7299	-5.9939	3.81E-05	0.000481	2.249
TMEM50B	-1.8879	1.8879	7.3677	-11.394	2.60E-08	5.27E-06	9.5951
POLK	-1.8858	1.8858	6.4743	-5.9411	4.16E-05	0.00051	2.1584
N4BP2L2	-1.8845	1.8845	8.5166	-9.4045	2.65E-07	2.15E-05	7.2876
GXYLT2	-1.8841	1.8841	6.9278	-5.6823	6.47E-05	0.000677	1.7093
LOC389765	-1.8812	1.8812	6.6073	-6.5063	1.64E-05	0.000274	3.1067

ATRX	-1.88	1.88	7.5195	-5.1161	0.000175	0.001287	0.69473
PRKD3	-1.8777	1.8777	7.149	-10.818	4.92E-08	7.51E-06	8.9674
NKAPP1	-1.8762	1.8762	5.3505	-5.667	6.64E-05	0.000689	1.6823
HLF	-1.8734	1.8734	8.1483	-9.4081	2.64E-07	2.14E-05	7.2922
PPT1	-1.8728	1.8728	8.3141	-5.6637	6.68E-05	0.000692	1.6765
CLDN8	-1.8698	1.8698	5.5544	-7.7734	2.39E-06	7.93E-05	5.0693
VPS13C	-1.8681	1.8681	7.9184	-5.0606	0.000194	0.001369	0.59305
SP100	-1.8665	1.8665	8.2427	-12.339	9.68E-09	3.24E-06	10.563
RNF180	-1.8664	1.8664	6.6363	-9.2157	3.37E-07	2.43E-05	7.0472
DCAKD	-1.8654	1.8654	7.9901	-10.468	7.34E-08	9.68E-06	8.5699
RBM26	-1.8634	1.8634	7.5024	-5.6348	7.02E-05	0.000714	1.6259
CEP44	-1.8534	1.8534	6.2907	-10.472	7.30E-08	9.68E-06	8.5752
HMBOX1	-1.8518	1.8518	7.5167	-8.0022	1.72E-06	6.48E-05	5.4005
LOC202181	-1.851	1.851	7.2548	-11.322	2.81E-08	5.48E-06	9.5183
fktn	-1.8507	1.8507	6.5645	-5.707	6.20E-05	0.000656	1.7526
TTC14	-1.8503	1.8503	7.2167	-8.838	5.50E-07	3.26E-05	6.5537
VAV3	-1.8474	1.8474	6.9947	-8.9094	5.01E-07	3.09E-05	6.6483
c9orf3	-1.845	1.845	7.2718	-11.651	1.98E-08	4.75E-06	9.8653
SEPSECS-AS1	-1.8445	1.8445	6.6566	-8.0283	1.66E-06	6.36E-05	5.4377
SENP1	-1.8378	1.8378	8.2981	-11.2	3.21E-08	5.80E-06	9.387
MSH5	-1.8354	1.8354	7.5251	-11.614	2.06E-08	4.84E-06	9.8268
NOSTRIN	-1.8353	1.8353	6.4588	-7.9536	1.84E-06	6.80E-05	5.3306
ZNF184	-1.8341	1.8341	7.245	-10.092	1.14E-07	1.27E-05	8.1299
WDR19	-1.8332	1.8332	7.0919	-8.612	7.43E-07	3.84E-05	6.2504
ZNF708	-1.8327	1.8327	5.8686	-8.6839	6.75E-07	3.66E-05	6.3476
RPRD2	-1.8318	1.8318	8.4454	-5.7344	5.91E-05	0.000635	1.8004

LINC01278	-1.8315	1.8315	7.3494	-7.2842	4.90E-06	0.000124	4.3378
NUTM2A-AS1	-1.8313	1.8313	6.6952	-10.055	1.19E-07	1.29E-05	8.0864
EMCN	-1.8307	1.8307	6.891	-6.8135	1.01E-05	0.000202	3.6029
RGS5	-1.8303	1.8303	6.7195	-9.9567	1.34E-07	1.41E-05	7.9684
MIR4504	-1.829	1.829	5.5784	-6.4861	1.70E-05	0.000279	3.0735
ZNF33A	-1.8254	1.8254	6.7953	-10.414	7.81E-08	1.00E-05	8.508
ANKMY2	-1.8254	1.8254	6.5891	-7.4038	4.10E-06	0.00011	4.5197
SCPEP1	-1.8253	1.8253	8.0529	-6.0979	3.20E-05	0.00043	2.4261
ZNF791	-1.8251	1.8251	7.6066	-6.8327	9.79E-06	0.000197	3.6336
ZNF260	-1.8248	1.8248	7.6756	-8.685	6.74E-07	3.66E-05	6.3491
CDNF	-1.8244	1.8244	7.28	-9.9581	1.34E-07	1.41E-05	7.9702
MED23	-1.8239	1.8239	8.5224	-6.564	1.50E-05	0.000259	3.2008
CROT	-1.8233	1.8233	7.4485	-6.0425	3.51E-05	0.000457	2.3318
TIGD1	-1.8228	1.8228	7.4709	-7.6485	2.86E-06	8.87E-05	4.8856
tmem150c	-1.8226	1.8226	6.7714	-5.8354	4.98E-05	0.000572	1.9762
FNBP4	-1.8215	1.8215	9.1613	-6.2462	2.51E-05	0.000363	2.676
TOPBP1	-1.8197	1.8197	8.1041	-6.9852	7.73E-06	0.000168	3.8746
SLF1	-1.8193	1.8193	5.8252	-7.9037	1.98E-06	7.06E-05	5.2588
SAMHD1	-1.8186	1.8186	6.9925	-5.3198	0.000122	0.001019	1.0647
ZNF302	-1.818	1.818	6.4002	-6.3924	1.97E-05	0.000311	2.9192
WDR7	-1.815	1.815	8.0301	-6.1035	3.17E-05	0.000427	2.4355
ZNF680	-1.8149	1.8149	6.9547	-7.7443	2.49E-06	8.20E-05	5.0266
FAAH2	-1.8141	1.8141	6.5541	-6.2776	2.38E-05	0.000351	2.7285
MYCT1	-1.8133	1.8133	7.1252	-6.227	2.59E-05	0.000372	2.6438
ANTXR2	-1.813	1.813	8.2499	-5.14	0.000168	0.001253	0.73849
NEMP1	-1.8092	1.8092	7.4422	-7.9297	1.91E-06	6.94E-05	5.2962

THUMPD2	-1.8081	1.8081	7.0483	-7.1142	6.34E-06	0.000146	4.0759
MTERF2	-1.8079	1.8079	6.7036	-6.6652	1.27E-05	0.000235	3.365
ZBTB39	-1.8078	1.8078	7.2676	-7.4265	3.96E-06	0.000108	4.5538
CLDN10-AS1	-1.807	1.807	5.648	-5.1264	0.000172	0.00127	0.7135
ZNF33B	-1.8047	1.8047	7.1672	-8.8062	5.74E-07	3.33E-05	6.5115
INTS6L	-1.8027	1.8027	6.9253	-6.1961	2.72E-05	0.000385	2.5919
TSHZ2	-1.8014	1.8014	7.7884	-8.2125	1.28E-06	5.46E-05	5.6988
AHI1	-1.8006	1.8006	7.1801	-6.0573	3.43E-05	0.000449	2.357
LOC389906	-1.8003	1.8003	6.4417	-6.5897	1.44E-05	0.000253	3.2427
eif2ak2	-1.7997	1.7997	7.6206	-4.9107	0.000254	0.001647	0.31662
MYLIP	-1.7986	1.7986	7.6021	-7.1352	6.14E-06	0.000143	4.1085
ppwd1	-1.7984	1.7984	8.061	-5.9017	4.45E-05	0.000531	2.0907
KCTD12	-1.798	1.798	7.8869	-5.3906	0.000107	0.000944	1.1919
NPY1R	-1.7978	1.7978	6.1008	-5.0502	0.000197	0.001386	0.57402
LUC7L	-1.7976	1.7976	7.1942	-6.8359	9.74E-06	0.000197	3.6387
GPC3	-1.7975	1.7975	6.2226	-7.0994	6.49E-06	0.000149	4.053
c8orf37	-1.7967	1.7967	6.552	-10.939	4.29E-08	6.90E-06	9.1016
CADPS2	-1.7962	1.7962	6.6046	-13.162	4.31E-09	2.13E-06	11.346
KLRA1P	-1.7947	1.7947	6.531	-10.642	6.01E-08	8.61E-06	8.7688
ZNF667-AS1	-1.7879	1.7879	7.2356	-6.316	2.24E-05	0.000336	2.7924
ZNF521	-1.7849	1.7849	7.3187	-7.3632	4.36E-06	0.000115	4.4582
PIIG	-1.7848	1.7848	7.3539	-5.0935	0.000182	0.001322	0.65336
CA13	-1.7845	1.7845	7.0369	-7.9809	1.77E-06	6.62E-05	5.3698
GABPB1-AS1	-1.7842	1.7842	6.6163	-5.2276	0.000143	0.001128	0.89782
c3orf52	-1.7832	1.7832	8.221	-5.8849	4.58E-05	0.00054	2.0616
PODN	-1.7805	1.7805	7.4388	-7.3762	4.27E-06	0.000114	4.4779

PCM1	-1.7799	1.7799	8.8079	-5.4767	9.24E-05	0.000853	1.3459
ZNF766	-1.7797	1.7797	6.9345	-6.1356	3.01E-05	0.000413	2.4898
ALG13	-1.7796	1.7796	7.5877	-7.5107	3.50E-06	0.0001	4.6805
LYPD6B	-1.7792	1.7792	7.2468	-9.4131	2.62E-07	2.14E-05	7.2986
COA5	-1.7786	1.7786	6.6624	-9.5672	2.16E-07	1.91E-05	7.4917
GPR52	-1.7777	1.7777	7.3316	-5.9965	3.79E-05	0.00048	2.2533
A2M	-1.7768	1.7768	9.3392	-4.869	0.000274	0.001736	0.23914
cxorf23	-1.7751	1.7751	7.0358	-6.5917	1.43E-05	0.000252	3.2459
MLANA	-1.7748	1.7748	6.424	-8.8806	5.20E-07	3.14E-05	6.6103
BBS9	-1.7744	1.7744	6.178	-9.8739	1.48E-07	1.52E-05	7.8684
THOC1	-1.7735	1.7735	7.6399	-5.5755	7.78E-05	0.000764	1.5211
IQGAP2	-1.7716	1.7716	6.4541	-7.4448	3.86E-06	0.000107	4.5815
PDZD2	-1.7714	1.7714	7.4284	-8.0744	1.55E-06	6.11E-05	5.5035
LRRK2	-1.771	1.771	6.429	-6.4173	1.90E-05	0.000303	2.9603
ZEB1	-1.7705	1.7705	6.9388	-6.6972	1.21E-05	0.000227	3.4166
KITLG	-1.7703	1.7703	6.701	-5.6476	6.86E-05	0.000704	1.6484
BMS1P4	-1.7626	1.7626	6.1331	-10.532	6.82E-08	9.40E-06	8.6434
KNTC1	-1.761	1.761	7.0503	-9.4791	2.41E-07	2.03E-05	7.3816
LINC00312	-1.7606	1.7606	6.0623	-6.5108	1.63E-05	0.000273	3.114
HMGB1	-1.7603	1.7603	7.4171	-11.63	2.02E-08	4.80E-06	9.8435
IGF1	-1.7592	1.7592	7.2315	-12.3	1.01E-08	3.24E-06	10.524
MIR651	-1.7567	1.7567	3.2472	-6.164	2.87E-05	0.0004	2.5377
ZNF570	-1.7564	1.7564	6.4131	-9.6722	1.90E-07	1.79E-05	7.6218
cep83	-1.754	1.754	6.7252	-10.45	7.49E-08	9.74E-06	8.55
RUFY3	-1.7521	1.7521	8.4243	-8.1452	1.41E-06	5.79E-05	5.6039
nfic	-1.7521	1.7521	9.2557	-5.9021	4.45E-05	0.000531	2.0913

ARSG	-1.7518	1.7518	7.27	-12.601	7.44E-09	2.86E-06	10.817
ARNTL	-1.7504	1.7504	8.0354	-6.8862	9.01E-06	0.000187	3.7184
HPGDS	-1.7503	1.7503	6.3668	-5.1386	0.000168	0.001255	0.73588
SP4	-1.7485	1.7485	6.9182	-9.8262	1.57E-07	1.58E-05	7.8105
IRAK1BP1	-1.7476	1.7476	5.9316	-7.3295	4.58E-06	0.000118	4.4068
IFT80	-1.7469	1.7469	6.7267	-7.7766	2.38E-06	7.91E-05	5.0739
HACD3	-1.746	1.746	7.7851	-6.9223	8.52E-06	0.000179	3.7755
GLCCI1	-1.7437	1.7437	6.3965	-9.7797	1.66E-07	1.63E-05	7.7539
ZNF626	-1.7429	1.7429	7.566	-10.217	9.84E-08	1.15E-05	8.2786
TNS1	-1.7429	1.7429	7.3733	-8.7614	6.09E-07	3.46E-05	6.4515
TCTN3	-1.7428	1.7428	8.1726	-5.0955	0.000182	0.00132	0.65706
RWDD2B	-1.7411	1.7411	6.6956	-7.4157	4.03E-06	0.000109	4.5376
GPR155	-1.7406	1.7406	8.2464	-5.1619	0.000161	0.001222	0.77845
SLURP1	-1.7402	1.7402	11.538	-5.2176	0.000146	0.001144	0.87969
FOXP2	-1.7369	1.7369	7.2923	-8.4126	9.73E-07	4.56E-05	5.9776
NMRAL2P	-1.7362	1.7362	7.1527	-6.8584	9.41E-06	0.000192	3.6744
CMC1	-1.7361	1.7361	5.9933	-7.5189	3.46E-06	9.97E-05	4.6928
TYR	-1.7345	1.7345	6.5828	-5.6071	7.36E-05	0.000737	1.577
MIR580	-1.7325	1.7325	3.6755	-4.9274	0.000246	0.001616	0.3476
PHF12	-1.7307	1.7307	7.666	-7.1122	6.36E-06	0.000146	4.0728
PON3	-1.7301	1.7301	6.0875	-5.847	4.88E-05	0.000564	1.9961
ZNF318	-1.7293	1.7293	7.5194	-12.234	1.08E-08	3.31E-06	10.458
SH3RF2	-1.7292	1.7292	10.155	-6.4711	1.74E-05	0.000284	3.0489
ZNF436	-1.7289	1.7289	7.8435	-5.3153	0.000123	0.001024	1.0565
POT1	-1.7279	1.7279	6.4691	-7.6579	2.82E-06	8.80E-05	4.8995
ANKRD10	-1.7261	1.7261	7.8719	-5.2225	0.000145	0.001136	0.88855

SCML1	-1.7243	1.7243	5.8171	-6.0479	3.48E-05	0.000454	2.3411
CLK4	-1.7236	1.7236	7.5453	-9.5214	2.29E-07	1.98E-05	7.4345
HPS3	-1.7234	1.7234	8.3154	-9.1017	3.90E-07	2.65E-05	6.9
ZNF43	-1.7222	1.7222	7.1152	-9.303	3.01E-07	2.29E-05	7.1588
PPIL4	-1.7216	1.7216	7.2106	-5.914	4.36E-05	0.000524	2.1119
PAIP2B	-1.7198	1.7198	7.6075	-5.3877	0.000108	0.000947	1.1867
CCDC125	-1.7179	1.7179	7.5791	-7.3711	4.30E-06	0.000114	4.4701
SMIM8	-1.7173	1.7173	6.5641	-6.5312	1.58E-05	0.000268	3.1474
ELMO1	-1.7164	1.7164	6.8391	-6.3291	2.19E-05	0.000332	2.8143
GATAD1	-1.7155	1.7155	7.7058	-7.9062	1.97E-06	7.06E-05	5.2624
STK32A	-1.7141	1.7141	6.1238	-7.3615	4.37E-06	0.000115	4.4555
DMTF1	-1.7141	1.7141	8.4786	-5.7441	5.82E-05	0.000628	1.8173
DST	-1.713	1.713	8.0512	-5.7733	5.53E-05	0.000612	1.8682
KAT6A	-1.7129	1.7129	8.6564	-8.8084	5.72E-07	3.32E-05	6.5144
MRE11	-1.7115	1.7115	6.9994	-8.8056	5.74E-07	3.33E-05	6.5106
ZBTB44	-1.7101	1.7101	8.623	-6.5081	1.64E-05	0.000274	3.1096
DPYD	-1.7071	1.7071	7.092	-5.975	3.93E-05	0.000491	2.2166
FNDC3A	-1.7057	1.7057	7.5332	-5.2298	0.000143	0.001125	0.90178
CENPP	-1.7043	1.7043	7.773	-6.7195	1.17E-05	0.000222	3.4525
KANSL1L	-1.7042	1.7042	6.7599	-9.6606	1.93E-07	1.80E-05	7.6075
USP33	-1.7	1.7	6.886	-4.9224	0.000249	0.001626	0.33831
TMEM168	-1.6989	1.6989	7.9338	-5.1042	0.000179	0.001304	0.67297
PMEL	-1.695	1.695	7.3135	-5.9799	3.90E-05	0.000489	2.2249
PUS7L	-1.6947	1.6947	7	-4.8561	0.000281	0.001765	0.21517
MIR3973	-1.6899	1.6899	6.3991	-6.5095	1.63E-05	0.000273	3.1119
MRPL42P5	-1.6897	1.6897	4.8695	-8.8966	5.09E-07	3.12E-05	6.6314

ZNF284	-1.6897	1.6897	6.2519	-5.8883	4.55E-05	0.000539	2.0675
ANAPC4	-1.6881	1.6881	6.7621	-5.9057	4.42E-05	0.000529	2.0976
PLAGL1	-1.6879	1.6879	9.1269	-8.0783	1.55E-06	6.10E-05	5.5091
dock10	-1.6876	1.6876	7.0506	-8.1184	1.46E-06	5.92E-05	5.566
PLN	-1.6867	1.6867	6.2115	-6.4039	1.94E-05	0.000307	2.9382
ZFP90	-1.6867	1.6867	7.2763	-5.2782	0.000131	0.001066	0.98953
SNX27	-1.6854	1.6854	8.0634	-6.837	9.73E-06	0.000197	3.6404
Mir361	-1.6844	1.6844	5.3654	-7.0503	6.99E-06	0.000157	3.9765
Mir30e	-1.6838	1.6838	7.6709	-10.304	8.88E-08	1.08E-05	8.3801
QSER1	-1.6832	1.6832	8.441	-5.8261	5.06E-05	0.000578	1.96
ZNF326	-1.6828	1.6828	8.0175	-6.1673	2.85E-05	0.000399	2.5434
ZNF462	-1.6814	1.6814	7.8708	-8.7688	6.03E-07	3.44E-05	6.4615
EPC1	-1.6811	1.6811	7.2106	-5.842	4.92E-05	0.000568	1.9875
IRAK3	-1.6804	1.6804	6.7371	-5.1312	0.00017	0.001266	0.72227
RUNX1-IT1	-1.6801	1.6801	6.4653	-7.6729	2.76E-06	8.66E-05	4.9217
CLIC6	-1.6792	1.6792	5.6445	-5.6026	7.42E-05	0.00074	1.569
KLF12	-1.6778	1.6778	7.2851	-7.8755	2.06E-06	7.21E-05	5.2178
CEP170P1	-1.6777	1.6777	6.4662	-6.2714	2.40E-05	0.000353	2.718
IL20RB	-1.6773	1.6773	10.564	-6.4317	1.85E-05	0.000298	2.9841
PREPL	-1.6769	1.6769	8.1986	-6.8269	9.88E-06	0.000199	3.6243
GRHL2	-1.6768	1.6768	8.7611	-5.8535	4.83E-05	0.00056	2.0074
ZBTB40	-1.676	1.676	7.785	-7.2362	5.27E-06	0.00013	4.2643
TSTD3	-1.6751	1.6751	6.1731	-4.8928	0.000262	0.001685	0.28343
MNS1	-1.6744	1.6744	6.4902	-9.5677	2.16E-07	1.91E-05	7.4923
LINC00115	-1.6737	1.6737	4.027	-5.5923	7.55E-05	0.000748	1.5508
CCAR1	-1.6725	1.6725	9.3303	-5.2347	0.000142	0.001117	0.91075

BPTF	-1.6716	1.6716	9.5432	-5.8535	4.83E-05	0.00056	2.0074
CCDC14	-1.6712	1.6712	8.4604	-7.2461	5.19E-06	0.000128	4.2794
AHCYL2	-1.6705	1.6705	8.3915	-7.3901	4.18E-06	0.000112	4.4989
CCDC18-AS1	-1.6687	1.6687	6.3641	-11.262	3.00E-08	5.63E-06	9.4535
CFAP44	-1.6683	1.6683	6.5664	-12.277	1.03E-08	3.26E-06	10.501
MTPAP	-1.6679	1.6679	7.651	-5.7423	5.83E-05	0.000629	1.8142
RMND1	-1.6679	1.6679	6.0152	-4.8773	0.00027	0.001717	0.25454
TTC8	-1.6665	1.6665	6.4487	-6.6598	1.29E-05	0.000236	3.3563
THEM4	-1.6664	1.6664	6.4759	-5.528	8.45E-05	0.000805	1.437
DOPEY1	-1.6661	1.6661	8.0746	-6.8943	8.90E-06	0.000185	3.7313
CSAD	-1.6657	1.6657	8.0923	-10.483	7.21E-08	9.59E-06	8.5878
SYCP2	-1.6655	1.6655	4.9689	-10.089	1.15E-07	1.27E-05	8.1272
DIS3L	-1.6655	1.6655	7.1577	-9.1677	3.58E-07	2.51E-05	6.9854
TCERG1	-1.6644	1.6644	7.7952	-7.5304	3.40E-06	9.85E-05	4.71
BBS4	-1.6639	1.6639	6.7478	-7.3609	4.37E-06	0.000115	4.4546
CASQ2	-1.6635	1.6635	5.6947	-6.019	3.65E-05	0.000467	2.2918
OXA1L	-1.663	1.663	9.9319	-8.5442	8.14E-07	4.03E-05	6.1582
SGK494	-1.6614	1.6614	7.1071	-8.1542	1.39E-06	5.74E-05	5.6167
LMLN	-1.6608	1.6608	6.9457	-13.368	3.54E-09	1.91E-06	11.534
ZNF567	-1.66	1.66	5.6484	-7.0557	6.93E-06	0.000156	3.9849
RPE	-1.6598	1.6598	6.3284	-5.8705	4.69E-05	0.00055	2.0368
POGZ	-1.6571	1.6571	8.1914	-5.9748	3.93E-05	0.000491	2.2163
NF1	-1.6569	1.6569	8.4763	-5.1948	0.000152	0.001175	0.83833
TTC17	-1.6565	1.6565	8.8628	-5.0482	0.000198	0.001389	0.57023
CASP8AP2	-1.6557	1.6557	6.8964	-7.5205	3.45E-06	9.96E-05	4.6952
USP40	-1.6552	1.6552	6.9926	-10.323	8.69E-08	1.08E-05	8.4025

MOB1B	-1.6543	1.6543	6.6139	-8.3616	1.04E-06	4.79E-05	5.907
STXBP4	-1.6528	1.6528	6.3667	-8.6978	6.62E-07	3.64E-05	6.3663
RIF1	-1.6527	1.6527	8.333	-5.8863	4.57E-05	0.000539	2.0641
RBL2	-1.6517	1.6517	8.0507	-5.7085	6.18E-05	0.000655	1.7551
ZNF138	-1.651	1.651	7.8953	-6.2128	2.65E-05	0.000378	2.6198
HELZ	-1.651	1.651	8.3979	-5.0549	0.000196	0.001379	0.58261
NEMF	-1.6503	1.6503	8.173	-5.0886	0.000184	0.00133	0.64441
GBP4	-1.6499	1.6499	6.4529	-5.3983	0.000106	0.000934	1.2057
PBX1	-1.6495	1.6495	7.3778	-9.0549	4.14E-07	2.77E-05	6.8392
PRICKLE1	-1.6492	1.6492	7.3387	-6.697	1.21E-05	0.000227	3.4163
MIR4480	-1.649	1.649	6.3081	-6.8764	9.15E-06	0.000189	3.703
PKD2	-1.6487	1.6487	7.2188	-9.0381	4.23E-07	2.79E-05	6.8172
LOC100506730	-1.6486	1.6486	7.1918	-9.1535	3.65E-07	2.54E-05	6.967
IFT88	-1.6482	1.6482	6.2281	-6.6615	1.28E-05	0.000235	3.3591
CAAP1	-1.6463	1.6463	7.4718	-6.2097	2.66E-05	0.000379	2.6147
SLIT2	-1.6444	1.6444	7.0589	-6.7425	1.13E-05	0.000217	3.4894
FBXL4	-1.6428	1.6428	8.3322	-6.149	2.94E-05	0.000406	2.5124
CASD1	-1.6413	1.6413	7.3557	-6.9266	8.46E-06	0.000179	3.7823
RPAP3	-1.6404	1.6404	7.0293	-4.9409	0.00024	0.001588	0.37246
ARHGAP31	-1.6386	1.6386	7.5483	-10.313	8.79E-08	1.08E-05	8.3905
CXCL12	-1.6375	1.6375	7.9729	-8.4043	9.84E-07	4.59E-05	5.9662
CPED1	-1.6373	1.6373	6.7994	-6.1545	2.91E-05	0.000404	2.5218
ZNF26	-1.6364	1.6364	6.8321	-8.6242	7.31E-07	3.80E-05	6.2669
PRPF4B	-1.6359	1.6359	8.2342	-5.6595	6.73E-05	0.000695	1.6693
TCF12	-1.6347	1.6347	8.0566	-7.6895	2.69E-06	8.63E-05	4.9461
ZNF732	-1.6342	1.6342	6.3555	-5.0603	0.000194	0.00137	0.5925

TTC3	-1.6303	1.6303	9.0587	-6.4065	1.93E-05	0.000307	2.9426
EMSY	-1.6299	1.6299	7.3512	-5.8957	4.49E-05	0.000533	2.0804
FOXN3	-1.6297	1.6297	9.1609	-9.0518	4.16E-07	2.77E-05	6.835
CAPRIN2	-1.6297	1.6297	7.5891	-7.0531	6.96E-06	0.000156	3.9809
MPDZ	-1.6291	1.6291	6.6447	-10.28	9.14E-08	1.11E-05	8.3517
STARD7	-1.6287	1.6287	9.0678	-6.4545	1.79E-05	0.00029	3.0215
BCL9	-1.6283	1.6283	8.1128	-8.0249	1.67E-06	6.37E-05	5.4329
TATDN1	-1.6269	1.6269	5.8927	-6.8126	1.01E-05	0.000202	3.6016
YLPM1	-1.6267	1.6267	7.4958	-7.9723	1.80E-06	6.67E-05	5.3576
TPTE2P5	-1.6261	1.6261	5.1006	-7.4839	3.64E-06	0.000103	4.6402
ACACB	-1.6226	1.6226	6.8018	-8.5166	8.45E-07	4.14E-05	6.1205
MIPOL1	-1.6225	1.6225	6.1425	-10.353	8.39E-08	1.06E-05	8.4375
NAALADL2	-1.6209	1.6209	5.5102	-8.6323	7.23E-07	3.78E-05	6.2778
THAP9-AS1	-1.6187	1.6187	7.0498	-6.1319	3.03E-05	0.000414	2.4836
QPCT	-1.6162	1.6162	6.5315	-7.7974	2.31E-06	7.77E-05	5.1043
PHIP	-1.6161	1.6161	8.6812	-4.9709	0.000228	0.00153	0.42797
TMEM128	-1.6159	1.6159	7.7092	-7.3093	4.72E-06	0.00012	4.3761
PTCD3	-1.6147	1.6147	7.9218	-5.14	0.000168	0.001253	0.73836
RHOT1	-1.6146	1.6146	9.0825	-5.1745	0.000158	0.001202	0.80136
CEP95	-1.6134	1.6134	8.3282	-5.4794	9.19E-05	0.000851	1.3505
CAPN7	-1.61	1.61	8.2602	-5.6709	6.59E-05	0.000686	1.6893
PMS2	-1.6089	1.6089	6.8247	-6.1079	3.15E-05	0.000426	2.443
KIAA1324	-1.6087	1.6087	7.3468	-9.0031	4.43E-07	2.86E-05	6.7715
TRIM44	-1.6084	1.6084	8.081	-5.1266	0.000172	0.00127	0.71394
TNRC6A	-1.6083	1.6083	8.0454	-6.493	1.68E-05	0.000277	3.0848
ZBTB14	-1.608	1.608	7.2331	-6.349	2.12E-05	0.000326	2.8473

ZFP14	-1.6078	1.6078	6.0738	-7.9026	1.98E-06	7.06E-05	5.2572
arhgap24	-1.607	1.607	6.952	-7.2508	5.16E-06	0.000128	4.2866
RPL32P3	-1.6069	1.6069	7.1715	-9.5447	2.22E-07	1.94E-05	7.4637
NSMCE4A	-1.6064	1.6064	7.4296	-5.8621	4.76E-05	0.000556	2.0223
DMXL2	-1.6046	1.6046	7.393	-7.1891	5.66E-06	0.000136	4.1917
GLTSCR1L	-1.6043	1.6043	7.9224	-8.951	4.74E-07	2.99E-05	6.703
CCDC66	-1.6029	1.6029	6.2411	-6.0728	3.34E-05	0.000441	2.3834
ZFP3	-1.6028	1.6028	7.5908	-8.4234	9.59E-07	4.52E-05	5.9924
KLF8	-1.6014	1.6014	8.4523	-6.3869	1.99E-05	0.000313	2.9101
CEP76	-1.6011	1.6011	7.1747	-4.9	0.000259	0.001669	0.29684
PRRX1	-1.601	1.601	7.7939	-5.9447	4.14E-05	0.000507	2.1646
TRIM22	-1.6005	1.6005	6.8689	-8.0977	1.50E-06	6.02E-05	5.5367
ALMS1	-1.5999	1.5999	7.0346	-9.0363	4.24E-07	2.79E-05	6.8149
scaf8	-1.5995	1.5995	7.0775	-8.9252	4.90E-07	3.06E-05	6.6691
ZNF638	-1.5985	1.5985	8.199	-6.4971	1.67E-05	0.000276	3.0915
ERAP1	-1.5981	1.5981	7.6214	-5.769	5.57E-05	0.000614	1.8608
ATR	-1.5965	1.5965	7.0494	-6.3733	2.04E-05	0.000317	2.8876
DDX60	-1.5954	1.5954	6.8213	-7.4608	3.77E-06	0.000105	4.6056
PCLO	-1.5951	1.5951	5.9739	-8.1602	1.38E-06	5.71E-05	5.6251
TERF1	-1.5951	1.5951	6.8079	-7.5755	3.18E-06	9.46E-05	4.7772
SETD2	-1.5947	1.5947	8.3886	-5.9224	4.30E-05	0.000519	2.1264
POLR3C	-1.5944	1.5944	7.8564	-4.8662	0.000276	0.001742	0.23392
parp2	-1.5937	1.5937	6.8827	-8.6212	7.34E-07	3.81E-05	6.2629
FGF2	-1.5931	1.5931	7.0921	-4.8809	0.000268	0.001711	0.26138
SEPSECS	-1.5924	1.5924	7.5291	-8.5752	7.81E-07	3.93E-05	6.2004
CCND1	-1.5886	1.5886	8.8701	-7.6686	2.78E-06	8.69E-05	4.9153

ZEB2	-1.5873	1.5873	6.7444	-9.7198	1.79E-07	1.71E-05	7.6804
Znf763	-1.5873	1.5873	5.3953	-5.583	7.68E-05	0.000757	1.5345
SPICE1	-1.5869	1.5869	7.0824	-9.8159	1.59E-07	1.58E-05	7.798
BCL2	-1.5857	1.5857	6.1824	-7.6226	2.97E-06	9.09E-05	4.8472
ENOSF1	-1.5843	1.5843	8.4184	-7.4143	4.04E-06	0.00011	4.5354
EPHB6	-1.5839	1.5839	7.8512	-5.0753	0.000188	0.001347	0.61997
ZNF256	-1.5826	1.5826	6.7368	-8.0274	1.66E-06	6.36E-05	5.4366
C6orf163	-1.5822	1.5822	5.5542	-9.3737	2.76E-07	2.20E-05	7.2487
THAP6	-1.5809	1.5809	5.4636	-10.063	1.18E-07	1.28E-05	8.096
TMEM19	-1.5802	1.5802	7.4891	-4.9242	0.000248	0.001623	0.34152
IGFBP5	-1.579	1.579	8.7552	-7.5516	3.30E-06	9.67E-05	4.7416
NBN	-1.5789	1.5789	7.4627	-5.2159	0.000146	0.001146	0.87654
MGA	-1.5765	1.5765	8.283	-6.0335	3.56E-05	0.00046	2.3165
RRAGB	-1.5762	1.5762	6.6628	-8.9608	4.68E-07	2.98E-05	6.716
ZNF737	-1.5758	1.5758	6.5232	-6.3101	2.26E-05	0.000339	2.7826
AHCTF1	-1.5747	1.5747	8.4546	-5.1521	0.000164	0.001237	0.7605
znf347	-1.5746	1.5746	5.5902	-9.6866	1.87E-07	1.77E-05	7.6396
TMA16	-1.5735	1.5735	6.9512	-6.3917	1.98E-05	0.000311	2.918
ANKRD35	-1.573	1.573	6.9653	-6.3085	2.26E-05	0.00034	2.7799
TMEM260	-1.5722	1.5722	6.7895	-5.5114	8.69E-05	0.000821	1.4076
RECK	-1.5721	1.5721	7.4276	-6.318	2.23E-05	0.000336	2.7957
STX17-AS1	-1.5714	1.5714	6.4457	-5.2919	0.000128	0.001051	1.0142
TXNDC16	-1.5696	1.5696	5.481	-6.8087	1.02E-05	0.000202	3.5953
PAPOLG	-1.5664	1.5664	7.8269	-4.9545	0.000235	0.001561	0.39772
CLCC1	-1.5662	1.5662	7.7039	-5.2497	0.000138	0.001099	0.93795
PMS2P4	-1.5659	1.5659	7.5665	-8.0993	1.50E-06	6.01E-05	5.539

TBX3	-1.5654	1.5654	8.5071	-5.8624	4.75E-05	0.000556	2.0229
POGLUT1	-1.5635	1.5635	6.7186	-6.2967	2.31E-05	0.000343	2.7602
KPNA5	-1.5621	1.5621	7.026	-6.1322	3.02E-05	0.000414	2.4842
CEP170	-1.5614	1.5614	7.1614	-7.6816	2.73E-06	8.65E-05	4.9344
WFDC21P	-1.5612	1.5612	5.9903	-5.2983	0.000126	0.001043	1.0258
ZNF782	-1.5607	1.5607	6.286	-6.785	1.06E-05	0.000207	3.5575
MITF	-1.5599	1.5599	6.5902	-7.898	2.00E-06	7.07E-05	5.2504
AQP7P3	-1.558	1.558	6.054	-4.9015	0.000258	0.001667	0.2995
atf2	-1.5579	1.5579	8.606	-6.9058	8.74E-06	0.000183	3.7494
LETMD1	-1.5576	1.5576	7.6891	-9.6498	1.95E-07	1.82E-05	7.5942
STAG1	-1.5574	1.5574	7.3293	-5.1083	0.000178	0.001297	0.68043
KIAA1107	-1.5558	1.5558	5.4616	-9.7502	1.73E-07	1.67E-05	7.7177
ZNF345	-1.5557	1.5557	5.9555	-9.3316	2.91E-07	2.24E-05	7.1952
ZNF438	-1.554	1.554	6.3943	-6.8003	1.03E-05	0.000204	3.5819
EFNA4	-1.5538	1.5538	7.7498	-5.1	0.00018	0.001312	0.66537
ZNF10	-1.5511	1.5511	5.7265	-7.6791	2.73E-06	8.65E-05	4.9308
NEGR1	-1.5508	1.5508	6.9104	-8.5753	7.81E-07	3.93E-05	6.2006
GHR	-1.548	1.548	6.1966	-7.3512	4.43E-06	0.000116	4.4399
EFHC2	-1.548	1.548	5.5693	-6.2315	2.57E-05	0.00037	2.6513
TPM1	-1.5469	1.5469	7.5895	-9.8623	1.51E-07	1.53E-05	7.8543
R3HDM2	-1.5467	1.5467	8.5384	-6.8768	9.14E-06	0.000189	3.7035
MIR143	-1.5452	1.5452	5.9932	-7.1693	5.83E-06	0.000139	4.1612
CCZ1	-1.5438	1.5438	6.9222	-8.0673	1.57E-06	6.13E-05	5.4934
SUMO4	-1.5437	1.5437	7.0525	-4.9421	0.00024	0.001585	0.37473
UBL7-AS1	-1.539	1.539	6.4759	-7.3645	4.35E-06	0.000115	4.46
RCAN2	-1.539	1.539	7.5788	-6.5668	1.49E-05	0.000259	3.2054

PTGFR	-1.538	1.538	6.8722	-4.9914	0.000219	0.001492	0.46574
SPCS2	-1.5362	1.5362	7.2449	-4.8751	0.000271	0.001721	0.25058
ZFP62	-1.5358	1.5358	6.8018	-7.2506	5.16E-06	0.000128	4.2863
CEP295	-1.5338	1.5338	6.1355	-8.236	1.24E-06	5.36E-05	5.7319
c12orf66	-1.5336	1.5336	6.87	-6.4308	1.85E-05	0.000298	2.9826
TRMT13	-1.5326	1.5326	7.2542	-7.4292	3.95E-06	0.000108	4.5579
TTC13	-1.5326	1.5326	7.9776	-6.117	3.10E-05	0.000422	2.4584
MEIS1	-1.5324	1.5324	7.2101	-6.7074	1.19E-05	0.000225	3.433
TMEM67	-1.5318	1.5318	6.113	-8.1892	1.32E-06	5.59E-05	5.6661
DISP1	-1.5318	1.5318	6.3856	-7.3267	4.60E-06	0.000118	4.4026
ZSCAN26	-1.5311	1.5311	7.0426	-8.0114	1.70E-06	6.46E-05	5.4136
SBF2	-1.5303	1.5303	8.6956	-6.0426	3.51E-05	0.000457	2.3321
DENND4A	-1.5302	1.5302	8.0356	-6.0409	3.52E-05	0.000457	2.3292
MFSD8	-1.5289	1.5289	8.2481	-7.3041	4.76E-06	0.000121	4.3682
VPS45	-1.5289	1.5289	8.5251	-5.447	9.73E-05	0.000883	1.2928
RBM45	-1.5272	1.5272	6.8961	-5.3367	0.000118	0.001001	1.0951
KMT2C	-1.5257	1.5257	10.179	-4.9628	0.000231	0.001545	0.41296
CCDC171	-1.5252	1.5252	5.6668	-7.9479	1.86E-06	6.83E-05	5.3225
TMEM209	-1.5245	1.5245	7.5567	-5.3947	0.000107	0.000939	1.1993
PXK	-1.5244	1.5244	8.1301	-6.4156	1.90E-05	0.000304	2.9576
TOP1P1	-1.5233	1.5233	4.8209	-8.4021	9.87E-07	4.60E-05	5.963
ANKIB1	-1.5229	1.5229	9.4301	-4.904	0.000257	0.001662	0.30425
CCNT1	-1.5221	1.5221	8.0766	-6.1073	3.15E-05	0.000426	2.442
DMD	-1.5212	1.5212	6.4644	-12.149	1.18E-08	3.39E-06	10.374
FAM120C	-1.5212	1.5212	6.5622	-9.1088	3.86E-07	2.64E-05	6.9091
HEATR6	-1.5179	1.5179	8.2433	-6.6892	1.23E-05	0.000229	3.4037

alpk1	-1.5178	1.5178	7.3419	-9.7928	1.64E-07	1.62E-05	7.7698
TDRD3	-1.5169	1.5169	7.913	-6.6223	1.36E-05	0.000245	3.2956
tmem245	-1.5169	1.5169	8.0694	-5.2139	0.000147	0.001148	0.87296
HMGCS2	-1.5157	1.5157	6.5265	-5.8223	5.09E-05	0.00058	1.9533
TPP2	-1.5156	1.5156	8.4311	-5.3391	0.000118	0.000999	1.0993
VGLL3	-1.5154	1.5154	7.594	-5.3106	0.000124	0.00103	1.048
UVRAG	-1.5153	1.5153	8.1072	-7.2533	5.14E-06	0.000128	4.2905
MIR567	-1.5147	1.5147	4.5108	-6.975	7.85E-06	0.00017	3.8585
TMEM254	-1.5143	1.5143	7.6673	-5.3026	0.000126	0.001038	1.0336
CRBN	-1.5125	1.5125	7.9646	-9.3778	2.74E-07	2.19E-05	7.2539
EPHA4	-1.5121	1.5121	7.7286	-7.1189	6.30E-06	0.000146	4.0832
POLI	-1.5112	1.5112	7.4639	-5.8318	5.01E-05	0.000574	1.9698
FAT4	-1.5107	1.5107	7.3564	-7.4335	3.92E-06	0.000108	4.5645
CCDC7	-1.5105	1.5105	5.5637	-9.2582	3.19E-07	2.34E-05	7.1016
dcaf8	-1.5102	1.5102	7.0928	-5.9361	4.20E-05	0.000512	2.1498
PDGFRL	-1.5102	1.5102	6.7993	-5.401	0.000105	0.000932	1.2106
LOC440300	-1.509	1.509	4.8201	-5.1596	0.000162	0.001225	0.77416
WDR35	-1.5071	1.5071	6.1155	-7.4719	3.71E-06	0.000104	4.6222
LYPLAL1	-1.5061	1.5061	7.1154	-7.7794	2.37E-06	7.90E-05	5.0781
NBR2	-1.5032	1.5032	6.8596	-6.5718	1.48E-05	0.000258	3.2136
SMAD5	-1.503	1.503	7.9516	-5.3435	0.000117	0.000994	1.1072
RGL1	-1.4998	1.4998	7.9251	-9.347	2.85E-07	2.22E-05	7.2148
ZNF614	-1.4981	1.4981	7.079	-6.686	1.23E-05	0.000229	3.3985
ZNF615	-1.497	1.497	5.4292	-6.4321	1.85E-05	0.000297	2.9848
ZNF649	-1.4964	1.4964	6.8809	-6.9157	8.61E-06	0.00018	3.7651
C6orf203	-1.4953	1.4953	6.4801	-6.9494	8.17E-06	0.000175	3.8183

CRNDE	-1.4907	1.4907	7.0107	-6.5055	1.64E-05	0.000274	3.1053
MAP4K5	-1.4901	1.4901	9.3876	-5.6252	7.14E-05	0.000721	1.6088
gosr1	-1.4901	1.4901	8.6094	-5.0611	0.000193	0.001369	0.59395
ZNF566	-1.49	1.49	5.8696	-7.0502	6.99E-06	0.000157	3.9763
HERC2P3	-1.4893	1.4893	8.9688	-7.2704	5.01E-06	0.000125	4.3166
ARMC10	-1.4882	1.4882	7.6062	-5.3309	0.000119	0.001007	1.0847
LOC728613	-1.4838	1.4838	5.0488	-6.352	2.11E-05	0.000324	2.8523
ZNF599	-1.4833	1.4833	4.7144	-7.4075	4.08E-06	0.00011	4.5252
CDCA7	-1.4833	1.4833	6.3187	-6.7131	1.18E-05	0.000223	3.4422
CBR4	-1.4809	1.4809	7.5827	-6.4039	1.94E-05	0.000307	2.9382
mipep	-1.4806	1.4806	7.0532	-4.9229	0.000248	0.001625	0.33918
ZNF774	-1.48	1.48	6.8469	-6.5421	1.55E-05	0.000266	3.1652
RBM41	-1.48	1.48	7.0692	-6.2515	2.48E-05	0.000361	2.6848
c16orf70	-1.4798	1.4798	9.7174	-5.2464	0.000139	0.001103	0.932
TRAPPC13	-1.4796	1.4796	6.446	-5.6706	6.60E-05	0.000686	1.6886
ZNF350	-1.4792	1.4792	6.2033	-6.2507	2.49E-05	0.000362	2.6835
CCDC112	-1.4786	1.4786	5.1721	-5.2832	0.00013	0.00106	0.99846
FMO4	-1.4781	1.4781	6.5106	-6.0972	3.21E-05	0.00043	2.4248
ZNF266	-1.4767	1.4767	7.7975	-5.6787	6.51E-05	0.000679	1.703
ice2	-1.475	1.475	7.8693	-5.7502	5.76E-05	0.000625	1.828
N4BP2L1	-1.4737	1.4737	6.1432	-6.4934	1.68E-05	0.000277	3.0856
TP53INP1	-1.4728	1.4728	8.1389	-5.4336	9.96E-05	0.000897	1.269
c14orf159	-1.4726	1.4726	7.2265	-9.5467	2.22E-07	1.94E-05	7.4662
NOL8	-1.4725	1.4725	7.4726	-7.5168	3.47E-06	1.00E-04	4.6896
GIGYF2	-1.4723	1.4723	7.3882	-7.3017	4.77E-06	0.000121	4.3646
TMEM161B	-1.4723	1.4723	6.8911	-5.9491	4.11E-05	0.000504	2.1722

EXOSC7	-1.4722	1.4722	7.4137	-8.0431	1.62E-06	6.30E-05	5.4589
MAP2K6	-1.4722	1.4722	5.7926	-7.1745	5.79E-06	0.000138	4.1693
EDRF1	-1.4714	1.4714	7.2244	-7.3879	4.20E-06	0.000112	4.4955
TRMT11	-1.4696	1.4696	6.5491	-7.0778	6.70E-06	0.000152	4.0193
ZNF621	-1.4691	1.4691	7.1646	-9.8651	1.50E-07	1.53E-05	7.8577
MIR4317	-1.4681	1.4681	3.4408	-6.6053	1.40E-05	0.000249	3.268
LINC00174	-1.4664	1.4664	5.8445	-7.9531	1.85E-06	6.80E-05	5.3299
NSMAF	-1.4654	1.4654	7.933	-5.5499	8.13E-05	0.000787	1.4759
HEATR1	-1.4642	1.4642	8.2826	-5.4754	9.26E-05	0.000854	1.3435
HYKK	-1.4626	1.4626	6.6798	-6.6661	1.27E-05	0.000235	3.3665
STAMBPL1	-1.4624	1.4624	6.8202	-8.4961	8.69E-07	4.22E-05	6.0924
KIAA1328	-1.4621	1.4621	8.0557	-9.335	2.89E-07	2.23E-05	7.1996
FRMD4B	-1.4615	1.4615	7.2609	-5.3072	0.000124	0.001033	1.0419
MRPL42	-1.4609	1.4609	7.0234	-5.0461	0.000199	0.001393	0.56648
HSD17B11	-1.4598	1.4598	7.303	-5.0673	0.000191	0.001359	0.60542
MTX3	-1.4597	1.4597	7.0082	-5.8361	4.97E-05	0.000572	1.9774
NOV	-1.4591	1.4591	6.5866	-5.7517	5.74E-05	0.000624	1.8307
ARL5A	-1.4584	1.4584	8.986	-5.424	0.000101	0.000908	1.2517
L2HGDH	-1.4583	1.4583	6.0756	-8.1808	1.34E-06	5.62E-05	5.6543
C5	-1.4579	1.4579	6.1104	-7.3106	4.71E-06	0.00012	4.3781
LSG1	-1.4572	1.4572	8.255	-5.6956	6.32E-05	0.000666	1.7326
MAST3	-1.4557	1.4557	7.6166	-5.05	0.000197	0.001386	0.57368
GSTM4	-1.4537	1.4537	6.6769	-7.442	3.87E-06	0.000107	4.5773
atxn7	-1.4535	1.4535	8.6532	-6.8518	9.50E-06	0.000194	3.664
ENPP5	-1.4529	1.4529	5.7788	-7.6617	2.81E-06	8.76E-05	4.9051
INTS3	-1.4525	1.4525	8.3514	-5.9486	4.11E-05	0.000505	2.1714

TMEM63A	-1.4518	1.4518	7.6194	-10.224	9.76E-08	1.15E-05	8.2862
c5orf42	-1.4516	1.4516	6.9929	-7.516	3.47E-06	1.00E-04	4.6883
GPR89B	-1.4498	1.4498	8.411	-7.184	5.70E-06	0.000137	4.1839
C11orf57	-1.449	1.449	6.5439	-4.9595	0.000232	0.001551	0.40682
LOC100129550	-1.4486	1.4486	7.4233	-6.7446	1.12E-05	0.000216	3.4928
TSTD2	-1.4483	1.4483	6.8677	-6.5693	1.48E-05	0.000258	3.2095
ZNF518A	-1.4479	1.4479	6.5808	-8.6959	6.64E-07	3.64E-05	6.3637
ANAPC5	-1.4474	1.4474	8.6675	-5.2756	0.000132	0.001069	0.98482
METTL14	-1.4474	1.4474	8.0959	-5.1998	0.000151	0.001167	0.84734
CDK12	-1.4458	1.4458	8.1557	-6.5521	1.53E-05	0.000263	3.1815
MIR591	-1.4453	1.4453	5.282	-5.794	5.34E-05	0.000598	1.9042
FCHSD2	-1.4432	1.4432	7.2096	-6.4869	1.69E-05	0.000279	3.0748
ZC3H13	-1.4408	1.4408	8.1963	-6.6144	1.38E-05	0.000247	3.2827
SSBP2	-1.4403	1.4403	8.0453	-6.9779	7.82E-06	0.00017	3.8631
ANXA4	-1.4385	1.4385	9.1932	-5.532	8.39E-05	0.000804	1.4441
MCC	-1.4381	1.4381	8.3066	-5.1138	0.000176	0.00129	0.69054
PAN3	-1.4377	1.4377	8.9186	-5.8488	4.86E-05	0.000563	1.9994
ACSS3	-1.4371	1.4371	6.0918	-5.5532	8.08E-05	0.000785	1.4817
LINC01004	-1.437	1.437	6.3969	-6.3815	2.01E-05	0.000314	2.9011
SH3BGRL2	-1.4314	1.4314	8.0869	-6.3684	2.05E-05	0.000319	2.8795
CCDC191	-1.4289	1.4289	6.0931	-8.0025	1.72E-06	6.48E-05	5.4008
KDM3B	-1.427	1.427	8.3637	-6.3161	2.23E-05	0.000336	2.7926
ANKRD26	-1.4267	1.4267	6.5916	-7.4583	3.78E-06	0.000106	4.6018
USF3	-1.4262	1.4262	8.6313	-5.7017	6.25E-05	0.00066	1.7432
ADNP	-1.4258	1.4258	8.7226	-5.4701	9.34E-05	0.00086	1.334
GATAD2B	-1.4254	1.4254	9.5127	-5.5006	8.86E-05	0.000831	1.3883

MIRLET7G	-1.4251	1.4251	6.8235	-5.44	9.85E-05	0.000891	1.2804
arhgap18	-1.4247	1.4247	6.7478	-5.6931	6.35E-05	0.000668	1.7282
FRK	-1.4244	1.4244	6.2318	-6.6665	1.27E-05	0.000234	3.3671
EPN2-IT1	-1.4242	1.4242	7.6821	-6.7377	1.14E-05	0.000218	3.4817
POU2F3	-1.4241	1.4241	8.2132	-4.8659	0.000276	0.001743	0.23348
DYRK1A	-1.4238	1.4238	8.979	-5.5638	7.94E-05	0.000774	1.5004
CCDC102B	-1.4234	1.4234	5.9367	-5.803	5.26E-05	0.000593	1.92
EXOSC3	-1.4233	1.4233	6.8217	-6.5202	1.61E-05	0.000271	3.1294
MRRF	-1.4217	1.4217	7.6437	-9.2137	3.38E-07	2.43E-05	7.0446
GPHN	-1.4217	1.4217	7.0676	-8.6828	6.76E-07	3.66E-05	6.3461
CSPP1	-1.421	1.421	6.8398	-6.0175	3.66E-05	0.000468	2.2893
ZNF106	-1.419	1.419	7.9804	-5.0393	0.000201	0.001406	0.5539
NFE2L2	-1.4184	1.4184	8.7659	-5.0045	0.000214	0.001467	0.4899
ZBTB33	-1.4181	1.4181	7.6929	-5.5879	7.61E-05	0.000753	1.5431
ARL14EP	-1.4178	1.4178	7.0925	-5.9762	3.92E-05	0.000491	2.2187
RAPGEF6	-1.417	1.417	7.1998	-6.7698	1.08E-05	0.000211	3.5332
AUTS2	-1.4161	1.4161	6.7587	-8.5147	8.47E-07	4.14E-05	6.1179
ZNF461	-1.416	1.416	5.5824	-8.7864	5.89E-07	3.38E-05	6.485
MYO5C	-1.4159	1.4159	7.4244	-6.0405	3.52E-05	0.000457	2.3284
IMMP2L	-1.4158	1.4158	5.6912	-8.3866	1.01E-06	4.68E-05	5.9417
C1QTNF3- AMACR	-1.4156	1.4156	6.9941	-7.4396	3.89E-06	0.000108	4.5736
SIN3A	-1.4153	1.4153	9.0391	-5.2666	0.000134	0.001078	0.96847
MATN2	-1.4147	1.4147	7.1744	-6.2828	2.36E-05	0.000349	2.7371
MIR1284	-1.4123	1.4123	4.3096	-6.0849	3.27E-05	0.000435	2.404
SOX6	-1.4112	1.4112	6.1547	-5.379	0.00011	0.000956	1.1711

TTC23	-1.411	1.411	7.4403	-8.8517	5.40E-07	3.22E-05	6.5719
GPR89A	-1.4101	1.4101	8.0224	-7.4764	3.68E-06	0.000104	4.6291
ELF2	-1.4101	1.4101	7.6842	-6.3462	2.13E-05	0.000326	2.8426
NCK1	-1.409	1.409	8.2439	-4.901	0.000259	0.001667	0.29857
THADA	-1.4087	1.4087	7.2416	-6.9992	7.56E-06	0.000166	3.8965
SPATA7	-1.4085	1.4085	6.5439	-11.422	2.52E-08	5.15E-06	9.6251
SREK1	-1.408	1.408	7.2091	-8.0087	1.71E-06	6.47E-05	5.4097
KAT14	-1.408	1.408	6.9997	-7.038	7.13E-06	0.000159	3.9573
TRRAP	-1.4067	1.4067	8.046	-6.025	3.62E-05	0.000465	2.3021
USP48	-1.4063	1.4063	7.5877	-5.0603	0.000194	0.00137	0.59245
SH3BGRL	-1.4059	1.4059	7.5277	-5.6452	6.89E-05	0.000706	1.6441
MIR3662	-1.4054	1.4054	4.6314	-6.4893	1.69E-05	0.000278	3.0787
SPRY2	-1.4048	1.4048	7.2814	-4.9145	0.000252	0.001641	0.32355
CHIC1	-1.4047	1.4047	6.796	-6.4936	1.68E-05	0.000277	3.0859
ANKAR	-1.4042	1.4042	5.8521	-8.5578	7.99E-07	3.98E-05	6.1767
EED	-1.404	1.404	6.4642	-7.6724	2.76E-06	8.67E-05	4.9208
CBWD1	-1.4034	1.4034	8.9382	-5.2252	0.000144	0.001132	0.89344
GSR	-1.4033	1.4033	7.8641	-5.4871	9.07E-05	0.000844	1.3643
TTC9C	-1.403	1.403	7.0839	-6.5493	1.53E-05	0.000263	3.1768
HIP1	-1.403	1.403	7.5366	-5.6481	6.86E-05	0.000704	1.6492
AASS	-1.4025	1.4025	7.8929	-8.1618	1.38E-06	5.71E-05	5.6274
MINOS1P1	-1.4022	1.4022	5.1549	-6.5916	1.43E-05	0.000252	3.2458
CYSLTR1	-1.4015	1.4015	5.5199	-5.5633	7.94E-05	0.000775	1.4995
CRISPLD1	-1.401	1.401	6.0202	-6.8881	8.98E-06	0.000187	3.7215
WDPCP	-1.4007	1.4007	6.0636	-9.7561	1.71E-07	1.67E-05	7.7249
LOC100128288	-1.399	1.399	6.4801	-5.4699	9.35E-05	0.00086	1.3337

NUP214	-1.3985	1.3985	8.6519	-5.7489	5.77E-05	0.000625	1.8257
EVI2B	-1.3983	1.3983	6.0415	-5.3855	0.000108	0.000949	1.1828
METTL8	-1.3978	1.3978	7.8356	-5.6821	6.47E-05	0.000677	1.709
EIF3J-AS1	-1.3966	1.3966	6.763	-6.153	2.92E-05	0.000405	2.5192
PSMD5-AS1	-1.3963	1.3963	5.2461	-6.0044	3.74E-05	0.000475	2.2668
ATL2	-1.396	1.396	8.0742	-5.721	6.05E-05	0.000646	1.7769
GCC2	-1.3959	1.3959	7.3033	-5.2739	0.000132	0.001071	0.98176
GK5	-1.3942	1.3942	7.5063	-5.5437	8.22E-05	0.000793	1.4649
CEP97	-1.394	1.394	7.3206	-6.7907	1.05E-05	0.000206	3.5667
ZNF449	-1.394	1.394	5.7281	-4.9769	0.000225	0.001519	0.43902
CEP192	-1.393	1.393	7.3968	-6.3409	2.15E-05	0.000328	2.8338
FOXP1	-1.3908	1.3908	7.9293	-6.3373	2.16E-05	0.000329	2.8279
KIZ	-1.3904	1.3904	7.4212	-6.5677	1.49E-05	0.000258	3.2069
TMEM106B	-1.3902	1.3902	7.9497	-5.614	7.27E-05	0.000731	1.5892
KIAA1586	-1.3891	1.3891	7.4131	-5.2873	0.000129	0.001055	1.006
G2E3	-1.3889	1.3889	7.5811	-6.2847	2.35E-05	0.000348	2.7402
TRAF5	-1.3877	1.3877	6.3982	-9.1273	3.77E-07	2.61E-05	6.9332
LINC00341	-1.3869	1.3869	6.5729	-4.8758	0.000271	0.00172	0.25178
PMS1	-1.3862	1.3862	5.7804	-9.6523	1.95E-07	1.82E-05	7.5973
MCCC1	-1.3862	1.3862	7.5485	-6.0959	3.21E-05	0.00043	2.4226
PCDHB15	-1.3859	1.3859	5.5735	-5.4029	0.000105	0.00093	1.214
LUC7L2	-1.3853	1.3853	6.949	-6.2472	2.50E-05	0.000363	2.6777
intu	-1.3845	1.3845	6.22	-6.8619	9.36E-06	0.000192	3.6799
BNC2	-1.3842	1.3842	6.5993	-7.471	3.71E-06	0.000104	4.6209
PTER	-1.3833	1.3833	7.8749	-9.0211	4.33E-07	2.83E-05	6.795
PHF21A	-1.3832	1.3832	7.8225	-8.0486	1.61E-06	6.27E-05	5.4668

MTF2	-1.3826	1.3826	7.2261	-5.9342	4.21E-05	0.000513	2.1466
RABGAP1L	-1.3825	1.3825	6.9269	-8.4657	9.05E-07	4.35E-05	6.0508
H6PD	-1.3823	1.3823	7.356	-6.1753	2.82E-05	0.000396	2.5569
ccdc15	-1.3819	1.3819	6.2388	-6.5656	1.49E-05	0.000259	3.2035
TACR1	-1.3819	1.3819	6.9453	-5.1892	0.000154	0.001183	0.82803
FBLN2	-1.3812	1.3812	7.864	-5.5066	8.77E-05	0.000825	1.399
MIR4659A	-1.3811	1.3811	3.3349	-5.4913	9.01E-05	0.00084	1.3718
NEMP2	-1.3803	1.3803	7.176	-5.4569	9.56E-05	0.000873	1.3104
POGK	-1.379	1.379	7.3827	-5.9527	4.08E-05	0.000503	2.1784
MPHOSPH8	-1.3787	1.3787	7.3475	-5.8142	5.16E-05	0.000585	1.9393
olfml1	-1.3776	1.3776	6.5247	-5.3096	0.000124	0.001031	1.0462
SYTL2	-1.3769	1.3769	6.669	-6.3295	2.19E-05	0.000332	2.8149
ST7-OT4	-1.3769	1.3769	6.8641	-5.3653	0.000112	0.000971	1.1465
NRP1	-1.3766	1.3766	8.4807	-6.7236	1.16E-05	0.000221	3.459
ATP23	-1.3747	1.3747	8.4986	-6.5984	1.42E-05	0.000251	3.2568
RFTN2	-1.3747	1.3747	6.3886	-5.4772	9.23E-05	0.000853	1.3467
CENPU	-1.3744	1.3744	7.5411	-6.0597	3.41E-05	0.000447	2.3612
mbd5	-1.3738	1.3738	7.2531	-9.4887	2.39E-07	2.01E-05	7.3936
DDX47	-1.3737	1.3737	8.202	-7.0818	6.66E-06	0.000152	4.0255
RNF148	-1.372	1.372	5.38	-5.3747	0.00011	0.000961	1.1634
PRR34-AS1	-1.3712	1.3712	7.4409	-8.8813	5.19E-07	3.14E-05	6.6112
GPR21	-1.3704	1.3704	7.849	-6.2169	2.63E-05	0.000376	2.6268
FLJ10038	-1.3702	1.3702	6.3982	-7.9789	1.78E-06	6.62E-05	5.3671
LOC100129034	-1.3699	1.3699	7.3197	-7.7193	2.58E-06	8.37E-05	4.99
TATDN3	-1.3688	1.3688	6.7125	-6.7094	1.19E-05	0.000224	3.4363
RTTN	-1.3684	1.3684	7.2511	-8.6046	7.50E-07	3.85E-05	6.2403

POC5	-1.3683	1.3683	6.8717	-8.687	6.72E-07	3.66E-05	6.3518
COPS8	-1.3677	1.3677	8.0509	-6.7099	1.19E-05	0.000224	3.4371
TRIM24	-1.3656	1.3656	7.3371	-5.9838	3.87E-05	0.000486	2.2317
CNTRL	-1.3653	1.3653	6.2845	-10.052	1.20E-07	1.29E-05	8.0829
LINC00640	-1.3637	1.3637	6.075	-5.9629	4.01E-05	0.000498	2.1959
TTC28	-1.3636	1.3636	7.1468	-10.222	9.78E-08	1.15E-05	8.284
POMK	-1.3622	1.3622	7.8265	-5.4431	9.80E-05	0.000888	1.2859
MGST2	-1.3613	1.3613	8.1308	-5.2411	0.00014	0.001109	0.92234
DHX35	-1.3578	1.3578	6.7999	-7.3393	4.51E-06	0.000117	4.4218
RBM26-AS1	-1.3571	1.3571	5.9368	-10.859	4.69E-08	7.31E-06	9.013
ZNF322	-1.3571	1.3571	5.7729	-6.162	2.88E-05	0.000401	2.5345
MADD	-1.3564	1.3564	7.914	-6.0639	3.39E-05	0.000445	2.3683
CFAP97	-1.3559	1.3559	8.7202	-5.2385	0.000141	0.001113	0.91758
BCAS3	-1.3548	1.3548	8.9726	-5.5512	8.11E-05	0.000786	1.4781
LOC283922	-1.3532	1.3532	3.5866	-8.1019	1.50E-06	6.01E-05	5.5426
cxorf57	-1.3527	1.3527	4.8375	-6.5375	1.56E-05	0.000266	3.1577
DDX10	-1.3523	1.3523	6.7797	-7.1121	6.36E-06	0.000146	4.0727
SEC61A2	-1.3521	1.3521	6.1994	-6.4844	1.70E-05	0.000279	3.0708
MIR3916	-1.352	1.352	8.5581	-5.3884	0.000108	0.000946	1.1879
HERC2P2	-1.352	1.352	8.191	-5.3604	0.000113	0.000977	1.1376
BICC1	-1.3502	1.3502	6.8893	-5.313	0.000123	0.001027	1.0523
ARID1B	-1.35	1.35	9.0196	-6.776	1.07E-05	0.000209	3.543
FAN1	-1.3497	1.3497	6.9	-7.5291	3.41E-06	9.87E-05	4.708
ATXN7L1	-1.3477	1.3477	7.3973	-8.7208	6.42E-07	3.58E-05	6.3972
ULK4	-1.3468	1.3468	6.5512	-9.9466	1.36E-07	1.42E-05	7.9563
BCLAF1	-1.3457	1.3457	8.4663	-5.4531	9.63E-05	0.000877	1.3037

FRY	-1.3448	1.3448	7.8747	-7.1668	5.85E-06	0.000139	4.1573
UBXN2B	-1.3442	1.3442	6.2067	-6.3478	2.12E-05	0.000326	2.8453
DCAF17	-1.3437	1.3437	7.3349	-5.1371	0.000169	0.001257	0.73321
NADK2	-1.343	1.343	7.0139	-9.9486	1.36E-07	1.42E-05	7.9587
ZBTB8A	-1.3421	1.3421	7.176	-4.93	0.000245	0.001612	0.35229
NUP43	-1.3414	1.3414	7.7078	-7.6048	3.05E-06	9.20E-05	4.8208
PRUNE2	-1.3404	1.3404	5.9273	-5.8539	4.82E-05	0.00056	2.0081
LDB1	-1.3402	1.3402	10.045	-5.9523	4.08E-05	0.000503	2.1777
ZC3H8	-1.34	1.34	6.3907	-5.907	4.41E-05	0.000528	2.0998
MBOAT1	-1.3391	1.3391	7.4139	-5.4383	9.88E-05	0.000893	1.2772
RNF38	-1.3386	1.3386	8.9008	-5.9469	4.12E-05	0.000506	2.1685
TET2	-1.3378	1.3378	9.2036	-5.0652	0.000192	0.001363	0.60157
TET1	-1.3367	1.3367	6.592	-7.7923	2.32E-06	7.80E-05	5.0969
MIR548O2	-1.3348	1.3348	5.4146	-5.5412	8.25E-05	0.000795	1.4605
ERBIN	-1.3347	1.3347	9.6426	-5.8227	5.09E-05	0.00058	1.9541
ZNF93	-1.3341	1.3341	6.7111	-5.8074	5.22E-05	0.00059	1.9276
sorbs1	-1.3341	1.3341	7.5869	-4.9268	0.000247	0.001618	0.34633
DDX18	-1.334	1.334	8.1587	-5.6237	7.15E-05	0.000722	1.6062
ZFP30	-1.3331	1.3331	6.2402	-7.8641	2.09E-06	7.27E-05	5.2014
TBRG1	-1.3328	1.3328	7.8372	-6.6113	1.39E-05	0.000247	3.2777
ar	-1.3326	1.3326	6.4249	-6.1546	2.91E-05	0.000404	2.5219
DPY19L4	-1.3289	1.3289	7.8828	-5.4332	9.97E-05	0.000898	1.2681
FREM1	-1.3282	1.3282	6.2109	-6.2323	2.56E-05	0.00037	2.6525
ZNF551	-1.3281	1.3281	6.4098	-4.9015	0.000258	0.001667	0.29944
SOSTDC1	-1.328	1.328	6.0972	-6.1728	2.83E-05	0.000397	2.5527
BTF3L4	-1.3261	1.3261	7.1984	-7.5362	3.37E-06	9.82E-05	4.7187

RPAIN	-1.3257	1.3257	7.1168	-6.8354	9.75E-06	0.000197	3.6379
RCBTB1	-1.3255	1.3255	6.9709	-6.9971	7.59E-06	0.000166	3.8933
NAT10	-1.3247	1.3247	8.1907	-5.4843	9.12E-05	0.000846	1.3593
TNRC6C	-1.324	1.324	7.1994	-7.4719	3.71E-06	0.000104	4.6223
mcph1	-1.3238	1.3238	7.1637	-5.5314	8.40E-05	0.000804	1.4431
GALC	-1.3231	1.3231	6.5939	-6.5784	1.46E-05	0.000256	3.2243
ZNF75A	-1.3228	1.3228	7.6057	-7.7098	2.62E-06	8.45E-05	4.9759
PAG1	-1.3223	1.3223	7.8218	-4.9066	0.000256	0.001657	0.30905
NAP1L1	-1.3221	1.3221	6.5341	-6.7143	1.18E-05	0.000223	3.4442
NAP1L3	-1.321	1.321	5.956	-5.1064	0.000178	0.0013	0.67709
RAD18	-1.3203	1.3203	7.2078	-5.9112	4.38E-05	0.000526	2.1071
ZNF14	-1.3202	1.3202	5.3175	-5.2252	0.000144	0.001132	0.8935
ZNF107	-1.3197	1.3197	7.4429	-5.2811	0.00013	0.001062	0.99476
EZH1	-1.3196	1.3196	8.841	-4.9773	0.000225	0.001518	0.43974
RPRD1B	-1.3194	1.3194	8.0201	-5.0939	0.000182	0.001322	0.65416
METTL25	-1.3191	1.3191	6.3709	-7.3155	4.68E-06	0.00012	4.3855
ACAT1	-1.3188	1.3188	6.6469	-5.9445	4.14E-05	0.000507	2.1643
kbtbd3	-1.3186	1.3186	6.0773	-7.2013	5.56E-06	0.000135	4.2106
ITFG1	-1.3186	1.3186	8.9929	-4.8979	0.00026	0.001675	0.29295
MGC2889	-1.3182	1.3182	5.1313	-4.9798	0.000224	0.001514	0.4443
UGT8	-1.3178	1.3178	6.4398	-6.0397	3.53E-05	0.000458	2.3271
PARG	-1.3174	1.3174	9.4888	-6.5478	1.54E-05	0.000264	3.1745
HMG5	-1.3171	1.3171	5.5007	-6.5147	1.62E-05	0.000273	3.1204
NIPAL3	-1.3165	1.3165	7.1879	-5.3798	0.00011	0.000955	1.1726
PAPD7	-1.3156	1.3156	8.2626	-5.122	0.000173	0.001277	0.70555
slx4ip	-1.3149	1.3149	7.2568	-7.1764	5.77E-06	0.000138	4.1721

CAPS2	-1.3148	1.3148	5.4487	-6.1427	2.97E-05	0.000409	2.5018
LOC285074	-1.3136	1.3136	8.7278	-7.9007	1.99E-06	7.06E-05	5.2543
SCAI	-1.3125	1.3125	6.4942	-7.0811	6.67E-06	0.000152	4.0245
SULF1	-1.3117	1.3117	6.4225	-5.7467	5.79E-05	0.000626	1.8218
CDC40	-1.3113	1.3113	7.2153	-6.7684	1.08E-05	0.000211	3.5309
ZFP69	-1.3106	1.3106	6.0734	-6.3339	2.17E-05	0.00033	2.8222
MRPS27	-1.3084	1.3084	7.4295	-6.385	2.00E-05	0.000313	2.9069
RBBP4	-1.3081	1.3081	8.8393	-5.5776	7.75E-05	0.000762	1.525
RNF146	-1.3073	1.3073	7.6177	-7.3273	4.60E-06	0.000118	4.4035
CCDC144CP	-1.3067	1.3067	5.8476	-5.1299	0.000171	0.001268	0.71992
ZNF678	-1.3064	1.3064	5.201	-6.8669	9.28E-06	0.000191	3.6879
STMN2	-1.3059	1.3059	6.3866	-5.5317	8.39E-05	0.000804	1.4436
CCDC113	-1.3055	1.3055	6.6895	-5.6539	6.79E-05	0.000699	1.6594
CBX5	-1.3054	1.3054	7.7347	-6.2643	2.43E-05	0.000356	2.7061
ITFG2	-1.3047	1.3047	7.6887	-6.9943	7.62E-06	0.000167	3.8889
DAPK1	-1.304	1.304	7.1163	-6.8436	9.63E-06	0.000196	3.6509
MED12	-1.3038	1.3038	8.3538	-5.1076	0.000178	0.001298	0.67919
CREBL2	-1.3034	1.3034	8.3927	-5.4982	8.90E-05	0.000833	1.384
VIM	-1.3033	1.3033	8.9105	-5.4904	9.02E-05	0.00084	1.3702
GLI3	-1.3016	1.3016	8.2723	-5.1434	0.000167	0.001248	0.74468
HOTAIR	-1.3012	1.3012	5.8167	-8.9054	5.03E-07	3.09E-05	6.643
ADAMTS9-AS2	-1.3008	1.3008	6.5811	-4.8615	0.000278	0.001753	0.22518
TLL1	-1.3007	1.3007	6.7029	-6.0298	3.59E-05	0.000462	2.3102
ZNF136	-1.2986	1.2986	5.7753	-7.6463	2.87E-06	8.89E-05	4.8823
CFAP69	-1.2984	1.2984	5.3232	-6.5867	1.44E-05	0.000253	3.2378
HEATR5B	-1.2967	1.2967	8.7863	-5.0292	0.000205	0.001424	0.53542

RHOBTB3	-1.2955	1.2955	6.2542	-5.7	6.27E-05	0.000661	1.7404
CLHC1	-1.2948	1.2948	5.6788	-6.0932	3.23E-05	0.000432	2.4181
PKP4	-1.2943	1.2943	8.0705	-4.8847	0.000266	0.001703	0.26845
EXOC4	-1.2942	1.2942	7.6419	-6.1143	3.12E-05	0.000423	2.4539
DCLRE1C	-1.2937	1.2937	6.6475	-5.3289	0.00012	0.001009	1.0809
IVNS1ABP	-1.2923	1.2923	9.2165	-5.1092	0.000177	0.001296	0.68206
EIF2D	-1.292	1.292	8.4693	-4.8648	0.000276	0.001745	0.23136
GNRH1	-1.2913	1.2913	6.3247	-5.9767	3.92E-05	0.000491	2.2195
GAS1RR	-1.2907	1.2907	6.045	-8.654	7.02E-07	3.73E-05	6.3073
MAPKAPK5	-1.2905	1.2905	8.6778	-5.467	9.40E-05	0.000864	1.3286
LOC100506548	-1.2899	1.2899	7.6377	-7.8733	2.07E-06	7.21E-05	5.2146
GBAS	-1.2877	1.2877	6.9833	-5.1579	0.000162	0.001227	0.77104
TRIT1	-1.2873	1.2873	7.5997	-5.5908	7.57E-05	0.00075	1.5482
VIT	-1.2867	1.2867	6.1096	-5.7643	5.62E-05	0.000617	1.8526
mettl3	-1.2848	1.2848	7.344	-6.0277	3.60E-05	0.000463	2.3067
GTPBP10	-1.2844	1.2844	7.8549	-5.6971	6.30E-05	0.000664	1.7352
MYB	-1.2835	1.2835	6.2069	-5.6841	6.45E-05	0.000676	1.7124
VPS52	-1.2822	1.2822	8.7918	-5.0597	0.000194	0.00137	0.59138
ZNF814	-1.2812	1.2812	6.3442	-10.166	1.04E-07	1.20E-05	8.2185
ZNF740	-1.2812	1.2812	6.6912	-7.1277	6.21E-06	0.000144	4.0969
CCDC82	-1.2807	1.2807	7.1373	-6.7601	1.10E-05	0.000212	3.5176
CCDC138	-1.2806	1.2806	5.6083	-5.2185	0.000146	0.001142	0.88139
KIAA0753	-1.2802	1.2802	7.3706	-7.4309	3.94E-06	0.000108	4.5606
PTCD2	-1.2801	1.2801	6.4563	-5.9823	3.88E-05	0.000487	2.2291
DIEXF	-1.2799	1.2799	7.2763	-7.4421	3.87E-06	0.000107	4.5774
ZNF70	-1.2783	1.2783	7.2581	-7.0196	7.33E-06	0.000162	3.9285

c1orf21	-1.278	1.278	9.0686	-6.3932	1.97E-05	0.000311	2.9204
MRPS25	-1.2773	1.2773	7.5519	-6.156	2.91E-05	0.000404	2.5244
MIR628	-1.2771	1.2771	4.0497	-7.6651	2.79E-06	8.72E-05	4.9101
C5ORF22	-1.2765	1.2765	8.0685	-5.4089	0.000104	0.000924	1.2247
EXTL2	-1.2758	1.2758	5.9803	-6.3238	2.21E-05	0.000334	2.8053
ZNF608	-1.2757	1.2757	6.4688	-5.4825	9.15E-05	0.000848	1.3561
CEP57	-1.2754	1.2754	7.4192	-7.0085	7.46E-06	0.000164	3.9111
INO80	-1.275	1.275	8.2495	-6.3584	2.09E-05	0.000322	2.8629
IFIT1	-1.2747	1.2747	5.5096	-5.2723	0.000132	0.001072	0.97885
GPD1L	-1.2742	1.2742	7.6503	-7.8615	2.10E-06	7.29E-05	5.1976
METTL10	-1.2722	1.2722	7.4505	-5.4573	9.56E-05	0.000873	1.3112
HULC	-1.2721	1.2721	5.4123	-5.6144	7.27E-05	0.000731	1.5899
S100PBP	-1.272	1.272	6.3443	-8.6106	7.44E-07	3.84E-05	6.2484
HPS4	-1.2715	1.2715	7.6466	-9.2902	3.06E-07	2.30E-05	7.1425
FBXO32	-1.2711	1.2711	7.4747	-6.1197	3.09E-05	0.000421	2.463
ZNF362	-1.2698	1.2698	7.4495	-6.2829	2.36E-05	0.000349	2.7372
LOC100130899	-1.2683	1.2683	7.2919	-5.2361	0.000141	0.001115	0.91328
RNASET2	-1.2677	1.2677	6.2258	-5.7892	5.38E-05	0.000601	1.896
DCAF1	-1.2671	1.2671	7.9704	-5.5195	8.57E-05	0.000813	1.4219
ZNF827	-1.267	1.267	7.3211	-7.1893	5.66E-06	0.000136	4.1922
ZNF230	-1.2667	1.2667	5.3052	-6.6298	1.35E-05	0.000242	3.3078
TBCEL	-1.2664	1.2664	7.0687	-5.5936	7.54E-05	0.000747	1.5532
PROSC	-1.2652	1.2652	8.1013	-5.2638	0.000134	0.001081	0.96345
PPIEL	-1.264	1.264	6.189	-7.2612	5.07E-06	0.000127	4.3026
PDCL2	-1.2635	1.2635	4.822	-6.3818	2.01E-05	0.000314	2.9017
XAF1	-1.2619	1.2619	7.8147	-5.9547	4.07E-05	0.000502	2.1818

WDR76	-1.2608	1.2608	7.2906	-5.0087	0.000213	0.001461	0.49757
PCGF5	-1.2604	1.2604	7.7165	-5.785	5.42E-05	0.000604	1.8886
CCDC88A	-1.2603	1.2603	6.9345	-5.1785	0.000157	0.001196	0.80856
KSR1	-1.2603	1.2603	8.3936	-5.0852	0.000185	0.001332	0.63815
IFT172	-1.2601	1.2601	6.8119	-8.3445	1.07E-06	4.87E-05	5.8833
ELP2	-1.2594	1.2594	7.5041	-5.7313	5.95E-05	0.000637	1.7949
c15orf41	-1.2589	1.2589	9.0999	-5.1283	0.000171	0.001269	0.71708
44450	-1.2566	1.2566	6.8279	-6.1332	3.02E-05	0.000414	2.4857
FZD4	-1.2565	1.2565	7.2924	-6.683	1.24E-05	0.00023	3.3937
MDM1	-1.256	1.256	5.9894	-7.3871	4.20E-06	0.000112	4.4943
TADA1	-1.2559	1.2559	7.1	-6.0445	3.50E-05	0.000456	2.3353
C11orf54	-1.2549	1.2549	7.2948	-5.4601	9.51E-05	0.00087	1.3161
NOB1	-1.2548	1.2548	9.3513	-5.9648	4.00E-05	0.000497	2.1991
BORCS7-ASMT	-1.253	1.253	6.0041	-6.5018	1.65E-05	0.000275	3.0992
POLR3B	-1.2507	1.2507	7.9919	-5.0944	0.000182	0.001322	0.65503
FTO	-1.2497	1.2497	8.6737	-7.8886	2.02E-06	7.13E-05	5.2369
SORBS2	-1.2482	1.2482	6.4186	-7.4727	3.70E-06	0.000104	4.6234
BTBD3	-1.248	1.248	7.0113	-7.2607	5.08E-06	0.000127	4.3017
sufu	-1.2477	1.2477	7.3796	-9.1551	3.64E-07	2.54E-05	6.9691
ST7L	-1.2474	1.2474	6.7579	-7.8127	2.26E-06	7.67E-05	5.1266
IFT81	-1.2469	1.2469	5.6357	-5.7581	5.68E-05	0.00062	1.8417
CDCA7L	-1.2468	1.2468	6.8476	-5.5528	8.09E-05	0.000785	1.481
TM2D1	-1.2467	1.2467	6.6832	-5.1841	0.000155	0.00119	0.81875
COG2	-1.2464	1.2464	7.0532	-6.9328	8.38E-06	0.000178	3.7921
ASF1A	-1.2462	1.2462	8.3158	-5.3152	0.000123	0.001024	1.0562
ETAA1	-1.2456	1.2456	6.5008	-5.3186	0.000122	0.00102	1.0625

EPB41L4A	-1.2445	1.2445	7.518	-4.8746	0.000271	0.001722	0.24969
SCO1	-1.2444	1.2444	7.3484	-5.0785	0.000187	0.001342	0.62596
THYN1	-1.2436	1.2436	6.7247	-5.8604	4.77E-05	0.000557	2.0194
EBF3	-1.243	1.243	6.5208	-7.6691	2.78E-06	8.69E-05	4.9159
setmar	-1.2406	1.2406	6.8633	-7.2894	4.86E-06	0.000123	4.3458
SNX19	-1.2405	1.2405	7.5015	-5.6759	6.54E-05	0.000682	1.698
TRANK1	-1.2398	1.2398	6.019	-7.3757	4.28E-06	0.000114	4.477
AADAT	-1.2377	1.2377	6.3928	-7.1907	5.65E-06	0.000136	4.1943
CRIPAK	-1.2371	1.2371	7.571	-6.8618	9.36E-06	0.000192	3.6798
MIR3925	-1.2367	1.2367	7.725	-9.5175	2.30E-07	1.98E-05	7.4296
ZNF251	-1.2355	1.2355	6.7959	-9.937	1.37E-07	1.43E-05	7.9447
ZBTB25	-1.235	1.235	6.9434	-7.8277	2.21E-06	7.57E-05	5.1485
CTTNBP2	-1.2349	1.2349	6.247	-5.1735	0.000158	0.001204	0.79954
METTL17	-1.2347	1.2347	7.954	-8.7472	6.20E-07	3.50E-05	6.4325
STARD9	-1.2345	1.2345	7.4588	-6.1879	2.76E-05	0.000389	2.578
SWT1	-1.2336	1.2336	6.3167	-6.3922	1.97E-05	0.000311	2.9188
ZNF738	-1.2328	1.2328	7.2473	-6.3945	1.97E-05	0.00031	2.9227
RFT1	-1.2326	1.2326	7.6775	-5.9063	4.41E-05	0.000529	2.0985
KLHL24	-1.2323	1.2323	7.4237	-5.013	0.000211	0.001452	0.5056
Mir148b	-1.2315	1.2315	4.5566	-5.8177	5.13E-05	0.000583	1.9454
CBWD3	-1.2312	1.2312	8.8087	-8.1254	1.45E-06	5.88E-05	5.576
MIR4473	-1.2297	1.2297	4.377	-5.6725	6.58E-05	0.000685	1.6921
IGIP	-1.2289	1.2289	6.6909	-7.3633	4.35E-06	0.000115	4.4583
TMTC4	-1.2289	1.2289	7.1194	-5.8677	4.71E-05	0.000553	2.032
HRASLS	-1.2274	1.2274	5.9158	-7.1385	6.11E-06	0.000143	4.1136
HDAC8	-1.2274	1.2274	6.6896	-4.9616	0.000232	0.001548	0.41074

INTS10	-1.2266	1.2266	7.4808	-5.6924	6.36E-05	0.000668	1.7269
NAAA	-1.226	1.226	7.9879	-5.5276	8.45E-05	0.000806	1.4364
HACL1	-1.2257	1.2257	7.737	-6.2478	2.50E-05	0.000363	2.6786
c15orf57	-1.2256	1.2256	6.782	-8.6637	6.93E-07	3.72E-05	6.3203
WDR59	-1.2249	1.2249	8.4049	-7.3623	4.36E-06	0.000115	4.4567
PNPT1	-1.2225	1.2225	7.1189	-5.4896	9.03E-05	0.000841	1.3688
ASB8	-1.2203	1.2203	6.7282	-7.7566	2.44E-06	8.08E-05	5.0447
ZNF618	-1.2202	1.2202	6.4333	-7.9308	1.90E-06	6.93E-05	5.2978
PRMT9	-1.2183	1.2183	7.1581	-5.6127	7.29E-05	0.000732	1.5869
NECAP1	-1.2174	1.2174	7.6714	-6.9243	8.49E-06	0.000179	3.7787
SCYL3	-1.2173	1.2173	8.1142	-6.5089	1.64E-05	0.000274	3.1108
SECISBP2	-1.2168	1.2168	8.464	-6.295	2.31E-05	0.000344	2.7574
FLVCR1	-1.2161	1.2161	6.8999	-5.6428	6.92E-05	0.000708	1.64
PRLR	-1.2151	1.2151	6.189	-5.285	0.00013	0.001058	1.0017
ZNF41	-1.2143	1.2143	6.2057	-6.5687	1.49E-05	0.000258	3.2084
ZNF227	-1.2134	1.2134	6.1505	-6.5637	1.50E-05	0.000259	3.2004
ATAT1	-1.2132	1.2132	7.3996	-7.9014	1.99E-06	7.06E-05	5.2554
bbx	-1.2132	1.2132	7.6072	-5.4659	9.41E-05	0.000865	1.3265
MTUS1	-1.2112	1.2112	6.6345	-7.7408	2.50E-06	8.22E-05	5.0215
ZBTB2	-1.2104	1.2104	7.6685	-5.7322	5.94E-05	0.000637	1.7966
MIR4677	-1.2101	1.2101	6.4547	-5.9499	4.10E-05	0.000504	2.1735
TBX15	-1.2097	1.2097	7.3113	-6.7667	1.09E-05	0.000211	3.5281
TMEM55A	-1.2094	1.2094	6.8181	-7.61	3.02E-06	9.17E-05	4.8286
TRIM52	-1.2086	1.2086	6.2634	-9.409	2.64E-07	2.14E-05	7.2934
CEP68	-1.208	1.208	7.4192	-8.2622	1.20E-06	5.25E-05	5.7686
LHX4-AS1	-1.208	1.208	6.4065	-6.9895	7.68E-06	0.000168	3.8814

SCMH1	-1.2067	1.2067	7.6865	-6.3371	2.16E-05	0.000329	2.8276
Mir99a	-1.2063	1.2063	6.7168	-5.7498	5.76E-05	0.000625	1.8273
MATR3	-1.2041	1.2041	7.9458	-5.58	7.72E-05	0.00076	1.5292
C2CD3	-1.2038	1.2038	7.0706	-7.8609	2.10E-06	7.29E-05	5.1967
ZC3H12C	-1.2031	1.2031	6.9637	-6.1461	2.96E-05	0.000408	2.5075
ZNF236	-1.2024	1.2024	7.7175	-5.3191	0.000122	0.00102	1.0633
BACE1-AS	-1.2022	1.2022	7.583	-6.0529	3.45E-05	0.000451	2.3496
EFHC1	-1.2018	1.2018	7.2301	-7.6776	2.74E-06	8.65E-05	4.9286
SFRP1	-1.201	1.201	8.5191	-4.8971	0.00026	0.001676	0.2913
ZFHX4	-1.2003	1.2003	6.7204	-5.9889	3.84E-05	0.000484	2.2405
CCDC122	-1.1984	1.1984	6.2729	-5.4442	9.78E-05	0.000887	1.2878
GOLGA1	-1.1982	1.1982	7.4582	-5.281	0.00013	0.001063	0.99451
TMEM147-AS1	-1.1967	1.1967	7.1916	-6.6576	1.29E-05	0.000236	3.3527
AGFG2	-1.1966	1.1966	7.4595	-6.7554	1.11E-05	0.000214	3.5102
PDPR	-1.193	1.193	7.2444	-5.0988	0.000181	0.001314	0.66305
Mir29c	-1.192	1.192	6.6105	-7.2338	5.29E-06	0.00013	4.2606
EXOSC9	-1.1917	1.1917	7.3775	-6.0876	3.26E-05	0.000434	2.4086
RAPGEF4	-1.1909	1.1909	8.2029	-5.6025	7.42E-05	0.00074	1.569
THBS3	-1.1898	1.1898	6.9024	-6.8557	9.45E-06	0.000193	3.6702
UST	-1.1893	1.1893	7.6953	-5.9247	4.28E-05	0.000518	2.1303
GDPD1	-1.1889	1.1889	6.8172	-5.596	7.51E-05	0.000744	1.5574
TMEM243	-1.1883	1.1883	7.3116	-6.9294	8.42E-06	0.000178	3.7868
TMTC2	-1.188	1.188	6.7848	-6.5629	1.50E-05	0.000259	3.199
NEXN	-1.1878	1.1878	5.1663	-5.5837	7.67E-05	0.000757	1.5357
FZD3	-1.1877	1.1877	6.5881	-4.9879	0.000221	0.001499	0.45926
ZNF3	-1.1876	1.1876	6.9788	-8.6444	7.11E-07	3.75E-05	6.2943

DSEL	-1.1869	1.1869	6.5978	-5.4887	9.05E-05	0.000842	1.3672
ZNF682	-1.1854	1.1854	5.7408	-6.7193	1.17E-05	0.000222	3.4521
STRADB	-1.1852	1.1852	6.2797	-6.5599	1.51E-05	0.00026	3.1942
RBM28	-1.1846	1.1846	7.0901	-5.0707	0.00019	0.001354	0.61164
COX10-AS1	-1.1832	1.1832	7.9755	-5.1289	0.000171	0.001268	0.71811
CC2D2A	-1.1825	1.1825	6.4275	-7.4272	3.96E-06	0.000108	4.555
DDX31	-1.1815	1.1815	6.874	-6.545	1.54E-05	0.000264	3.17
EPM2AIP1	-1.181	1.181	7.5066	-6.3926	1.97E-05	0.000311	2.9195
LDLRAD3	-1.1794	1.1794	8.3846	-5.308	0.000124	0.001032	1.0433
PTCH1	-1.1789	1.1789	6.5244	-7.3557	4.40E-06	0.000115	4.4467
PARD3B	-1.176	1.176	7.0055	-9.3466	2.85E-07	2.22E-05	7.2143
ZBTB37	-1.1747	1.1747	7.499	-7.6167	3.00E-06	9.11E-05	4.8384
ZNF711	-1.1747	1.1747	5.4267	-5.2669	0.000134	0.001078	0.96915
ZNF12	-1.1745	1.1745	8.2923	-6.5795	1.46E-05	0.000256	3.2261
HMG20A	-1.1735	1.1735	7.2156	-5.4138	0.000103	0.00092	1.2334
ZNF45	-1.1732	1.1732	6.599	-9.3528	2.83E-07	2.22E-05	7.2221
TSEN2	-1.1731	1.1731	7.183	-6.2368	2.54E-05	0.000368	2.6602
znf208	-1.1723	1.1723	5.9225	-6.7483	1.12E-05	0.000216	3.4987
NCOA2	-1.1705	1.1705	8.3086	-5.0542	0.000196	0.00138	0.58126
GON4L	-1.1698	1.1698	7.1279	-6.4376	1.83E-05	0.000295	2.9937
THOC5	-1.1662	1.1662	7.3288	-5.4748	9.27E-05	0.000855	1.3424
RSF1	-1.166	1.166	7.2042	-5.3325	0.000119	0.001006	1.0875
RNF216	-1.1659	1.1659	7.868	-5.0444	0.000199	0.001396	0.56338
RUFY2	-1.1654	1.1654	8.2319	-5.2625	0.000135	0.001082	0.96118
PAXIP1	-1.1653	1.1653	7.5571	-5.7753	5.51E-05	0.000611	1.8718
ZBTB26	-1.1651	1.1651	6.5856	-5.0239	0.000207	0.001433	0.52563

ANKS1B	-1.1649	1.1649	5.9375	-6.7435	1.13E-05	0.000217	3.491
PSD3	-1.1648	1.1648	7.0516	-5.3346	0.000119	0.001004	1.0912
DDX58	-1.1632	1.1632	8.1331	-5.5563	8.04E-05	0.000782	1.4872
MTRF1	-1.1625	1.1625	7.2232	-5.9728	3.95E-05	0.000493	2.2129
AXIN2	-1.1611	1.1611	7.4188	-6.3596	2.08E-05	0.000322	2.8649
SPDL1	-1.1611	1.1611	6.8652	-5.6418	6.93E-05	0.000709	1.6382
MFSD4A	-1.1581	1.1581	6.8296	-6.1756	2.81E-05	0.000396	2.5573
ZNF850	-1.1576	1.1576	7.3887	-5.4935	8.97E-05	0.000837	1.3758
Bcs1l	-1.1565	1.1565	7.0105	-5.4439	9.78E-05	0.000887	1.2873
CAMKMT	-1.1555	1.1555	7.4487	-7.8298	2.20E-06	7.55E-05	5.1515
ZNF577	-1.1536	1.1536	7.1544	-7.7774	2.37E-06	7.91E-05	5.0751
HECTD4	-1.1533	1.1533	8.4708	-5.5102	8.71E-05	0.000821	1.4054
DET1	-1.1526	1.1526	6.7291	-8.6767	6.81E-07	3.67E-05	6.3378
PPIL6	-1.1504	1.1504	5.7309	-5.6041	7.40E-05	0.000739	1.5717
QRSL1	-1.1498	1.1498	7.5475	-5.2879	0.000129	0.001055	1.007
FBXO9	-1.1496	1.1496	7.5373	-5.2978	0.000127	0.001043	1.0249
TBCCD1	-1.1486	1.1486	6.4689	-5.4972	8.91E-05	0.000834	1.3822
YY1AP1	-1.1484	1.1484	7.2817	-5.4468	9.73E-05	0.000883	1.2925
ZNF596	-1.1479	1.1479	6.2205	-5.5058	8.78E-05	0.000826	1.3976
TRIM4	-1.1469	1.1469	7.9435	-8.1219	1.45E-06	5.89E-05	5.571
ZNF502	-1.1438	1.1438	6.1811	-7.0292	7.22E-06	0.000161	3.9435
PRPF3	-1.1434	1.1434	7.6759	-8.5772	7.79E-07	3.93E-05	6.2031
MLH3	-1.1429	1.1429	7.1138	-5.7398	5.86E-05	0.000631	1.8099
MPHOSPH9	-1.1409	1.1409	6.7332	-6.6868	1.23E-05	0.000229	3.3999
FLJ45513	-1.1404	1.1404	6.4359	-6.2758	2.39E-05	0.000352	2.7255
DCK	-1.1395	1.1395	7.3676	-6.2065	2.67E-05	0.00038	2.6093

ADAMTSL3	-1.1394	1.1394	6.1951	-5.0659	0.000192	0.001362	0.60275
SP1	-1.1393	1.1393	9.1666	-5.3789	0.00011	0.000956	1.1709
PLXNC1	-1.139	1.139	7.0499	-5.3498	0.000115	0.000989	1.1186
EXD2	-1.1389	1.1389	6.4009	-5.1971	0.000151	0.001171	0.84239
LRIG1	-1.1388	1.1388	7.8438	-5.798	5.30E-05	0.000595	1.9113
KLHL3	-1.1378	1.1378	6.3723	-7.7541	2.45E-06	8.10E-05	5.0411
RPAP2	-1.1378	1.1378	8.2858	-5.0468	0.000198	0.001392	0.56775
ATF1	-1.1375	1.1375	8.9104	-5.4199	0.000102	0.000912	1.2444
acsm3	-1.1368	1.1368	5.3936	-7.1386	6.11E-06	0.000143	4.1137
CALML4	-1.1359	1.1359	6.0349	-6.1673	2.85E-05	0.000399	2.5433
CEP128	-1.1352	1.1352	6.2446	-9.3531	2.83E-07	2.22E-05	7.2225
MRPS31	-1.1352	1.1352	7.0389	-6.5106	1.63E-05	0.000273	3.1137
GALK2	-1.1349	1.1349	7.6087	-6.2575	2.46E-05	0.000359	2.6948
RGPD6	-1.1348	1.1348	9.7287	-5.6587	6.73E-05	0.000696	1.6678
AKAP1	-1.1337	1.1337	7.847	-5.1888	0.000154	0.001183	0.82741
UQCC1	-1.132	1.132	7.3981	-9.3358	2.89E-07	2.23E-05	7.2006
MACROD2	-1.1315	1.1315	5.3743	-6.2716	2.40E-05	0.000353	2.7184
SCIN	-1.1293	1.1293	6.0744	-5.6398	6.96E-05	0.00071	1.6346
NHS	-1.1292	1.1292	6.8221	-7.7917	2.32E-06	7.80E-05	5.0959
TYRO3P	-1.1292	1.1292	5.9388	-5.9009	4.45E-05	0.000531	2.0893
CEP63	-1.1289	1.1289	6.9758	-5.5458	8.19E-05	0.000791	1.4685
IRF2	-1.1273	1.1273	8.286	-6.7888	1.05E-05	0.000206	3.5635
USP28	-1.1266	1.1266	7.0907	-6.8636	9.33E-06	0.000192	3.6827
NOM1	-1.126	1.126	6.9902	-6.7548	1.11E-05	0.000214	3.5091
ZNF468	-1.1231	1.1231	7.0903	-5.2492	0.000138	0.001099	0.93699
CEP57L1	-1.1225	1.1225	5.2028	-4.8947	0.000262	0.00168	0.28689

VWF	-1.1217	1.1217	7.7496	-5.8018	5.27E-05	0.000594	1.9179
ARL6	-1.1211	1.1211	5.7739	-6.2712	2.41E-05	0.000353	2.7177
ANXA6	-1.1211	1.1211	8.7983	-5.1327	0.00017	0.001264	0.72502
DYX1C1- CCPG1	-1.1196	1.1196	6.1193	-6.3014	2.29E-05	0.000342	2.7681
IFT122	-1.1188	1.1188	6.9675	-8.4203	9.63E-07	4.52E-05	5.9882
CSRNP3	-1.1188	1.1188	6.1353	-7.2805	4.93E-06	0.000124	4.3321
RGPD8	-1.1174	1.1174	10.062	-5.6538	6.79E-05	0.000699	1.6593
DNM3OS	-1.1172	1.1172	6.9668	-5.3824	0.000109	0.000952	1.1772
CPQ	-1.117	1.117	6.4597	-5.4466	9.74E-05	0.000883	1.2922
TAPT1	-1.1167	1.1167	6.9843	-6.1035	3.17E-05	0.000427	2.4355
TMEM135	-1.1151	1.1151	6.8916	-6.5017	1.65E-05	0.000275	3.0991
ZNF441	-1.1146	1.1146	5.1454	-6.0925	3.23E-05	0.000432	2.4168
DCP1A	-1.1143	1.1143	7.9779	-5.5297	8.42E-05	0.000805	1.44
INTS2	-1.1142	1.1142	7.6181	-4.9431	0.000239	0.001584	0.37666
SPATA6L	-1.1136	1.1136	6.5002	-5.2684	0.000133	0.001076	0.97183
DCP1B	-1.1127	1.1127	6.6312	-7.2919	4.85E-06	0.000123	4.3496
SPAG16	-1.1113	1.1113	6.7614	-5.9638	4.01E-05	0.000497	2.1973
KANSL3	-1.11	1.11	7.6955	-5.858	4.79E-05	0.000558	2.0153
ARHGAP26	-1.1093	1.1093	7.0234	-5.5982	7.48E-05	0.000743	1.5612
NEK9	-1.1087	1.1087	7.442	-5.7752	5.51E-05	0.000611	1.8716
NTN4	-1.1061	1.1061	7.0815	-6.003	3.75E-05	0.000476	2.2644
GHRLOS	-1.106	1.106	6.4508	-6.0787	3.31E-05	0.000438	2.3935
ZNF81	-1.1059	1.1059	5.8725	-6.9544	8.10E-06	0.000174	3.8262
TMEM254-AS1	-1.105	1.105	5.427	-6.1873	2.76E-05	0.00039	2.577
CRTC3	-1.1038	1.1038	7.2902	-6.9826	7.76E-06	0.000169	3.8704

CMSS1	-1.1038	1.1038	6.8091	-5.4239	0.000101	0.000908	1.2515
PPHLN1	-1.1025	1.1025	7.2745	-4.8868	0.000265	0.001699	0.2723
HSD17B7P2	-1.101	1.101	6.7875	-6.9057	8.74E-06	0.000183	3.7494
RNF213	-1.1002	1.1002	8.1378	-5.1247	0.000172	0.001273	0.71045
TSC1	-1.0991	1.0991	8.9013	-5.5498	8.13E-05	0.000787	1.4756
USP30	-1.0989	1.0989	7.7281	-8.7201	6.43E-07	3.58E-05	6.3963
NOD1	-1.0973	1.0973	7.0856	-6.7758	1.07E-05	0.000209	3.5428
znf268	-1.0968	1.0968	6.5303	-6.5896	1.44E-05	0.000253	3.2426
GSDMB	-1.0961	1.0961	6.9687	-5.2066	0.000149	0.001158	0.8597
CFAP70	-1.0951	1.0951	6.0289	-5.9275	4.26E-05	0.000516	2.135
CALCOCO1	-1.0944	1.0944	8.4565	-5.0812	0.000186	0.001339	0.63092
KANK2	-1.0941	1.0941	7.6966	-6.3832	2.00E-05	0.000314	2.9041
ZNF131	-1.0935	1.0935	6.8764	-8.0336	1.65E-06	6.33E-05	5.4454
TCTN2	-1.0926	1.0926	7.4682	-6.3627	2.07E-05	0.000321	2.87
CEP135	-1.0925	1.0925	6.6245	-4.9013	0.000258	0.001667	0.29925
CEP112	-1.0923	1.0923	6.5199	-5.8887	4.55E-05	0.000539	2.0682
LOC100506083	-1.0919	1.0919	4.9708	-5.6175	7.23E-05	0.000728	1.5954
ANAPC1	-1.0911	1.0911	7.6057	-6.2544	2.47E-05	0.00036	2.6896
LINC01125	-1.0908	1.0908	5.1825	-5.6537	6.79E-05	0.000699	1.659
IMMP1L	-1.0905	1.0905	6.0021	-5.7215	6.05E-05	0.000646	1.7778
MIR606	-1.0901	1.0901	6.2355	-5.2962	0.000127	0.001045	1.022
TMEM144	-1.0897	1.0897	6.3321	-7.0827	6.65E-06	0.000152	4.0269
ZNF140	-1.0896	1.0896	6.2967	-5.1079	0.000178	0.001298	0.6797
VIPAS39	-1.0887	1.0887	7.718	-5.3546	0.000114	0.000984	1.1273
NIPAL2	-1.0854	1.0854	10.558	-6.2945	2.32E-05	0.000344	2.7565
PHF8	-1.0846	1.0846	6.8003	-6.4958	1.67E-05	0.000276	3.0894

TFPI	-1.0821	1.0821	6.4164	-4.9925	0.000219	0.001491	0.46774
ZNF485	-1.0809	1.0809	6.6958	-5.7564	5.69E-05	0.00062	1.8388
TIMM8A	-1.0805	1.0805	6.7641	-4.988	0.000221	0.001499	0.45957
RORA	-1.0771	1.0771	7.9801	-6.3168	2.23E-05	0.000336	2.7938
PIIH	-1.0756	1.0756	7.3178	-4.9137	0.000253	0.001642	0.32217
CLUAP1	-1.0754	1.0754	5.7395	-7.0374	7.13E-06	0.000159	3.9563
SMAD1	-1.0746	1.0746	6.6986	-6.2097	2.66E-05	0.000379	2.6148
UBE3D	-1.0743	1.0743	6.4402	-8.0725	1.56E-06	6.12E-05	5.5009
SEC31B	-1.0721	1.0721	6.4485	-8.1856	1.33E-06	5.60E-05	5.6611
USP8	-1.071	1.071	8.2834	-4.8994	0.000259	0.00167	0.29571
ZSCAN16	-1.0708	1.0708	5.6919	-7.4022	4.11E-06	0.00011	4.5172
ZNF37A	-1.0699	1.0699	6.4946	-7.5333	3.39E-06	9.83E-05	4.7143
SUPT3H	-1.0673	1.0673	6.375	-6.2764	2.38E-05	0.000352	2.7265
TRMT2B	-1.0669	1.0669	7.9277	-4.9922	0.000219	0.001491	0.46733
GRIP1	-1.0667	1.0667	7.2375	-4.8837	0.000267	0.001704	0.26642
CUL9	-1.0664	1.0664	7.4462	-8.6663	6.91E-07	3.71E-05	6.3238
DENND5A	-1.066	1.066	7.4551	-6.1489	2.94E-05	0.000406	2.5124
ZNF44	-1.0655	1.0655	6.2538	-7.9079	1.97E-06	7.06E-05	5.2648
SHQ1	-1.0641	1.0641	7.3284	-5.7965	5.32E-05	0.000596	1.9086
WDR70	-1.0639	1.0639	7.4211	-5.5965	7.50E-05	0.000744	1.5583
GPATCH11	-1.0619	1.0619	6.4726	-6.0009	3.76E-05	0.000477	2.261
GALM	-1.0614	1.0614	6.0292	-5.9256	4.27E-05	0.000518	2.1318
BOD1	-1.0614	1.0614	6.5634	-5.6346	7.02E-05	0.000714	1.6254
UNC50	-1.0612	1.0612	7.1776	-5.2722	0.000132	0.001072	0.97871
NEIL1	-1.0603	1.0603	6.6741	-6.5656	1.49E-05	0.000259	3.2034
BCO2	-1.0579	1.0579	6.3689	-7.5106	3.50E-06	0.0001	4.6803

RPIA	-1.0565	1.0565	6.6368	-5.2218	0.000145	0.001137	0.88739
MSI2	-1.0538	1.0538	7.1171	-6.5173	1.61E-05	0.000272	3.1246
C7orf31	-1.0521	1.0521	6.9245	-5.0962	0.000181	0.001319	0.65833
NRDE2	-1.0519	1.0519	6.3401	-8.7953	5.82E-07	3.36E-05	6.4969
MTERF1	-1.0507	1.0507	6.0782	-5.9458	4.13E-05	0.000506	2.1664
CBWD6	-1.0499	1.0499	7.4536	-6.6527	1.30E-05	0.000237	3.3447
NUDT7	-1.0496	1.0496	7.5827	-5.8535	4.83E-05	0.00056	2.0074
DDX20	-1.0493	1.0493	6.5865	-5.9149	4.35E-05	0.000524	2.1134
MSANTD4	-1.0491	1.0491	6.0389	-5.9288	4.25E-05	0.000516	2.1373
MCMDC2	-1.0478	1.0478	5.1743	-6.2875	2.34E-05	0.000347	2.745
PRR12	-1.0473	1.0473	7.571	-4.9803	0.000224	0.001514	0.44531
EIF4B	-1.0461	1.0461	10.122	-5.6775	6.52E-05	0.000681	1.7008
CMTM4	-1.0458	1.0458	7.5719	-5.3425	0.000117	0.000994	1.1055
LINC00963	-1.0446	1.0446	6.9976	-5.0365	0.000202	0.001411	0.54885
DNM3	-1.0421	1.0421	6.3732	-6.3993	1.95E-05	0.000308	2.9306
AASDH	-1.0421	1.0421	7.4264	-5.3673	0.000112	0.00097	1.15
MSL2	-1.0419	1.0419	8.0446	-4.9849	0.000222	0.001505	0.45383
TYW3	-1.0413	1.0413	7.1362	-4.8785	0.000269	0.001714	0.25694
UBE2G2	-1.0403	1.0403	7.2811	-4.8541	0.000282	0.001769	0.21149
RNF121	-1.0383	1.0383	6.8051	-6.949	8.17E-06	0.000175	3.8176
ISCU	-1.0347	1.0347	6.783	-5.0988	0.000181	0.001314	0.66309
DSTYK	-1.0338	1.0338	6.9592	-5.5901	7.58E-05	0.00075	1.547
DBF4	-1.0326	1.0326	6.04	-5.5224	8.53E-05	0.00081	1.427
SVIP	-1.0309	1.0309	5.6673	-6.3817	2.01E-05	0.000314	2.9014
RAD54B	-1.0306	1.0306	6.4334	-5.6298	7.08E-05	0.000718	1.6169
SPATA25	-1.0304	1.0304	6.6344	-6.6136	1.38E-05	0.000247	3.2816

HEXA	-1.0295	1.0295	7.5082	-5.3765	0.00011	0.000959	1.1665
MSS51	-1.0294	1.0294	6.446	-6.4041	1.94E-05	0.000307	2.9385
LDB2	-1.0293	1.0293	7.0707	-5.102	0.00018	0.001309	0.66898
ENTPD1-AS1	-1.0281	1.0281	5.7709	-7.6809	2.73E-06	8.65E-05	4.9334
THAP5	-1.0272	1.0272	6.2294	-4.9831	0.000223	0.001508	0.45038
BMP4	-1.0255	1.0255	6.8777	-5.3445	0.000117	0.000994	1.1092
SMC5-AS1	-1.0243	1.0243	6.4659	-4.914	0.000252	0.001642	0.32274
ARL1	-1.0242	1.0242	7.6498	-5.1293	0.000171	0.001268	0.71892
ZNF527	-1.0236	1.0236	6.1652	-5.4577	9.55E-05	0.000873	1.3119
ZNF174	-1.0219	1.0219	6.7028	-5.9133	4.36E-05	0.000525	2.1107
NUBPL	-1.0218	1.0218	6.501	-5.6353	7.01E-05	0.000714	1.6267
TRDMT1	-1.0215	1.0215	6.1813	-6.0199	3.65E-05	0.000467	2.2933
RNF214	-1.0215	1.0215	7.1621	-5.9319	4.23E-05	0.000514	2.1426
PRKD1	-1.0206	1.0206	5.9613	-4.9344	0.000243	0.001601	0.36042
CDC7	-1.0196	1.0196	6.3114	-6.5983	1.42E-05	0.000251	3.2567
DENND5B	-1.0183	1.0183	6.4554	-5.4076	0.000104	0.000925	1.2223
LOC100506746	-1.0176	1.0176	6.7743	-5.6353	7.01E-05	0.000714	1.6268
ZNF224	-1.0174	1.0174	6.16	-6.1996	2.71E-05	0.000384	2.5978
AMOT	-1.0173	1.0173	6.1582	-5.261	0.000135	0.001084	0.95844
NDUFAF7	-1.0172	1.0172	6.7094	-5.679	6.50E-05	0.000679	1.7035
syt17	-1.0168	1.0168	6.6722	-5.4345	9.95E-05	0.000897	1.2705
RPL19P12	-1.0166	1.0166	5.5065	-5.1933	0.000152	0.001177	0.83547
ZNF749	-1.0163	1.0163	6.3424	-5.0351	0.000203	0.001414	0.54618
GMDS-AS1	-1.0153	1.0153	6.0553	-4.926	0.000247	0.001619	0.34503
ETV5	-1.0108	1.0108	6.5954	-5.5166	8.62E-05	0.000816	1.4167
ANKFN1	-1.0107	1.0107	5.6048	-6.2019	2.69E-05	0.000382	2.6016

KIF22	-1.0093	1.0093	8.0344	-5.4109	0.000104	0.000922	1.2283
MORF4L2-AS1	-1.0077	1.0077	6.1002	-6.6135	1.38E-05	0.000247	3.2814
HSD11B2	-1.0077	1.0077	7.8307	-4.86	0.000279	0.001756	0.22253
NFYC-AS1	-1.007	1.007	5.8585	-5.6281	7.10E-05	0.00072	1.614
LZTFL1	-1.0066	1.0066	6.4044	-6.4065	1.93E-05	0.000307	2.9426
tctn1	-1.0066	1.0066	6.9981	-5.9374	4.19E-05	0.000511	2.1522
MRPS30	-1.0063	1.0063	7.6056	-5.0776	0.000188	0.001344	0.62431
ADCY2	-1.0061	1.0061	5.5002	-5.0095	0.000212	0.001459	0.49907
CDC42SE2	-1.006	1.006	6.7246	-5.0052	0.000214	0.001466	0.49129
BTBD8	-1.0051	1.0051	3.8931	-7.4135	4.04E-06	0.00011	4.5343
TMEM138	-1.0051	1.0051	6.9875	-5.2333	0.000142	0.001119	0.90824
SPG7	-1.0051	1.0051	7.8371	-5.1519	0.000164	0.001237	0.76016
MTMR8	-1.0044	1.0044	6.2323	-7.6309	2.93E-06	9.03E-05	4.8595
G3BP2	-1.003	1.003	6.9119	-5.5201	8.56E-05	0.000812	1.423
TTI1	-1.0028	1.0028	7.4849	-6.6346	1.34E-05	0.000241	3.3155
GMPR	-1.0011	1.0011	6.664	-5.6788	6.51E-05	0.000679	1.7031
HERC2	-1.0004	1.0004	7.6064	-5.4647	9.43E-05	0.000866	1.3245
ALS2	-1.0001	1.0001	6.9539	-5.0773	0.000188	0.001345	0.62377
STEAP1B	1.002	1.002	6.0862	6.0526	3.45E-05	0.000451	2.3491
CCDC85B	1.0032	1.0032	6.6236	5.6196	7.21E-05	0.000726	1.599
CDX1	1.0035	1.0035	6.226	6.286	2.35E-05	0.000348	2.7425
CLCF1	1.0041	1.0041	7.5386	5.2648	0.000134	0.00108	0.9653
C5orf52	1.0069	1.0069	4.5973	6.8745	9.17E-06	0.000189	3.7
CXCL2	1.0104	1.0104	6.6429	5.2524	0.000137	0.001095	0.94279
TRIML2	1.0114	1.0114	4.8119	5.1601	0.000162	0.001224	0.77516
MIR663B	1.0119	1.0119	8.8432	5.6923	6.36E-05	0.000668	1.7268

tmem88b	1.0122	1.0122	8.5968	7.4323	3.93E-06	0.000108	4.5626
KRT18	1.0126	1.0126	6.8613	5.4759	9.25E-05	0.000854	1.3444
CST3	1.0134	1.0134	10.187	5.7045	6.22E-05	0.000658	1.7481
URAD	1.0146	1.0146	5.1231	5.3819	0.000109	0.000953	1.1762
mir9-3	1.0156	1.0156	4.6783	6.3829	2.00E-05	0.000314	2.9035
NKX2-5	1.0162	1.0162	5.5313	5.7986	5.30E-05	0.000595	1.9123
BARHL1	1.0162	1.0162	7.0569	5.7034	6.24E-05	0.000659	1.7462
UTS2R	1.0187	1.0187	7.1339	6.7904	1.05E-05	0.000206	3.5661
SGMS2	1.0216	1.0216	7.9179	5.003	0.000215	0.00147	0.48716
ANKRD63	1.0254	1.0254	7.5794	7.609	3.03E-06	9.17E-05	4.8271
NAP1L4	1.0287	1.0287	6.0879	6.021	3.64E-05	0.000466	2.2952
ARGFX	1.0295	1.0295	5.2353	5.7813	5.46E-05	0.000606	1.8822
ORMDL2	1.0297	1.0297	10.973	7.6445	2.88E-06	8.90E-05	4.8796
DUSP21	1.0312	1.0312	4.8184	6.7975	1.03E-05	0.000205	3.5774
ZSCAN12P1	1.0313	1.0313	5.2799	6.3323	2.18E-05	0.000331	2.8196
ISL2	1.0315	1.0315	6.2366	7.5937	3.10E-06	9.29E-05	4.8043
HCN2	1.0316	1.0316	5.9608	4.9369	0.000242	0.001594	0.36517
LOC100128531	1.0337	1.0337	6.7552	6.5711	1.48E-05	0.000258	3.2124
PIP5KL1	1.0341	1.0341	6.6208	5.1492	0.000165	0.00124	0.75527
BSN-AS2	1.0344	1.0344	4.4176	6.861	9.37E-06	0.000192	3.6784
HGC6.3	1.0345	1.0345	5.6104	6.0383	3.54E-05	0.000458	2.3247
PQLC1	1.0353	1.0353	8.0083	6.7234	1.16E-05	0.000221	3.4587
KLF1	1.0372	1.0372	6.6302	7.6161	3.00E-06	9.11E-05	4.8376
CXCR1	1.038	1.038	7.0712	5.3638	0.000113	0.000972	1.1437
PET100	1.0391	1.0391	6.9276	5.4496	9.69E-05	0.000881	1.2974
VGLL1	1.0428	1.0428	6.4977	5.0385	0.000201	0.001407	0.55249

MIR4688	1.0448	1.0448	7.1622	6.4515	1.79E-05	0.00029	3.0167
WDR66	1.0464	1.0464	6.3349	5.6677	6.63E-05	0.000688	1.6836
GPR78	1.0471	1.0471	6.1245	4.8752	0.000271	0.001721	0.2508
ADAM8	1.0518	1.0518	6.7273	5.5819	7.69E-05	0.000759	1.5325
TMEM258	1.0537	1.0537	7.2227	5.7889	5.39E-05	0.000601	1.8954
GPR50	1.0554	1.0554	5.6536	5.7624	5.64E-05	0.000618	1.8493
LGALS17A	1.0564	1.0564	4.4721	5.2854	0.000129	0.001057	1.0026
FOXD4L5	1.0569	1.0569	5.6086	7.1765	5.77E-06	0.000138	4.1723
TINF2	1.0572	1.0572	9.5072	5.1198	0.000174	0.001281	0.70149
PHF13	1.0606	1.0606	7.8495	6.8518	9.50E-06	0.000194	3.6639
spib	1.0676	1.0676	6.5367	7.622	2.97E-06	9.09E-05	4.8463
FPR2	1.0696	1.0696	4.4683	7.6413	2.89E-06	8.93E-05	4.8748
PIRT	1.0704	1.0704	6.2372	5.1018	0.00018	0.001309	0.66858
GAL	1.0741	1.0741	6.5283	9.2155	3.37E-07	2.43E-05	7.0469
SOWAHB	1.0745	1.0745	6.075	6.2561	2.47E-05	0.00036	2.6924
LINC00887	1.0748	1.0748	5.6873	4.8786	0.000269	0.001714	0.25707
HLTF	1.076	1.076	5.9743	5.5522	8.10E-05	0.000785	1.4799
MMP13	1.0772	1.0772	4.1924	5.6051	7.39E-05	0.000738	1.5734
PCNA-AS1	1.0802	1.0802	6.6399	7.6417	2.89E-06	8.93E-05	4.8755
POU4F3	1.0846	1.0846	6.8721	6.7771	1.07E-05	0.000209	3.5449
FER1L6	1.0852	1.0852	5.8082	5.6802	6.49E-05	0.000678	1.7056
VWA1	1.0855	1.0855	7.2017	6.663	1.28E-05	0.000235	3.3615
CBLN4	1.0857	1.0857	5.0633	6.5985	1.42E-05	0.000251	3.2569
ACOT7	1.0861	1.0861	6.8901	8.0136	1.69E-06	6.45E-05	5.4168
ARHGAP5-AS1	1.0884	1.0884	7.0216	6.1354	3.01E-05	0.000413	2.4894
KLK11	1.0907	1.0907	10.664	5.4929	8.98E-05	0.000838	1.3746

PIM3	1.098	1.098	7.5846	5.3518	0.000115	0.000987	1.1222
BARX1	1.0984	1.0984	6.6338	4.9297	0.000245	0.001612	0.35174
GGN	1.0994	1.0994	5.6273	8.1641	1.37E-06	5.70E-05	5.6306
ADAMTSL5	1.1039	1.1039	6.7726	5.3464	0.000116	0.000992	1.1126
Cox6b1	1.1042	1.1042	7.5158	4.943	0.000239	0.001584	0.37645
BCKDK	1.1047	1.1047	8.8808	5.7451	5.81E-05	0.000627	1.8191
SH2D5	1.1055	1.1055	6.5994	4.9485	0.000237	0.001572	0.38663
C4orf3	1.1085	1.1085	6.6983	7.1754	5.78E-06	0.000138	4.1706
RAX	1.111	1.111	6.6337	8.085	1.53E-06	6.06E-05	5.5187
josd2	1.1157	1.1157	7.0715	5.4582	9.54E-05	0.000872	1.3128
MIR4432	1.1165	1.1165	4.1987	8.568	7.88E-07	3.96E-05	6.1906
MIR3161	1.1181	1.1181	6.999	6.4042	1.94E-05	0.000307	2.9387
c7orf57	1.1184	1.1184	6.1547	6.9999	7.56E-06	0.000166	3.8976
HMX1	1.1268	1.1268	7.0449	5.6339	7.03E-05	0.000715	1.6243
KRT14	1.1272	1.1272	12.241	6.5144	1.62E-05	0.000273	3.1199
USP17L10	1.1302	1.1302	5.4253	5.9922	3.82E-05	0.000482	2.246
LINC00273	1.1374	1.1374	6.8001	5.034	0.000203	0.001416	0.54416
SMIM3	1.1391	1.1391	6.266	4.9384	0.000242	0.001593	0.36791
TMF1	1.1403	1.1403	5.6775	5.6041	7.40E-05	0.000739	1.5716
SULF2	1.142	1.142	6.2541	7.7112	2.61E-06	8.44E-05	4.978
LOC90768	1.1421	1.1421	5.5888	7.8518	2.13E-06	7.38E-05	5.1835
TTYH3	1.1431	1.1431	7.8191	6.8328	9.79E-06	0.000197	3.6338
IGF2-AS	1.1446	1.1446	6.6488	7.886	2.03E-06	7.14E-05	5.233
TREX2	1.1447	1.1447	5.883	5.6006	7.45E-05	0.000742	1.5656
RBM38	1.1457	1.1457	6.9814	7.6905	2.69E-06	8.62E-05	4.9475
MIR4535	1.1471	1.1471	4.5058	6.6556	1.29E-05	0.000237	3.3495

CTSLP2	1.1487	1.1487	6.6677	5.9207	4.31E-05	0.00052	2.1234
sost	1.1508	1.1508	6.6604	5.7566	5.69E-05	0.00062	1.8392
NGF	1.1715	1.1715	6.1214	5.7144	6.12E-05	0.000652	1.7654
MIR4632	1.1723	1.1723	7.3035	4.9783	0.000225	0.001516	0.44155
mir92b	1.1763	1.1763	8.0446	5.117	0.000175	0.001286	0.69646
CYSRT1	1.1772	1.1772	8.1396	8.2328	1.25E-06	5.37E-05	5.7274
KLC3	1.1778	1.1778	7.5542	5.1326	0.00017	0.001264	0.725
GPR68	1.1788	1.1788	6.7734	5.6337	7.03E-05	0.000715	1.6239
MIR4486	1.1819	1.1819	6.6224	7.3179	4.66E-06	0.000119	4.3892
GLTPD2	1.1825	1.1825	5.8332	7.6811	2.73E-06	8.65E-05	4.9337
GLDC	1.1836	1.1836	5.9281	6.5972	1.42E-05	0.000252	3.2549
AURKAIP1	1.184	1.184	7.6907	7.0103	7.44E-06	0.000164	3.914
sdc1	1.1863	1.1863	9.7222	4.8523	0.000283	0.001771	0.2082
CREG2	1.187	1.187	5.5644	4.8633	0.000277	0.001747	0.22863
GPR119	1.1902	1.1902	5.7707	6.4367	1.84E-05	0.000296	2.9924
SCO2	1.1941	1.1941	7.7817	6.3372	2.16E-05	0.000329	2.8277
IRF2BP2	1.1956	1.1956	7.8931	5.4701	9.34E-05	0.00086	1.334
LYNX1	1.1957	1.1957	7.8511	7.3499	4.44E-06	0.000116	4.4379
LINC01011	1.1972	1.1972	5.3709	4.9835	0.000223	0.001507	0.45116
ZFP92	1.2018	1.2018	5.4534	5.7129	6.13E-05	0.000653	1.7629
MAPK3	1.2024	1.2024	9.2253	7.158	5.93E-06	0.00014	4.1438
MIR412	1.2025	1.2025	7.7222	5.9808	3.89E-05	0.000488	2.2265
KIAA0040	1.2033	1.2033	6.1582	6.6645	1.28E-05	0.000235	3.3639
VSIG10L	1.2093	1.2093	8.9112	5.4775	9.23E-05	0.000853	1.3472
MIR1908	1.2111	1.2111	7.7867	5.5377	8.31E-05	0.000799	1.4542
CDH26	1.2122	1.2122	7.0535	6.4046	1.94E-05	0.000307	2.9393

MIR3677	1.2145	1.2145	9.1528	6.156	2.91E-05	0.000404	2.5243
HS3ST1	1.2163	1.2163	6.5969	6.9747	7.85E-06	0.00017	3.8581
MIF	1.2213	1.2213	9.6924	6.6672	1.27E-05	0.000234	3.3683
MIR1224	1.2269	1.2269	5.8532	6.0474	3.48E-05	0.000454	2.3402
MIR1226	1.2287	1.2287	6.9946	9.8492	1.53E-07	1.55E-05	7.8385
KRTAP10-1	1.2288	1.2288	7.2328	6.1738	2.82E-05	0.000396	2.5542
ppdpf	1.231	1.231	10.324	8.3181	1.11E-06	4.98E-05	5.8466
C15orf56	1.2337	1.2337	7.2494	8.253	1.21E-06	5.27E-05	5.7557
HPCA	1.2359	1.2359	7.3059	6.3782	2.02E-05	0.000315	2.8957
IER3	1.2377	1.2377	6.6535	5.7977	5.31E-05	0.000595	1.9107
CD274	1.2418	1.2418	5.6046	5.2901	0.000128	0.001053	1.0111
MIR521-1	1.2464	1.2464	4.9445	7.5949	3.09E-06	9.29E-05	4.8061
CHST2	1.2517	1.2517	5.2079	6.3987	1.95E-05	0.000309	2.9296
NXN	1.2537	1.2537	8.7784	5.145	0.000166	0.001247	0.74748
GFOD1	1.2566	1.2566	5.9226	5.6763	6.53E-05	0.000681	1.6988
ULBP3	1.2611	1.2611	5.9999	5.4352	9.93E-05	0.000896	1.2718
MIR4469	1.2635	1.2635	6.5581	5.599	7.47E-05	0.000742	1.5628
RNF11	1.2672	1.2672	10.28	7.3004	4.78E-06	0.000122	4.3626
GPR153	1.2746	1.2746	7.9536	5.1103	0.000177	0.001295	0.68407
SFN	1.2776	1.2776	12.366	5.1832	0.000155	0.001191	0.81726
HMOX1	1.2854	1.2854	9.5505	5.3717	0.000111	0.000965	1.158
LDHAL6B	1.2862	1.2862	5.5015	5.0695	0.00019	0.001355	0.60949
AK1	1.2885	1.2885	8.1391	8.2626	1.20E-06	5.25E-05	5.7691
TSTD1	1.2901	1.2901	8.0402	6.0252	3.61E-05	0.000465	2.3024
VEGFA	1.2963	1.2963	7.9261	5.0221	0.000207	0.001435	0.52231
PDLIM7	1.2968	1.2968	7.4697	6.6974	1.21E-05	0.000227	3.417

MIR4783	1.301	1.301	5.9792	5.4568	9.57E-05	0.000873	1.3102
KLK8	1.3163	1.3163	10.289	5.7687	5.58E-05	0.000614	1.8602
CRB3	1.3181	1.3181	7.6096	5.5852	7.65E-05	0.000756	1.5383
TPI1P3	1.3195	1.3195	5.838	6.0994	3.19E-05	0.000429	2.4286
CCNA1	1.3219	1.3219	5.4812	7.9632	1.82E-06	6.73E-05	5.3445
NOP10	1.3222	1.3222	9.1076	7.773	2.39E-06	7.93E-05	5.0687
MAP7D1	1.3273	1.3273	7.878	5.7217	6.04E-05	0.000646	1.7782
CNGB1	1.3275	1.3275	6.2846	7.4623	3.76E-06	0.000105	4.6079
MFSD12	1.3275	1.3275	7.7255	5.4299	0.0001	0.000902	1.2623
MAFF	1.3291	1.3291	6.706	7.4432	3.87E-06	0.000107	4.5791
MIR4326	1.3293	1.3293	6.3073	6.488	1.69E-05	0.000278	3.0766
RNF225	1.3333	1.3333	9.0426	5.5133	8.67E-05	0.000819	1.4109
ISG20	1.3351	1.3351	6.3689	6.0716	3.34E-05	0.000442	2.3814
TMEM45B	1.3352	1.3352	9.8798	5.0739	0.000189	0.001349	0.61746
TMEM256- PLSCR3	1.3364	1.3364	8.4723	5.9449	4.14E-05	0.000507	2.165
c3orf67	1.3542	1.3542	5.9983	5.0567	0.000195	0.001375	0.58589
CLDND1	1.3566	1.3566	7.1447	7.2422	5.22E-06	0.000129	4.2734
MDFI	1.3672	1.3672	6.8133	5.676	6.54E-05	0.000682	1.6983
CSTA	1.3748	1.3748	11.971	7.8205	2.23E-06	7.61E-05	5.138
LINC00462	1.3886	1.3886	4.0764	7.4521	3.82E-06	0.000106	4.5924
SARAF	1.3904	1.3904	6.4243	4.9287	0.000246	0.001614	0.34994
DRAP1	1.3908	1.3908	8.1636	6.5285	1.58E-05	0.000269	3.1429
RCAN1	1.3948	1.3948	7.6207	7.5566	3.27E-06	9.64E-05	4.7491
ANXA1	1.4082	1.4082	12.683	6.0639	3.39E-05	0.000445	2.3683
CNFN	1.4102	1.4102	13.231	7.9135	1.95E-06	7.03E-05	5.2729

ZNF812P	1.4121	1.4121	6.0781	5.897	4.48E-05	0.000533	2.0826
S100A2	1.4135	1.4135	7.9857	6.1234	3.07E-05	0.000419	2.4692
IGFBP6	1.4135	1.4135	7.9986	5.886	4.57E-05	0.000539	2.0637
SPRR2A	1.415	1.415	7.9272	5.3715	0.000111	0.000965	1.1576
RGS20	1.4179	1.4179	6.2158	7.3509	4.44E-06	0.000116	4.4394
SH3BGRL3	1.4299	1.4299	9.146	9.9583	1.34E-07	1.41E-05	7.9703
PGAM4	1.4323	1.4323	8.4504	5.436	9.92E-05	0.000895	1.2732
EREG	1.4334	1.4334	10.687	6.031	3.58E-05	0.000462	2.3123
SPAG17	1.4337	1.4337	6.1367	7.4753	3.69E-06	0.000104	4.6274
RELL2	1.4346	1.4346	7.2126	7.4062	4.09E-06	0.00011	4.5232
NPIP3	1.4355	1.4355	9.3155	6.0106	3.70E-05	0.000472	2.2775
ARTN	1.4399	1.4399	6.3244	8.1966	1.31E-06	5.54E-05	5.6765
PDZK1IP1	1.4419	1.4419	9.4403	7.4803	3.66E-06	0.000104	4.6348
ELOVL1	1.4521	1.4521	9.8057	7.5974	3.08E-06	9.27E-05	4.8098
TM4SF19	1.4562	1.4562	7.6781	6.7975	1.03E-05	0.000205	3.5775
ceacam19	1.4567	1.4567	8.2284	6.6956	1.21E-05	0.000227	3.4141
TPGS1	1.461	1.461	6.4	5.4234	0.000101	0.000909	1.2507
LRRC20	1.4775	1.4775	7.5206	5.3626	0.000113	0.000974	1.1417
HAS3	1.4783	1.4783	7.6397	5.0941	0.000182	0.001322	0.65456
ADAMTSL4	1.4862	1.4862	6.8211	5.9225	4.29E-05	0.000519	2.1265
OASL	1.4864	1.4864	7.3444	5.7468	5.79E-05	0.000626	1.8221
ALG1L	1.492	1.492	6.4865	8.7401	6.26E-07	3.52E-05	6.4231
MIR4519	1.4933	1.4933	9.0982	6.1826	2.78E-05	0.000392	2.5692
FAM83A-AS1	1.4996	1.4996	6.0551	7.6187	2.99E-06	9.09E-05	4.8413
MIR766	1.5026	1.5026	6.8169	5.063	0.000193	0.001366	0.59743
KRT33B	1.5053	1.5053	5.5738	5.5152	8.64E-05	0.000817	1.4144

OVOL1	1.5164	1.5164	9.2297	5.0231	0.000207	0.001434	0.52425
IL36RN	1.5193	1.5193	9.1276	5.8204	5.11E-05	0.000582	1.9501
S100A14	1.5214	1.5214	10.963	7.6869	2.70E-06	8.65E-05	4.9422
MFSD10	1.5276	1.5276	8.6193	10.328	8.63E-08	1.07E-05	8.4084
CIB2	1.5286	1.5286	7.2252	8.5608	7.96E-07	3.97E-05	6.1808
RNF222	1.5359	1.5359	8.0373	7.12	6.29E-06	0.000146	4.0849
LOC100133920	1.5396	1.5396	6.4618	6.1669	2.86E-05	0.000399	2.5427
CCDC124	1.5447	1.5447	9.5965	5.97	3.96E-05	0.000494	2.2081
ULBP2	1.5556	1.5556	6.8556	8.3606	1.05E-06	4.79E-05	5.9056
SPRY4	1.5704	1.5704	7.1839	5.6373	6.99E-05	0.000712	1.6301
GPRIN1	1.5755	1.5755	6.6946	5.6711	6.59E-05	0.000686	1.6896
MIR3147	1.576	1.576	6.7533	8.4225	9.60E-07	4.52E-05	5.9912
GNRHR	1.5804	1.5804	5.0476	5.3327	0.000119	0.001006	1.0878
CSTB	1.5865	1.5865	11.483	10.601	6.29E-08	8.93E-06	8.7223
NRBF2	1.5914	1.5914	9.7686	6.2482	2.50E-05	0.000363	2.6793
PNP	1.5943	1.5943	9.1534	5.9394	4.17E-05	0.00051	2.1555
PPARD	1.618	1.618	9.8594	5.5299	8.42E-05	0.000805	1.4404
SPNS2	1.6197	1.6197	9.3198	6.2871	2.34E-05	0.000347	2.7443
CLDN4	1.6206	1.6206	6.9739	10.302	8.90E-08	1.08E-05	8.3778
MIR4708	1.6403	1.6403	5.5396	9.173	3.56E-07	2.51E-05	6.9922
TMSB10	1.6468	1.6468	12.262	11.266	2.99E-08	5.63E-06	9.4578
MIR3928	1.6488	1.6488	6.4964	6.3247	2.20E-05	0.000334	2.8069
SPRR2D	1.6552	1.6552	4.9084	4.9724	0.000227	0.001527	0.43079
NABP1	1.661	1.661	7.6283	5.4144	0.000103	0.00092	1.2345
TMEM40	1.6842	1.6842	9.6748	7.0052	7.49E-06	0.000165	3.906
LINC00520	1.6851	1.6851	5.3581	4.9041	0.000257	0.001662	0.30445

GREM1	1.6854	1.6854	7.6837	6.4151	1.90E-05	0.000304	2.9568
UNC13D	1.6903	1.6903	7.818	6.094	3.22E-05	0.000432	2.4194
PGF	1.6943	1.6943	7.5019	6.5766	1.47E-05	0.000256	3.2214
HS3ST3A1	1.7125	1.7125	6.8487	5.9253	4.27E-05	0.000518	2.1314
RNF39	1.7131	1.7131	10.299	5.3985	0.000106	0.000934	1.206
ARRDC4	1.7154	1.7154	10.446	5.1896	0.000154	0.001183	0.82876
FBN2	1.7215	1.7215	6.1212	5.9178	4.33E-05	0.000522	2.1183
MIR3152	1.7338	1.7338	3.5758	5.5305	8.41E-05	0.000805	1.4415
GIPR	1.737	1.737	7.4523	6.1143	3.12E-05	0.000423	2.4538
CRCT1	1.7402	1.7402	12.458	7.194	5.62E-06	0.000136	4.1994
NOSIP	1.7453	1.7453	8.0013	6.0363	3.55E-05	0.000459	2.3214
MIR1238	1.7544	1.7544	9.7519	8.515	8.47E-07	4.14E-05	6.1183
NAGS	1.7579	1.7579	7.2744	7.1518	5.99E-06	0.000141	4.1342
FGF11	1.7619	1.7619	8.9116	7.6033	3.05E-06	9.21E-05	4.8186
MIR4529	1.7668	1.7668	4.5628	5.5101	8.71E-05	0.000821	1.4052
SPRR3	1.7931	1.7931	7.1496	11.423	2.52E-08	5.15E-06	9.6257
MIR4781	1.7943	1.7943	5.6379	7.0399	7.10E-06	0.000158	3.9602
FBLIM1	1.8033	1.8033	6.5667	4.923	0.000248	0.001625	0.3394
HMOX2	1.8204	1.8204	8.4588	7.2428	5.22E-06	0.000129	4.2743
DSG3	1.8457	1.8457	11.917	8.0999	1.50E-06	6.01E-05	5.5397
CCNE1	1.8493	1.8493	7.0756	4.8562	0.000281	0.001765	0.2154
ZNF878	1.8672	1.8672	6.0604	5.1511	0.000164	0.001238	0.75866
USP43	1.8733	1.8733	7.1136	4.8661	0.000276	0.001742	0.2339
RAP1GAP	1.8735	1.8735	6.8593	6.2749	2.39E-05	0.000352	2.7239
MIR520E	1.8745	1.8745	6.3954	5.6921	6.36E-05	0.000668	1.7264
TXN	1.8778	1.8778	10.907	7.2405	5.24E-06	0.000129	4.2709

JUNB	1.8829	1.8829	10.408	5.5195	8.57E-05	0.000813	1.4219
SPHK1	1.8836	1.8836	7.6763	5.7676	5.59E-05	0.000615	1.8583
fgfbp1	1.8939	1.8939	8.4467	4.8521	0.000283	0.001771	0.20779
UBE2L3	1.903	1.903	8.1435	7.0009	7.54E-06	0.000166	3.8993
ADAP2	1.9136	1.9136	9.6555	7.9085	1.97E-06	7.06E-05	5.2656
EPN1	1.9148	1.9148	8.8268	8.2529	1.21E-06	5.27E-05	5.7556
AMPD3	1.9181	1.9181	7.9098	6.9779	7.82E-06	0.00017	3.8631
FUT2	1.9217	1.9217	7.1167	5.0877	0.000184	0.001331	0.64278
ETHE1	1.9514	1.9514	9.2098	6.2331	2.56E-05	0.00037	2.6539
KCTD11	1.9542	1.9542	9.206	5.6706	6.60E-05	0.000686	1.6887
RIMS3	1.9592	1.9592	8.0909	5.8083	5.21E-05	0.000589	1.9292
DUSP5	1.9674	1.9674	8.0214	5.4405	9.84E-05	0.000891	1.2812
PTHLH	1.9716	1.9716	5.3123	5.5413	8.25E-05	0.000795	1.4605
krt17	1.9721	1.9721	7.0904	7.4427	3.87E-06	0.000107	4.5784
GPX3	1.9921	1.9921	7.651	6.4648	1.76E-05	0.000286	3.0386
RHOD	2.0087	2.0087	10.439	13.997	1.98E-09	1.41E-06	12.091
TMEM54	2.0172	2.0172	9.3557	10.53	6.83E-08	9.40E-06	8.641
SAMD9	2.0201	2.0201	8.6483	3.7033	0.002494	0.007987	-1.9879
MMP12	2.026	2.026	5.1746	4.0073	0.001385	0.005285	-1.3983
PGAM1	2.0826	2.0826	8.517	5.5291	8.43E-05	0.000805	1.4389
RNF122	2.0976	2.0976	7.8381	5.3337	0.000119	0.001005	1.0897
HCAR2	2.0994	2.0994	6.5526	5.4353	9.93E-05	0.000896	1.272
MXD1	2.1025	2.1025	10.143	6.0937	3.22E-05	0.000432	2.4189
HIF1A-AS2	2.1048	2.1048	5.7084	5.6529	6.80E-05	0.0007	1.6576
TTC9	2.1154	2.1154	9.2944	9.5736	2.15E-07	1.91E-05	7.4996
ZNF426	2.1202	2.1202	9.2321	7.3455	4.47E-06	0.000116	4.4313

IL1RN	2.1308	2.1308	9.4248	8.6334	7.22E-07	3.78E-05	6.2794
JHDM1D-AS1	2.1331	2.1331	7.9705	4.6016	0.000449	0.002428	-0.26163
DHRS9	2.1496	2.1496	6.6501	4.4476	0.000599	0.00297	-0.55346
LCN2	2.1584	2.1584	7.8074	6.1706	2.84E-05	0.000398	2.5489
PNLIPRP3	2.1619	2.1619	9.6449	7.0678	6.81E-06	0.000153	4.0037
VTRNA1-1	2.2016	2.2016	8.9689	5.2928	0.000128	0.00105	1.016
PAQR5	2.2052	2.2052	9.3437	7.8386	2.17E-06	7.49E-05	5.1643
HILPDA	2.2067	2.2067	8.8467	4.2426	0.000883	0.003866	-0.94504
ERO1A	2.2099	2.2099	9.6924	6.3186	2.23E-05	0.000336	2.7967
SESN2	2.2228	2.2228	8.0731	5.76	5.66E-05	0.000619	1.8451
ANKRD31	2.227	2.227	6.7626	7.5032	3.54E-06	0.000101	4.6692
IGFL2	2.24	2.24	9.3268	5.8978	4.48E-05	0.000533	2.0839
CD24	2.2694	2.2694	11.228	14.082	1.83E-09	1.39E-06	12.164
CYTOR	2.2717	2.2717	9.3353	6.3465	2.13E-05	0.000326	2.8431
CLIC3	2.2756	2.2756	8.4905	13.991	1.99E-09	1.41E-06	12.086
EEF1A2	2.2851	2.2851	7.9733	8.6263	7.29E-07	3.80E-05	6.2698
USP2	2.2938	2.2938	6.1241	4.1659	0.001022	0.004279	-1.0924
NOCT	2.3259	2.3259	8.2023	4.7844	0.00032	0.001924	0.081568
DKK4	2.3271	2.3271	5.8193	3.7564	0.002249	0.007437	-1.8847
ULBP1	2.3344	2.3344	4.9852	6.008	3.72E-05	0.000474	2.273
TM4SF1	2.3468	2.3468	10.24	7.7078	2.62E-06	8.46E-05	4.973
S100A7	2.3728	2.3728	12.375	3.7659	0.002208	0.007343	-1.8663
ANKRD37	2.3779	2.3779	8.1276	4.7615	0.000334	0.001981	0.038865
LYPD5	2.3866	2.3866	11.041	7.3248	4.61E-06	0.000119	4.3997
CD68	2.3926	2.3926	10.601	5.5437	8.22E-05	0.000793	1.4649
KRT37	2.3985	2.3985	7.9557	4.8684	0.000274	0.001737	0.23816

NPTX1	2.4259	2.4259	6.8474	5.2403	0.00014	0.00111	0.92087
KLK9	2.4342	2.4342	8.1163	6.386	1.99E-05	0.000313	2.9085
PPIF	2.4394	2.4394	10.791	9.2181	3.36E-07	2.43E-05	7.0503
ANGPTL4	2.4918	2.4918	8.2238	7.9625	1.82E-06	6.74E-05	5.3435
qsox1	2.4938	2.4938	10.303	9.4164	2.61E-07	2.14E-05	7.3026
CCL20	2.4991	2.4991	5.6406	6.2515	2.48E-05	0.000361	2.6849
KRT16P2	2.5169	2.5169	10.578	9.3829	2.72E-07	2.19E-05	7.2604
HBEGF	2.5185	2.5185	8.4798	4.5939	0.000456	0.002453	-0.27619
EIF4EBP1	2.5285	2.5285	8.0526	9.7362	1.76E-07	1.69E-05	7.7005
ACP7	2.5377	2.5377	8.6002	9.1936	3.46E-07	2.47E-05	7.0187
PGLYRP4	2.5439	2.5439	9.0491	6.9202	8.55E-06	0.00018	3.7723
IVL	2.5491	2.5491	10.77	5.7764	5.50E-05	0.00061	1.8736
STK17A	2.5838	2.5838	8.9179	5.938	4.18E-05	0.000511	2.1532
Rnf223	2.5865	2.5865	8.5356	8.314	1.11E-06	4.99E-05	5.8409
KLK6	2.5976	2.5976	7.9631	5.3353	0.000118	0.001003	1.0925
LCE3C	2.598	2.598	7.2043	4.2955	0.000799	0.003609	-0.84368
FCHSD1	2.6014	2.6014	8.9949	7.2633	5.06E-06	0.000126	4.3057
ANXA3	2.6071	2.6071	8.7093	5.8409	4.93E-05	0.000568	1.9856
RAET1L	2.6193	2.6193	4.7008	5.9116	4.37E-05	0.000526	2.1076
SLAMF7	2.6223	2.6223	8.0657	7.4066	4.08E-06	0.00011	4.5238
VTRNA1-3	2.6675	2.6675	7.3043	10.493	7.13E-08	9.52E-06	8.5985
SLPI	2.7118	2.7118	12.212	12.298	1.01E-08	3.24E-06	10.522
BNIP3	2.7455	2.7455	10.388	12.189	1.13E-08	3.36E-06	10.414
SPRR1B	2.7626	2.7626	10.698	7.6531	2.84E-06	8.83E-05	4.8923
DSC2	2.7768	2.7768	11.798	9.4173	2.61E-07	2.14E-05	7.3038
KLK10	2.7785	2.7785	9.9892	10.449	7.50E-08	9.74E-06	8.5479

SPRR1A	2.8105	2.8105	12.115	5.1272	0.000172	0.00127	0.71505
CALB2	2.8407	2.8407	7.1208	6.597	1.42E-05	0.000252	3.2546
TREM1	2.8873	2.8873	7.0896	4.8694	0.000274	0.001735	0.23993
DDIT4	2.8991	2.8991	8.6143	6.9244	8.49E-06	0.000179	3.7788
MIR4461	3.018	3.018	7.5746	12.714	6.66E-09	2.74E-06	10.925
LCE3E	3.0186	3.0186	11.409	7.9869	1.76E-06	6.57E-05	5.3785
UBC	3.0685	3.0685	8.8632	10.508	7.01E-08	9.47E-06	8.6162
SPRR4	3.0883	3.0883	7.9739	11.352	2.72E-08	5.40E-06	9.5506
AJAP1	3.1176	3.1176	7.9835	6.8614	9.36E-06	0.000192	3.6791
HK2	3.1403	3.1403	9.9425	8.968	4.64E-07	2.97E-05	6.7255
LINC00707	3.1432	3.1432	7.477	4.8559	0.000281	0.001765	0.21486
IL24	3.1661	3.1661	6.5979	4.6905	0.000381	0.002171	-0.09425
ADM	3.1937	3.1937	8.0805	10.834	4.83E-08	7.41E-06	8.9851
UPK1B	3.2201	3.2201	7.8668	5.3591	0.000114	0.000978	1.1354
KRT16P3	3.2348	3.2348	8.5826	12.203	1.11E-08	3.34E-06	10.427
KRT6A	3.2774	3.2774	9.0528	5.4201	0.000102	0.000912	1.2447
IGFL1	3.2888	3.2888	8.0311	3.6365	0.00284	0.008749	-2.1177
ODC1	3.3483	3.3483	9.3093	5.3128	0.000123	0.001027	1.052
C15ORF48	3.3891	3.3891	6.5233	5.3495	0.000116	0.000989	1.1181
AREG	3.3962	3.3962	8.8029	7.812	2.26E-06	7.67E-05	5.1256
SPRR2C	3.4878	3.4878	7.4006	11.006	3.98E-08	6.52E-06	9.1757
PTGS2	3.5773	3.5773	8.577	3.7427	0.00231	0.007582	-1.9114
KRT16	3.581	3.581	11.13	7.1159	6.33E-06	0.000146	4.0785
MIR31HG	3.653	3.653	6.6852	6.6468	1.31E-05	0.000239	3.3353
fosl1	3.6835	3.6835	8.5802	11.431	2.50E-08	5.15E-06	9.6348
KLK12	3.6871	3.6871	7.1892	9.271	3.14E-07	2.33E-05	7.118

S100A7A	3.7248	3.7248	7.7445	10.101	1.13E-07	1.26E-05	8.1408
CDA	3.8504	3.8504	9.7172	11.133	3.46E-08	6.06E-06	9.3144
S100A8	3.9076	3.9076	11.004	5.5996	7.46E-05	0.000742	1.5638
KRT6B	3.9191	3.9191	9.7198	8.904	5.04E-07	3.10E-05	6.6411
CXCL8	3.9211	3.9211	6.5251	5.5168	8.61E-05	0.000816	1.4172
KRT75	3.9666	3.9666	7.6793	6.612	1.39E-05	0.000247	3.2789
epgn	4.2933	4.2933	9.0699	8.0795	1.54E-06	6.09E-05	5.5108
LCE3A	4.3822	4.3822	9.6826	7.4076	4.08E-06	0.00011	4.5254
UPP1	4.4038	4.4038	8.0125	12.568	7.69E-09	2.93E-06	10.786
cldn17	4.5538	4.5538	6.6544	7.9802	1.78E-06	6.62E-05	5.3689
PRR9	4.653	4.653	8.5028	8.8834	5.18E-07	3.14E-05	6.6139
SPRR2F	4.8227	4.8227	8.442	9.2041	3.42E-07	2.45E-05	7.0322
S100A9	5.0189	5.0189	10.166	8.7041	6.57E-07	3.64E-05	6.3747
Spr2b	5.1644	5.1644	8.7228	8.8258	5.59E-07	3.29E-05	6.5375
KRT6C	5.5106	5.5106	8.1199	5.7852	5.42E-05	0.000604	1.8889
MMP1	6.0366	6.0366	6.6277	7.4466	3.85E-06	0.000107	4.5841
HEPHL1	6.2881	6.2881	8.4195	14.383	1.40E-09	1.22E-06	12.42
S100A12	6.6922	6.6922	8.5847	34.135	1.63E-14	6.72E-10	21.645

LogFC, logarithm of the fold change. abslogfc, absolute value of logFC. AveExpr, average expression. adj.P.Val, adjusted p-value.

Supplementary Table 4. The Differential Gene Analysis Results of Dataset GSE134431 by NetworkAnalyst Website.

Symbols	logFC	abslogfc	AveExpr	t	P.Value	adj.P.Val	B	EntrezID
TXNIP	-74.878	74.878	69.523	-5.1392	0.00016	0.019209	1.1483	10628
MT1X	-73.066	73.066	63.965	-3.7775	0.002108	0.046399	-1.2851	4501
SNORA57	-69.35	69.35	85.442	-4.3572	0.000687	0.031179	-0.22474	692158
NOP53	-50.74	50.74	66.633	-5.0603	0.000185	0.020979	1.0135	29997
SCARNA17	-46.931	46.931	54.108	-4.4375	0.00059	0.02983	-0.08038	677769
SCGB2A2	-44.479	44.479	23.854	-3.6916	0.002494	0.049831	-1.444	4250
NFIX	-26.436	26.436	24.73	-5.5555	7.63E-05	0.015265	1.8442	4784
FGFR3	-23.916	23.916	24.635	-4.9798	0.000214	0.021555	0.87509	2261
PNRC1	-23.392	23.392	53.681	-4.1758	0.000973	0.033974	-0.55375	10957
SCARNA6	-21.013	21.013	17.206	-3.8999	0.00166	0.04144	-1.0592	677772
CIRBP	-17.188	17.188	25.357	-4.6709	0.00038	0.024927	0.33555	1153
EEF2K	-13.54	13.54	11.823	-4.6254	0.000414	0.025503	0.255	29904
SCGB1D2	-13.219	13.219	7.0553	-4.1877	0.000951	0.033974	-0.53195	10647
NFIC	-12.501	12.501	18.417	-3.753	0.002212	0.047421	-1.3305	4782
FAT2	-11.938	11.938	22.196	-3.8636	0.001782	0.042674	-1.1262	2196
NPIP3	-10.271	10.271	13.929	-3.828	0.00191	0.044358	-1.1919	23117
KRT77	-9.5966	9.5966	5.9455	-4.0235	0.001306	0.038682	-0.8321	374454
SNORD94	-9.5751	9.5751	8.1931	-4.2098	0.000912	0.033639	-0.49178	692225
SLC12A2	-9.0117	9.0117	8.3297	-3.9314	0.001562	0.040861	-1.0013	6558
NDRG2	-8.5835	8.5835	9.264	-8.609	6.70E-07	0.002829	6.1127	57447
PTPRS	-8.4981	8.4981	8.6889	-5.0063	0.000204	0.021202	0.92076	5802

MLLT6	-8.3391	8.3391	9.7006	-4.0427	0.001258	0.038005	-0.79688	4302
STAC2	-8.0865	8.0865	4.3956	-4.8468	0.000274	0.023957	0.64431	342667
FGFR2	-7.8638	7.8638	7.0911	-9.2124	3.01E-07	0.00254	6.7937	2263
SYNE2	-7.5343	7.5343	10.851	-4.9	0.000248	0.023296	0.73692	23224
PPP1R1B	-7.3662	7.3662	3.9876	-4.7218	0.000346	0.024681	0.42517	84152
BCL6	-7.1199	7.1199	10.261	-4.6401	0.000403	0.025177	0.28105	604
NFIB	-7.0896	7.0896	8.3976	-4.0861	0.001157	0.036621	-0.71735	4781
VPS13D	-6.6226	6.6226	14.797	-3.7348	0.002292	0.048121	-1.3641	55187
PLLP	-6.4578	6.4578	4.6582	-3.776	0.002114	0.046417	-1.2879	51090
PRR12	-6.3411	6.3411	8.2142	-4.293	0.000777	0.032558	-0.34074	57479
BOC	-6.2915	6.2915	5.3766	-6.196	2.55E-05	0.01104	2.8615	91653
DCT	-6.0525	6.0525	3.7399	-5.0235	0.000198	0.021202	0.95031	1638
SMARCA2	-5.9191	5.9191	9.1301	-6.0477	3.27E-05	0.012841	2.6317	6595
LRIG3	-5.7769	5.7769	8.7388	-5.0743	0.00018	0.020943	1.0375	121227
TCEA3	-5.6954	5.6954	5.2145	-5.4758	8.78E-05	0.016668	1.713	6920
MED13L	-5.6704	5.6704	15.434	-3.7376	0.002279	0.048036	-1.3589	23389
SMARCD2	-5.164	5.164	11.057	-5.256	0.00013	0.018518	1.3463	6603
FOXK1	-5.1082	5.1082	9.1449	-4.006	0.001351	0.03887	-0.86424	221937
PIK3IP1	-5.102	5.102	6.853	-6.9241	7.86E-06	0.007803	3.9374	113791
ATP6V1B1	-4.8274	4.8274	2.6921	-3.7886	0.002063	0.045888	-1.2647	525
NEO1	-4.8124	4.8124	5.9023	-5.5574	7.61E-05	0.015265	1.8473	4756
TBC1D8	-4.6255	4.6255	5.8525	-5.222	0.000138	0.018518	1.2887	11138
KDM3B	-4.4835	4.4835	8.8334	-5.2803	0.000124	0.018518	1.3872	51780
ACVR1B	-4.455	4.455	7.7508	-4.2217	0.000891	0.033639	-0.47023	91
F10	-4.4526	4.4526	3.3234	-3.8882	0.001698	0.041804	-1.0808	2159
KAT2A	-4.4001	4.4001	5.9072	-4.2885	0.000784	0.032558	-0.34902	2648

GOLGA8B	-4.3473	4.3473	4.7897	-4.092	0.001144	0.036431	-0.70654	440270
TANC1	-4.2515	4.2515	6.1783	-4.292	0.000779	0.032558	-0.34269	85461
FAM53B	-4.1455	4.1455	7.262	-3.8903	0.001691	0.041804	-1.0769	9679
SPRY1	-4.138	4.138	7.3098	-4.7093	0.000354	0.024681	0.40324	10252
DTX2	-4.0804	4.0804	6.5786	-4.532	0.000493	0.027666	0.088828	113878
CGNL1	-4.0557	4.0557	2.8404	-6.3692	1.91E-05	0.009508	3.1251	84952
LRIG1	-4.03	4.03	4.9364	-4.9191	0.00024	0.023	0.77012	26018
CES1	-4.0203	4.0203	3.2245	-3.688	0.002512	0.049894	-1.4508	1066
CTSF	-4.0089	4.0089	5.5247	-4.3134	0.000747	0.032252	-0.30389	8722
BBS2	-3.9681	3.9681	5.0991	-5.066	0.000183	0.020943	1.0234	583
IL11RA	-3.9312	3.9312	3.5573	-3.825	0.001921	0.04443	-1.1973	3590
NUAK1	-3.9307	3.9307	4.1831	-5.0649	0.000184	0.020943	1.0215	9891
KIT	-3.8994	3.8994	3.8116	-5.1923	0.000146	0.018518	1.2385	3815
KCNK5	-3.8353	3.8353	2.8936	-4.8471	0.000274	0.023957	0.64479	8645
KAT7	-3.77	3.77	8.843	-3.8151	0.001959	0.044855	-1.2156	11143
CBX7	-3.761	3.761	3.4662	-5.6511	6.46E-05	0.015265	2.0002	23492
KRT8	-3.7579	3.7579	2.3753	-4.0172	0.001322	0.038682	-0.84362	3856
COQ8A	-3.7575	3.7575	3.5981	-5.0473	0.00019	0.021198	0.99122	56997
SLC25A23	-3.7518	3.7518	4.5934	-4.2768	0.000802	0.032687	-0.37009	79085
DTX2P1-UPK3BP1- PMS2P11	-3.7183	3.7183	3.6347	-4.6494	0.000396	0.024927	0.29749	441263
YLPM1	-3.6936	3.6936	6.6847	-5.2179	0.000139	0.018518	1.282	56252
ETV3	-3.677	3.677	7.8053	-5.6068	6.98E-05	0.015265	1.9281	2117
XPC	-3.6694	3.6694	5.1157	-4.9849	0.000212	0.021481	0.88393	7508
VPS26B	-3.6605	3.6605	8.0341	-4.7342	0.000338	0.024681	0.44716	112936
ARHGEF19	-3.6066	3.6066	3.5799	-4.3878	0.000649	0.030245	-0.16961	128272

CHD2	-3.6046	3.6046	9.1006	-4.187	0.000952	0.033974	-0.5332	1106
MATN2	-3.5635	3.5635	5.3779	-4.7698	0.000316	0.024681	0.50955	4147
LFNG	-3.5261	3.5261	4.7622	-3.7744	0.002121	0.0465	-1.2908	3955
MOV10	-3.5128	3.5128	5.2696	-4.4827	0.000542	0.028585	0.000738	4343
POLR2J2	-3.4927	3.4927	6.1534	-3.7012	0.002448	0.049465	-1.4263	246721
SLC12A7	-3.4771	3.4771	3.831	-4.1213	0.001081	0.035215	-0.65305	10723
NFIA	-3.4597	3.4597	4.8848	-3.9462	0.001517	0.040568	-0.97409	4774
TBC1D4	-3.4441	3.4441	5.3375	-6.6727	1.17E-05	0.00898	3.5756	9882
WASH8P	-3.4423	3.4423	5.0396	-4.8625	0.000266	0.023777	0.67166	1E+08
THRA	-3.4201	3.4201	4.4462	-4.4171	0.000613	0.030105	-0.11694	7067
FAXDC2	-3.3494	3.3494	2.9027	-4.6681	0.000382	0.024927	0.33058	10826
TMEM63A	-3.3469	3.3469	4.1468	-4.7286	0.000341	0.024681	0.43721	9725
GOSR1	-3.3306	3.3306	9.3355	-4.9912	0.00021	0.021481	0.89465	9527
SNX1	-3.3159	3.3159	7.0339	-5.2162	0.00014	0.018518	1.279	6642
GSTM2	-3.3034	3.3034	2.9829	-4.617	0.000421	0.02556	0.24004	2946
DCAF8	-3.3013	3.3013	9.9539	-4.5992	0.000435	0.025846	0.20848	50717
KMT2A	-3.2981	3.2981	5.8318	-4.2319	0.000874	0.033373	-0.45167	4297
GGA2	-3.2221	3.2221	4.5879	-5.2464	0.000132	0.018518	1.33	23062
MAVS	-3.2197	3.2197	7.0697	-3.7579	0.00219	0.04731	-1.3213	57506
PMS2P7	-3.181	3.181	3.1488	-5.6759	6.18E-05	0.015265	2.0404	1E+08
AKAP1	-3.1509	3.1509	4.0523	-6.6847	1.15E-05	0.00898	3.5931	8165
SOX10	-3.1406	3.1406	1.8182	-5.1581	0.000155	0.019035	1.1806	6663
DEF6	-3.1116	3.1116	4.398	-4.3234	0.000733	0.032145	-0.28579	50619
CEP68	-3.0528	3.0528	3.8824	-7.3697	3.96E-06	0.006284	4.5543	23177
MDM4	-3.0275	3.0275	5.1204	-3.7122	0.002396	0.049051	-1.406	4194
CHD6	-3.0274	3.0274	4.096	-7.2449	4.78E-06	0.006284	4.3847	84181

LOC100506990	-3.0183	3.0183	2.8162	-4.2586	0.00083	0.032807	-0.40322	1.01E+08
STAG3L2	-3.0057	3.0057	5.2679	-3.9098	0.001628	0.041076	-1.041	442582
DCAKD	-2.9983	2.9983	4.2993	-7.2227	4.95E-06	0.006284	4.3542	79877
COL4A5	-2.9946	2.9946	4.2248	-4.2156	0.000901	0.033639	-0.4812	1287
PCIF1	-2.9908	2.9908	7.0327	-3.6922	0.002491	0.049831	-1.4429	63935
MCC	-2.9801	2.9801	6.3286	-4.7851	0.000307	0.024681	0.5364	4163
TRIM35	-2.9592	2.9592	5.6854	-5.5516	7.69E-05	0.015265	1.8377	23087
TRRAP	-2.9248	2.9248	5.9237	-5.2193	0.000139	0.018518	1.2842	8295
SPG7	-2.8822	2.8822	5.7098	-4.2134	0.000905	0.033639	-0.48523	6687
BCL11B	-2.8545	2.8545	4.7895	-4.2777	0.0008	0.032687	-0.36853	64919
SIPA1L3	-2.8229	2.8229	4.8647	-3.8054	0.001996	0.045305	-1.2336	23094
GPRC5C	-2.8228	2.8228	3.0966	-4.7192	0.000347	0.024681	0.42061	55890
GALT	-2.8207	2.8207	4.4241	-4.5637	0.000465	0.026801	0.14535	2592
AUTS2	-2.813	2.813	4.5295	-4.6715	0.00038	0.024927	0.33647	26053
HERC2	-2.7791	2.7791	5.8321	-4.0344	0.001278	0.038337	-0.81198	8924
FANCC	-2.775	2.775	3.3085	-4.0707	0.001192	0.037069	-0.74551	2176
MDN1	-2.76	2.76	4.8889	-5.4271	9.57E-05	0.016835	1.6324	23195
VPS39	-2.76	2.76	8.2002	-4.0165	0.001324	0.038682	-0.84493	23339
CACHD1	-2.7424	2.7424	2.6094	-9.3882	2.40E-07	0.00254	6.9832	57685
TNRC6B	-2.7366	2.7366	5.452	-5.3528	0.000109	0.018086	1.5086	23112
THSD4	-2.7147	2.7147	2.8751	-5.4301	9.52E-05	0.016835	1.6373	79875
HIVEP3	-2.6939	2.6939	2.9049	-4.9605	0.000222	0.022069	0.84174	59269
SPEN	-2.6724	2.6724	8.0553	-3.7853	0.002076	0.045937	-1.2707	23013
CUL9	-2.6696	2.6696	3.3456	-4.6573	0.00039	0.024927	0.31145	23113
EZH1	-2.6627	2.6627	4.285	-6.3903	1.85E-05	0.009508	3.1568	2145
EP400	-2.654	2.654	5.8223	-4.0462	0.00125	0.037875	-0.79036	57634

CHL1	-2.651	2.651	2.747	-3.7511	0.00222	0.047421	-1.3339	10752
LINC02256	-2.6413	2.6413	3.1118	-3.6943	0.002481	0.049831	-1.4391	1.01E+08
TAF1	-2.6204	2.6204	4.2287	-6.3757	1.89E-05	0.009508	3.135	6872
AGO1	-2.6101	2.6101	5.4562	-4.0537	0.001232	0.037681	-0.77672	26523
BCL11A	-2.5937	2.5937	2.5412	-6.9402	7.66E-06	0.007803	3.9602	53335
PADI2	-2.5808	2.5808	1.7807	-5.9969	3.56E-05	0.013026	2.5522	11240
VIPR1	-2.5605	2.5605	4.7523	-3.9147	0.001613	0.040892	-1.0319	7433
SIN3A	-2.5528	2.5528	5.4755	-4.1028	0.00112	0.036157	-0.68681	25942
GATAD2B	-2.5507	2.5507	5.867	-4.6088	0.000427	0.02575	0.22543	57459
LOC100130744	-2.5357	2.5357	3.2466	-4.5585	0.000469	0.026801	0.13605	1E+08
EVA1C	-2.5204	2.5204	3.3853	-4.153	0.001017	0.034679	-0.59512	59271
STX16	-2.4674	2.4674	8.8555	-3.7103	0.002405	0.049083	-1.4095	8675
DPH1	-2.447	2.447	4.8348	-3.9674	0.001456	0.039967	-0.935	1801
S100A1	-2.4359	2.4359	1.4688	-5.2021	0.000143	0.018518	1.2551	6271
GLI3	-2.4356	2.4356	5.4256	-4.6724	0.000379	0.024927	0.33819	2737
GFRA1	-2.3862	2.3862	1.3474	-3.8342	0.001887	0.043944	-1.1804	2674
WNK2	-2.3783	2.3783	1.2856	-4.6941	0.000364	0.024927	0.37643	65268
ZG16B	-2.3682	2.3682	1.3677	-3.9213	0.001592	0.040861	-1.0198	124220
ZZEF1	-2.3645	2.3645	6.4415	-4.4866	0.000538	0.028585	0.007627	23140
SYNGR1	-2.3629	2.3629	2.923	-3.978	0.001426	0.039927	-0.91549	9145
POLE	-2.3567	2.3567	3.6007	-5.2237	0.000138	0.018518	1.2918	5426
RBM33	-2.3321	2.3321	5.4851	-4.1853	0.000956	0.033974	-0.53642	155435
KCNN4	-2.3289	2.3289	2.0955	-4.3785	0.00066	0.030358	-0.18639	3783
TARBP1	-2.3213	2.3213	3.925	-4.8189	0.000289	0.024601	0.59569	6894
KCND3	-2.316	2.316	2.7752	-4.7128	0.000351	0.024681	0.40944	3752
PNPLA7	-2.3052	2.3052	1.6981	-4.0832	0.001163	0.036644	-0.72272	375775

NTRK2	-2.2689	2.2689	1.8434	-4.563	0.000465	0.026801	0.14408	4915
ABCA6	-2.2668	2.2668	1.8666	-3.7954	0.002035	0.045636	-1.252	23460
TMEM198B	-2.255	2.255	2.81	-4.871	0.000262	0.023603	0.68655	440104
SERTAD4	-2.2521	2.2521	2.4077	-4.8702	0.000262	0.023603	0.68509	56256
DGLUCY	-2.2235	2.2235	2.8461	-6.1298	2.85E-05	0.012024	2.7593	80017
PHYHD1	-2.2195	2.2195	2.1037	-7.6665	2.54E-06	0.005368	4.9481	254295
ZKSCAN1	-2.2117	2.2117	6.7609	-4.4151	0.000616	0.030134	-0.12062	7586
DNMBP	-2.179	2.179	3.936	-4.2624	0.000824	0.032807	-0.3962	23268
R3HDM2	-2.1526	2.1526	6.3956	-5.141	0.00016	0.019209	1.1515	22864
DEPTOR	-2.1314	2.1314	1.7147	-7.2262	4.92E-06	0.006284	4.359	64798
HTT	-2.1006	2.1006	6.7028	-3.9974	0.001374	0.03909	-0.87987	3064
BRD3	-2.0903	2.0903	4.3428	-3.9139	0.001616	0.040892	-1.0335	8019
GCHFR	-2.0822	2.0822	1.9247	-6.2526	2.32E-05	0.010885	2.9482	2644
LYSMD4	-2.0694	2.0694	3.3535	-4.3763	0.000663	0.030358	-0.19035	145748
MLANA	-2.0528	2.0528	1.7096	-4.6947	0.000364	0.024927	0.37741	2315
MCF2L	-2.0052	2.0052	2.1348	-4.4604	0.000565	0.028994	-0.03922	23263
C15orf62	-2.0052	2.0052	1.9369	-4.2563	0.000834	0.032807	-0.40739	643338
SETDB1	-1.9928	1.9928	4.054	-4.1772	0.00097	0.033974	-0.55108	9869
KDM5A	-1.9785	1.9785	6.6255	-4.1016	0.001123	0.036175	-0.68907	5927
PAN2	-1.9629	1.9629	2.6147	-5.5983	7.08E-05	0.015265	1.9142	9924
SLC25A29	-1.9573	1.9573	2.0938	-6.4325	1.73E-05	0.0094	3.2203	123096
FBXO31	-1.9541	1.9541	3.3891	-3.7258	0.002333	0.04856	-1.3808	79791
WDR59	-1.9462	1.9462	4.6707	-4.3217	0.000736	0.032145	-0.28891	79726
ZNF629	-1.9443	1.9443	2.7087	-4.8735	0.000261	0.023603	0.6908	23361
LINC01089	-1.9371	1.9371	2.4486	-3.9709	0.001446	0.039927	-0.92858	338799
SECISBP2	-1.9353	1.9353	5.3936	-4.2933	0.000777	0.032558	-0.34034	79048

TTC19	-1.9255	1.9255	4.9214	-5.2306	0.000136	0.018518	1.3034	54902
PIIP5K1	-1.9241	1.9241	4.2683	-3.8839	0.001713	0.041804	-1.0887	9677
MRPS25	-1.9239	1.9239	3.525	-4.8796	0.000258	0.023603	0.7015	64432
TENM4	-1.9219	1.9219	2.5503	-4.3239	0.000733	0.032145	-0.28494	26011
COG1	-1.8903	1.8903	4.2427	-4.0712	0.001191	0.037069	-0.74457	9382
LIG1	-1.8729	1.8729	2.6238	-4.3912	0.000644	0.030245	-0.16355	3978
FAM189A2	-1.8679	1.8679	1.5635	-5.5589	7.59E-05	0.015265	1.8496	9413
KCNC4	-1.8665	1.8665	1.9576	-3.9205	0.001595	0.040861	-1.0213	3749
EPHA4	-1.8645	1.8645	3.4557	-4.4113	0.00062	0.030163	-0.12737	2043
GPD1L	-1.8593	1.8593	2.2367	-4.9527	0.000225	0.02217	0.82834	23171
USP40	-1.8567	1.8567	3.5498	-4.298	0.00077	0.032558	-0.33178	55230
MAOA	-1.8462	1.8462	1.9917	-4.2969	0.000771	0.032558	-0.33378	4128
UVSSA	-1.8416	1.8416	3.1891	-4.2134	0.000905	0.033639	-0.48525	57654
MAP3K14	-1.841	1.841	2.718	-5.4452	9.27E-05	0.016749	1.6624	9020
ZNF767P	-1.8176	1.8176	2.5178	-4.0426	0.001258	0.038005	-0.79698	79970
PP7080	-1.8063	1.8063	4.0099	-5.7846	5.12E-05	0.015265	2.2156	25845
ABCC3	-1.8062	1.8062	1.8438	-4.0134	0.001332	0.038695	-0.85055	8714
MAP2K5	-1.8055	1.8055	3.63	-5.5645	7.51E-05	0.015265	1.8589	5607
ACSF2	-1.7925	1.7925	1.9687	-5.0194	0.0002	0.021202	0.94325	80221
FAM117A	-1.789	1.789	2.5157	-3.7939	0.002042	0.045656	-1.2549	81558
NBPF12	-1.7863	1.7863	2.4105	-4.5106	0.000514	0.028272	0.050541	149013
SCUBE2	-1.7748	1.7748	1.5276	-5.7439	5.50E-05	0.015265	2.1502	57758
ITFG2	-1.7703	1.7703	2.4434	-5.9762	3.69E-05	0.013026	2.5197	55846
ACACB	-1.7702	1.7702	1.6373	-3.7515	0.002218	0.047421	-1.3333	32
ABCA9	-1.7671	1.7671	1.1522	-3.7633	0.002168	0.047076	-1.3115	10350
TFDP2	-1.7634	1.7634	2.3746	-4.1631	0.000997	0.034236	-0.57684	7029

P2RX7	-1.7469	1.7469	1.7239	-5.1876	0.000147	0.018518	1.2305	5027
NR3C2	-1.7465	1.7465	1.1869	-4.3079	0.000755	0.032252	-0.31381	4306
LINC00852	-1.7443	1.7443	1.9782	-4.9516	0.000226	0.02217	0.82642	84657
FAN1	-1.7434	1.7434	2.3305	-6.8061	9.46E-06	0.007988	3.7689	22909
GRTP1	-1.7391	1.7391	2.3196	-5.4675	8.91E-05	0.01672	1.6992	79774
CRACR2B	-1.7343	1.7343	1.1701	-3.9483	0.001511	0.040568	-0.97018	283229
LRIG2	-1.7307	1.7307	3.2434	-4.4908	0.000533	0.028577	0.015245	9860
PARD3B	-1.7283	1.7283	1.8485	-4.6615	0.000387	0.024927	0.31883	117583
SLC11A2	-1.7277	1.7277	4.0117	-3.8466	0.001842	0.043483	-1.1576	4891
LOC284930	-1.7157	1.7157	1.6006	-3.7443	0.00225	0.047593	-1.3466	284930
LY75-CD302	-1.7094	1.7094	1.5593	-4.7456	0.000331	0.024681	0.46717	1.01E+08
RBM15	-1.6923	1.6923	4.199	-3.708	0.002415	0.049155	-1.4137	64783
ATP6V0A4	-1.6893	1.6893	0.91848	-4.4541	0.000572	0.029166	-0.05054	50617
CAPN3	-1.6862	1.6862	2.3597	-4.3544	0.000691	0.031199	-0.22984	825
RCOR3	-1.6708	1.6708	2.906	-3.7179	0.002369	0.049018	-1.3953	55758
OTX1	-1.6637	1.6637	2.5294	-5.3754	0.000105	0.017543	1.5463	5013
MAML3	-1.6616	1.6616	2.7314	-4.9336	0.000233	0.022694	0.79517	55534
PLEKHH1	-1.653	1.653	1.3539	-4.6	0.000434	0.025846	0.20994	57475
HOXA9	-1.6516	1.6516	3.2312	-7.0873	6.09E-06	0.006859	4.167	3205
OPLAH	-1.6471	1.6471	2.442	-4.36	0.000684	0.031119	-0.21979	26873
DCAF16	-1.6453	1.6453	3.3703	-4.3249	0.000731	0.032145	-0.28316	54876
LIG3	-1.6444	1.6444	4.1913	-4.2527	0.000839	0.032807	-0.41382	3980
ACSS1	-1.6426	1.6426	1.7572	-5.4419	9.33E-05	0.016749	1.6569	84532
MFSD4A	-1.6389	1.6389	1.1698	-4.3112	0.000751	0.032252	-0.30787	148808
SPG11	-1.6308	1.6308	5.5275	-4.0165	0.001324	0.038682	-0.84486	80208
KSR1	-1.5821	1.5821	2.2011	-3.9945	0.001381	0.039195	-0.88524	8844

BBS1	-1.5628	1.5628	2.6334	-3.7448	0.002248	0.047593	-1.3457	582
ENOSF1	-1.557	1.557	3.3983	-3.932	0.00156	0.040861	-1.0001	55556
PRR15L	-1.5492	1.5492	1.0159	-4.1937	0.00094	0.033974	-0.52114	79170
KANTR	-1.5491	1.5491	1.4515	-4.1243	0.001075	0.035091	-0.64755	1.03E+08
GLDN	-1.5373	1.5373	1.2984	-4.6179	0.00042	0.02556	0.24158	342035
PHKA2	-1.5344	1.5344	2.3215	-8.4267	8.60E-07	0.002905	5.8974	5256
HOTAIR	-1.532	1.532	1.3513	-4.4834	0.000541	0.028585	0.00197	1E+08
IFT122	-1.531	1.531	2.1527	-5.5602	7.57E-05	0.015265	1.8518	55764
GTF2IP20	-1.5284	1.5284	2.4998	-4.7195	0.000347	0.024681	0.42114	441124
BTC	-1.5127	1.5127	0.84572	-3.845	0.001848	0.043509	-1.1605	685
GON4L	-1.5104	1.5104	4.3755	-4.0049	0.001354	0.03887	-0.86617	54856
NNAT	-1.4966	1.4966	1.9097	-4.1684	0.000987	0.034236	-0.56705	4826
CBFA2T2	-1.4882	1.4882	2.6032	-5.4756	8.79E-05	0.016668	1.7126	9139
NIPAL3	-1.4879	1.4879	2.3163	-6.8213	9.24E-06	0.007988	3.7907	57185
TKFC	-1.4781	1.4781	2.062	-3.9394	0.001537	0.04068	-0.98648	26007
HPS4	-1.4755	1.4755	3.4192	-4.7971	0.0003	0.024681	0.55753	89781
ZNF704	-1.4725	1.4725	1.5305	-5.0053	0.000205	0.021202	0.91905	619279
HCP5	-1.4715	1.4715	1.6133	-5.3353	0.000113	0.018125	1.4794	10866
CYP4B1	-1.4675	1.4675	0.94088	-4.0147	0.001328	0.038682	-0.84819	1580
LOC642648	-1.4669	1.4669	1.5142	-3.7353	0.00229	0.048121	-1.3632	642648
PLP1	-1.4651	1.4651	0.9023	-4.6198	0.000418	0.02556	0.24497	5354
PMS2P3	-1.4637	1.4637	2.5332	-4.1375	0.001048	0.034845	-0.6235	5387
PHF12	-1.4531	1.4531	2.9778	-3.7164	0.002376	0.049051	-1.3982	57649
MAN2A2	-1.4491	1.4491	2.4397	-3.7069	0.002421	0.049177	-1.4158	4122
ZNF462	-1.4466	1.4466	3.3345	-4.2	0.000929	0.033871	-0.50961	58499
L3MBTL4	-1.4404	1.4404	1.2919	-4.7274	0.000342	0.024681	0.4351	91133

POGK	-1.4395	1.4395	5.14	-3.8945	0.001678	0.041591	-1.0691	57645
NDUFA6-DT	-1.4382	1.4382	1.7273	-4.2942	0.000775	0.032558	-0.33871	1E+08
TSC1	-1.4375	1.4375	3.5559	-5.115	0.000168	0.019929	1.1071	7248
MAG11	-1.4352	1.4352	3.2042	-4.6278	0.000412	0.025481	0.25926	9223
FAM120B	-1.4342	1.4342	4.7977	-3.951	0.001503	0.040496	-0.96528	84498
ZC3H6	-1.4324	1.4324	1.5297	-4.0893	0.00115	0.036553	-0.71149	376940
RAD51-AS1	-1.4305	1.4305	1.3781	-3.8825	0.001717	0.041804	-1.0913	1.01E+08
SCFD2	-1.4132	1.4132	3.4911	-5.2461	0.000132	0.018518	1.3295	152579
GP1BA	-1.4117	1.4117	1.217	-4.7585	0.000323	0.024681	0.48971	2811
JRK	-1.408	1.408	1.9206	-4.2017	0.000926	0.033871	-0.50658	8629
PARGP1	-1.4069	1.4069	2.3688	-3.9442	0.001523	0.040568	-0.97764	728407
ZNF318	-1.3966	1.3966	2.7621	-4.2586	0.00083	0.032807	-0.40308	24149
ZXDC	-1.3959	1.3959	4.3786	-4.523	0.000502	0.027918	0.072763	79364
DIS3L2	-1.3801	1.3801	3.128	-5.411	9.85E-05	0.016959	1.6055	129563
LOC101927699	-1.3786	1.3786	0.99407	-4.2702	0.000812	0.032807	-0.38221	1.02E+08
DDX51	-1.3777	1.3777	2.1661	-4.1701	0.000984	0.034236	-0.56396	317781
PATZ1	-1.3744	1.3744	1.6947	-4.0861	0.001157	0.036621	-0.71748	23598
LOC729218	-1.3648	1.3648	2.1707	-3.7789	0.002102	0.046398	-1.2826	729218
CNNM3	-1.3585	1.3585	1.8901	-5.2925	0.000122	0.018345	1.4076	26505
LYRM9	-1.3552	1.3552	1.3642	-3.8211	0.001936	0.044467	-1.2046	201229
ARSD	-1.354	1.354	2.1684	-4.3896	0.000646	0.030245	-0.16641	414
LETMD1	-1.3526	1.3526	2.5293	-4.7374	0.000336	0.024681	0.45267	25875
NVL	-1.3502	1.3502	3.1378	-4.7811	0.00031	0.024681	0.52941	4931
GLI4	-1.3484	1.3484	2.0054	-4.4089	0.000623	0.030163	-0.13176	2738
HMBOX1	-1.3478	1.3478	3.5333	-3.8229	0.001929	0.044435	-1.2012	79618
RBM4B	-1.3434	1.3434	3.1512	-3.8112	0.001974	0.04509	-1.2229	83759

ZNF514	-1.3419	1.3419	2.007	-4.2538	0.000838	0.032807	-0.41192	84874
C2orf68	-1.3418	1.3418	3.3324	-4.0531	0.001233	0.037681	-0.77786	388969
KLHL36	-1.3343	1.3343	4.3464	-4.1789	0.000967	0.033974	-0.54793	79786
AASS	-1.3279	1.3279	2.0756	-3.7406	0.002266	0.04786	-1.3533	10157
RHPN2	-1.3222	1.3222	0.81831	-5.5614	7.55E-05	0.015265	1.8538	85415
HID1	-1.3219	1.3219	1.5231	-4.3134	0.000747	0.032252	-0.30396	283987
ZFYVE26	-1.308	1.308	3.7241	-5.0103	0.000203	0.021202	0.92767	23503
SETD6	-1.3076	1.3076	2.3443	-5.6304	6.69E-05	0.015265	1.9665	79918
KAT14	-1.2962	1.2962	2.3512	-6.4391	1.71E-05	0.0094	3.2301	57325
LOC440173	-1.2945	1.2945	1.5709	-3.7251	0.002336	0.048561	-1.382	440173
FAHD2B	-1.2864	1.2864	1.1216	-5.9622	3.78E-05	0.013026	2.4976	151313
EARS2	-1.284	1.284	3.0273	-4.7299	0.00034	0.024681	0.4395	124454
RPL32P3	-1.2815	1.2815	1.4632	-4.3908	0.000645	0.030245	-0.16429	132241
SLC16A14	-1.2813	1.2813	1.2013	-4.7323	0.000339	0.024681	0.44369	151473
ATP6V0E2	-1.2797	1.2797	1.0794	-4.5996	0.000434	0.025846	0.20915	155066
FUT10	-1.2776	1.2776	2.0226	-5.201	0.000143	0.018518	1.2533	84750
ZFP41	-1.2697	1.2697	1.5839	-4.1103	0.001104	0.035842	-0.67309	286128
KIAA1324	-1.2571	1.2571	0.81282	-4.478	0.000547	0.028654	-0.00771	57535
TRIM66	-1.2527	1.2527	1.8407	-4.7691	0.000316	0.024681	0.50835	9866
ARHGEF9	-1.2518	1.2518	2.0145	-4.7138	0.000351	0.024681	0.4111	23229
PPP1R3E	-1.2462	1.2462	1.26	-4.8702	0.000262	0.023603	0.68508	90673
CRACR2A	-1.237	1.237	0.96495	-4.3638	0.000679	0.030975	-0.21284	84766
LOC202181	-1.2336	1.2336	1.3448	-4.211	0.000909	0.033639	-0.48966	202181
TESK2	-1.2317	1.2317	2.4791	-3.9151	0.001612	0.040892	-1.0313	10420
PRMT7	-1.2263	1.2263	1.8483	-4.0051	0.001353	0.03887	-0.86578	54496
SLC25A25-AS1	-1.2234	1.2234	1.1341	-6.0822	3.09E-05	0.012404	2.6855	1E+08

IL16	-1.2195	1.2195	1.7394	-4.3149	0.000745	0.032252	-0.30118	3603
MIR29B2CHG	-1.2186	1.2186	1.2741	-4.4284	0.0006	0.029995	-0.0966	1E+08
PMS2P1	-1.2128	1.2128	2.3428	-5.5851	7.25E-05	0.015265	1.8925	5379
TFAP2B	-1.2118	1.2118	0.88856	-6.4495	1.68E-05	0.0094	3.2457	7021
CDK5RAP1	-1.2091	1.2091	3.4482	-3.7463	0.002241	0.047593	-1.3428	51654
TRMT44	-1.1993	1.1993	2.2745	-3.8709	0.001757	0.042187	-1.1127	152992
SPDEF	-1.1992	1.1992	0.65516	-4.9213	0.000239	0.023	0.77395	25803
CDKAL1	-1.1985	1.1985	3.1639	-3.746	0.002242	0.047593	-1.3435	54901
MIATNB	-1.1969	1.1969	1.357	-3.9093	0.00163	0.041076	-1.0419	1.03E+08
SLC25A27	-1.1955	1.1955	1.3409	-3.9511	0.001503	0.040496	-0.96492	9481
LOC171391	-1.1922	1.1922	1.1611	-3.7321	0.002304	0.048259	-1.3691	171391
ZNF256	-1.1808	1.1808	1.4136	-3.7212	0.002354	0.048816	-1.3893	10172
HEXIM2	-1.1779	1.1779	1.4647	-3.8212	0.001936	0.044467	-1.2045	124790
FAM117B	-1.1759	1.1759	1.5359	-5.4057	9.94E-05	0.016959	1.5968	150864
TACR1	-1.1722	1.1722	0.93826	-6.8207	9.25E-06	0.007988	3.7898	6869
ZBTB37	-1.163	1.163	1.9232	-5.3095	0.000118	0.018345	1.4361	84614
SETD4	-1.1614	1.1614	1.847	-4.6837	0.000371	0.024927	0.35815	54093
THADA	-1.1613	1.1613	3.3829	-3.8523	0.001822	0.043255	-1.147	63892
PMS2P5	-1.155	1.155	1.3899	-4.5798	0.000451	0.026434	0.17401	5383
RBM12B	-1.1485	1.1485	2.4672	-4.1856	0.000955	0.033974	-0.53574	389677
ITIH4	-1.1467	1.1467	0.96333	-3.7003	0.002452	0.049465	-1.4279	3700
SCAND2P	-1.146	1.146	1.4677	-5.0901	0.000175	0.020704	1.0646	54581
FRZB	-1.1377	1.1377	1.1082	-4.7098	0.000353	0.024681	0.40414	2487
DIO3OS	-1.1374	1.1374	0.73336	-5.742	5.51E-05	0.015265	2.1472	64150
ACP6	-1.1369	1.1369	1.0006	-7.7812	2.15E-06	0.005186	5.0968	51205
ABHD11	-1.1313	1.1313	1.6808	-3.9714	0.001445	0.039927	-0.92773	83451

ABCA3	-1.1299	1.1299	1.3254	-4.2543	0.000837	0.032807	-0.41098	21
PPARGC1B	-1.1267	1.1267	1.3706	-4.1378	0.001047	0.034845	-0.623	133522
ZNF587B	-1.1239	1.1239	2.835	-3.7515	0.002218	0.047421	-1.3332	1E+08
ALPK1	-1.1157	1.1157	2.0981	-3.7134	0.00239	0.049051	-1.4038	80216
MVB12B	-1.1156	1.1156	1.2539	-4.5086	0.000516	0.028272	0.047008	89853
TYW1	-1.1105	1.1105	3.0828	-5.2773	0.000125	0.018518	1.3821	55253
METTL16	-1.1063	1.1063	3.1676	-4.2061	0.000918	0.033705	-0.49858	79066
ZMYM3	-1.1058	1.1058	2.2462	-4.4929	0.000531	0.028577	0.018881	9203
ZNF3	-1.1031	1.1031	2.6233	-5.2947	0.000121	0.018345	1.4114	7551
IFT172	-1.103	1.103	1.6402	-3.9208	0.001594	0.040861	-1.0207	26160
TRIL	-1.1005	1.1005	0.89525	-4.1906	0.000946	0.033974	-0.52671	9865
RTN4RL1	-1.0968	1.0968	1.1113	-4.8558	0.000269	0.023845	0.65997	146760
LGR6	-1.0873	1.0873	0.87782	-4.0265	0.001298	0.038682	-0.82652	59352
ZNF317	-1.0859	1.0859	3.6878	-3.7507	0.002222	0.047421	-1.3348	57693
CLCN6	-1.085	1.085	1.9841	-3.7561	0.002198	0.047396	-1.3247	1185
FMN1	-1.0838	1.0838	1.9229	-4.0191	0.001317	0.038682	-0.84007	342184
GPHN	-1.0795	1.0795	2.1562	-7.5706	2.93E-06	0.005498	4.8224	10243
SFI1	-1.0785	1.0785	1.7344	-4.1305	0.001062	0.034947	-0.6363	9814
MHENCRC	-1.0778	1.0778	1.7809	-5.5164	8.18E-05	0.016049	1.78	1.01E+08
ZNF789	-1.074	1.074	1.3128	-4.1513	0.00102	0.034679	-0.5984	285989
VMAC	-1.0739	1.0739	1.5172	-4.4067	0.000626	0.030163	-0.13568	400673
PODXL2	-1.0738	1.0738	1.3029	-4.2547	0.000836	0.032807	-0.41021	50512
DSTYK	-1.072	1.072	3.1658	-4.4267	0.000602	0.029995	-0.09963	25778
PM20D2	-1.0696	1.0696	1.6903	-4.1914	0.000944	0.033974	-0.52535	135293
ERMAP	-1.0681	1.0681	2.2188	-4.234	0.00087	0.033373	-0.44774	114625
ACAD10	-1.0661	1.0661	2.3628	-4.6911	0.000366	0.024927	0.37111	80724

LOC102723517	-1.0612	1.0612	0.57414	-4.1753	0.000974	0.033974	-0.55451	1.03E+08
CECR7	-1.0554	1.0554	0.98046	-5.6313	6.68E-05	0.015265	1.9679	1E+08
MLPH	-1.0553	1.0553	1.16	-4.0537	0.001232	0.037681	-0.77673	79083
PHF8	-1.0472	1.0472	2.8709	-3.9981	0.001372	0.03909	-0.87864	23133
ADAM1A	-1.0461	1.0461	1.1457	-4.0467	0.001248	0.037875	-0.78949	8759
PPM1J	-1.0436	1.0436	1.223	-4.4639	0.000561	0.028934	-0.03297	333926
RIC3	-1.0344	1.0344	0.91035	-4.1774	0.00097	0.033974	-0.55083	79608
DCAF4	-1.0309	1.0309	1.4595	-8.1046	1.35E-06	0.0038	5.5054	26094
LINC01315	-1.0301	1.0301	0.83823	-4.4922	0.000532	0.028577	0.017707	1.03E+08
KDM4C	-1.0248	1.0248	3.1976	-4.4105	0.000621	0.030163	-0.12882	23081
AGAP12P	-1.0248	1.0248	1.1963	-3.7116	0.002398	0.049051	-1.407	414224
TRMT10B	-1.0212	1.0212	1.9298	-5.3362	0.000113	0.018125	1.4808	158234
LOC105374338	-1.0208	1.0208	0.71365	-4.2374	0.000865	0.033304	-0.44171	1.05E+08
BCL2	-1.0183	1.0183	1.071	-4.5103	0.000514	0.028272	0.050047	596
WDR73	-1.0155	1.0155	2.5515	-4.2615	0.000825	0.032807	-0.39792	84942
NBPF11	-1.011	1.011	1.7279	-4.0498	0.001241	0.037749	-0.78379	200030
WNT11	-1.0078	1.0078	0.70093	-4.5833	0.000448	0.026356	0.1801	7481
PRKX	-1.0031	1.0031	2.3393	-5.0285	0.000196	0.021202	0.95901	5613
APBA1	-1.0028	1.0028	1.1625	-4.6165	0.000421	0.02556	0.2392	320
GPRASP1	-1.0013	1.0013	0.94449	-4.3071	0.000757	0.032252	-0.31534	9737
ZNF165	1.0266	1.0266	0.83813	3.9866	0.001403	0.039537	-0.8998	7718
LOC100288175	1.0387	1.0387	0.78858	4.4956	0.000529	0.028577	0.023733	1E+08
LINC01094	1.0655	1.0655	1.0608	3.6947	0.002479	0.049831	-1.4383	1.01E+08
SPIN4	1.0805	1.0805	1.4635	4.269	0.000814	0.032807	-0.38423	139886
KRT42P	1.1199	1.1199	0.73479	4.1774	0.00097	0.033974	-0.55067	284116
KLHL42	1.1639	1.1639	3.0808	3.6887	0.002508	0.049877	-1.4494	57542

ATG4A	1.2153	1.2153	1.893	4.9969	0.000208	0.021398	0.90465	115201
SLC16A7	1.3026	1.3026	2.1036	5.3859	0.000103	0.017392	1.5638	9194
DUSP18	1.3507	1.3507	2.3225	3.7776	0.002108	0.046399	-1.2849	150290
HS3ST3A1	1.4076	1.4076	0.89132	4.1511	0.001021	0.034679	-0.59868	9955
EIF4E	1.4195	1.4195	2.1844	3.7628	0.00217	0.047076	-1.3123	1977
AP1S3	1.4289	1.4289	1.1825	4.1407	0.001041	0.034845	-0.61761	130340
CYP27C1	1.4553	1.4553	1.6016	4.8443	0.000275	0.023957	0.63993	339761
ZSWIM6	1.4733	1.4733	3.2438	4.8012	0.000298	0.024681	0.56461	57688
GALNT7	1.5743	1.5743	2.4817	3.9753	0.001434	0.039927	-0.92047	51809
LRP12	1.6114	1.6114	2.3963	3.9236	0.001585	0.040861	-1.0156	29967
PIGA	1.6605	1.6605	2.4841	3.7635	0.002167	0.047076	-1.311	5277
DNAJB5	1.6703	1.6703	2.5245	4.0816	0.001167	0.036685	-0.72554	25822
CHORDC1	1.7018	1.7018	2.721	4.1357	0.001051	0.034845	-0.62685	26973
KRT16P3	1.7606	1.7606	1.4077	3.9587	0.001481	0.040254	-0.95096	644945
SLC6A11	1.9221	1.9221	1.8883	4.3329	0.00072	0.032078	-0.26868	6538
GK	1.9225	1.9225	2.2112	4.2648	0.00082	0.032807	-0.39199	2710
SLC12A6	2.0976	2.0976	4.1635	3.7455	0.002244	0.047593	-1.3443	9990
SNCB	2.1761	2.1761	1.0502	4.5484	0.000478	0.027017	0.11798	6620
HOMER1	2.1859	2.1859	2.9762	5.0149	0.000201	0.021202	0.93556	9456
SLC7A11	2.2623	2.2623	1.7805	5.7794	5.17E-05	0.015265	2.2071	23657
ALDH1L2	2.3	2.3	2.4347	3.7402	0.002268	0.04786	-1.3542	160428
SREK1IP1	2.3168	2.3168	3.199	3.7123	0.002395	0.049051	-1.4058	285672
LSP1P4	2.3274	2.3274	3.3324	4.1661	0.000992	0.034236	-0.57141	654342
POLR3G	2.376	2.376	2.2572	4.3467	0.000701	0.031496	-0.24373	10622
PFKFB4	2.4613	2.4613	2.4463	4.2591	0.000829	0.032807	-0.40226	5210
ARSI	2.4908	2.4908	1.7209	6.5636	1.39E-05	0.0094	3.4154	340075

RNF122	2.5079	2.5079	3.1786	4.7426	0.000332	0.024681	0.46192	79845
CMTR2	2.6282	2.6282	3.6394	3.9824	0.001414	0.039724	-0.90743	55783
ENC1	2.6697	2.6697	3.2825	5.3218	0.000115	0.018345	1.4568	8507
CARD6	2.6714	2.6714	3.2722	4.0985	0.00113	0.036256	-0.6948	84674
CAMK2D	2.7119	2.7119	4.9666	4.4291	0.0006	0.029995	-0.09539	817
PTPRE	2.8579	2.8579	3.6907	5.2579	0.000129	0.018518	1.3494	5791
PPP2R5B	2.9128	2.9128	4.5855	3.7264	0.00233	0.04856	-1.3797	5526
MTMR2	2.9304	2.9304	4.6935	3.8068	0.001991	0.0453	-1.2311	8898
UNC13D	3.0169	3.0169	3.4085	3.768	0.002148	0.046922	-1.3026	201294
SLC25A25	3.0437	3.0437	4.6659	3.7577	0.002191	0.04731	-1.3218	114789
ARL5B	3.2279	3.2279	3.3364	5.8213	4.81E-05	0.015265	2.2743	221079
C12orf56	3.4336	3.4336	2.4238	6.3408	2.01E-05	0.009679	3.0822	115749
IL1A	3.5612	3.5612	1.8064	4.4028	0.00063	0.030163	-0.14273	3552
SLC28A3	3.6654	3.6654	4.7793	4.0228	0.001308	0.038682	-0.83339	64078
XPOT	3.6756	3.6756	7.5613	3.7178	0.002369	0.049018	-1.3955	11260
ZNF562	3.7621	3.7621	6.1045	3.8534	0.001818	0.043219	-1.1449	54811
TDG	3.793	3.793	5.3606	3.7097	0.002407	0.049083	-1.4106	6996
MICAL2	3.8417	3.8417	8.0528	4.2	0.000929	0.033871	-0.50963	9645
TTC39A	3.8543	3.8543	4.0956	4.2097	0.000912	0.033639	-0.49203	22996
CSRNP1	4.1755	4.1755	6.74	4.1414	0.00104	0.034845	-0.61637	64651
JMJD1C	4.1876	4.1876	7.8113	5.1432	0.000159	0.019209	1.1551	221037
MIR22HG	4.323	4.323	7.491	4.6877	0.000368	0.024927	0.36514	84981
ITGB6	4.3527	4.3527	4.1934	3.8021	0.002009	0.045469	-1.2397	3694
ULBP2	4.8082	4.8082	2.7355	4.2841	0.000791	0.032687	-0.35703	80328
RGS20	4.9732	4.9732	3.5149	4.7243	0.000344	0.024681	0.42961	8601
REEP3	5.1917	5.1917	6.4084	5.6589	6.37E-05	0.015265	2.0128	221035

MFN1	5.2428	5.2428	9.5353	4.5953	0.000438	0.025947	0.2015	55669
KATNBL1	5.2566	5.2566	5.0691	4.1	0.001126	0.036216	-0.69196	79768
NEK7	5.3835	5.3835	6.578	3.969	0.001451	0.039927	-0.93203	140609
ADAM23	5.3947	5.3947	4.1707	4.4926	0.000532	0.028577	0.018357	8745
SKIL	5.446	5.446	6.2971	5.007	0.000204	0.021202	0.9219	6498
PTS	5.5802	5.5802	6.6575	3.8053	0.001997	0.045305	-1.2337	5805
CPEB4	5.5857	5.5857	7.4967	4.8163	0.00029	0.024601	0.59107	80315
GLIPR1	5.6456	5.6456	4.4099	3.7014	0.002447	0.049465	-1.426	11010
CYCS	6.1053	6.1053	7.3363	4.6679	0.000382	0.024927	0.33009	54205
B3GNT5	6.2731	6.2731	6.4823	4.3886	0.000648	0.030245	-0.16816	84002
FILIP1L	6.4352	6.4352	7.419	3.8833	0.001715	0.041804	-1.0898	11259
TM4SF19	6.5654	6.5654	3.4852	6.1105	2.94E-05	0.012117	2.7294	116211
DUSP5	6.8489	6.8489	5.8986	4.1433	0.001036	0.034845	-0.61295	1847
FAM214B	6.8835	6.8835	7.8043	4.038	0.00127	0.03821	-0.80546	80256
FLRT3	6.9523	6.9523	5.2546	5.0136	0.000202	0.021202	0.93336	23767
NOCT	6.9551	6.9551	6.5068	3.9469	0.001515	0.040568	-0.97269	25819
ADGRL2	7.0807	7.0807	7.0335	5.5765	7.36E-05	0.015265	1.8785	23266
PLA2G3	7.1817	7.1817	7.8409	3.8322	0.001895	0.044055	-1.1841	50487
CLDND1	7.2266	7.2266	10.566	3.7077	0.002417	0.049155	-1.4142	56650
DYNLT3	7.5314	7.5314	7.1955	4.1469	0.001029	0.034739	-0.60636	6990
TES	7.6189	7.6189	9.4962	4.0099	0.001341	0.038777	-0.8569	26136
PAQR5	7.651	7.651	5.0837	4.7201	0.000347	0.024681	0.42218	54852
BMP2K	7.7475	7.7475	9.8837	4.4224	0.000607	0.030072	-0.10745	55589
EML1	7.8708	7.8708	6.8515	7.189	5.21E-06	0.006284	4.3079	2009
NRIP1	7.9226	7.9226	8.5305	3.9968	0.001375	0.03909	-0.88111	8204
MGST1	8.0211	8.0211	7.6208	4.0687	0.001196	0.037089	-0.74918	4257

TRPV3	8.0936	8.0936	8.0317	4.7512	0.000327	0.024681	0.47689	162514
STK17A	8.3048	8.3048	6.5754	4.9326	0.000234	0.022694	0.79354	9263
ALOX12	8.3661	8.3661	6.4212	5.0143	0.000201	0.021202	0.93445	239
OVCA2	8.3804	8.3804	9.7026	3.6915	0.002495	0.049831	-1.4443	124641
ENAH	8.5372	8.5372	11.797	4.3278	0.000727	0.032145	-0.27792	55740
LUZP6	8.5473	8.5473	12.614	3.6914	0.002495	0.049831	-1.4445	767558
MTPN	8.5473	8.5473	12.614	3.6914	0.002495	0.049831	-1.4445	136319
TSC22D2	8.7219	8.7219	10.635	3.8497	0.001831	0.043353	-1.1518	9819
TCEAL9	8.8093	8.8093	8.3556	3.7513	0.002219	0.047421	-1.3336	51186
HTATIP2	8.9376	8.9376	10.264	3.7926	0.002047	0.045712	-1.2573	10553
NPTX1	9.3997	9.3997	4.5488	3.9352	0.00155	0.040798	-0.99421	4884
ME1	9.4601	9.4601	8.3994	4.4705	0.000554	0.028794	-0.02112	4199
WNT5A	10.116	10.116	8.3047	6.4681	1.63E-05	0.0094	3.2735	7474
MBOAT2	10.143	10.143	8.8234	4.6523	0.000394	0.024927	0.30263	129642
NUAK2	10.158	10.158	10.573	3.8046	0.001999	0.045311	-1.2351	81788
IER3	10.238	10.238	6.8566	3.9281	0.001572	0.040861	-1.0074	8870
KCTD11	11.198	11.198	14.761	3.9243	0.001583	0.040861	-1.0143	147040
CHST2	11.239	11.239	8.4736	3.8158	0.001956	0.044855	-1.2144	9435
NELL2	12.351	12.351	15.061	3.9518	0.001501	0.040496	-0.96378	4753
VMP1	13.018	13.018	15.286	3.873	0.001749	0.042073	-1.1088	81671
GALNT1	13.322	13.322	16.069	3.9513	0.001502	0.040496	-0.96463	2589
PDLIM5	14.07	14.07	14.204	5.6314	6.68E-05	0.015265	1.9681	10611
ARG2	14.411	14.411	8.6539	4.7271	0.000342	0.024681	0.43466	384
ENDOD1	14.977	14.977	20.374	3.7966	0.002031	0.045594	-1.2498	23052
SLC39A6	15.039	15.039	22.742	3.9429	0.001527	0.040588	-0.98015	25800
PDLIM7	15.515	15.515	17.212	4.1604	0.001002	0.034328	-0.58175	9260

ADAP2	16.058	16.058	13.945	3.9267	0.001576	0.040861	-1.01	55803
PHLDA2	17.545	17.545	11.634	5.219	0.000139	0.018518	1.2837	7262
KIF5B	18.474	18.474	22.76	4.3442	0.000705	0.031558	-0.24821	3799
KRT75	18.797	18.797	11.639	4.6454	0.000399	0.025023	0.29035	9119
ATP6V1D	18.84	18.84	18.905	4.0683	0.001198	0.037089	-0.75005	51382
IGFL2	19.737	19.737	14.083	3.7115	0.002399	0.049051	-1.4072	147920
MXD1	20.391	20.391	14.966	4.2607	0.000827	0.032807	-0.39928	4084
ACTR3	20.409	20.409	22.375	3.9605	0.001476	0.04021	-0.9478	10096
EREG	21.613	21.613	13.243	3.8229	0.001929	0.044435	-1.2013	2069
ELL2	22.409	22.409	22.366	4.6104	0.000426	0.02575	0.22833	22936
TNFRSF12A	22.524	22.524	15.749	3.8105	0.001976	0.045091	-1.2241	51330
TMEM40	23.834	23.834	19.878	3.8857	0.001707	0.041804	-1.0853	55287
MCL1	25.446	25.446	50.398	4.1336	0.001056	0.034871	-0.63056	4170
PLK2	29.885	29.885	32.666	3.8979	0.001667	0.04144	-1.0629	10769
NDEL1	30.318	30.318	34.88	4.3758	0.000664	0.030358	-0.19124	81565
PLS3	32.322	32.322	43.235	3.8432	0.001854	0.043585	-1.1638	5358
EPGN	39.36	39.36	20.319	4.6625	0.000386	0.024927	0.32062	255324
HK2	43.077	43.077	30.708	5.1915	0.000146	0.018518	1.2371	3099
BNIP3	45.73	45.73	31.376	3.88	0.001726	0.041804	-1.0959	664
SERPINB2	53.347	53.347	35.865	3.7977	0.002026	0.045594	-1.2478	5055
CDA	56.449	56.449	30.496	4.7853	0.000307	0.024681	0.53675	978
ELOVL1	62.66	62.66	55.981	3.9053	0.001643	0.041257	-1.0493	64834
FOS	70.789	70.789	85.488	3.9113	0.001624	0.041041	-1.0383	2353
CDKN1A	77.277	77.277	65.787	4.3085	0.000754	0.032252	-0.31273	1026
DUSP1	82.519	82.519	85.498	4.4082	0.000624	0.030163	-0.13299	1843
TUBA4A	90.769	90.769	87.7	3.8604	0.001793	0.04281	-1.132	7277

SPINK7	93.648	93.648	49.698	3.7337	0.002297	0.048172	-1.3662	84651
IVL	110.95	110.95	89.871	3.9704	0.001448	0.039927	-0.92962	3713
SERPINB5	115.33	115.33	129.79	3.9197	0.001597	0.040861	-1.0227	5268
CD24	116.82	116.82	85.901	4.5571	0.000471	0.026801	0.13356	1E+08
TUBB2A	185.28	185.28	140.58	4.7935	0.000302	0.024681	0.55108	7280
YWHAZ	187.28	187.28	181.42	4.2899	0.000782	0.032558	-0.3465	7534
DYNLL1	192.29	192.29	164.77	4.0031	0.001359	0.038942	-0.86953	8655
CSTB	279.25	279.25	185.71	3.914	0.001615	0.040892	-1.0333	1476
SPRR1A	875.21	875.21	473.87	4.0088	0.001344	0.038777	-0.85905	6698
CSTA	1010.9	1010.9	603.5	4.0145	0.001329	0.038682	-0.84861	1475
SPRR1B	2219.5	2219.5	1356.1	4.278	0.0008	0.032687	-0.36796	6699
KRT17	5469.6	5469.6	3234	3.7002	0.002452	0.049465	-1.4281	3872
ZSCAN25	-0.81225	0.81225	1.4913	-8.6931	5.98E-07	0.002829	6.2105	221785
CNTNAP2	0.85945	0.85945	0.54729	6.6262	1.26E-05	0.009256	3.5075	26047
NBR2	-0.704	0.704	0.90015	-6.5579	1.41E-05	0.0094	3.4069	10230
ATXN7L1	-0.76106	0.76106	1.1338	-6.502	1.54E-05	0.0094	3.324	222255
GLIDR	-0.83694	0.83694	1.2229	-6.459	1.65E-05	0.0094	3.26	389741
ZNF18	-0.7109	0.7109	1.6646	-6.222	2.44E-05	0.010965	2.9013	7566
LOC100133315	-0.58411	0.58411	0.56504	-6.2157	2.47E-05	0.010965	2.8917	1E+08
DACT2	-0.79584	0.79584	0.50494	-5.9837	3.64E-05	0.013026	2.5316	168002
COL4A6	-0.84274	0.84274	0.96249	-5.9749	3.70E-05	0.013026	2.5177	1288
IMMP2L	-0.59303	0.59303	0.72202	-5.965	3.76E-05	0.013026	2.5021	83943
CHRN2	-0.45658	0.45658	0.4591	-5.8827	4.33E-05	0.014616	2.3721	1141
HOXA5	-0.65541	0.65541	0.75247	-5.8548	4.54E-05	0.015032	2.3277	3202
PTCH1	-0.87889	0.87889	0.79026	-5.8172	4.84E-05	0.015265	2.2677	5727
SRGAP3	-0.77567	0.77567	0.70057	-5.7919	5.06E-05	0.015265	2.2272	9901

AMER1	-0.76589	0.76589	1.12	-5.7671	5.28E-05	0.015265	2.1875	139285
LINC02449	-0.87861	0.87861	0.79265	-5.7485	5.45E-05	0.015265	2.1575	1.02E+08
BDKRB1	0.89822	0.89822	0.90371	5.7213	5.72E-05	0.015265	2.1138	623
HOXA6	-0.78251	0.78251	0.67596	-5.6717	6.23E-05	0.015265	2.0336	3203
CLYBL	-0.50341	0.50341	0.48487	-5.6567	6.39E-05	0.015265	2.0093	171425
ZNF619	-0.58854	0.58854	0.8967	-5.65	6.47E-05	0.015265	1.9984	285267
NRG2	-0.74042	0.74042	0.46914	-5.6235	6.78E-05	0.015265	1.9553	9542
TAS2R4	-0.82582	0.82582	0.67433	-5.6031	7.02E-05	0.015265	1.922	50832
DTNB	-0.79124	0.79124	1.2416	-5.5895	7.19E-05	0.015265	1.8997	1838
TAMM41	-0.98696	0.98696	1.7294	-5.5557	7.63E-05	0.015265	1.8444	132001
MST1P2	-0.96883	0.96883	0.70728	-5.4866	8.62E-05	0.016668	1.7307	11209
IQCC	-0.8	0.8	1.161	-5.4605	9.02E-05	0.016743	1.6876	55721
HOXC12	-0.82836	0.82836	0.69567	-5.4489	9.21E-05	0.016749	1.6684	3228
SLC22A5	-0.80663	0.80663	1.1312	-5.4095	9.88E-05	0.016959	1.6032	6584
IRX6	-0.64978	0.64978	0.51689	-5.338	0.000112	0.018125	1.4838	79190
CLDN3	-0.65756	0.65756	0.37232	-5.3087	0.000118	0.018345	1.4348	1365
OXER1	-0.74961	0.74961	0.61394	-5.3017	0.00012	0.018345	1.4231	165140
ATP1A1-AS1	-0.77802	0.77802	0.82044	-5.2977	0.000121	0.018345	1.4164	84852
FTCDNL1	-0.3822	0.3822	0.30346	-5.2725	0.000126	0.018518	1.374	348751
PRKN	-0.73869	0.73869	0.61859	-5.2197	0.000139	0.018518	1.2849	5071
LOC283335	-0.67561	0.67561	0.52467	-5.1918	0.000146	0.018518	1.2377	283335
LOC730098	-0.77025	0.77025	0.66948	-5.1891	0.000147	0.018518	1.2331	730098
ZCWPW1	-0.49388	0.49388	0.52912	-5.1761	0.00015	0.018766	1.211	55063
ARRDC3-AS1	-0.51413	0.51413	1.1977	-5.1652	0.000153	0.018998	1.1926	1E+08
FAM234B	-0.87688	0.87688	1.2341	-5.1561	0.000156	0.019035	1.177	57613
C9orf152	-0.83542	0.83542	0.46239	-5.0697	0.000182	0.020943	1.0297	401546

L3MBTL1	-0.63045	0.63045	0.70332	-5.0653	0.000183	0.020943	1.0222	26013
CHAC2	0.71349	0.71349	0.69038	5.0565	0.000186	0.020982	1.0071	494143
CCDC85A	-0.43552	0.43552	0.33673	-5.0235	0.000198	0.021202	0.95028	114800
TTC28-AS1	-0.51779	0.51779	0.55077	-5.0131	0.000202	0.021202	0.93238	284900
DDX12P	-0.93203	0.93203	1.0737	-4.985	0.000212	0.021481	0.88401	440081
SLC24A1	-0.65343	0.65343	1.1288	-4.9728	0.000217	0.021704	0.863	9187
UBOX5	-0.82106	0.82106	1.5623	-4.9076	0.000245	0.023296	0.75012	22888
VWA2	-0.94837	0.94837	0.97791	-4.9007	0.000248	0.023296	0.73807	340706
TMEM25	-0.87243	0.87243	0.93588	-4.9003	0.000248	0.023296	0.73739	84866
MYB	-0.4751	0.4751	0.34632	-4.8894	0.000253	0.023603	0.71855	4602
ASPA	-0.51283	0.51283	0.38484	-4.8754	0.00026	0.023603	0.69416	443
PRR22	-0.8279	0.8279	0.89761	-4.8693	0.000263	0.023603	0.68358	163154
HOXC4	-0.70818	0.70818	0.84361	-4.8552	0.00027	0.023845	0.65904	3221
SYN2	-0.47275	0.47275	0.27648	-4.8327	0.000281	0.02435	0.61973	6854
STRC	-0.42777	0.42777	0.28912	-4.8282	0.000284	0.024429	0.61184	161497
CTC-338M12.4	-0.89083	0.89083	1.1739	-4.8162	0.00029	0.024601	0.59089	1.02E+08
FOXI1	-0.85366	0.85366	0.46356	-4.8072	0.000295	0.024681	0.5752	2299
MEIS2	-0.7539	0.7539	1.283	-4.8049	0.000296	0.024681	0.57116	4212
MACROD2	-0.46526	0.46526	0.29622	-4.7836	0.000308	0.024681	0.53383	140733
DEPDC5	-0.64112	0.64112	1.5247	-4.7783	0.000311	0.024681	0.52453	9681
OTUD7A	-0.50725	0.50725	0.5234	-4.7779	0.000311	0.024681	0.52379	161725
TMEM147-AS1	-0.96045	0.96045	0.96544	-4.7688	0.000317	0.024681	0.50785	1.01E+08
ZNF418	-0.65225	0.65225	0.65586	-4.7576	0.000323	0.024681	0.48814	147686
ZKSCAN3	-0.49178	0.49178	0.75086	-4.7549	0.000325	0.024681	0.48338	80317
LINC00174	-0.94224	0.94224	0.95747	-4.7456	0.000331	0.024681	0.46719	285908
TMEM213	-0.48703	0.48703	0.27035	-4.7401	0.000334	0.024681	0.45752	155006

CACNB1	-0.99824	0.99824	0.85281	-4.7355	0.000337	0.024681	0.44939	782
SYDE2	-0.47729	0.47729	0.39171	-4.7351	0.000337	0.024681	0.44859	84144
SDHAP3	-0.72292	0.72292	0.83157	-4.7188	0.000348	0.024681	0.41991	728609
LRAT	0.60705	0.60705	0.30316	4.712	0.000352	0.024681	0.40793	9227
LINC00680-GUSBP4	-0.62893	0.62893	0.4639	-4.7113	0.000352	0.024681	0.4068	1.07E+08
LOC644634	-0.67453	0.67453	0.8217	-4.7016	0.000359	0.024927	0.38972	644634
KCNJ14	-0.40565	0.40565	0.4544	-4.6905	0.000366	0.024927	0.37013	3770
AMOT	-0.92603	0.92603	0.87321	-4.6742	0.000378	0.024927	0.34123	154796
SGMS1-AS1	-0.54498	0.54498	0.58213	-4.6671	0.000383	0.024927	0.3287	1.04E+08
FAM86HP	-0.43573	0.43573	0.44929	-4.6659	0.000384	0.024927	0.32664	729375
TRIM73	-0.60468	0.60468	0.46476	-4.6643	0.000385	0.024927	0.32378	375593
ROPN1B	-0.49501	0.49501	0.27512	-4.6617	0.000387	0.024927	0.31924	152015
RAD52	-0.92045	0.92045	1.2802	-4.6586	0.000389	0.024927	0.31371	5893
ZNF773	-0.49636	0.49636	0.81371	-4.658	0.000389	0.024927	0.31262	374928
EMC3-AS1	-0.42711	0.42711	0.60346	-4.6502	0.000395	0.024927	0.2989	442075
PDE9A	-0.91611	0.91611	0.72866	-4.6496	0.000396	0.024927	0.29782	5152
ZNF839	-0.69308	0.69308	1.6327	-4.6334	0.000408	0.025404	0.26908	55778
SCIN	-0.53367	0.53367	0.48324	-4.6285	0.000412	0.025481	0.26036	85477
SETMAR	-0.99731	0.99731	2.0469	-4.6035	0.000431	0.025846	0.21599	6419
DDX31	-0.64926	0.64926	1.7572	-4.5885	0.000444	0.026187	0.18948	64794
TMEM139	-0.39439	0.39439	0.40068	-4.5748	0.000455	0.026595	0.165	135932
MINCR	-0.60974	0.60974	0.57569	-4.5725	0.000457	0.026615	0.16101	1.01E+08
NPY1R	-0.77056	0.77056	0.44138	-4.5656	0.000463	0.026801	0.14874	4886
FBF1	-0.89816	0.89816	1.008	-4.5554	0.000472	0.026801	0.1306	85302
ATP9B	-0.84095	0.84095	3.3712	-4.5551	0.000472	0.026801	0.13001	374868
INTU	-0.58602	0.58602	1.1594	-4.5544	0.000473	0.026801	0.12873	27152

ARFGEF3	-0.81503	0.81503	0.60007	-4.5449	0.000482	0.0271	0.11189	57221
SFXN2	-0.49093	0.49093	0.77599	-4.5305	0.000495	0.027666	0.086075	118980
RPARP-AS1	-0.77373	0.77373	1.1646	-4.5215	0.000503	0.027918	0.070081	1.01E+08
DCST1-AS1	-0.75455	0.75455	1.0428	-4.5204	0.000504	0.027918	0.06817	1.01E+08
CDKL5	0.67351	0.67351	1.4449	4.5067	0.000518	0.02828	0.043667	6792
FREM1	-0.60292	0.60292	0.4137	-4.4992	0.000525	0.028577	0.03021	158326
STARD7-AS1	-0.52339	0.52339	0.98416	-4.4893	0.000535	0.028577	0.012598	285033
COX19	-0.77998	0.77998	1.6559	-4.4826	0.000542	0.028585	0.000462	90639
ZNF543	-0.8719	0.8719	2.4518	-4.4784	0.000546	0.028654	-0.00691	125919
METAP1D	-0.43386	0.43386	0.67788	-4.4721	0.000553	0.028794	-0.0182	254042
TTC12	-0.85577	0.85577	1.7668	-4.4716	0.000553	0.028794	-0.01923	54970
ALDH6A1	-0.98216	0.98216	1.8907	-4.4679	0.000557	0.028849	-0.02581	4329
DHRS12	-0.82592	0.82592	1.804	-4.4631	0.000562	0.028934	-0.03438	79758
CHRM1	-0.63518	0.63518	0.34732	-4.4548	0.000571	0.029166	-0.04937	1128
NRDE2	-0.85238	0.85238	2.2342	-4.4489	0.000578	0.029368	-0.05993	55051
GOLGA2P5	-0.37527	0.37527	0.37382	-4.4411	0.000586	0.029716	-0.07392	55592
BMP4	-0.9136	0.9136	0.97885	-4.4343	0.000594	0.029921	-0.08607	652
EDA	-0.57214	0.57214	0.59327	-4.4272	0.000602	0.029995	-0.09887	1896
SNHG20	-0.79857	0.79857	1.1645	-4.4222	0.000608	0.030072	-0.1078	654434
SMIM10L2A	-0.48624	0.48624	0.34655	-4.4198	0.00061	0.030072	-0.11216	399668
HHAT	-0.87461	0.87461	1.0629	-4.4192	0.000611	0.030072	-0.11315	55733
GPATCH1	-0.55261	0.55261	1.6485	-4.4038	0.000629	0.030163	-0.14094	55094
KLHL3	-0.71423	0.71423	0.9134	-4.4023	0.000631	0.030163	-0.14365	26249
ACTG1P4	-0.45483	0.45483	0.2952	-4.401	0.000632	0.030163	-0.14589	648740
ZNF397	-0.82253	0.82253	1.8768	-4.3978	0.000636	0.03019	-0.15163	84307
ZCCHC2	-0.92086	0.92086	1.8553	-4.3975	0.000637	0.03019	-0.15213	54877

MAP3K14-AS1	-0.4493	0.4493	0.49044	-4.3961	0.000638	0.03019	-0.1547	1E+08
LUCAT1	0.86094	0.86094	0.64182	4.384	0.000653	0.030358	-0.17643	1.01E+08
TCF7	-0.73324	0.73324	1.4424	-4.3802	0.000658	0.030358	-0.18343	6932
ZNF135	-0.49586	0.49586	0.47466	-4.3789	0.00066	0.030358	-0.18571	7694
LINC00663	-0.49385	0.49385	0.5188	-4.3779	0.000661	0.030358	-0.18754	284440
PLEKHA7	-0.90848	0.90848	1.7829	-4.3562	0.000689	0.031179	-0.22669	144100
LOC100132249	-0.38806	0.38806	0.34458	-4.3467	0.000701	0.031496	-0.24383	1E+08
LINC01184	-0.764	0.764	1.096	-4.34	0.00071	0.031727	-0.25577	644873
LOC100132077	-0.85568	0.85568	1.2354	-4.3299	0.000724	0.032145	-0.27408	1E+08
RNF165	-0.38768	0.38768	0.23229	-4.3258	0.00073	0.032145	-0.28151	494470
ZBTB39	-0.60666	0.60666	1.3658	-4.3209	0.000737	0.032145	-0.29042	9880
TIGD1	-0.97519	0.97519	1.0733	-4.313	0.000748	0.032252	-0.3046	200765
CCNO	-0.40234	0.40234	0.38322	-4.3071	0.000756	0.032252	-0.3153	10309
MRNIP	-0.4919	0.4919	0.64285	-4.3026	0.000763	0.032449	-0.3235	51149
CHAD	-0.91577	0.91577	0.60648	-4.2895	0.000782	0.032558	-0.34711	1101
SP5	-0.46169	0.46169	0.31814	-4.2878	0.000785	0.032558	-0.3502	389058
SH3GL1P2	-0.38277	0.38277	0.33311	-4.2822	0.000793	0.032687	-0.36033	6459
GABPB2	-0.88772	0.88772	2.1569	-4.2802	0.000796	0.032687	-0.36398	126626
GLS2	-0.3767	0.3767	0.40543	-4.2791	0.000798	0.032687	-0.36602	27165
LRRN1	-0.5306	0.5306	0.40084	-4.2725	0.000808	0.032807	-0.37796	57633
ROR1	-0.84125	0.84125	0.87112	-4.267	0.000817	0.032807	-0.38786	4919
ADPRHL1	-0.35445	0.35445	0.3672	-4.2666	0.000817	0.032807	-0.38862	113622
ANKRD61	-0.53777	0.53777	0.52906	-4.2626	0.000824	0.032807	-0.39598	1E+08
HOXA3	-0.36338	0.36338	0.50396	-4.2509	0.000842	0.032843	-0.41706	3200
ACTR3B	-0.77275	0.77275	1.4502	-4.2468	0.000849	0.03303	-0.4246	57180
TOGARAM1	-0.88181	0.88181	2.1877	-4.2381	0.000863	0.033304	-0.44033	23116

CYB5D1	-0.91395	0.91395	2.0256	-4.2371	0.000865	0.033304	-0.44222	124637
PLD6	-0.54725	0.54725	0.70207	-4.2367	0.000866	0.033304	-0.44292	201164
TRIM52	-0.95687	0.95687	1.3777	-4.2365	0.000866	0.033304	-0.44327	84851
KATNAL2	-0.52151	0.52151	0.59539	-4.2323	0.000873	0.033373	-0.45095	83473
PLEKHA6	-0.45747	0.45747	0.33938	-4.2288	0.000879	0.033472	-0.45718	22874
PHKG1	-0.83503	0.83503	0.7389	-4.228	0.00088	0.033472	-0.45877	5260
ZNF606	-0.73004	0.73004	1.0263	-4.2192	0.000895	0.033639	-0.47475	80095
ULBP1	0.37783	0.37783	0.21272	4.2178	0.000898	0.033639	-0.47718	80329
ZBTB25	-0.65628	0.65628	1.0897	-4.2154	0.000902	0.033639	-0.48156	7597
SLC29A2	-0.52628	0.52628	0.4846	-4.2136	0.000905	0.033639	-0.48481	3177
TTYH1	-0.81721	0.81721	0.54222	-4.2117	0.000908	0.033639	-0.48825	57348
SIRT5	-0.49084	0.49084	0.98841	-4.2116	0.000908	0.033639	-0.48855	23408
ANKRD31	0.92954	0.92954	0.63013	4.2092	0.000913	0.033639	-0.49284	256006
MBOAT1	-0.86762	0.86762	1.3639	-4.2059	0.000918	0.033705	-0.49883	154141
NAP1L2	-0.56391	0.56391	0.45977	-4.1988	0.000931	0.033871	-0.51184	4674
LINC01703	-0.27047	0.27047	0.18314	-4.1977	0.000933	0.033871	-0.51371	1.05E+08
ZNF490	-0.51402	0.51402	1.342	-4.1883	0.00095	0.033974	-0.53099	57474
CALML4	-0.86492	0.86492	1.2056	-4.1858	0.000955	0.033974	-0.53552	91860
FRA10AC1	-0.86221	0.86221	1.0516	-4.1826	0.000961	0.033974	-0.54134	118924
NSUN7	-0.3673	0.3673	0.2878	-4.1812	0.000963	0.033974	-0.5438	79730
STX18-AS1	-0.40765	0.40765	0.38545	-4.1803	0.000965	0.033974	-0.54552	1.01E+08
SPIN2A	-0.50207	0.50207	0.45646	-4.1773	0.00097	0.033974	-0.55088	54466
ZSWIM5	-0.32606	0.32606	0.30967	-4.167	0.00099	0.034236	-0.56974	57643
DNHD1	-0.76533	0.76533	0.89518	-4.1642	0.000995	0.034236	-0.57487	144132
LINC00515	-0.35261	0.35261	0.2842	-4.1641	0.000995	0.034236	-0.57497	282566
CCDC126	0.82598	0.82598	1.0502	4.1628	0.000998	0.034236	-0.57728	90693

LINC00965	-0.35767	0.35767	0.26409	-4.1502	0.001022	0.034679	-0.60025	349196
SFMBT1	-0.89082	0.89082	1.7145	-4.1499	0.001023	0.034679	-0.60094	51460
CYP4X1	-0.89581	0.89581	0.68961	-4.1487	0.001025	0.03469	-0.60312	260293
LOC100134868	-0.43059	0.43059	0.5239	-4.1411	0.00104	0.034845	-0.61685	1E+08
HOXC8	-0.57539	0.57539	0.97171	-4.1378	0.001047	0.034845	-0.62294	3224
BACE1-AS	-0.84352	0.84352	0.92669	-4.1368	0.001049	0.034845	-0.6247	1E+08
OCA2	-0.89703	0.89703	0.59038	-4.135	0.001053	0.034845	-0.62798	4948
ZXDA	-0.62976	0.62976	0.83203	-4.1323	0.001058	0.034889	-0.6329	7789
PTGES2-AS1	-0.37195	0.37195	0.50031	-4.1281	0.001067	0.035013	-0.6407	389791
NMT2	-0.8665	0.8665	2.0591	-4.1275	0.001068	0.035013	-0.64178	9397
LOC101926935	-0.71179	0.71179	0.58353	-4.1256	0.001072	0.035073	-0.64523	1.02E+08
PLEKHB1	-0.48177	0.48177	0.38155	-4.1205	0.001083	0.035215	-0.65456	58473
LRRC2	-0.49113	0.49113	0.28082	-4.1063	0.001113	0.036051	-0.68041	79442
STK32A	-0.46539	0.46539	0.32692	-4.1045	0.001117	0.036111	-0.68379	202374
GNG7	-0.53506	0.53506	0.49322	-4.0961	0.001135	0.036302	-0.69912	2788
HOXC-AS2	-0.38597	0.38597	0.32469	-4.0958	0.001135	0.036302	-0.6996	1.01E+08
SNX29P1	-0.6627	0.6627	0.95754	-4.093	0.001142	0.036431	-0.70482	1.01E+08
LOC646762	-0.64092	0.64092	0.85835	-4.0854	0.001158	0.036621	-0.71859	646762
HPSE2	-0.59718	0.59718	0.36354	-4.0834	0.001163	0.036644	-0.72236	60495
SLC13A2	-0.98289	0.98289	0.52665	-4.0771	0.001177	0.036944	-0.73394	9058
MGC16275	-0.39459	0.39459	0.56822	-4.0747	0.001183	0.037046	-0.73833	85001
LINC01138	-0.79088	0.79088	1.0309	-4.0725	0.001188	0.037069	-0.7422	388685
LRTOMT	-0.41498	0.41498	0.66006	-4.0705	0.001192	0.037069	-0.74591	220074
DDTL	-0.58353	0.58353	0.90453	-4.0674	0.0012	0.037089	-0.75164	1E+08
LINC02580	-0.87085	0.87085	0.67342	-4.0625	0.001211	0.037375	-0.76063	1.01E+08
PIGG	-0.93035	0.93035	3.2805	-4.0559	0.001226	0.037681	-0.77265	54872

CASTOR3	-0.91854	0.91854	1.2239	-4.0546	0.00123	0.037681	-0.77506	352954
PICART1	-0.27188	0.27188	0.18804	-4.0524	0.001235	0.037681	-0.779	284080
MAPT	-0.5557	0.5557	0.38801	-4.0517	0.001237	0.037681	-0.7804	4137
TMPRSS5	-0.42274	0.42274	0.32171	-4.0416	0.001261	0.038015	-0.79894	80975
RTN1	-0.45627	0.45627	0.58888	-4.0357	0.001275	0.038314	-0.80974	6252
DNAH1	-0.9978	0.9978	1.1217	-4.028	0.001295	0.038682	-0.82381	25981
NEIL1	-0.94088	0.94088	1.0555	-4.0249	0.001302	0.038682	-0.82946	79661
FAM182B	-0.46236	0.46236	0.40207	-4.0237	0.001305	0.038682	-0.83167	728882
TLR3	-0.68444	0.68444	0.6856	-4.0202	0.001314	0.038682	-0.83815	7098
LAMB2P1	-0.55619	0.55619	0.45159	-4.0199	0.001315	0.038682	-0.83859	22973
ADCY2	-0.9226	0.9226	0.56782	-4.0195	0.001316	0.038682	-0.8393	108
SLC2A12	-0.68493	0.68493	0.66376	-4.018	0.00132	0.038682	-0.84217	154091
ZNF174	-0.48485	0.48485	0.93556	-4.0145	0.001329	0.038682	-0.84852	7727
DET1	-0.49282	0.49282	0.66331	-4.0122	0.001335	0.038718	-0.85276	55070
GTF2IRD2B	-0.86327	0.86327	1.1516	-4.009	0.001343	0.038777	-0.85857	389524
CHRM3	-0.88139	0.88139	1.0109	-4.0007	0.001365	0.039053	-0.87383	1131
ADCY8	-0.66009	0.66009	0.35387	-3.9985	0.001371	0.03909	-0.87796	114
EIF3J-DT	-0.6812	0.6812	1.0972	-3.9916	0.001389	0.039349	-0.89056	645212
ASH1L-AS1	-0.5729	0.5729	0.84539	-3.9896	0.001395	0.039381	-0.89421	645676
RAB40AL	-0.36621	0.36621	0.36422	-3.9895	0.001395	0.039381	-0.89449	282808
GCNT2	-0.43584	0.43584	0.44261	-3.9836	0.001411	0.039698	-0.90524	2651
ZNF852	-0.5311	0.5311	1.1155	-3.9773	0.001428	0.039927	-0.91688	285346
MMP25-AS1	-0.52986	0.52986	0.55044	-3.9763	0.001431	0.039927	-0.91873	1.01E+08
NKAPP1	-0.74552	0.74552	0.64287	-3.9724	0.001442	0.039927	-0.92584	158801
LOC100129534	-0.36345	0.36345	0.23786	-3.9722	0.001442	0.039927	-0.92614	1E+08
P2RY11	-0.87364	0.87364	0.50976	-3.9721	0.001443	0.039927	-0.9264	5032

SNORC	-0.9628	0.9628	0.69009	-3.972	0.001443	0.039927	-0.92658	389084
KIAA1328	-0.63146	0.63146	0.94121	-3.9688	0.001452	0.039927	-0.9325	57536
HNRNPA1L2	-0.82478	0.82478	1.4307	-3.9638	0.001466	0.040186	-0.9417	144983
PCLO	-0.73611	0.73611	0.50605	-3.9615	0.001473	0.04021	-0.94592	27445
CHADL	-0.55677	0.55677	0.41717	-3.9612	0.001474	0.04021	-0.94641	150356
IGSF10	-0.9571	0.9571	0.58074	-3.9601	0.001477	0.04021	-0.94839	285313
USP49	-0.43923	0.43923	0.67953	-3.9539	0.001495	0.040496	-0.95983	25862
RPS6KL1	-0.54213	0.54213	0.5314	-3.9507	0.001504	0.040496	-0.96572	83694
TAS2R5	-0.59986	0.59986	0.61913	-3.9481	0.001512	0.040568	-0.97057	54429
CYP2D6	-0.69098	0.69098	0.59213	-3.9456	0.001519	0.040568	-0.97509	1565
DKK2	-0.41917	0.41917	0.34207	-3.9441	0.001523	0.040568	-0.97791	27123
TSEN2	-0.6736	0.6736	1.4632	-3.9422	0.001529	0.040588	-0.98136	80746
CCSER1	-0.39203	0.39203	0.28415	-3.9408	0.001533	0.040632	-0.98387	401145
TYW1B	-0.62401	0.62401	0.9161	-3.938	0.001541	0.040726	-0.98901	441250
PCDH19	-0.51599	0.51599	0.38834	-3.9351	0.00155	0.040798	-0.99449	57526
ELF5	-0.48593	0.48593	0.28112	-3.9347	0.001551	0.040798	-0.99513	2001
PASK	-0.58735	0.58735	0.96903	-3.9313	0.001562	0.040861	-1.0015	23178
DANT1	-0.59223	0.59223	0.45078	-3.9274	0.001574	0.040861	-1.0086	1.06E+08
CZ1P-ASNS	-0.62614	0.62614	0.56474	-3.9263	0.001577	0.040861	-1.0107	1.08E+08
PMS2P4	-0.73994	0.73994	1.4002	-3.9254	0.00158	0.040861	-1.0122	5382
LOC100506083	-0.33063	0.33063	0.25622	-3.9248	0.001582	0.040861	-1.0134	1.01E+08
SP8	-0.51045	0.51045	0.3038	-3.9236	0.001585	0.040861	-1.0156	221833
IGSF9B	-0.77383	0.77383	0.68045	-3.9231	0.001587	0.040861	-1.0166	22997
CYP2D7	-0.75607	0.75607	0.80288	-3.9209	0.001594	0.040861	-1.0205	1564
C4orf19	-0.39282	0.39282	0.3314	-3.9163	0.001608	0.040892	-1.0291	55286
ZNF774	-0.31409	0.31409	0.34571	-3.9162	0.001608	0.040892	-1.0293	342132

TIRAP	-0.69071	0.69071	1.8283	-3.9156	0.00161	0.040892	-1.0303	114609
LOC100132356	-0.93167	0.93167	1.2384	-3.9079	0.001635	0.04113	-1.0446	1E+08
UBAP1L	-0.75884	0.75884	0.80543	-3.9047	0.001645	0.041257	-1.0503	390595
TMEM8B	-0.9853	0.9853	1.1484	-3.8997	0.001661	0.04144	-1.0597	51754
ZFAND4	-0.4537	0.4537	0.95915	-3.8981	0.001666	0.04144	-1.0625	93550
IQCH-AS1	-0.32132	0.32132	0.38361	-3.8979	0.001667	0.04144	-1.0628	1.01E+08
CHRNA	-0.45685	0.45685	0.37643	-3.8979	0.001667	0.04144	-1.0629	1146
ARSG	-0.90537	0.90537	1.3717	-3.8959	0.001673	0.041538	-1.0665	22901
CPNE7	-0.32512	0.32512	0.25169	-3.8878	0.0017	0.041804	-1.0815	27132
RPS10P7	-0.4385	0.4385	0.5316	-3.8866	0.001704	0.041804	-1.0838	376693
CNTN3	-0.32204	0.32204	0.23645	-3.8854	0.001708	0.041804	-1.0859	5067
ZNF213-AS1	-0.37358	0.37358	0.44422	-3.883	0.001716	0.041804	-1.0904	1.01E+08
C2CD3	-0.78073	0.78073	1.8933	-3.8825	0.001718	0.041804	-1.0913	26005
ZFP3	-0.71274	0.71274	1.0026	-3.8824	0.001718	0.041804	-1.0916	124961
N4BP2L1	-0.89274	0.89274	0.89942	-3.8811	0.001722	0.041804	-1.0938	90634
MTERF4	-0.9519	0.9519	1.9508	-3.8811	0.001722	0.041804	-1.094	130916
TMEM266	-0.7186	0.7186	0.51491	-3.8806	0.001724	0.041804	-1.0949	123591
GMDS-DT	-0.42872	0.42872	0.47056	-3.8781	0.001732	0.04189	-1.0994	1.01E+08
GOLGA8N	-0.74704	0.74704	0.81548	-3.8775	0.001734	0.04189	-1.1006	643699
SREBF2-AS1	-0.53996	0.53996	0.69751	-3.8758	0.00174	0.041962	-1.1036	1.13E+08
SLC24A5	-0.53745	0.53745	0.44922	-3.875	0.001743	0.041973	-1.1052	283652
FOXGUT	-0.80236	0.80236	0.53625	-3.868	0.001767	0.042366	-1.118	1.02E+08
TMPRSS2	-0.80206	0.80206	0.46426	-3.8601	0.001794	0.04281	-1.1326	7113
GPR143	-0.5255	0.5255	0.52397	-3.8592	0.001797	0.04281	-1.1342	4935
NEK8	-0.45976	0.45976	0.6009	-3.859	0.001798	0.04281	-1.1346	284086
TMEM220	-0.69097	0.69097	0.89801	-3.8504	0.001828	0.043352	-1.1505	388335

PPIEL	-0.88174	0.88174	0.98391	-3.8488	0.001834	0.043366	-1.1534	728448
LOC100506388	-0.31813	0.31813	0.22446	-3.846	0.001844	0.043483	-1.1586	1.01E+08
LINC01144	-0.32577	0.32577	0.28551	-3.8427	0.001856	0.043585	-1.1648	400752
POU5F2	-0.75674	0.75674	0.81357	-3.8411	0.001862	0.043655	-1.1676	134187
MKS1	-0.81544	0.81544	1.6755	-3.8399	0.001866	0.043701	-1.1699	54903
ZNF304	-0.47855	0.47855	1.7392	-3.8385	0.001871	0.043761	-1.1726	57343
JHY	0.88765	0.88765	1.0559	3.8364	0.001879	0.043875	-1.1763	79864
SEC31B	-0.97083	0.97083	1.1356	-3.8352	0.001884	0.043923	-1.1787	25956
DCST2	-0.6215	0.6215	0.4889	-3.8261	0.001917	0.04443	-1.1953	127579
GTF2IRD2	-0.95939	0.95939	1.4866	-3.8257	0.001919	0.04443	-1.1961	84163
FAM120C	-0.78618	0.78618	1.2032	-3.8233	0.001928	0.044435	-1.2005	54954
RABL2A	-0.63644	0.63644	0.83588	-3.8146	0.001961	0.044855	-1.2166	11159
LOC554206	-0.29801	0.29801	0.26993	-3.807	0.00199	0.0453	-1.2307	554206
PMS2	-0.90807	0.90807	2.248	-3.8002	0.002017	0.04552	-1.2432	5395
LINC01061	-0.88526	0.88526	1.0067	-3.8002	0.002017	0.04552	-1.2433	401149
SPATA6	-0.84327	0.84327	0.9645	-3.7978	0.002026	0.045594	-1.2477	54558
PARTICL	-0.57599	0.57599	0.9894	-3.7972	0.002028	0.045594	-1.2487	1.01E+08
PRR26	-0.70492	0.70492	0.78915	-3.7944	0.00204	0.045656	-1.254	414235
DPF1	0.42462	0.42462	0.31046	3.7913	0.002052	0.045751	-1.2597	8193
FOXO6	-0.4418	0.4418	0.30927	-3.7908	0.002054	0.045751	-1.2606	1E+08
NBEA	-0.77762	0.77762	0.63117	-3.7868	0.00207	0.045937	-1.2679	26960
LINC00999	-0.68327	0.68327	1.0832	-3.7858	0.002074	0.045937	-1.2698	399744
LINC00893	-0.80342	0.80342	0.83453	-3.7857	0.002075	0.045937	-1.27	1E+08
MYRIP	-0.74368	0.74368	0.58292	-3.7811	0.002093	0.04626	-1.2785	25924
RFT1	-0.93995	0.93995	2.0112	-3.7764	0.002113	0.046417	-1.2871	91869
PROCA1	-0.34827	0.34827	0.37008	-3.7688	0.002144	0.046922	-1.3013	147011

CREG2	0.31811	0.31811	0.16688	3.7678	0.002148	0.046922	-1.303	200407
SNORA2A	-0.53253	0.53253	0.32919	-3.7638	0.002165	0.047076	-1.3105	677793
LRRC37A3	-0.99199	0.99199	1.4366	-3.7636	0.002166	0.047076	-1.3109	374819
C17orf113	-0.27547	0.27547	0.18827	-3.7622	0.002172	0.047076	-1.3134	1.11E+08
FRG1BP	-0.68612	0.68612	1.516	-3.7589	0.002186	0.04731	-1.3195	284802
CPEB3	-0.64024	0.64024	1.2714	-3.7554	0.002201	0.047398	-1.3259	22849
LINC01126	-0.51343	0.51343	0.5636	-3.7528	0.002212	0.047421	-1.3308	1E+08
SYBU	-0.61985	0.61985	0.69506	-3.7468	0.002239	0.047593	-1.342	55638
BFSP1	0.41605	0.41605	0.48238	3.7453	0.002245	0.047593	-1.3448	631
TSSK6	-0.33945	0.33945	0.38122	-3.7355	0.002289	0.048121	-1.3628	83983
C7orf57	0.27142	0.27142	0.1913	3.7314	0.002307	0.048271	-1.3705	136288
HSD17B7P2	-0.48202	0.48202	0.69388	-3.7274	0.002326	0.04856	-1.3779	158160
THSD4-AS2	-0.58253	0.58253	0.46237	-3.7269	0.002328	0.04856	-1.3788	1.02E+08
ITGB7	-0.76206	0.76206	1.0838	-3.7232	0.002345	0.048688	-1.3856	3695
ETV7	-0.97861	0.97861	0.81615	-3.7152	0.002381	0.049051	-1.4003	51513
LHFPL4	-0.2485	0.2485	0.19072	-3.7146	0.002384	0.049051	-1.4015	375323
LRFN5	-0.42293	0.42293	0.33224	-3.7145	0.002385	0.049051	-1.4017	145581
SARM1	-0.78181	0.78181	0.96747	-3.7113	0.0024	0.049051	-1.4077	23098
SLC16A8	-0.32746	0.32746	0.31482	-3.7017	0.002445	0.049465	-1.4253	23539
FAM185BP	-0.9876	0.9876	0.83678	-3.7013	0.002447	0.049465	-1.4262	641808
MYEOV	-0.97962	0.97962	0.56856	-3.6951	0.002477	0.049831	-1.4377	26579
SLC25A4	-0.72027	0.72027	1.201	-3.691	0.002497	0.049831	-1.4452	291
LOC145694	0.34522	0.34522	0.32613	3.6902	0.002501	0.049857	-1.4468	145694
PKIA	-0.84494	0.84494	0.76788	-3.6893	0.002505	0.049877	-1.4483	5569
ERICH1	-0.80144	0.80144	1.7256	-3.6828	0.002538	0.050257	-1.4604	157697
ZNF7	-0.60474	0.60474	2.5327	-3.6828	0.002538	0.050257	-1.4604	7553

TGFBR3	-6.663	6.663	6.2909	-3.6825	0.002539	0.050257	-1.461	7049
LOC392196	-0.35377	0.35377	0.24101	-3.6811	0.002546	0.050338	-1.4636	392196
SLC36A4	0.73661	0.73661	1.1266	3.679	0.002557	0.050483	-1.4674	120103
LOC729732	-2.9475	2.9475	2.3709	-3.675	0.002577	0.050823	-1.4749	729732
FAM66C	-0.35566	0.35566	0.32064	-3.6742	0.002581	0.050836	-1.4763	440078
GPR27	-0.66396	0.66396	0.46207	-3.6734	0.002585	0.050836	-1.4778	2850
RHCG	161.42	161.42	97.809	3.6731	0.002587	0.050836	-1.4784	51458
FAM186B	-0.33319	0.33319	0.37431	-3.6711	0.002596	0.050968	-1.482	84070
TP73	-1.8352	1.8352	1.7525	-3.6685	0.00261	0.051169	-1.4868	7161
SPAG17	1.6463	1.6463	1.0585	3.6672	0.002617	0.051248	-1.4893	200162
SOX8	-0.38311	0.38311	0.30993	-3.6661	0.002622	0.051295	-1.4914	30812
SOSTDC1	-1.5097	1.5097	1.3479	-3.6655	0.002625	0.051295	-1.4924	25928
DICER1-AS1	-0.4585	0.4585	0.49094	-3.6647	0.002629	0.051316	-1.4939	400242
SSR4P1	-0.33205	0.33205	0.38138	-3.6612	0.002648	0.051525	-1.5004	728039
FAM13A	-1.4193	1.4193	2.0764	-3.6611	0.002648	0.051525	-1.5005	10144
ZNF718	-0.55355	0.55355	0.79047	-3.6609	0.002649	0.051525	-1.501	255403
GPX3	82.021	82.021	68.667	3.66	0.002654	0.051553	-1.5026	2878
WRN	-1.0037	1.0037	1.7914	-3.6594	0.002657	0.051553	-1.5037	7486
PRRC2B	-9.2016	9.2016	16.128	-3.6557	0.002676	0.051871	-1.5106	84726
LOC101927377	-0.29961	0.29961	0.38844	-3.6548	0.002681	0.05191	-1.5124	1.02E+08
LDB1	-9.5668	9.5668	18.024	-3.6508	0.002702	0.052229	-1.5197	8861
CDCA7L	-1.805	1.805	3.1832	-3.6505	0.002704	0.052229	-1.5203	55536
IBA57	-0.74719	0.74719	1.4017	-3.6496	0.002708	0.052258	-1.5219	200205
ZC2HC1C	-0.25558	0.25558	0.24376	-3.6467	0.002724	0.052494	-1.5272	79696
C12orf54	0.34988	0.34988	0.22648	3.6453	0.002731	0.052581	-1.5299	121273
XYLB	-0.34064	0.34064	0.49463	-3.6442	0.002737	0.052633	-1.5319	9942

MTVR2	-0.77833	0.77833	0.58288	-3.6428	0.002745	0.052685	-1.5345	246754
RND3	22.938	22.938	23.372	3.642	0.002749	0.052685	-1.536	390
KY	-1.224	1.224	0.72653	-3.6415	0.002752	0.052685	-1.537	339855
SH3BP2	-6.66	6.66	9.492	-3.6408	0.002756	0.052685	-1.5383	6452
ZNF554	-0.55655	0.55655	0.89108	-3.6392	0.002764	0.052685	-1.5412	115196
SPRY4	3.0975	3.0975	3.1953	3.6391	0.002765	0.052685	-1.5414	81848
RNF223	5.3309	5.3309	4.2148	3.6388	0.002767	0.052685	-1.542	401934
LINC01605	1.5111	1.5111	1.4036	3.6374	0.002774	0.052685	-1.5444	1.01E+08
MALL	42.037	42.037	35.695	3.6373	0.002774	0.052685	-1.5447	7851
B3GALT5	-0.42	0.42	0.24322	-3.6361	0.002781	0.052685	-1.5469	10317
LOC401261	-1.0717	1.0717	1.19	-3.6354	0.002785	0.052685	-1.5482	401261
EMP2	-9.813	9.813	18.817	-3.6348	0.002788	0.052685	-1.5493	2013
AMPD3	4.3902	4.3902	5.7938	3.6344	0.00279	0.052685	-1.5501	272
MTR	-1.9147	1.9147	3.5877	-3.6343	0.002791	0.052685	-1.5502	4548
CNNM1	-0.28776	0.28776	0.21264	-3.6343	0.002791	0.052685	-1.5502	26507
APOBEC2	-0.49457	0.49457	0.45805	-3.6341	0.002792	0.052685	-1.5506	10930
NFYC-AS1	-0.38222	0.38222	0.40241	-3.6336	0.002795	0.052685	-1.5516	1E+08
CDK5R1	3.9874	3.9874	4.3152	3.6334	0.002796	0.052685	-1.552	8851
PRSS3	12.578	12.578	11.187	3.6325	0.002801	0.052686	-1.5537	5646
ZNF362	-3.5321	3.5321	5.5486	-3.6322	0.002802	0.052686	-1.5541	149076
LOC101927550	-0.62701	0.62701	0.87957	-3.6305	0.002812	0.052716	-1.5572	1.02E+08
TATDN2	-2.9656	2.9656	7.0304	-3.6297	0.002816	0.052716	-1.5587	9797
TAF4B	-0.81646	0.81646	1.4533	-3.6295	0.002817	0.052716	-1.5591	6875
MSTO2P	-0.33146	0.33146	0.44006	-3.6289	0.002821	0.052716	-1.5603	1E+08
TUB	-0.91045	0.91045	1.2068	-3.6286	0.002822	0.052716	-1.5608	7275
DYRK3	2.7882	2.7882	2.669	3.6285	0.002823	0.052716	-1.5609	8444

ZNF426	3.1354	3.1354	3.7065	3.6272	0.00283	0.052799	-1.5635	79088
LOC100131496	-0.30953	0.30953	0.35806	-3.6264	0.002835	0.052823	-1.5649	1E+08
AJAP1	3.6449	3.6449	1.9606	3.6257	0.002839	0.052837	-1.5662	55966
CTPS2	-0.69715	0.69715	1.2687	-3.6247	0.002844	0.052883	-1.5681	56474
ZNF516	-1.4556	1.4556	3.9204	-3.6236	0.00285	0.052938	-1.5701	9658
TSHZ1	-1.3408	1.3408	3.0572	-3.621	0.002865	0.053153	-1.575	10194
PAX3	-0.28432	0.28432	0.20006	-3.618	0.002882	0.05339	-1.5804	5077
POLR2J4	-0.60554	0.60554	0.88029	-3.6176	0.002884	0.05339	-1.5813	84820
MED8	7.7208	7.7208	10.842	3.6129	0.002911	0.053597	-1.59	112950
NR2C2	-1.8821	1.8821	5.7412	-3.6128	0.002911	0.053597	-1.5901	7182
HBEGF	14.243	14.243	8.5302	3.6118	0.002917	0.053597	-1.592	1839
ZBTB16	-5.491	5.491	3.1195	-3.6117	0.002917	0.053597	-1.5921	7704
MARK3	8.1134	8.1134	13.063	3.6115	0.002919	0.053597	-1.5924	4140
AR	-0.73818	0.73818	0.65029	-3.6115	0.002919	0.053597	-1.5925	367
LINC00894	-1.3969	1.3969	1.4262	-3.6114	0.002919	0.053597	-1.5926	1E+08
LOC642846	-0.91301	0.91301	1.2453	-3.6112	0.002921	0.053597	-1.5932	642846
PRPF6	-6.7528	6.7528	13.623	-3.6078	0.00294	0.053894	-1.5994	24148
UBE2F	5.9771	5.9771	7.4427	3.607	0.002944	0.053916	-1.6008	140739
TCF7L2	-1.7558	1.7558	2.8646	-3.6043	0.00296	0.054094	-1.6059	6934
TSPAN8	-1.2913	1.2913	0.69889	-3.6039	0.002962	0.054094	-1.6066	7103
RAP2A	4.8489	4.8489	5.8778	3.6037	0.002964	0.054094	-1.607	5911
CLDN10	-1.149	1.149	0.6535	-3.6007	0.002981	0.054356	-1.6126	9071
PA2G4P4	-0.60642	0.60642	0.67381	-3.5998	0.002986	0.054389	-1.6142	647033
NUDT13	-0.66018	0.66018	0.72898	-3.5976	0.002999	0.054551	-1.6182	25961
RAB11FIP4	-1.0746	1.0746	1.4956	-3.5972	0.003002	0.054551	-1.619	84440
HMGA2	0.45974	0.45974	0.25692	3.5962	0.003008	0.054604	-1.6209	8091

FDPSP2	-1.5527	1.5527	1.5059	-3.5937	0.003023	0.054812	-1.6255	619190
PLCD1	10.783	10.783	12.553	3.5922	0.003031	0.05491	-1.6282	5333
MAPK6	16.196	16.196	20.778	3.5915	0.003036	0.054933	-1.6296	5597
LOC646471	-0.95359	0.95359	1.1446	-3.5893	0.003049	0.055106	-1.6336	646471
RBP1	7.448	7.448	5.511	3.5872	0.003062	0.055217	-1.6376	5947
ACCS	-1.5433	1.5433	1.8483	-3.5864	0.003066	0.055217	-1.6391	84680
GOLGA8IP	-0.27852	0.27852	0.27332	-3.5859	0.00307	0.055217	-1.6401	283796
LINC01176	-1.2247	1.2247	1.5681	-3.5852	0.003073	0.055217	-1.6412	1.01E+08
MCM9	-0.51708	0.51708	1.5651	-3.5851	0.003074	0.055217	-1.6415	254394
ELL3	-1.7713	1.7713	2.6508	-3.5845	0.003077	0.055217	-1.6425	80237
LINC00173	-0.91754	0.91754	0.59785	-3.5845	0.003078	0.055217	-1.6425	1E+08
ZNF445	-1.0473	1.0473	2.0436	-3.5815	0.003096	0.055428	-1.6481	353274
HTR7	1.8313	1.8313	1.4562	3.5815	0.003096	0.055428	-1.6482	3363
PNMA8B	-0.5287	0.5287	0.46206	-3.5806	0.003101	0.055461	-1.6498	57469
NOS1AP	-0.23142	0.23142	0.19112	-3.5801	0.003104	0.055461	-1.6507	9722
PNPLA8	2.0208	2.0208	3.4896	3.5794	0.003109	0.05548	-1.652	50640
LOC100652768	-0.69191	0.69191	0.86983	-3.5775	0.00312	0.055554	-1.6556	1.01E+08
ZDHHC13	8.8299	8.8299	8.953	3.577	0.003123	0.055554	-1.6565	54503
LINC01145	-0.27625	0.27625	0.35593	-3.5762	0.003128	0.055554	-1.6579	1.03E+08
GUSBP4	-0.89937	0.89937	0.8975	-3.5754	0.003133	0.055554	-1.6595	375513
SNHG28	-0.35411	0.35411	0.37852	-3.5753	0.003134	0.055554	-1.6597	284677
RBL2	-2.8505	2.8505	8.5501	-3.5748	0.003137	0.055554	-1.6605	5934
ZNF276	-2.2037	2.2037	4.0267	-3.574	0.003142	0.055554	-1.6621	92822
FAM156B	-1.5541	1.5541	2.4696	-3.5737	0.003144	0.055554	-1.6625	727866
AMY2B	-3.3385	3.3385	2.7181	-3.5735	0.003145	0.055554	-1.6629	280
UBE2Q2	8.9595	8.9595	9.2462	3.5732	0.003147	0.055554	-1.6635	92912

KRT7	-9.058	9.058	5.2288	-3.5723	0.003152	0.055554	-1.6651	3855
SPAG9	5.2451	5.2451	11.226	3.5723	0.003152	0.055554	-1.6652	9043
RPS6KC1	0.7124	0.7124	2.252	3.5717	0.003156	0.055563	-1.6663	26750
TSSK4	-0.88075	0.88075	1.0367	-3.5704	0.003164	0.055649	-1.6688	283629
MTMR4	-1.7209	1.7209	4.7058	-3.569	0.003173	0.05574	-1.6713	9110
TENM3	1.7992	1.7992	1.349	3.5675	0.003182	0.055776	-1.674	55714
GPT	-1.232	1.232	0.92645	-3.5669	0.003186	0.055776	-1.6752	2875
NAF1	-0.84155	0.84155	2.8057	-3.5666	0.003188	0.055776	-1.6758	92345
POGZ	-1.8394	1.8394	6.4361	-3.5663	0.00319	0.055776	-1.6763	23126
TIGAR	1.3134	1.3134	1.4263	3.5661	0.003191	0.055776	-1.6768	57103
H6PD	-8.2037	8.2037	10.278	-3.5649	0.003199	0.05584	-1.6789	9563
EDEM3	1.6755	1.6755	3.9328	3.5644	0.003202	0.05584	-1.6798	80267
FAM66B	-0.48225	0.48225	0.46684	-3.5626	0.003213	0.055956	-1.6832	1E+08
DUS3L	-2.2723	2.2723	4.8968	-3.5619	0.003217	0.055956	-1.6844	56931
GSKIP	3.3295	3.3295	3.8973	3.5616	0.003219	0.055956	-1.685	51527
TTLL3	-2.0631	2.0631	2.3287	-3.5613	0.003222	0.055956	-1.6857	26140
SNHG4	-0.56035	0.56035	0.80336	-3.5588	0.003237	0.05617	-1.6903	724102
GNB5	2.1684	2.1684	3.5004	3.5582	0.003241	0.056174	-1.6913	10681
INTS6-AS1	-0.37644	0.37644	0.62918	-3.5563	0.003253	0.056326	-1.6948	1.01E+08
LINC00885	-0.5949	0.5949	0.52631	-3.5558	0.003256	0.05633	-1.6958	401109
TSPYL2	-3.3825	3.3825	3.5357	-3.5544	0.003265	0.056423	-1.6984	64061
ZNF550	-0.49213	0.49213	0.96512	-3.5539	0.003269	0.056425	-1.6994	162972
TRAPPC6A	-3.9988	3.9988	4.7079	-3.5532	0.003273	0.056447	-1.7007	79090
FAM25A	301.15	301.15	188	3.5507	0.003289	0.056667	-1.7053	643161
TAF13	10.781	10.781	11.523	3.5495	0.003297	0.056736	-1.7074	6884
SERHL2	-0.81625	0.81625	0.76224	-3.5463	0.003318	0.056931	-1.7135	253190

ILDR1	-0.26755	0.26755	0.18186	-3.5462	0.003318	0.056931	-1.7136	286676
TBC1D23	3.9111	3.9111	6.2337	3.546	0.003319	0.056931	-1.7139	55773
PCDHB13	-0.92596	0.92596	1.6521	-3.5455	0.003323	0.056931	-1.7149	56123
BLOC1S5	-0.58227	0.58227	0.70654	-3.5452	0.003325	0.056931	-1.7155	63915
EEA1	3.0302	3.0302	5.2269	3.5431	0.003339	0.056999	-1.7193	8411
STAM	4.2581	4.2581	5.0893	3.5429	0.00334	0.056999	-1.7198	8027
LOC103344931	-0.72094	0.72094	1.4823	-3.5428	0.00334	0.056999	-1.7198	1.03E+08
RGS17	0.61998	0.61998	0.4584	3.5425	0.003342	0.056999	-1.7204	26575
LY75	-1.0059	1.0059	1.1187	-3.5396	0.003362	0.057275	-1.7259	4065
JUNB	85.108	85.108	106.36	3.538	0.003373	0.057399	-1.7289	3726
SMG1	-5.0043	5.0043	11.285	-3.5334	0.003403	0.057857	-1.7375	23049
ESR2	-0.25858	0.25858	0.24092	-3.5324	0.00341	0.057857	-1.7393	2100
MAGOH2P	-0.65445	0.65445	0.52077	-3.5323	0.003411	0.057857	-1.7395	1.01E+08
AS3MT	-0.34825	0.34825	0.25144	-3.5314	0.003417	0.057857	-1.7411	57412
LOC152048	-1.0974	1.0974	1.7295	-3.5313	0.003417	0.057857	-1.7412	152048
RNF39	1.7608	1.7608	1.6618	3.5306	0.003422	0.057857	-1.7425	80352
SDCBP2	25.171	25.171	21.756	3.5303	0.003424	0.057857	-1.743	27111
ZFP36	97.066	97.066	107.21	3.5296	0.003428	0.057879	-1.7443	7538
ZBTB18	-0.7023	0.7023	1.5071	-3.5291	0.003432	0.057888	-1.7454	10472
PHKA2-AS1	-0.26391	0.26391	0.2656	-3.528	0.003439	0.057948	-1.7474	1E+08
CERK	3.6787	3.6787	7.3825	3.5272	0.003445	0.057954	-1.7488	64781
TRPM1	-0.52675	0.52675	0.31456	-3.527	0.003446	0.057954	-1.7493	4308
ZFP62	-1.2232	1.2232	2.4125	-3.5254	0.003457	0.058074	-1.7522	643836
FAHD2CP	-0.64245	0.64245	0.64588	-3.5228	0.003474	0.058309	-1.757	729234
OGA	-6.0132	6.0132	17.151	-3.5219	0.003481	0.058346	-1.7587	10724
FLJ46875	-0.29431	0.29431	0.36672	-3.5215	0.003484	0.058346	-1.7594	440918

JADE1	-0.80656	0.80656	1.5259	-3.5205	0.003491	0.058405	-1.7614	79960
HERC1	-2.3179	2.3179	6.3307	-3.52	0.003494	0.058405	-1.7623	8925
CDON	-4.0393	4.0393	3.0753	-3.519	0.003501	0.05846	-1.7641	50937
MIR600HG	-0.7168	0.7168	1.0042	-3.518	0.003508	0.058521	-1.766	81571
PPP1R3B	2.0568	2.0568	4.6641	3.5169	0.003515	0.058561	-1.7679	79660
MASP2	-1.1078	1.1078	1.0534	-3.5166	0.003517	0.058561	-1.7685	10747
LOC145783	-0.60505	0.60505	0.86661	-3.5147	0.00353	0.058668	-1.772	145783
TMEM237	-1.842	1.842	3.3273	-3.5145	0.003532	0.058668	-1.7725	65062
SBF2	-1.9964	1.9964	5.4186	-3.5142	0.003534	0.058668	-1.773	81846
MCF2L-AS1	-0.25638	0.25638	0.14022	-3.5134	0.00354	0.058707	-1.7746	1E+08
IKBKB	-2.4622	2.4622	6.3056	-3.5115	0.003553	0.058864	-1.778	3551
WWOX	-0.72523	0.72523	1.7737	-3.51	0.003564	0.058984	-1.7808	51741
COL21A1	-0.77078	0.77078	0.90682	-3.5091	0.00357	0.059027	-1.7825	81578
TREX1	-2.5818	2.5818	4.3113	-3.5085	0.003574	0.059031	-1.7835	11277
RNF11	14.95	14.95	20.572	3.5081	0.003577	0.059031	-1.7844	26994
METTL8	-1.0206	1.0206	2.5363	-3.5066	0.003588	0.059109	-1.7872	79828
ESPN	-3.8612	3.8612	3.3408	-3.5064	0.003589	0.059109	-1.7874	83715
RRAGB	-0.92728	0.92728	2.0591	-3.5047	0.003601	0.059219	-1.7906	10325
ASB16	-0.3216	0.3216	0.41525	-3.5045	0.003602	0.059219	-1.791	92591
PNP	25.517	25.517	23.244	3.5036	0.003609	0.059225	-1.7927	4860
SBK1	-0.32268	0.32268	0.22618	-3.503	0.003613	0.059225	-1.7938	388228
CTDSPL	-2.7409	2.7409	7.2346	-3.5028	0.003614	0.059225	-1.7941	10217
LOC730234	-0.25892	0.25892	0.19971	-3.5024	0.003617	0.059225	-1.7948	730234
SPINK5	127.77	127.77	99.062	3.5007	0.003629	0.059358	-1.7981	11005
PIP5K1A	4.0635	4.0635	7.912	3.5003	0.003632	0.059358	-1.7987	8394
BMS1P4	-1.0708	1.0708	2.0924	-3.4966	0.003659	0.059453	-1.8056	729096

ARSJ	1.6223	1.6223	1.4119	3.4963	0.00366	0.059453	-1.8061	79642
MAPRE1	13.536	13.536	23.104	3.4963	0.003661	0.059453	-1.8063	22919
LOC541473	-0.9877	0.9877	1.0193	-3.496	0.003663	0.059453	-1.8067	541473
CDNF	-0.50878	0.50878	0.45375	-3.4952	0.003669	0.059453	-1.8082	441549
TMTC2	-0.58021	0.58021	1.4706	-3.4944	0.003674	0.059453	-1.8097	160335
PLA2G6	-1.5149	1.5149	1.882	-3.4942	0.003676	0.059453	-1.81	8398
GNG4	0.33526	0.33526	0.19326	3.4938	0.003679	0.059453	-1.8108	2786
TAOK1	6.4156	6.4156	11.168	3.4936	0.00368	0.059453	-1.8112	57551
NUTM2A	-1.0389	1.0389	1.209	-3.4935	0.003681	0.059453	-1.8113	728118
WDR41	1.9782	1.9782	4.0598	3.4934	0.003682	0.059453	-1.8116	55255
KRT19	-16.542	16.542	9.2445	-3.4932	0.003683	0.059453	-1.8119	3880
F3	12.985	12.985	10.918	3.4928	0.003686	0.059453	-1.8126	2152
HMGCS2	-1.2849	1.2849	0.69226	-3.4927	0.003687	0.059453	-1.8129	3158
GRIFIN	-0.30629	0.30629	0.17927	-3.4919	0.003693	0.05949	-1.8144	402635
KAT6B	-1.0826	1.0826	2.9101	-3.4912	0.003698	0.059508	-1.8156	23522
C1orf226	-0.49565	0.49565	0.57404	-3.4897	0.003709	0.0596	-1.8185	400793
LOC101928882	-0.43276	0.43276	0.27764	-3.4892	0.003712	0.0596	-1.8194	1.02E+08
UPP1	40.146	40.146	26.027	3.489	0.003714	0.0596	-1.8198	7378
CCDC191	-0.60414	0.60414	0.848	-3.4871	0.003728	0.059764	-1.8232	57577
TRIB1	6.0354	6.0354	8.3203	3.4863	0.003734	0.059804	-1.8248	10221
LIPG	9.2002	9.2002	5.799	3.4858	0.003737	0.059806	-1.8257	9388
ZNF790-AS1	-0.50178	0.50178	0.52485	-3.485	0.003743	0.059841	-1.8271	284408
LOC101928336	-0.29751	0.29751	0.34384	-3.4842	0.003749	0.059878	-1.8286	1.02E+08
NTM	1.1169	1.1169	0.91004	3.4836	0.003753	0.05989	-1.8297	50863
SRXN1	8.5625	8.5625	8.9947	3.4829	0.003759	0.059924	-1.8311	140809
ZMPSTE24	4.8303	4.8303	7.4749	3.4824	0.003762	0.059924	-1.832	10269

KYNU	4.2402	4.2402	3.1149	3.4803	0.003778	0.060112	-1.8358	8942
NSUN6	-0.76128	0.76128	1.6527	-3.4787	0.00379	0.06021	-1.8389	221078
TCIM	2.3507	2.3507	2.1033	3.4785	0.003791	0.06021	-1.8392	56892
LINC01311	-0.42297	0.42297	0.46892	-3.4771	0.003802	0.060327	-1.8419	1.01E+08
NEFL	1.2062	1.2062	1.6003	3.4756	0.003813	0.060421	-1.8446	4747
RHOD	41.326	41.326	37.454	3.4749	0.003818	0.060421	-1.8459	29984
NANOG	-0.54043	0.54043	0.40487	-3.4749	0.003819	0.060421	-1.846	79923
BCL9	-1.1748	1.1748	2.0738	-3.4742	0.003824	0.060445	-1.8473	607
TPMT	3.4181	3.4181	3.8879	3.4719	0.003841	0.06061	-1.8514	7172
SYT17	-0.78394	0.78394	0.4994	-3.4718	0.003841	0.06061	-1.8516	51760
NUTM2B	-1.168	1.168	1.2742	-3.4711	0.003847	0.060642	-1.853	729262
UBE2D4	-0.91902	0.91902	2.1661	-3.4703	0.003853	0.06068	-1.8544	51619
DSTN	54.15	54.15	76.854	3.469	0.003863	0.060781	-1.8569	11034
TRIM52-AS1	-0.63181	0.63181	1.0475	-3.4667	0.00388	0.060996	-1.8611	1.01E+08
NEU3	-0.62623	0.62623	1.3138	-3.466	0.003886	0.060996	-1.8625	10825
ING2	1.1294	1.1294	1.652	3.4654	0.003891	0.060996	-1.8636	3622
FN3K	-1.5354	1.5354	1.502	-3.4653	0.003891	0.060996	-1.8637	64122
CSRP2	44.827	44.827	43.176	3.4644	0.003898	0.061054	-1.8655	1466
MFGE8	15.695	15.695	24.655	3.4627	0.003911	0.061197	-1.8685	4240
ZNF551	-1.2085	1.2085	1.9495	-3.4593	0.003937	0.061551	-1.8749	90233
HEATR5A	1.3057	1.3057	3.4392	3.4588	0.003941	0.061551	-1.8757	25938
XRCC4	1.0324	1.0324	1.3069	3.4577	0.00395	0.061626	-1.8778	7518
CCDC18-AS1	-1.4621	1.4621	1.4935	-3.4568	0.003957	0.061679	-1.8794	1E+08
EXOSC7	-2.9546	2.9546	6.5174	-3.4557	0.003965	0.061758	-1.8815	23016
AMT	-1.3751	1.3751	1.6863	-3.4552	0.003969	0.061761	-1.8824	275
TSSK3	-1.4603	1.4603	1.5671	-3.4547	0.003973	0.061767	-1.8834	81629

TGM1	70.536	70.536	60.753	3.4515	0.003998	0.061946	-1.8893	7051
STUM	-0.70839	0.70839	0.49907	-3.4499	0.004011	0.061946	-1.8923	375057
GUSBP1	-1.2244	1.2244	1.5542	-3.4498	0.004012	0.061946	-1.8925	728411
MSI2	-0.81449	0.81449	1.5222	-3.4497	0.004012	0.061946	-1.8926	124540
C11orf45	-0.44707	0.44707	0.70586	-3.4493	0.004015	0.061946	-1.8933	219833
MAGEE1	-0.37867	0.37867	0.44182	-3.4493	0.004016	0.061946	-1.8934	57692
CUTALP	-0.88831	0.88831	1.2777	-3.4492	0.004016	0.061946	-1.8935	253039
CATSPERG	-0.25517	0.25517	0.18991	-3.4484	0.004023	0.061946	-1.895	57828
CLDN8	-0.5981	0.5981	0.32937	-3.4484	0.004023	0.061946	-1.8951	9073
ASIP	-0.31746	0.31746	0.23124	-3.4479	0.004027	0.061946	-1.896	434
LINC00612	-0.28511	0.28511	0.2138	-3.4477	0.004028	0.061946	-1.8964	253128
LOC100130373	-0.2531	0.2531	0.17978	-3.4476	0.004029	0.061946	-1.8965	1E+08
CMYA5	-0.31995	0.31995	0.37199	-3.4472	0.004032	0.061946	-1.8973	202333
INHBA	4.0135	4.0135	3.145	3.4456	0.004045	0.062078	-1.9002	3624
SPDYE5	-1.4027	1.4027	1.5843	-3.4426	0.004069	0.062392	-1.9058	442590
FAM126A	3.0367	3.0367	4.3625	3.4404	0.004086	0.062556	-1.9098	84668
MSANTD3-TMEFF1	0.42622	0.42622	0.36576	3.4404	0.004087	0.062556	-1.91	1.01E+08
LRP4	-7.212	7.212	5.8594	-3.4395	0.004094	0.062606	-1.9116	4038
EFL1	3.4705	3.4705	4.7061	3.4368	0.004116	0.062837	-1.9166	79631
HOXC9	-0.96984	0.96984	1.5062	-3.4367	0.004116	0.062837	-1.9167	3225
LOC100289511	-0.72707	0.72707	1.4153	-3.4357	0.004125	0.062854	-1.9187	1E+08
LINC01590	-0.32807	0.32807	0.30834	-3.4355	0.004126	0.062854	-1.919	63914
C9orf131	-1.3795	1.3795	1.5437	-3.4352	0.004129	0.062854	-1.9195	138724
KDM4A	-2.068	2.068	6.3016	-3.4347	0.004133	0.062858	-1.9205	9682
LUC7L2	-3.2049	3.2049	9.9569	-3.4338	0.00414	0.062919	-1.9222	51631
KRBA2	-0.63459	0.63459	1.1456	-3.4327	0.004149	0.062963	-1.9242	124751

HERC2P3	-3.4056	3.4056	2.9549	-3.4325	0.004151	0.062963	-1.9246	283755
SH3BGRL3	90.027	90.027	99.332	3.431	0.004163	0.063097	-1.9274	83442
NISCH	-5.7621	5.7621	8.5339	-3.4303	0.004169	0.063109	-1.9287	11188
NUS1	3.4921	3.4921	5.8187	3.4299	0.004172	0.063109	-1.9294	116150
LYPD3	263.72	263.72	264.29	3.4295	0.004175	0.063109	-1.9301	27076
PRKG2	-0.53338	0.53338	0.34986	-3.4281	0.004187	0.063213	-1.9328	5593
LMAN1	7.0932	7.0932	11.871	3.427	0.004196	0.063213	-1.9348	3998
BOLA3-AS1	-0.27704	0.27704	0.35364	-3.4269	0.004197	0.063213	-1.935	1.01E+08
PKD1P6-NPIPP1	-5.0051	5.0051	6.6181	-3.4267	0.004198	0.063213	-1.9352	1.05E+08
CYP2E1	-0.83327	0.83327	0.87974	-3.4261	0.004203	0.063213	-1.9364	1571
MTERF2	-0.76464	0.76464	1.3083	-3.4259	0.004205	0.063213	-1.9367	80298
LOC100130027	-0.77454	0.77454	0.86842	-3.4249	0.004213	0.06323	-1.9386	1E+08
QSOX1	49.911	49.911	49.7	3.4249	0.004213	0.06323	-1.9386	5768
SPOPL	1.7218	1.7218	3.1947	3.4243	0.004219	0.063253	-1.9398	339745
KRT6C	3251.6	3251.6	2040.8	3.4232	0.004228	0.063316	-1.9419	286887
USP2	11.361	11.361	8.9062	3.4229	0.00423	0.063316	-1.9424	9099
SPINK6	83.672	83.672	44.979	3.4222	0.004236	0.063344	-1.9437	404203
AZIN1-AS1	-0.62064	0.62064	0.59617	-3.4216	0.004241	0.063366	-1.9448	1.01E+08
SCAF8	-2.5252	2.5252	7.7269	-3.4202	0.004252	0.063391	-1.9473	22828
NLRC5	-3.4074	3.4074	4.856	-3.4202	0.004253	0.063391	-1.9474	84166
HS3ST4	-0.38786	0.38786	0.23259	-3.42	0.004254	0.063391	-1.9478	9951
ZNF862	-1.1295	1.1295	1.3184	-3.4196	0.004258	0.063391	-1.9485	643641
UNC5CL	-0.27395	0.27395	0.29051	-3.4186	0.004266	0.063456	-1.9503	222643
INMT	-1.4538	1.4538	1.6097	-3.4174	0.004277	0.063557	-1.9527	11185
PPIF	58.354	58.354	49.564	3.416	0.004288	0.063638	-1.9551	10105
HAUS7	-1.1588	1.1588	1.9549	-3.4158	0.00429	0.063638	-1.9555	55559

EGFR-AS1	-1.6913	1.6913	1.7592	-3.4152	0.004295	0.063659	-1.9567	1.01E+08
FHIT	-0.20843	0.20843	0.23563	-3.4137	0.004307	0.063788	-1.9594	2272
KLF15	-0.44317	0.44317	0.27516	-3.4126	0.004317	0.063872	-1.9615	28999
C12orf66	-0.56079	0.56079	1.2585	-3.4114	0.004327	0.063972	-1.9638	144577
PALM	-4.5954	4.5954	4.5259	-3.4106	0.004334	0.063988	-1.9651	5064
ARGFXP2	-0.64805	0.64805	0.60272	-3.41	0.004339	0.063988	-1.9663	503640
LONP2	-2.5476	2.5476	7.5662	-3.4097	0.004341	0.063988	-1.9668	83752
CORO2B	-0.84594	0.84594	0.64739	-3.4095	0.004344	0.063988	-1.9673	10391
ANKMY1	-0.8727	0.8727	1.1617	-3.4074	0.004361	0.064032	-1.9711	51281
FABP5	1269.1	1269.1	958.42	3.4073	0.004362	0.064032	-1.9714	2171
NAGS	1.7773	1.7773	1.4234	3.4065	0.004369	0.064032	-1.9728	162417
RAB22A	3.1902	3.1902	5.6824	3.4064	0.00437	0.064032	-1.973	57403
HERC2P7	-0.69198	0.69198	0.97736	-3.4058	0.004375	0.064032	-1.974	1E+08
PPP1CB	27.565	27.565	36.7	3.4058	0.004375	0.064032	-1.9742	5500
GIPR	1.0274	1.0274	1.0374	3.4057	0.004376	0.064032	-1.9742	2696
CLDN20	-0.4897	0.4897	0.61734	-3.4053	0.004379	0.064032	-1.975	49861
AGFG2	-2.1593	2.1593	2.5225	-3.4052	0.004381	0.064032	-1.9753	3268
ZNF710-AS1	-1.572	1.572	2.2645	-3.404	0.00439	0.064069	-1.9774	1.1E+08
ZNF577	-0.87428	0.87428	1.0188	-3.404	0.004391	0.064069	-1.9775	84765
NUP214	-1.8567	1.8567	5.4876	-3.4035	0.004395	0.064069	-1.9783	8021
GDAP1L1	-0.39352	0.39352	0.29536	-3.4019	0.004409	0.064155	-1.9814	78997
TAS2R3	-0.78613	0.78613	0.83549	-3.4017	0.004411	0.064155	-1.9817	50831
SERAC1	1.0675	1.0675	1.681	3.4016	0.004412	0.064155	-1.982	84947
PPARA	-0.86439	0.86439	2.3911	-3.4	0.004426	0.064259	-1.9849	5465
CABLES1	-0.86116	0.86116	1.4705	-3.3999	0.004427	0.064259	-1.9851	91768
IDI1	5.3088	5.3088	6.0698	3.3987	0.004437	0.064357	-1.9874	3422

STOX2	-0.52244	0.52244	1.1989	-3.3966	0.004455	0.064447	-1.9912	56977
OVOL1	12.748	12.748	13.504	3.3965	0.004456	0.064447	-1.9913	5017
PRR7-AS1	-0.47635	0.47635	0.51029	-3.3964	0.004457	0.064447	-1.9916	340037
SMARCC2	-4.1784	4.1784	11.404	-3.3962	0.004459	0.064447	-1.9919	6601
ZNF623	-0.56052	0.56052	3.1961	-3.3957	0.004463	0.064445	-1.9928	9831
IGF2BP2	3.478	3.478	2.9282	3.3951	0.004468	0.064473	-1.9939	10644
CAPS	-1.7586	1.7586	1.8476	-3.3943	0.004475	0.064522	-1.9954	828
TXN	200.5	200.5	136.75	3.3936	0.004482	0.064561	-1.9968	7295
ILF3-DT	-1.6178	1.6178	2.8592	-3.393	0.004487	0.064574	-1.9978	147727
PYGB	-13.252	13.252	17.577	-3.3926	0.00449	0.064574	-1.9986	5834
LOC100505915	-9.3241	9.3241	10.038	-3.3903	0.004511	0.064771	-2.0029	1.01E+08
ZNF599	-0.27158	0.27158	0.39536	-3.3902	0.004512	0.064771	-2.003	148103
LOC652276	-1.0748	1.0748	2.5013	-3.3889	0.004523	0.064876	-2.0054	652276
SMAD3	-3.0298	3.0298	4.6693	-3.3881	0.004531	0.06493	-2.007	4088
ZNF395	-8.3971	8.3971	9.9091	-3.3876	0.004535	0.06493	-2.0079	55893
WNT3A	-0.36985	0.36985	0.37284	-3.3863	0.004546	0.06493	-2.0103	89780
GNRHR2	-0.45848	0.45848	0.64487	-3.3863	0.004547	0.06493	-2.0103	114814
SACS	1.3264	1.3264	1.9688	3.3861	0.004548	0.06493	-2.0107	26278
TRPV6	-1.3637	1.3637	1.02	-3.3854	0.004555	0.06493	-2.012	55503
OR2A9P	-0.53819	0.53819	0.68454	-3.3851	0.004557	0.06493	-2.0125	441295
INTS6	1.4187	1.4187	3.106	3.3847	0.004561	0.06493	-2.0132	26512
RGMB	-2.3064	2.3064	3.8966	-3.3846	0.004562	0.06493	-2.0135	285704
LINC00265	-0.60956	0.60956	0.96407	-3.3842	0.004565	0.06493	-2.0141	349114
NBPF1	-2.4765	2.4765	3.9094	-3.3828	0.004578	0.064997	-2.0168	55672
CFD	-48.737	48.737	30.826	-3.3825	0.004581	0.064997	-2.0174	1675
PPM1H	-0.28368	0.28368	0.34836	-3.3824	0.004581	0.064997	-2.0175	57460

NYNRIN	-3.0787	3.0787	3.8447	-3.3804	0.004599	0.065197	-2.0211	57523
UGCG	13.505	13.505	15.8	3.3777	0.004624	0.065466	-2.0262	7357
SYTL3	-0.46749	0.46749	0.9831	-3.3775	0.004626	0.065466	-2.0266	94120
THOC7-AS1	-0.30511	0.30511	0.2381	-3.3758	0.004642	0.06563	-2.0297	1.01E+08
TSPOAP1	-0.70332	0.70332	0.61632	-3.3734	0.004664	0.06589	-2.0342	9256
ABCG1	6.6209	6.6209	7.7942	3.3716	0.00468	0.066026	-2.0375	9619
WASH5P	-9.0727	9.0727	12.325	-3.3709	0.004687	0.066026	-2.0389	375690
DDX11L2	-0.53019	0.53019	0.66184	-3.3707	0.004688	0.066026	-2.0391	84771
KAT8	-2.208	2.208	5.3799	-3.3706	0.004689	0.066026	-2.0393	84148
TUBB4A	-0.37147	0.37147	0.21999	-3.37	0.004695	0.066056	-2.0405	10382
MPZL2	33.524	33.524	37.611	3.3678	0.004716	0.066237	-2.0446	10205
SCGB2B2	-0.31758	0.31758	0.25009	-3.3677	0.004716	0.066237	-2.0447	284402
ZNF747	-1.0849	1.0849	1.8876	-3.3671	0.004722	0.066263	-2.0458	65988
RNF222	5.9943	5.9943	4.9633	3.3659	0.004733	0.066327	-2.0481	643904
FBLIM1	17.23	17.23	17.901	3.3654	0.004738	0.066327	-2.0491	54751
AUH	-0.89609	0.89609	2.3915	-3.3651	0.004741	0.066327	-2.0496	549
EPN2-IT1	-1.5706	1.5706	1.6215	-3.3648	0.004744	0.066327	-2.0502	1.01E+08
PTPRU	-1.8055	1.8055	2.714	-3.3645	0.004746	0.066327	-2.0506	10076
ERAP1	-2.7627	2.7627	4.3535	-3.362	0.00477	0.066604	-2.0553	51752
TPM4	104.5	104.5	130.55	3.3611	0.004778	0.066672	-2.0571	7171
APOD	-50.231	50.231	30.132	-3.3606	0.004783	0.066676	-2.0579	347
FAM53B-AS1	-0.44281	0.44281	0.48309	-3.3601	0.004788	0.066691	-2.0589	1.02E+08
IL1B	14.712	14.712	8.0309	3.3596	0.004792	0.066694	-2.0597	3553
SGMS2	2.2576	2.2576	2.984	3.3583	0.004804	0.066811	-2.0621	166929
VIT	-1.4893	1.4893	0.95812	-3.3574	0.004813	0.066875	-2.0638	5212
LINC00899	-0.60669	0.60669	0.56942	-3.3564	0.004823	0.066887	-2.0658	1E+08

ERN1	-0.67887	0.67887	2.2846	-3.356	0.004826	0.066887	-2.0664	2081
BCAN	-0.77221	0.77221	0.49046	-3.3559	0.004827	0.066887	-2.0667	63827
TMEM254-AS1	-0.39967	0.39967	0.34718	-3.3556	0.004831	0.066887	-2.0673	219347
OVGP1	-0.72715	0.72715	0.79014	-3.3545	0.00484	0.066887	-2.0692	5016
C2orf72	-0.30969	0.30969	0.21222	-3.3544	0.004842	0.066887	-2.0694	257407
CREB3L4	-1.0317	1.0317	1.3972	-3.3538	0.004847	0.066887	-2.0704	148327
CKMT2-AS1	-0.38504	0.38504	0.77029	-3.3536	0.004849	0.066887	-2.0708	1E+08
PMS2P9	-5.6112	5.6112	6.9001	-3.3536	0.004849	0.066887	-2.0709	1E+08
ING5	-1.0065	1.0065	1.6287	-3.353	0.004855	0.066908	-2.072	84289
BEND3P3	-0.88274	0.88274	1.0818	-3.3516	0.004868	0.067025	-2.0745	650623
TMEM132C	-0.2695	0.2695	0.16293	-3.3509	0.004875	0.067025	-2.0759	92293
JUN	19.921	19.921	28.309	3.3509	0.004875	0.067025	-2.0759	3725
AFF1	-3.389	3.389	9.7127	-3.3503	0.004881	0.06703	-2.077	4299
ARID1B	-3.0405	3.0405	7.9093	-3.3497	0.004887	0.06703	-2.0782	57492
FOXO3B	-0.25351	0.25351	0.4522	-3.3496	0.004887	0.06703	-2.0783	2310
HLF	-3.8104	3.8104	2.7974	-3.3483	0.0049	0.067108	-2.0807	3131
RIMS3	7.9757	7.9757	7.5677	3.3482	0.004901	0.067108	-2.0809	9783
XYLT2	-2.3317	2.3317	3.6641	-3.3454	0.004928	0.067374	-2.0861	64132
LOC101928728	-0.28393	0.28393	0.29858	-3.3454	0.004928	0.067374	-2.0862	1.02E+08
EFR3B	1.4386	1.4386	1.317	3.344	0.004942	0.067439	-2.0887	22979
LINC01011	-0.28668	0.28668	0.40598	-3.344	0.004942	0.067439	-2.0887	401232
STRN3	2.6362	2.6362	6.2145	3.3436	0.004945	0.067439	-2.0893	29966
FEM1C	2.1581	2.1581	4.171	3.3421	0.004961	0.067595	-2.0923	56929
FBXO21	-1.6062	1.6062	5.0103	-3.3404	0.004977	0.067738	-2.0954	23014
TFAP4	-1.8009	1.8009	2.6292	-3.3402	0.004979	0.067738	-2.0958	7023
PCDHGA6	-0.41965	0.41965	0.76363	-3.3381	0.004999	0.067872	-2.0995	56109

DLSTP1	-0.539	0.539	0.65597	-3.3381	0.005	0.067872	-2.0997	1744
TBC1D22A-AS1	-0.94983	0.94983	1.1879	-3.3379	0.005001	0.067872	-2.0999	642757
TMEM116	-1.4624	1.4624	1.2365	-3.3369	0.005011	0.067952	-2.1018	89894
GARNL3	-0.54494	0.54494	1.1406	-3.336	0.00502	0.067996	-2.1035	84253
LINC02035	-0.75629	0.75629	1.7742	-3.3358	0.005022	0.067996	-2.1039	1E+08
ZNF818P	-0.5296	0.5296	0.76027	-3.3354	0.005027	0.068001	-2.1047	390963
RP2	1.6664	1.6664	2.2531	3.3336	0.005044	0.068186	-2.108	6102
KCTD21	1.9596	1.9596	2.5433	3.3324	0.005056	0.068287	-2.1102	283219
DRD4	-0.34466	0.34466	0.25833	-3.3312	0.005068	0.06832	-2.1124	1815
CILP	-6.8915	6.8915	4.0539	-3.3312	0.005069	0.06832	-2.1125	8483
HCG26	-0.31035	0.31035	0.22872	-3.3307	0.005073	0.06832	-2.1133	352961
CKMT2	-0.5255	0.5255	0.45086	-3.3306	0.005075	0.06832	-2.1136	1160
IGFALS	-0.3523	0.3523	0.24894	-3.3295	0.005085	0.06841	-2.1156	3483
FAAH	-1.2537	1.2537	1.7535	-3.3285	0.005095	0.068486	-2.1174	2166
ITIH5	-1.5471	1.5471	2.0543	-3.3264	0.005117	0.06872	-2.1214	80760
MAP2K4	3.7458	3.7458	6.5634	3.3247	0.005134	0.068897	-2.1245	6416
PARP16	-0.9601	0.9601	1.8121	-3.3238	0.005142	0.068954	-2.126	54956
LOC100506730	-0.63184	0.63184	0.9562	-3.323	0.005151	0.069015	-2.1276	1.01E+08
CNTN1	2.827	2.827	2.9514	3.3207	0.005174	0.069271	-2.1318	1272
AGAP4	-0.95519	0.95519	1.7139	-3.3164	0.005218	0.069371	-2.1397	119016
STAG3L3	-2.1068	2.1068	2.6945	-3.3163	0.005219	0.069371	-2.14	442578
UCHL3	12.529	12.529	14.38	3.316	0.005222	0.069371	-2.1405	7347
PTPN14	-2.5998	2.5998	7.5171	-3.3154	0.005229	0.069371	-2.1418	5784
OXSR1	6.9011	6.9011	9.3601	3.3153	0.005229	0.069371	-2.1418	9943
EXTL1	-0.27094	0.27094	0.15413	-3.3152	0.005231	0.069371	-2.1421	2134
CFAP70	-0.42171	0.42171	0.42845	-3.3152	0.005231	0.069371	-2.1421	118491

CHDH	-0.62079	0.62079	0.44676	-3.3151	0.005232	0.069371	-2.1422	55349
SEC24A	1.8331	1.8331	3.8088	3.3151	0.005232	0.069371	-2.1422	10802
TTF2	-0.85662	0.85662	2.2359	-3.3148	0.005235	0.069371	-2.1428	8458
UBL7-AS1	-0.79215	0.79215	1.4066	-3.3147	0.005235	0.069371	-2.1429	440288
IL18BP	-1.2032	1.2032	1.7946	-3.3143	0.00524	0.069371	-2.1437	10068
ATOH8	-0.57716	0.57716	0.57088	-3.3142	0.005241	0.069371	-2.1439	84913
CCNE1	1.0175	1.0175	1.0458	3.3141	0.005242	0.069371	-2.1441	898
TAS2R50	-0.2909	0.2909	0.2456	-3.3137	0.005246	0.069371	-2.1448	259296
TBK1	2.225	2.225	3.9795	3.3136	0.005247	0.069371	-2.145	29110
CDHR5	-0.57806	0.57806	0.46178	-3.3123	0.00526	0.069489	-2.1474	53841
ABCA8	-1.9197	1.9197	1.6487	-3.3119	0.005265	0.069493	-2.1482	10351
LOC100506606	-0.48877	0.48877	0.48225	-3.3092	0.005293	0.069733	-2.1532	1.01E+08
DDB2	-3.8354	3.8354	7.3867	-3.3092	0.005293	0.069733	-2.1533	1643
STX11	1.6682	1.6682	2.1939	3.309	0.005295	0.069733	-2.1536	8676
AMIGO3	-0.85919	0.85919	1.4785	-3.3071	0.005315	0.069826	-2.157	386724
FAM221A	-0.38248	0.38248	0.45327	-3.307	0.005316	0.069826	-2.1573	340277
MINDY2	0.78687	0.78687	2.4198	3.3068	0.005317	0.069826	-2.1575	54629
LIPH	-0.55764	0.55764	0.45951	-3.3067	0.005319	0.069826	-2.1578	200879
C12orf29	3.581	3.581	4.6783	3.3058	0.005329	0.069901	-2.1595	91298
RABGEF1	4.7016	4.7016	7.6453	3.3031	0.005357	0.07018	-2.1645	27342
TP73-AS1	-1.0177	1.0177	1.4516	-3.3027	0.005361	0.07018	-2.1652	57212
RNPC3	-3.3067	3.3067	4.2275	-3.3026	0.005362	0.07018	-2.1655	55599
MROH7-TTC4	-0.34721	0.34721	0.23768	-3.3003	0.005386	0.07037	-2.1696	1.01E+08
MRE11	-1.2518	1.2518	2.4194	-3.3002	0.005387	0.07037	-2.1698	4361
EGFR	-9.5317	9.5317	21.017	-3.2999	0.00539	0.07037	-2.1704	1956
LOC389765	-0.4956	0.4956	0.67935	-3.2996	0.005394	0.07037	-2.1709	389765

LOC554249	-0.60951	0.60951	0.71921	-3.2978	0.005413	0.070566	-2.1742	554249
RELT	0.93734	0.93734	1.9342	3.2972	0.005419	0.070576	-2.1754	84957
LENG8-AS1	-0.95983	0.95983	1.3198	-3.2966	0.005426	0.070576	-2.1765	1.04E+08
MIPEP	-1.6851	1.6851	4.3613	-3.2966	0.005426	0.070576	-2.1765	4285
LOC100130207	-0.29966	0.29966	0.23549	-3.2953	0.00544	0.070705	-2.179	1E+08
MARF1	-2.0964	2.0964	6.7402	-3.293	0.005464	0.070951	-2.1831	9665
BTN3A2	-1.8763	1.8763	2.7226	-3.2925	0.00547	0.070951	-2.1841	11118
IGFBP6	18.009	18.009	15.165	3.2923	0.005472	0.070951	-2.1844	3489
PBX4	-0.30778	0.30778	0.3534	-3.2916	0.00548	0.071003	-2.1858	80714
LOC101929718	-0.41386	0.41386	0.6563	-3.2906	0.005491	0.071088	-2.1877	1.02E+08
TRAF1	-0.66547	0.66547	1.1972	-3.2896	0.005502	0.071135	-2.1895	7185
RALGAPA2	-3.0509	3.0509	6.1175	-3.2895	0.005503	0.071135	-2.1897	57186
KRT16	5483.8	5483.8	4323.2	3.2875	0.005524	0.071324	-2.1933	3868
AGAP5	-0.69356	0.69356	1.7661	-3.2873	0.005526	0.071324	-2.1937	729092
B4GALNT3	6.4601	6.4601	7.7609	3.2867	0.005532	0.071335	-2.1948	283358
FAM83E	-0.3431	0.3431	0.30704	-3.2865	0.005535	0.071335	-2.1952	54854
TRPC6	0.89888	0.89888	1.1143	3.2838	0.005564	0.071621	-2.2001	7225
KREMEN2	-0.70325	0.70325	0.66223	-3.2837	0.005566	0.071621	-2.2004	79412
ZSCAN16	-0.35635	0.35635	0.75119	-3.2823	0.005581	0.071701	-2.203	80345
CENPV	-0.38757	0.38757	0.56985	-3.2819	0.005585	0.071701	-2.2037	201161
NAA20	15.463	15.463	19.302	3.2812	0.005593	0.071701	-2.205	51126
CCDC113	-0.56663	0.56663	0.741	-3.2809	0.005597	0.071701	-2.2056	29070
MAN2A1	4.2373	4.2373	7.0415	3.2804	0.005602	0.071701	-2.2065	4124
TMEM45B	15.094	15.094	13.513	3.2803	0.005603	0.071701	-2.2067	120224
GRAMD2A	-0.64382	0.64382	0.76412	-3.2798	0.005608	0.071701	-2.2076	196996
CLDN10-AS1	-0.30911	0.30911	0.16486	-3.2796	0.005611	0.071701	-2.208	1.01E+08

ZNF557	-0.43154	0.43154	1.306	-3.2794	0.005613	0.071701	-2.2084	79230
ZNF512B	-2.8994	2.8994	4.3549	-3.2793	0.005615	0.071701	-2.2086	57473
MATN1-AS1	-0.3143	0.3143	0.36311	-3.2778	0.005631	0.071763	-2.2114	1E+08
FOXA1	-0.60141	0.60141	0.34368	-3.2777	0.005632	0.071763	-2.2115	3169
CCNL1	3.1945	3.1945	9.4323	3.2776	0.005633	0.071763	-2.2116	57018
CAP2	0.58834	0.58834	1.1551	3.2773	0.005637	0.071763	-2.2123	10486
BPGM	4.2008	4.2008	3.9649	3.2769	0.005641	0.071763	-2.213	669
GRPEL2	5.5678	5.5678	4.8765	3.276	0.005651	0.071843	-2.2147	134266
LINC01214	3.4918	3.4918	2.2011	3.2737	0.005677	0.072112	-2.2189	1.02E+08
HECTD4	-2.1406	2.1406	5.0039	-3.2731	0.005683	0.072137	-2.22	283450
HPX	-0.24349	0.24349	0.19713	-3.2724	0.005691	0.072186	-2.2213	3263
ALG1L9P	-0.22217	0.22217	0.21428	-3.2717	0.005699	0.072238	-2.2227	285407
RABIF	2.5013	2.5013	3.4291	3.2712	0.005705	0.07225	-2.2235	5877
ARF4	18.502	18.502	24.324	3.2707	0.00571	0.072261	-2.2244	378
SMG1P3	-16.207	16.207	20.874	-3.2681	0.00574	0.072587	-2.2293	1E+08
SLC14A1	-0.77883	0.77883	0.45757	-3.2676	0.005745	0.072587	-2.2301	6563
TTC3P1	-0.46154	0.46154	0.60828	-3.2673	0.005749	0.072587	-2.2308	286495
FAM210A	0.88804	0.88804	1.4496	3.2669	0.005753	0.072587	-2.2314	125228
CREBBP	-2.9542	2.9542	8.4389	-3.2661	0.005762	0.072629	-2.233	1387
ENHO	-0.4681	0.4681	0.27517	-3.2659	0.005765	0.072629	-2.2334	375704
GHR	-0.46823	0.46823	0.6302	-3.2646	0.005779	0.072733	-2.2357	2690
LINC01152	-1.776	1.776	0.97629	-3.2644	0.005781	0.072733	-2.2361	1.03E+08
RC3H2	1.6671	1.6671	4.4787	3.2634	0.005792	0.072756	-2.2379	54542
KLK10	47.526	47.526	36.238	3.2633	0.005794	0.072756	-2.2381	5655
TNNT3	-0.41541	0.41541	0.35899	-3.2631	0.005796	0.072756	-2.2385	7140
LINC01881	-0.56375	0.56375	1.164	-3.2613	0.005817	0.072873	-2.2418	728323

USP36	-1.8485	1.8485	5.0012	-3.2613	0.005817	0.072873	-2.2419	57602
CATSPER2P1	-0.67029	0.67029	0.78159	-3.2612	0.005818	0.072873	-2.2421	440278
EFCAB6	-0.21902	0.21902	0.20075	-3.2604	0.005828	0.072932	-2.2436	64800
C3orf35	-0.50678	0.50678	0.46165	-3.2587	0.005847	0.073041	-2.2467	339883
ISCA1	3.8782	3.8782	6.8958	3.2587	0.005847	0.073041	-2.2467	81689
MYH14	-8.6161	8.6161	5.9106	-3.2583	0.005852	0.073041	-2.2475	79784
ADM	27.659	27.659	25.835	3.2578	0.005857	0.073041	-2.2484	133
DMD	-0.76232	0.76232	0.92598	-3.2576	0.00586	0.073041	-2.2487	1756
PLCB4	-1.0854	1.0854	0.88326	-3.2574	0.005862	0.073041	-2.2492	5332
AGAP1	-1.0084	1.0084	2.4523	-3.2567	0.00587	0.073041	-2.2504	116987
TNFAIP8L3	5.4148	5.4148	7.3062	3.2562	0.005875	0.073041	-2.2512	388121
WFIKKN1	-0.29858	0.29858	0.31963	-3.2557	0.005882	0.073041	-2.2523	117166
SYP	-0.28889	0.28889	0.30069	-3.2554	0.005885	0.073041	-2.2528	6855
S100A14	176.36	176.36	194.4	3.2546	0.005895	0.073041	-2.2543	57402
LOC148696	-1.2896	1.2896	1.297	-3.2544	0.005896	0.073041	-2.2546	148696
MST1	-1.0246	1.0246	1.1735	-3.2543	0.005898	0.073041	-2.2548	4485
DENND1B	0.91275	0.91275	1.376	3.2543	0.005898	0.073041	-2.2549	163486
FCGBP	-10.157	10.157	6.4859	-3.254	0.005901	0.073041	-2.2553	8857
ABCC5	-2.1507	2.1507	3.1304	-3.2528	0.005916	0.073059	-2.2577	10057
HSF4	-2.7915	2.7915	2.5133	-3.2526	0.005917	0.073059	-2.2579	3299
SRCIN1	-0.50184	0.50184	0.42771	-3.2526	0.005918	0.073059	-2.258	80725
DIDO1	-1.611	1.611	4.6478	-3.2524	0.00592	0.073059	-2.2583	11083
ZNF433	-0.51845	0.51845	1.1001	-3.2518	0.005928	0.073069	-2.2595	163059
PAXIP1-AS1	-1.1057	1.1057	1.5653	-3.2516	0.005929	0.073069	-2.2598	202781
CCDC24	-1.1057	1.1057	1.2123	-3.2495	0.005954	0.073322	-2.2638	149473
KANSL3	-1.3643	1.3643	4.2956	-3.2487	0.005964	0.073384	-2.2652	55683

LRP6	-1.4376	1.4376	3.2148	-3.2481	0.005971	0.073414	-2.2664	4040
AREG	6.1548	6.1548	3.5038	3.2477	0.005975	0.073414	-2.267	374
ACBD4	-0.76786	0.76786	0.92449	-3.2473	0.00598	0.073429	-2.2679	79777
YPEL5	7.4708	7.4708	12.923	3.2456	0.006	0.073611	-2.2709	51646
CDK19	1.2073	1.2073	2.714	3.2448	0.00601	0.073637	-2.2725	23097
GNAT2	0.44463	0.44463	0.60994	3.2447	0.00601	0.073637	-2.2726	2780
SMOX	9.362	9.362	7.9155	3.2444	0.006015	0.073637	-2.2732	54498
ERVK13-1	-1.8395	1.8395	2.1462	-3.2439	0.00602	0.073654	-2.2741	1.01E+08
LOC100288069	-4.9983	4.9983	9.8109	-3.2434	0.006026	0.073672	-2.275	1E+08
OR2A20P	-0.39903	0.39903	0.51347	-3.2412	0.006052	0.073912	-2.279	401428
TNKS	-1.2152	1.2152	3.9704	-3.241	0.006055	0.073912	-2.2794	8658
SLPI	687.7	687.7	447.17	3.2388	0.00608	0.074095	-2.2834	6590
DPH3	1.6353	1.6353	2.0217	3.2383	0.006086	0.074095	-2.2844	285381
DNAJB6	33.321	33.321	39.057	3.2375	0.006096	0.074095	-2.2858	10049
HSPB3	-0.40723	0.40723	0.34514	-3.2373	0.006098	0.074095	-2.2862	8988
KAT2B	4.5789	4.5789	6.0831	3.2373	0.006099	0.074095	-2.2863	8850
LOC645513	-1.3482	1.3482	2.4423	-3.2371	0.006101	0.074095	-2.2866	645513
SLC27A1	-2.2013	2.2013	2.719	-3.2368	0.006105	0.074095	-2.2872	376497
FAM180B	-1.2878	1.2878	0.72393	-3.2368	0.006105	0.074095	-2.2872	399888
GTF2IP23	-0.63778	0.63778	0.71509	-3.2349	0.006128	0.074205	-2.2907	1.02E+08
SOCS7	-0.99557	0.99557	2.6406	-3.2347	0.00613	0.074205	-2.2911	30837
LOC100507557	-0.29177	0.29177	0.32494	-3.2346	0.006131	0.074205	-2.2912	1.01E+08
PDXDC2P-NPIPB14P	-3.4168	3.4168	4.5388	-3.2346	0.006131	0.074205	-2.2913	283970
GGT7	-1.0686	1.0686	1.5169	-3.2333	0.006148	0.074347	-2.2937	2686
MALT1	1.9484	1.9484	3.9012	3.2316	0.006168	0.074536	-2.2968	10892
LINC01473	-0.95516	0.95516	0.68231	-3.2308	0.006178	0.074609	-2.2984	1.02E+08

RAD51B	-0.35967	0.35967	0.44148	-3.2285	0.006206	0.074861	-2.3026	5890
HOXC11	-1.1324	1.1324	2.0083	-3.2283	0.006208	0.074861	-2.3029	3227
POLA1	-0.82039	0.82039	2.18	-3.2279	0.006213	0.074875	-2.3037	5422
TMTC4	-0.6099	0.6099	1.3938	-3.2246	0.006253	0.075304	-2.3097	84899
ACADSB	-1.7876	1.7876	2.0577	-3.2235	0.006267	0.075306	-2.3118	36
FLVCR1	-0.30903	0.30903	0.70859	-3.2235	0.006268	0.075306	-2.3119	28982
LOC100287042	-0.32404	0.32404	0.3668	-3.2232	0.006271	0.075306	-2.3123	1E+08
STAG3L5P	-2.2885	2.2885	2.2352	-3.2228	0.006276	0.075306	-2.3131	1.02E+08
GIGYF1	-4.7917	4.7917	6.7406	-3.2228	0.006276	0.075306	-2.3131	64599
BCL7A	-1.0771	1.0771	2.4826	-3.2214	0.006293	0.075424	-2.3156	605
CADM1	-1.2474	1.2474	1.5908	-3.221	0.006299	0.075424	-2.3165	23705
FLJ45513	-0.63268	0.63268	0.60161	-3.2209	0.006299	0.075424	-2.3166	729220
POU6F1	-0.71104	0.71104	0.97761	-3.2198	0.006313	0.075508	-2.3186	5463
CBFA2T3	-0.48154	0.48154	0.73645	-3.2195	0.006316	0.075508	-2.3192	863
TMEM43	-4.9204	4.9204	20.01	-3.2193	0.00632	0.075508	-2.3196	79188
DCUN1D3	4.5579	4.5579	5.713	3.2182	0.006334	0.075579	-2.3217	123879
MBNL2	3.6512	3.6512	10.396	3.2181	0.006334	0.075579	-2.3218	10150
BICRAL	-1.2478	1.2478	3.1607	-3.2166	0.006353	0.075709	-2.3245	23506
KRT6B	5299.2	5299.2	3278.8	3.2165	0.006354	0.075709	-2.3248	3854
PKD1P1	-15.039	15.039	18.611	-3.2153	0.006369	0.075783	-2.3269	339044
GUSBP11	-1.9801	1.9801	2.765	-3.2152	0.006371	0.075783	-2.3272	91316
KIFAP3	1.9885	1.9885	4.2039	3.2149	0.006374	0.075783	-2.3277	22920
LY6G5B	-0.4561	0.4561	0.59506	-3.2138	0.006388	0.07589	-2.3296	58496
LURAP1	-0.34591	0.34591	0.60101	-3.2129	0.006399	0.075975	-2.3313	541468
AMMECR1	2.6089	2.6089	4.0741	3.2111	0.006423	0.076166	-2.3348	9949
ST7L	-1.1501	1.1501	1.8563	-3.2106	0.006429	0.076166	-2.3357	54879

CFAP44	-0.52971	0.52971	0.71461	-3.2106	0.006429	0.076166	-2.3357	55779
RAB1A	11.97	11.97	17.023	3.2095	0.006442	0.076268	-2.3376	5861
ZNF236	-0.52643	0.52643	2.0603	-3.2091	0.006447	0.076279	-2.3384	7776
IRX3	-4.1117	4.1117	6.4069	-3.2076	0.006467	0.076413	-2.3412	79191
ZNF711	-1.1422	1.1422	0.97588	-3.207	0.006474	0.076413	-2.3423	7552
NPIP5	-12.73	12.73	14.295	-3.2069	0.006476	0.076413	-2.3425	1E+08
CELF6	-0.39945	0.39945	0.40814	-3.2068	0.006477	0.076413	-2.3427	60677
SPIDR	-1.4255	1.4255	4.6017	-3.2064	0.006482	0.076416	-2.3433	23514
C3	-13.957	13.957	10.104	-3.2048	0.006503	0.076614	-2.3464	718
PRR34	-1.4719	1.4719	1.4103	-3.2043	0.006509	0.076627	-2.3472	55267
CADM3-AS1	-0.42048	0.42048	0.38005	-3.204	0.006513	0.076627	-2.3479	1E+08
RAB26	-0.69798	0.69798	0.79326	-3.2028	0.006528	0.076698	-2.35	25837
ATP11B	6.7342	6.7342	11.831	3.2028	0.006529	0.076698	-2.3501	23200
PAN3	-1.7463	1.7463	5.1018	-3.2024	0.006533	0.076698	-2.3507	255967
GIGYF2	-1.3213	1.3213	5.1044	-3.2019	0.00654	0.07673	-2.3518	26058
MRTFB	-2.6467	2.6467	6.2077	-3.2007	0.006555	0.076814	-2.3539	57496
SNX3	16.263	16.263	26.699	3.2006	0.006556	0.076814	-2.3541	8724
LOC100996419	-0.23106	0.23106	0.24939	-3.2001	0.006563	0.076845	-2.3551	1.01E+08
SMG1P5	-4.5278	4.5278	7.5558	-3.1973	0.0066	0.077213	-2.3602	595101
TCHP	-1.4181	1.4181	3.3545	-3.1962	0.006614	0.077274	-2.3623	84260
FGFBP3	-0.30403	0.30403	0.26562	-3.1962	0.006614	0.077274	-2.3623	143282
ZNF417	-0.81395	0.81395	2.0091	-3.195	0.006629	0.077274	-2.3644	147687
PKD1L2	-0.23746	0.23746	0.1397	-3.195	0.006629	0.077274	-2.3645	114780
AZI2	2.8688	2.8688	4.948	3.1943	0.006638	0.077274	-2.3657	64343
UBLCP1	2.9712	2.9712	4.93	3.1943	0.006639	0.077274	-2.3658	134510
ZNF740	-1.6917	1.6917	3.9582	-3.1935	0.006648	0.077274	-2.3672	283337

SYT15	-1.0785	1.0785	1.6536	-3.1931	0.006654	0.077274	-2.368	83849
TNFAIP2	-6.8682	6.8682	10.302	-3.193	0.006655	0.077274	-2.3681	7127
SLC20A1	4.7021	4.7021	5.8813	3.1922	0.006665	0.077274	-2.3696	6574
CABIN1	-2.4171	2.4171	5.3577	-3.192	0.006669	0.077274	-2.3701	23523
CNFN	528.76	528.76	432.46	3.1919	0.00667	0.077274	-2.3701	84518
GBP6	3.2379	3.2379	3.2661	3.1919	0.00667	0.077274	-2.3702	163351
SLC7A5P2	-3.5385	3.5385	4.9839	-3.1918	0.006672	0.077274	-2.3705	387254
MRPL23-AS1	-0.3896	0.3896	0.22453	-3.1916	0.006673	0.077274	-2.3707	1E+08
DUOXA1	16.096	16.096	21.157	3.1906	0.006687	0.07738	-2.3726	90527
ARHGAP30	-1.5096	1.5096	4.0602	-3.188	0.006721	0.077664	-2.3773	257106
STIMATE	-1.2398	1.2398	3.7757	-3.188	0.006721	0.077664	-2.3773	375346
MECP2	-1.5917	1.5917	3.49	-3.1858	0.006751	0.077871	-2.3815	4204
GPRIN2	-3.1119	3.1119	3.0014	-3.1858	0.006751	0.077871	-2.3815	9721
LINC02381	-0.9884	0.9884	1.3912	-3.1854	0.006755	0.077871	-2.3821	400043
NEURL1	-0.40371	0.40371	0.61837	-3.1852	0.006759	0.077871	-2.3826	9148
KIAA1614-AS1	-0.53355	0.53355	0.90165	-3.1847	0.006765	0.077871	-2.3835	1.03E+08
MRPS31P5	-0.57539	0.57539	0.73573	-3.1846	0.006766	0.077871	-2.3837	1.01E+08
TREM1	1.8662	1.8662	1.1234	3.1825	0.006795	0.078082	-2.3876	54210
UBE2V2	4.666	4.666	6.7498	3.1822	0.006799	0.078082	-2.3881	7336
IQCN	-1.1267	1.1267	0.98549	-3.1819	0.006803	0.078082	-2.3887	80726
GALNT3	4.1192	4.1192	4.2945	3.1816	0.006807	0.078082	-2.3893	2591
HIRIP3	-0.95467	0.95467	1.4924	-3.1815	0.006808	0.078082	-2.3894	8479
GAPDHS	-0.30857	0.30857	0.34442	-3.1804	0.006823	0.07811	-2.3915	26330
LAMB4	-6.5215	6.5215	4.7315	-3.1796	0.006834	0.07811	-2.3929	22798
WDR66	1.2051	1.2051	1.5222	3.1792	0.006839	0.07811	-2.3937	144406
TVP23B	2.611	2.611	4.2884	3.1791	0.006841	0.07811	-2.3939	51030

ZNF652	-3.327	3.327	4.8616	-3.179	0.006842	0.07811	-2.394	22834
ZNF736	-0.62664	0.62664	1.2817	-3.1789	0.006843	0.07811	-2.3942	728927
KMT2E-AS1	-1.0548	1.0548	2.2846	-3.1783	0.006852	0.07811	-2.3954	1E+08
EML4	-2.579	2.579	7.2494	-3.1781	0.006854	0.07811	-2.3957	27436
RIMBP2	-0.33068	0.33068	0.45932	-3.178	0.006856	0.07811	-2.3959	23504
SCYL2	2.9472	2.9472	5.1633	3.1779	0.006857	0.07811	-2.3961	55681
LOC728613	-0.46926	0.46926	0.63746	-3.177	0.006869	0.078202	-2.3978	728613
EPHB1	-0.51436	0.51436	0.52018	-3.1759	0.006884	0.078317	-2.3998	2047
MN1	1.0462	1.0462	1.6341	3.1741	0.006908	0.078502	-2.4031	4330
AKAP7	-0.3535	0.3535	0.45901	-3.174	0.00691	0.078502	-2.4033	9465
LINC01376	-0.304	0.304	0.25335	-3.1726	0.006929	0.078623	-2.4059	400945
SMAP1	3.6598	3.6598	6.2548	3.1725	0.00693	0.078623	-2.406	60682
NMNAT3	-1.2432	1.2432	1.4905	-3.1715	0.006943	0.078698	-2.4078	349565
ITPRID1	-0.33807	0.33807	0.18599	-3.1714	0.006945	0.078698	-2.4081	223075
CENPE	0.77885	0.77885	0.70271	3.1693	0.006973	0.078848	-2.4119	1062
SLC19A2	3.3516	3.3516	4.4111	3.169	0.006978	0.078848	-2.4126	10560
LOC101927516	-0.94558	0.94558	1.0708	-3.1689	0.00698	0.078848	-2.4127	1.02E+08
ODC1	57.024	57.024	32.128	3.168	0.006992	0.078848	-2.4143	4953
SEMA3E	-0.27189	0.27189	0.26101	-3.1679	0.006993	0.078848	-2.4145	9723
BMP2	3.9525	3.9525	4.6367	3.1679	0.006993	0.078848	-2.4145	650
CAPZA2	14.446	14.446	16.146	3.1677	0.006996	0.078848	-2.4149	830
CXCR5	-0.38164	0.38164	0.36902	-3.1676	0.006997	0.078848	-2.4151	643
BTBD18	-1.0008	1.0008	0.95366	-3.1673	0.007001	0.078848	-2.4155	643376
ATP2A1	-0.23386	0.23386	0.21707	-3.167	0.007005	0.078848	-2.4162	487
PGAP3	-2.9363	2.9363	4.74	-3.1661	0.007017	0.078907	-2.4178	93210
LOC100506124	-0.90688	0.90688	0.8118	-3.166	0.00702	0.078907	-2.4181	1.01E+08

NETO2	2.5984	2.5984	2.7689	3.1651	0.007031	0.078913	-2.4196	81831
SLC2A1	57.935	57.935	83.871	3.1649	0.007035	0.078913	-2.4201	6513
SLC37A1	-0.91346	0.91346	1.1873	-3.1644	0.007042	0.078913	-2.421	54020
RAB18	4.6702	4.6702	8.5008	3.1643	0.007043	0.078913	-2.4212	22931
FZD8	-0.88584	0.88584	1.04	-3.1642	0.007044	0.078913	-2.4213	8325
SLC4A5	-0.48313	0.48313	0.73979	-3.1633	0.007056	0.078967	-2.423	57835
EAF1	5.5244	5.5244	7.9428	3.1629	0.007062	0.078967	-2.4237	85403
TRIM16L	0.78309	0.78309	1.3708	3.1629	0.007063	0.078967	-2.4238	147166
GPRIN1	2.4467	2.4467	2.4199	3.1615	0.007081	0.079097	-2.4262	114787
MOSPD1	2.6717	2.6717	3.0132	3.1614	0.007084	0.079097	-2.4266	56180
ID1	24.564	24.564	39.946	3.1597	0.007107	0.079306	-2.4297	3397
ABCA11P	-0.69741	0.69741	1.283	-3.1584	0.007125	0.079443	-2.432	79963
MLLT10	-1.1404	1.1404	3.2617	-3.1581	0.007129	0.079443	-2.4325	8028
FAM118A	-1.7122	1.7122	2.2524	-3.1571	0.007144	0.079558	-2.4345	55007
LPAR3	3.5386	3.5386	4.1606	3.1565	0.007153	0.079578	-2.4356	23566
LOC100506258	-0.29174	0.29174	0.23331	-3.1563	0.007155	0.079578	-2.436	1.01E+08
AHSA2P	-3.8147	3.8147	4.6514	-3.1555	0.007165	0.079641	-2.4373	130872
KRT7-AS	-0.3924	0.3924	0.21142	-3.1552	0.007171	0.079646	-2.438	1.1E+08
HSD11B2	-4.2451	4.2451	3.4671	-3.1541	0.007186	0.07971	-2.44	3291
MIR3936HG	-0.28968	0.28968	0.31243	-3.1538	0.007191	0.07971	-2.4406	553103
GLRX3	11.812	11.812	16.112	3.1534	0.007196	0.07971	-2.4413	10539
KRAS	2.4143	2.4143	4.6418	3.1533	0.007197	0.07971	-2.4414	3845
LINC00667	-1.559	1.559	3.1455	-3.1531	0.0072	0.07971	-2.4418	339290
TNRC6C	-1.1327	1.1327	1.5966	-3.1522	0.007213	0.079805	-2.4436	57690
LOXL2	9.2547	9.2547	8.0899	3.1518	0.007218	0.079806	-2.4442	4017
AHDC1	-3.85	3.85	8.067	-3.1507	0.007234	0.079926	-2.4462	27245

ZBTB3	-0.62489	0.62489	1.4638	-3.1501	0.007243	0.079978	-2.4474	79842
HOMER2	21.183	21.183	22.722	3.1484	0.007268	0.080109	-2.4506	9455
LIFR-AS1	-0.27207	0.27207	0.17394	-3.1482	0.007269	0.080109	-2.4508	1.01E+08
UBAP1	8.4144	8.4144	13.145	3.1482	0.007269	0.080109	-2.4508	51271
MRAP2	-0.27958	0.27958	0.25313	-3.1473	0.007283	0.08012	-2.4525	112609
STRIP2	0.81513	0.81513	0.78236	3.1472	0.007284	0.08012	-2.4527	57464
INTS4	-0.89929	0.89929	3.4064	-3.1471	0.007285	0.08012	-2.4528	92105
PDZD8	4.9105	4.9105	7.878	3.1466	0.007293	0.08012	-2.4538	118987
TSNARE1	-2.1579	2.1579	2.7785	-3.1465	0.007295	0.08012	-2.4541	203062
KBTBD8	0.28784	0.28784	0.32127	3.1461	0.0073	0.08012	-2.4548	84541
ZNF517	-0.56058	0.56058	0.65579	-3.1459	0.007304	0.08012	-2.4552	340385
SERP1	12.431	12.431	15.953	3.1452	0.007313	0.080162	-2.4564	27230
YPEL1	-0.399	0.399	0.55368	-3.1449	0.007317	0.080162	-2.4569	29799
CMAS	5.5478	5.5478	9.2189	3.144	0.00733	0.080223	-2.4586	55907
BMPR1B	0.38772	0.38772	0.66645	3.1437	0.007334	0.080223	-2.4591	658
NOP10	37.201	37.201	37.094	3.1436	0.007337	0.080223	-2.4594	55505
TYR	-2.1259	2.1259	1.3691	-3.1429	0.007346	0.080238	-2.4607	7299
PRR34-AS1	-1.5184	1.5184	2.1451	-3.1428	0.007348	0.080238	-2.4608	150381
HYAL3	0.84543	0.84543	0.93772	3.142	0.007359	0.080297	-2.4622	8372
KAT6A	-2.4707	2.4707	6.956	-3.1418	0.007362	0.080297	-2.4627	7994
ZDHHC21	1.5395	1.5395	2.5134	3.1396	0.007394	0.08052	-2.4667	340481
GJB6	136.89	136.89	123.2	3.1394	0.007397	0.08052	-2.4671	10804
DHODH	-0.58162	0.58162	1.0585	-3.1394	0.007397	0.08052	-2.4671	1723
IPO5P1	-0.4618	0.4618	0.94666	-3.1389	0.007404	0.080545	-2.468	1E+08
SLC7A6OS	-0.72884	0.72884	1.9261	-3.1372	0.00743	0.08073	-2.4712	84138
PCDHB14	-0.53503	0.53503	1.4455	-3.1371	0.007431	0.08073	-2.4714	56122

EPB41L1	-1.5722	1.5722	2.0919	-3.1363	0.007442	0.080798	-2.4728	2036
RGL4	-0.96476	0.96476	1.4429	-3.1358	0.00745	0.080836	-2.4738	266747
UBE2A	6.519	6.519	11.097	3.1346	0.007468	0.080946	-2.476	7319
EPN2-AS1	-1.9853	1.9853	2.0194	-3.1343	0.007471	0.080946	-2.4764	1.01E+08
ARTN	2.1207	2.1207	1.2735	3.1339	0.007478	0.080946	-2.4773	9048
C6orf163	-0.43113	0.43113	0.41373	-3.1338	0.007479	0.080946	-2.4775	206412
ZNF717	-0.43293	0.43293	1.0984	-3.1329	0.007492	0.080995	-2.479	1E+08
SGSM1	-0.21415	0.21415	0.20541	-3.1328	0.007494	0.080995	-2.4793	129049
CYP4F12	-4.3258	4.3258	4.0428	-3.1325	0.007498	0.080995	-2.4798	66002
DAPK2	-1.2944	1.2944	1.8014	-3.1307	0.007525	0.08119	-2.4831	23604
PCAT1	-0.29795	0.29795	0.30484	-3.1301	0.007534	0.08119	-2.4842	1.01E+08
BLACAT1	0.67767	0.67767	0.69639	3.1301	0.007534	0.08119	-2.4843	1.02E+08
KHK	-0.31321	0.31321	0.35947	-3.13	0.007536	0.08119	-2.4845	3795
MACROD2-AS1	-0.26087	0.26087	0.14963	-3.1294	0.007544	0.081223	-2.4855	1E+08
PCDHGA7	-0.32976	0.32976	0.59656	-3.1283	0.00756	0.081347	-2.4875	56108
SERPINA5	-0.74729	0.74729	0.4582	-3.1272	0.007578	0.081485	-2.4897	5104
PWARSN	-1.098	1.098	1.1884	-3.1262	0.007592	0.081524	-2.4915	347746
PCDHGA8	-0.24795	0.24795	0.30228	-3.1262	0.007592	0.081524	-2.4915	9708
FKBP5	-6.1738	6.1738	5.2228	-3.126	0.007596	0.081524	-2.4919	2289
SPTB	-0.45248	0.45248	0.71995	-3.1253	0.007605	0.081525	-2.493	6710
INO80B-WBP1	-1.0549	1.0549	1.6283	-3.1253	0.007605	0.081525	-2.4931	1.01E+08
EIF4EBP3	-1.4295	1.4295	1.8305	-3.1234	0.007633	0.081731	-2.4965	8637
TFCP2L1	-7.3575	7.3575	7.3827	-3.1228	0.007644	0.081731	-2.4978	29842
PPP3CB-AS1	-0.3461	0.3461	0.55671	-3.1227	0.007644	0.081731	-2.4978	1.02E+08
TMC7	0.66298	0.66298	0.59905	3.1227	0.007644	0.081731	-2.4978	79905
SCD	46.701	46.701	42.024	3.1223	0.007651	0.081753	-2.4987	6319

MAP3K13	-0.53377	0.53377	1.2252	-3.1212	0.007667	0.081873	-2.5006	9175
PFKFB2	5.7872	5.7872	6.7089	3.1206	0.007676	0.081913	-2.5017	5208
RGPD6	-0.26651	0.26651	0.30892	-3.1192	0.007698	0.082097	-2.5044	729540
PRDM1	9.3801	9.3801	10.639	3.1181	0.007714	0.082224	-2.5064	639
WFS1	-1.9025	1.9025	3.5318	-3.1176	0.007722	0.082251	-2.5073	7466
SERPINE1	13.949	13.949	10.997	3.1171	0.007729	0.082271	-2.5081	5054
ITPRIP	4.4768	4.4768	9.4067	3.1168	0.007734	0.082271	-2.5087	85450
LOC101929882	-0.34616	0.34616	0.38519	-3.1145	0.00777	0.082602	-2.5131	1.02E+08
HAUS5	-0.77527	0.77527	1.3707	-3.1129	0.007794	0.082807	-2.516	23354
LYPD5	50.184	50.184	42.067	3.1095	0.007846	0.083259	-2.5222	284348
CACNA2D2	-0.27419	0.27419	0.25322	-3.1092	0.00785	0.083259	-2.5227	9254
CDK5RAP2	-1.6013	1.6013	4.4776	-3.1091	0.007852	0.083259	-2.5229	55755
FNDC8	-0.28859	0.28859	0.30193	-3.1088	0.007856	0.083259	-2.5234	54752
C8orf44	-0.38359	0.38359	0.51128	-3.1079	0.00787	0.083294	-2.5251	56260
EPB41L4A-AS1	-4.1387	4.1387	5.8475	-3.1079	0.00787	0.083294	-2.5251	114915
DGCR6	-2.821	2.821	3.23	-3.1077	0.007874	0.083294	-2.5256	8214
PRX	-0.43303	0.43303	0.47318	-3.1073	0.00788	0.083306	-2.5263	57716
MKRN2OS	-0.3602	0.3602	0.54699	-3.1065	0.007893	0.083388	-2.5278	1E+08
MSL2	-1.0193	1.0193	3.9313	-3.106	0.0079	0.083414	-2.5287	55167
SESN2	3.387	3.387	4.3747	3.1055	0.007908	0.083416	-2.5296	83667
NRAS	5.0497	5.0497	8.291	3.1052	0.007913	0.083416	-2.5302	4893
SVEP1	-6.0672	6.0672	5.0094	-3.1046	0.007921	0.083416	-2.5312	79987
ADCYAP1R1	-0.29431	0.29431	0.34854	-3.1045	0.007923	0.083416	-2.5314	117
OBP2B	-0.27451	0.27451	0.15573	-3.1044	0.007925	0.083416	-2.5316	29989
C2orf88	-1.1251	1.1251	1.3342	-3.104	0.007931	0.08343	-2.5324	84281
CRCT1	418.58	418.58	310.18	3.1028	0.00795	0.083572	-2.5345	54544

LTBP4	-8.8595	8.8595	10.889	-3.1013	0.007973	0.083713	-2.5372	8425
CTC1	-0.84327	0.84327	2.0734	-3.1013	0.007974	0.083713	-2.5373	80169
NRBF2	10.551	10.551	9.4556	3.101	0.007979	0.083713	-2.5379	29982
SOWAHC	13.509	13.509	14.138	3.1004	0.007988	0.083713	-2.539	65124
FAM184B	-0.25217	0.25217	0.28388	-3.1002	0.007991	0.083713	-2.5394	27146
AK7	-0.35018	0.35018	0.35262	-3.1001	0.007993	0.083713	-2.5396	122481
TOLLIP-AS1	-0.27806	0.27806	0.35064	-3.0997	0.007999	0.08372	-2.5402	255512
SOX6	-0.44345	0.44345	0.81866	-3.0988	0.008012	0.083743	-2.5418	55553
ALDH5A1	-0.95672	0.95672	1.2267	-3.0984	0.008019	0.083743	-2.5426	7915
PPP4R4	0.39404	0.39404	0.28482	3.0984	0.00802	0.083743	-2.5427	57718
S100A16	119.47	119.47	136.4	3.0983	0.008021	0.083743	-2.5429	140576
RAB3A	-0.37827	0.37827	0.55648	-3.0977	0.00803	0.083743	-2.544	5864
GLCCI1	-0.74219	0.74219	1.196	-3.0975	0.008033	0.083743	-2.5443	113263
CARF	-0.52802	0.52802	0.79279	-3.0974	0.008036	0.083743	-2.5445	79800
PGAM1	80.555	80.555	94.322	3.097	0.008041	0.083746	-2.5452	5223
LIME1	-0.99658	0.99658	1.2111	-3.0966	0.008048	0.083768	-2.546	54923
PERP	283.43	283.43	350.86	3.0962	0.008054	0.083779	-2.5467	64065
LMO1	-0.28722	0.28722	0.27675	-3.0952	0.00807	0.083779	-2.5485	4004
ABCA10	-0.77657	0.77657	0.71096	-3.0946	0.008079	0.083779	-2.5496	10349
ASMTL	-1.4449	1.4449	2.3808	-3.0939	0.008091	0.083779	-2.551	8623
TMEM144	-0.3828	0.3828	0.70258	-3.0934	0.008099	0.083779	-2.5519	55314
BLNK	7.5844	7.5844	8.3839	3.0934	0.008099	0.083779	-2.5519	29760
TTC21B	-1.4794	1.4794	1.8707	-3.0931	0.008104	0.083779	-2.5525	79809
CAMSAP2	4.5241	4.5241	8.2282	3.0928	0.008108	0.083779	-2.553	23271
RNF152	-2.4478	2.4478	5.1416	-3.0927	0.00811	0.083779	-2.5532	220441
KBTBD7	-0.36444	0.36444	0.98014	-3.0926	0.008112	0.083779	-2.5534	84078

CHCHD10	-7.2568	7.2568	10.133	-3.0925	0.008113	0.083779	-2.5535	400916
OSER1	4.5792	4.5792	6.6694	3.0925	0.008114	0.083779	-2.5536	51526
CCDC3	-4.5988	4.5988	6.6775	-3.0924	0.008115	0.083779	-2.5538	83643
FLT3LG	-1.1971	1.1971	1.5903	-3.0922	0.008118	0.083779	-2.5541	2323
COL28A1	-0.24023	0.24023	0.17904	-3.0911	0.008135	0.083855	-2.556	340267
RCAN1	17.628	17.628	14.019	3.0909	0.008138	0.083855	-2.5564	1827
SRGAP3-AS2	-0.23065	0.23065	0.16661	-3.0908	0.008141	0.083855	-2.5567	1.02E+08
DCBLD1	2.449	2.449	2.8913	3.0901	0.008152	0.083873	-2.558	285761
FLYWCH1	-3.1211	3.1211	4.6234	-3.09	0.008152	0.083873	-2.558	84256
B9D1	-0.60706	0.60706	1.0898	-3.0896	0.00816	0.083901	-2.5589	27077
GJB2	528.42	528.42	464.7	3.0886	0.008176	0.084011	-2.5607	2706
C20orf204	-0.32856	0.32856	0.33193	-3.0883	0.008181	0.084013	-2.5613	284739
ZNF571	-0.29027	0.29027	0.57173	-3.088	0.008186	0.084015	-2.5619	51276
HOOK1	4.8523	4.8523	6.4961	3.0871	0.0082	0.084105	-2.5635	51361
DZANK1	-0.23266	0.23266	0.32242	-3.0867	0.008207	0.084128	-2.5643	55184
LOC283922	-2.1478	2.1478	2.9318	-3.0852	0.00823	0.084311	-2.5669	283922
ATF7IP	-2.0003	2.0003	6.0574	-3.0846	0.00824	0.084368	-2.5681	55729
TM4SF19-TCTEX1D2	1.0279	1.0279	0.83441	3.0825	0.008275	0.08467	-2.572	1.01E+08
PIK3R1	-7.057	7.057	7.9874	-3.0818	0.008286	0.084721	-2.5733	5295
BORCS5	-0.91996	0.91996	2.0383	-3.0815	0.00829	0.084721	-2.5737	118426
ASH1L	-2.9728	2.9728	9.0243	-3.0801	0.008314	0.084917	-2.5764	55870
TP53I3	5.6724	5.6724	6.2774	3.0774	0.008358	0.085316	-2.5814	9540
TUBA1C	155.65	155.65	170.54	3.0767	0.00837	0.085381	-2.5826	84790
LRP4-AS1	-2.4909	2.4909	1.5655	-3.0762	0.008378	0.085412	-2.5835	1.01E+08
TBX3	-3.8178	3.8178	6.0494	-3.0751	0.008397	0.085481	-2.5856	6926
PKIA-AS1	-0.43438	0.43438	0.2861	-3.0749	0.008399	0.085481	-2.5859	1.02E+08

TMPRSS9	-0.2764	0.2764	0.24415	-3.0748	0.008402	0.085481	-2.5862	360200
SERINC2	12.881	12.881	15.077	3.0744	0.008408	0.085481	-2.5869	347735
MIA	-1.5903	1.5903	1.0201	-3.0742	0.00841	0.085481	-2.5871	8190
SLC35F5	2.0534	2.0534	5.7774	3.0738	0.008418	0.08551	-2.588	80255
GNAZ	-0.28773	0.28773	0.27129	-3.073	0.00843	0.085536	-2.5893	2781
IGFBP2	21.927	21.927	21.434	3.073	0.00843	0.085536	-2.5894	3485
RNF125	-0.92576	0.92576	1.1828	-3.072	0.008447	0.085623	-2.5913	54941
LINC00921	-0.79161	0.79161	1.0972	-3.0719	0.008449	0.085623	-2.5915	283876
STX3	0.74807	0.74807	2.6859	3.0703	0.008476	0.085839	-2.5944	6809
SEMA3F-AS1	-0.93855	0.93855	1.4693	-3.0696	0.008487	0.085905	-2.5957	1E+08
UGP2	10.825	10.825	16.726	3.0688	0.008501	0.085938	-2.5972	7360
C14orf93	-0.66598	0.66598	1.3327	-3.0686	0.008504	0.085938	-2.5975	60686
PCSK2	-0.72375	0.72375	0.48234	-3.0683	0.008509	0.085938	-2.598	5126
TOR1AIP2	2.1413	2.1413	4.5503	3.0682	0.008511	0.085938	-2.5983	163590
NAPG	1.5702	1.5702	4.0043	3.0671	0.008529	0.086036	-2.6002	8774
CATSPER2	-0.42438	0.42438	0.46802	-3.067	0.008531	0.086036	-2.6004	117155
PPP1R15B	3.8704	3.8704	9.3958	3.0662	0.008545	0.086129	-2.602	84919
NSUN5P1	-2.2814	2.2814	2.9303	-3.0651	0.008562	0.086249	-2.6039	155400
FAM50B	-0.86085	0.86085	1.311	-3.0646	0.008572	0.086276	-2.6049	26240
FAM111A-DT	-0.31823	0.31823	0.56056	-3.0644	0.008575	0.086276	-2.6053	1.02E+08
PAK6	-2.5003	2.5003	3.7961	-3.0637	0.008586	0.086337	-2.6065	56924
PDZD4	-0.57972	0.57972	0.61634	-3.0629	0.0086	0.086425	-2.608	57595
GSTP1	204.03	204.03	266.68	3.0625	0.008607	0.086432	-2.6087	2950
GSDMB	-0.73502	0.73502	0.92043	-3.0622	0.008611	0.086432	-2.6092	55876
PHLDA1	7.3751	7.3751	5.9875	3.0616	0.008622	0.086487	-2.6103	22822
SLC9A8	-0.60082	0.60082	1.5332	-3.0612	0.008628	0.08649	-2.6111	23315

GTF2E2	2.0764	2.0764	4.3136	3.061	0.008632	0.08649	-2.6115	2961
LCLAT1	1.4986	1.4986	2.9738	3.0599	0.008651	0.086629	-2.6135	253558
LINC01772	-0.65668	0.65668	0.82848	-3.0593	0.008661	0.086675	-2.6146	1.08E+08
B3GNTL1	-0.31179	0.31179	0.50792	-3.0581	0.008682	0.086676	-2.6168	146712
RNF207	-0.29931	0.29931	0.35118	-3.0579	0.008685	0.086676	-2.6172	388591
RAET1L	6.2909	6.2909	3.6589	3.0574	0.008693	0.086676	-2.618	154064
RBFA	-0.49738	0.49738	1.4109	-3.0574	0.008694	0.086676	-2.6182	79863
HIF1AN	-2.2061	2.2061	5.8055	-3.0573	0.008696	0.086676	-2.6183	55662
PELI3	-0.97737	0.97737	1.7595	-3.0571	0.008698	0.086676	-2.6186	246330
SLC29A1	-4.0338	4.0338	6.6417	-3.057	0.0087	0.086676	-2.6188	2030
FGF11	6.2806	6.2806	8.01	3.0566	0.008708	0.086676	-2.6196	2256
CBY3	-0.24616	0.24616	0.19127	-3.0564	0.008711	0.086676	-2.6199	646019
FOSL1	16.182	16.182	9.8733	3.0563	0.008712	0.086676	-2.6201	8061
POC1B-AS1	-0.29491	0.29491	0.50257	-3.0557	0.008722	0.086681	-2.6211	1.1E+08
UBE2G1	5.6796	5.6796	9.7012	3.0555	0.008726	0.086681	-2.6215	7326
GATA3	-11.644	11.644	8.6152	-3.0554	0.008728	0.086681	-2.6218	2625
ACVR2B-AS1	-0.20332	0.20332	0.18913	-3.0548	0.008739	0.086736	-2.6229	1E+08
UBC	148.49	148.49	262.1	3.0543	0.008747	0.086766	-2.6238	7316
KLHL31	-0.22129	0.22129	0.17553	-3.054	0.008752	0.086766	-2.6244	401265
PWAR5	-1.4036	1.4036	1.3334	-3.0532	0.008766	0.086802	-2.6259	8123
PFKFB3	9.2342	9.2342	14.45	3.053	0.008769	0.086802	-2.6262	5209
SCFD1	3.6385	3.6385	7.8625	3.0529	0.008771	0.086802	-2.6264	23256
ZSWIM8-AS1	-0.69247	0.69247	1.3432	-3.0524	0.00878	0.086835	-2.6273	1.01E+08
DRAP1	41.073	41.073	42.453	3.0514	0.008797	0.086949	-2.6291	10589
SPRR3	4.265	4.265	2.6911	3.0508	0.008807	0.086949	-2.6301	6707
GPATCH2	0.45411	0.45411	1.5332	3.0508	0.008807	0.086949	-2.6302	55105

SLITRK2	-0.33972	0.33972	0.35277	-3.0504	0.008815	0.086949	-2.631	84631
PIP5K1B	-0.37487	0.37487	0.26733	-3.0502	0.008817	0.086949	-2.6312	8395
ZNF727	-0.51995	0.51995	0.3775	-3.0488	0.008842	0.087141	-2.6339	442319
LOC102724814	-1.3087	1.3087	1.8062	-3.0485	0.008847	0.087141	-2.6344	1.03E+08
SCAMP1	1.4324	1.4324	3.1054	3.0482	0.008852	0.087141	-2.6349	9522
ZNF141	-0.56991	0.56991	0.84902	-3.0468	0.008876	0.087262	-2.6375	7700
PRMT2	-1.5941	1.5941	4.4536	-3.0464	0.008884	0.087262	-2.6383	3275
UNKL	-1.2968	1.2968	1.9048	-3.0462	0.008888	0.087262	-2.6387	64718
POLH	-0.55559	0.55559	1.8801	-3.046	0.00889	0.087262	-2.639	5429
CEP250	-1.2664	1.2664	1.8979	-3.0456	0.008897	0.087262	-2.6397	11190
DNAJC12	0.58118	0.58118	0.32559	3.0456	0.008898	0.087262	-2.6398	56521
ZNF44	-0.99776	0.99776	1.9627	-3.0445	0.008917	0.087262	-2.6418	51710
SKAP1	-0.31345	0.31345	0.3925	-3.0444	0.008918	0.087262	-2.6419	8631
C21orf58	-0.33333	0.33333	0.54961	-3.0443	0.008921	0.087262	-2.6422	54058
LOC110091768	-0.39682	0.39682	0.2989	-3.0442	0.008922	0.087262	-2.6423	1.1E+08
FOXJ1	-0.2239	0.2239	0.13909	-3.0439	0.008927	0.087262	-2.6429	2302
RRP7BP	-1.6401	1.6401	2.6373	-3.0438	0.00893	0.087262	-2.6431	91695
BDKRB2	4.2889	4.2889	5.8587	3.0437	0.008931	0.087262	-2.6433	624
SMIM10L2B	-0.3855	0.3855	0.56354	-3.0428	0.008946	0.087355	-2.6448	644596
AFF4	3.4052	3.4052	11.815	3.0423	0.008955	0.087396	-2.6458	27125
MCOLN3	-0.43254	0.43254	0.48111	-3.0416	0.008969	0.087472	-2.6472	55283
EEF1A2	3.9782	3.9782	3.5699	3.0412	0.008975	0.087486	-2.6478	1917
SPATA18	-0.46555	0.46555	1.5651	-3.0408	0.008982	0.087498	-2.6485	132671
PRKCI	2.9037	2.9037	5.2196	3.0398	0.009001	0.087633	-2.6505	5584
DYNLL2	-6.6171	6.6171	10.424	-3.0391	0.009012	0.087693	-2.6517	140735
SPATA12	-0.45455	0.45455	0.58365	-3.0387	0.009019	0.087711	-2.6524	353324

FBXL8	-2.0742	2.0742	2.3592	-3.0373	0.009044	0.08788	-2.6549	55336
LINC01290	-1.9039	1.9039	1.4155	-3.037	0.009049	0.08788	-2.6555	1.06E+08
AFF1-AS1	-0.28263	0.28263	0.52391	-3.0369	0.009052	0.08788	-2.6558	1.01E+08
ZSCAN18	-1.6253	1.6253	1.9043	-3.0365	0.009059	0.087899	-2.6565	65982
ECM1	48.807	48.807	47.618	3.036	0.009067	0.087924	-2.6573	1893
LAMP5	0.58716	0.58716	0.43907	3.0353	0.00908	0.088002	-2.6587	24141
DYNC1I2	4.8608	4.8608	10.932	3.0338	0.009107	0.088207	-2.6614	1781
SLMO2-ATP5E	8.5855	8.5855	10.67	3.0333	0.009115	0.08824	-2.6623	1.01E+08
PI16	-9.5608	9.5608	5.1675	-3.033	0.009122	0.088253	-2.663	221476
CRLF3	2.0266	2.0266	4.1028	3.0326	0.009129	0.088273	-2.6637	51379
LRP5	-3.7741	3.7741	5.1347	-3.0314	0.00915	0.088418	-2.6658	4041
LINC00674	-1.2393	1.2393	2.8852	-3.0311	0.009154	0.088418	-2.6663	1E+08
JADE2	-2.3263	2.3263	2.757	-3.0307	0.009162	0.08844	-2.6671	23338
DESI2	2.9002	2.9002	5.0143	3.0298	0.009179	0.088549	-2.6688	51029
LOC101926889	-0.44607	0.44607	0.67213	-3.0256	0.009256	0.089242	-2.6766	1.02E+08
SYNM	-1.7952	1.7952	1.791	-3.0249	0.009268	0.089295	-2.6779	23336
MRPL45P2	-0.55993	0.55993	1.1378	-3.0246	0.009273	0.089295	-2.6784	653479
PINK1-AS	-0.80278	0.80278	1.5579	-3.024	0.009284	0.089295	-2.6794	1.01E+08
PDCD7	-1.2571	1.2571	4.0423	-3.0237	0.00929	0.089295	-2.68	10081
ADH1B	-10.441	10.441	5.5877	-3.0236	0.009291	0.089295	-2.6801	125
ADGRE3	0.34291	0.34291	0.18554	3.0235	0.009293	0.089295	-2.6803	84658
RIPK2	3.7683	3.7683	3.6337	3.0228	0.009306	0.089374	-2.6817	8767
C1orf220	-0.26349	0.26349	0.23442	-3.0223	0.009315	0.089402	-2.6825	400798
HDLBP	19.496	19.496	43.772	3.0215	0.009331	0.089505	-2.6841	3069
LACTB	1.6779	1.6779	2.8384	3.0192	0.009373	0.089792	-2.6883	114294
CCT6P1	-0.5713	0.5713	0.89539	-3.0191	0.009373	0.089792	-2.6883	643253

TMEM94	-2.4708	2.4708	3.7869	-3.019	0.009376	0.089792	-2.6887	9772
ATE1-AS1	-0.35537	0.35537	0.2591	-3.0183	0.009389	0.089862	-2.6899	1E+08
THBD	8.8692	8.8692	19.818	3.0165	0.009421	0.090011	-2.6931	7056
CA14	-0.3733	0.3733	0.32302	-3.0163	0.009425	0.090011	-2.6935	23632
BTBD10	2.427	2.427	4.533	3.0163	0.009425	0.090011	-2.6935	84280
PHYHIP	-2.0507	2.0507	1.1978	-3.0163	0.009426	0.090011	-2.6936	9796
ANKRD37	6.7038	6.7038	4.8552	3.015	0.00945	0.090071	-2.6959	353322
MFAP3	2.7501	2.7501	4.6076	3.0145	0.009459	0.090071	-2.6968	4238
TTN	-0.31123	0.31123	0.42334	-3.0139	0.00947	0.090071	-2.6979	7273
MOK	-0.37673	0.37673	0.59334	-3.0135	0.009477	0.090071	-2.6986	5891
GRIA2	-0.24637	0.24637	0.1314	-3.0124	0.009498	0.090071	-2.7006	2891
FUT3	2.3264	2.3264	1.9805	3.0114	0.009518	0.090071	-2.7026	2525
TRIM56	-2.7347	2.7347	3.5862	-3.0108	0.009528	0.090071	-2.7036	81844
IL1RN	51.817	51.817	40.463	3.0106	0.009531	0.090071	-2.7039	3557
PEAK3	-0.6842	0.6842	0.80665	-3.0106	0.009531	0.090071	-2.7039	374872
C3orf67	0.31758	0.31758	0.22702	3.0106	0.009532	0.090071	-2.704	200844
LYSMD3	1.2562	1.2562	2.0928	3.0104	0.009535	0.090071	-2.7043	116068
CMTR1	-2.4753	2.4753	5.1859	-3.01	0.009543	0.090071	-2.7051	23070
SLC25A2	-0.42108	0.42108	0.33078	-3.0098	0.009546	0.090071	-2.7054	83884
MAST4-AS1	0.79821	0.79821	1.0323	3.0097	0.009548	0.090071	-2.7056	1.02E+08
LOC103908605	-0.50443	0.50443	0.48046	-3.0097	0.009549	0.090071	-2.7056	1.04E+08
EIF2S2	12.663	12.663	17.703	3.0096	0.00955	0.090071	-2.7058	8894
HIF3A	-0.89722	0.89722	0.52937	-3.0094	0.009555	0.090071	-2.7062	64344
UTRN	-5.3538	5.3538	12.295	-3.0093	0.009556	0.090071	-2.7064	7402
TP53	-5.3927	5.3927	11.268	-3.009	0.009561	0.090071	-2.7069	7157
SELENBP1	-2.448	2.448	2.8626	-3.009	0.009562	0.090071	-2.7069	8991

MMADHC	16.118	16.118	23.614	3.0089	0.009564	0.090071	-2.7071	27249
GRAMD4	-3.8451	3.8451	7.0917	-3.0086	0.009569	0.090071	-2.7076	23151
CHMP2B	3.3708	3.3708	6.6626	3.0086	0.00957	0.090071	-2.7077	25978
ANKFN1	-0.27978	0.27978	0.17608	-3.0084	0.009572	0.090071	-2.708	162282
PRSS23	4.3634	4.3634	4.421	3.0083	0.009576	0.090071	-2.7083	11098
SRGAP3-AS3	-0.20506	0.20506	0.12808	-3.0081	0.00958	0.090071	-2.7086	1E+08
KLF11	-1.8039	1.8039	5.4053	-3.0079	0.009582	0.090071	-2.7089	8462
OXGR1	-0.30441	0.30441	0.23721	-3.0078	0.009585	0.090071	-2.7092	27199
ULBP3	0.77767	0.77767	0.64957	3.0074	0.009592	0.090071	-2.7099	79465
TFAP2A-AS1	-0.70583	0.70583	1.0633	-3.007	0.0096	0.090071	-2.7106	1E+08
ORMDL2	7.9688	7.9688	10.001	3.0069	0.009601	0.090071	-2.7107	29095
NGF	1.132	1.132	1.0231	3.0068	0.009603	0.090071	-2.7109	4803
EIF4G2	54.007	54.007	104.95	3.0061	0.009616	0.090145	-2.7122	1982
PSMD14	9.5558	9.5558	14.511	3.0051	0.009636	0.090269	-2.7142	10213
FRG1HP	-0.63211	0.63211	1.2389	-3.0049	0.00964	0.090269	-2.7145	1E+08
ZP3	-0.77358	0.77358	0.93717	-3.0034	0.009668	0.09048	-2.7172	7784
GPRASP2	-0.45082	0.45082	0.56912	-3.003	0.009676	0.090501	-2.718	114928
RAB6A	9.2164	9.2164	19.474	3.0026	0.009683	0.090519	-2.7187	5870
ZNF573	-0.5993	0.5993	1.0928	-3.0021	0.009692	0.090541	-2.7195	126231
STAR	-0.36883	0.36883	0.56046	-3.0015	0.009704	0.090541	-2.7206	6770
AP3S2	-0.34239	0.34239	1.1824	-3.0015	0.009704	0.090541	-2.7207	10239
C10orf99	97.805	97.805	95.391	3.0014	0.009707	0.090541	-2.7209	387695
SULT2B1	42.93	42.93	47.321	2.9995	0.009743	0.090768	-2.7244	6820
MROH7	-0.33332	0.33332	0.26655	-2.9993	0.009747	0.090768	-2.7248	374977
ORAI1	-4.1786	4.1786	7.5434	-2.9988	0.009755	0.090768	-2.7256	84876
FBXW4	-4.8708	4.8708	9.2023	-2.9986	0.00976	0.090768	-2.726	6468

TNFAIP1	9.3846	9.3846	16.469	2.9985	0.009761	0.090768	-2.7261	7126
PGAP1	-1.3564	1.3564	2.1217	-2.9983	0.009765	0.090768	-2.7265	80055
ZMAT1	-0.38489	0.38489	0.3263	-2.9979	0.009774	0.090768	-2.7274	84460
NPIPB13	-1.1459	1.1459	1.3658	-2.9978	0.009774	0.090768	-2.7274	613037
PCDHB9	-0.28656	0.28656	0.38323	-2.9963	0.009805	0.090958	-2.7303	56127
CEP128	-0.48854	0.48854	0.85629	-2.9962	0.009806	0.090958	-2.7304	145508
ZNF703	-8.1753	8.1753	9.6187	-2.9957	0.009816	0.090958	-2.7313	80139
DTD2	1.4061	1.4061	2.6132	2.9957	0.009816	0.090958	-2.7314	112487
SLC43A1	-1.0755	1.0755	1.4777	-2.9952	0.009825	0.090984	-2.7322	8501
ZMYND8	-1.8317	1.8317	3.9254	-2.9949	0.009831	0.090984	-2.7328	23613
LOC101927708	-0.9315	0.9315	0.86582	-2.9947	0.009835	0.090984	-2.7332	1.02E+08
GSN	-33.785	33.785	48.385	-2.9942	0.009845	0.091027	-2.7341	2934
LOC729558	-0.55148	0.55148	0.75212	-2.9934	0.00986	0.091117	-2.7356	729558
SCAI	-0.30926	0.30926	0.56418	-2.9928	0.009871	0.091169	-2.7366	286205
TYRP1	-14.095	14.095	9.3137	-2.9923	0.009882	0.091215	-2.7376	7306
ZSCAN9	-0.50753	0.50753	1.1412	-2.9914	0.009898	0.091292	-2.7391	7746
KMT2C	-3.7011	3.7011	10.232	-2.9913	0.009901	0.091292	-2.7394	58508
ZNF607	-0.40125	0.40125	0.75382	-2.9903	0.00992	0.091415	-2.7412	84775
HSPA4L	4.472	4.472	6.4202	2.9897	0.009931	0.091428	-2.7422	22824
PMS2P2	-0.48454	0.48454	0.62415	-2.9897	0.009932	0.091428	-2.7423	5380
UPK1B	1.9857	1.9857	1.1488	2.9892	0.009941	0.091462	-2.7432	7348
USP30	-0.76129	0.76129	1.6236	-2.9888	0.00995	0.091479	-2.744	84749
LOC101928445	-0.35163	0.35163	0.37977	-2.9886	0.009954	0.091479	-2.7444	1.02E+08
FTO	-1.3701	1.3701	5.3896	-2.9872	0.009981	0.09168	-2.7469	79068
BNIP3L	24.106	24.106	27.368	2.9855	0.010014	0.09183	-2.75	665
OPHN1	-3.6042	3.6042	5.6376	-2.9855	0.010015	0.09183	-2.75	4983

SLC25A48	-0.60806	0.60806	0.56102	-2.9853	0.010018	0.09183	-2.7504	153328
DNAJC1	2.8242	2.8242	5.3213	2.9852	0.010019	0.09183	-2.7505	64215
RNF43	-0.9641	0.9641	1.699	-2.9847	0.01003	0.091877	-2.7514	54894
RRN3P3	-0.95244	0.95244	1.5537	-2.9838	0.010048	0.091979	-2.7532	1E+08
SIAH2	6.6781	6.6781	10.251	2.9833	0.010058	0.091979	-2.754	6478
AKIRIN1	3.659	3.659	7.0245	2.9832	0.010059	0.091979	-2.7542	79647
CROT	-1.1457	1.1457	2.74	-2.983	0.010063	0.091979	-2.7545	54677
MYO1B	19.986	19.986	19.851	2.9822	0.01008	0.092087	-2.7561	4430
SRGAP2	-2.7606	2.7606	4.823	-2.9808	0.010107	0.092284	-2.7586	23380
UGT8	-1.6062	1.6062	1.7993	-2.9797	0.010128	0.092428	-2.7605	7368
PCDHB2	-0.66501	0.66501	0.75219	-2.9795	0.010134	0.092431	-2.7611	56133
GALNT17	-0.47259	0.47259	0.29157	-2.9789	0.010145	0.09245	-2.7621	64409
LINC01000	-4.5335	4.5335	7.0042	-2.9788	0.010147	0.09245	-2.7623	402483
SHPRH	-1.0855	1.0855	2.5182	-2.9785	0.010153	0.092456	-2.7628	257218
CCDC171	-0.35183	0.35183	0.5541	-2.9775	0.010172	0.092538	-2.7646	203238
OBP2A	-0.33995	0.33995	0.21759	-2.9775	0.010173	0.092538	-2.7647	29991
C11orf52	-0.45052	0.45052	0.71488	-2.9757	0.010209	0.092685	-2.768	91894
BLOC1S2	3.7852	3.7852	5.5253	2.9756	0.010211	0.092685	-2.7682	282991
SUCLA2	3.4857	3.4857	6.4124	2.9753	0.010217	0.092685	-2.7687	8803
LRRK1	-1.2596	1.2596	2.6603	-2.9752	0.010219	0.092685	-2.7689	79705
CARNS1	-0.3935	0.3935	0.408	-2.975	0.010222	0.092685	-2.7691	57571
MYO5A	7.4188	7.4188	10.745	2.975	0.010222	0.092685	-2.7691	4644
CNIH1	7.6177	7.6177	10.846	2.9747	0.010228	0.092688	-2.7697	10175
TRMT2B	-1.1862	1.1862	2.8273	-2.9744	0.010234	0.092697	-2.7703	79979
NCALD	-1.6513	1.6513	2.2172	-2.9734	0.010255	0.092833	-2.7721	83988
ZNF446	-0.98566	0.98566	1.4697	-2.9722	0.01028	0.092997	-2.7744	55663

LINC01347	-1.423	1.423	2.9677	-2.972	0.010284	0.092997	-2.7748	731275
CIB2	4.5112	4.5112	4.4741	2.9707	0.01031	0.093178	-2.7771	10518
LCE5A	-7.7963	7.7963	5.1197	-2.9704	0.010316	0.09319	-2.7777	254910
HAND2	-0.71323	0.71323	0.57023	-2.9696	0.010331	0.093252	-2.779	9464
SLC25A42	-0.60418	0.60418	0.95079	-2.969	0.010343	0.093252	-2.7801	284439
WDR7	-0.74776	0.74776	2.4674	-2.9689	0.010346	0.093252	-2.7804	23335
LOXL4	-0.53402	0.53402	0.7722	-2.9686	0.010352	0.093252	-2.781	84171
UBN2	-1.43	1.43	2.8651	-2.9683	0.010359	0.093252	-2.7815	254048
STX1A	0.60523	0.60523	0.75647	2.9678	0.010369	0.093252	-2.7824	6804
FAM91A1	2.2422	2.2422	5.6582	2.9674	0.010377	0.093252	-2.7832	157769
SART3	-1.4612	1.4612	4.3704	-2.9673	0.010379	0.093252	-2.7833	9733
OTULIN	-1.5059	1.5059	4.5482	-2.9672	0.010381	0.093252	-2.7835	90268
ITGA2	-2.5349	2.5349	5.6877	-2.9671	0.010383	0.093252	-2.7837	3673
CCND2	11.017	11.017	16.639	2.967	0.010384	0.093252	-2.7838	894
SNHG15	4.3532	4.3532	6.5785	2.9668	0.01039	0.093254	-2.7843	285958
TBX18	-0.95795	0.95795	1.1902	-2.9658	0.010409	0.093374	-2.786	9096
DENND4C	-2.8249	2.8249	6.2007	-2.9643	0.01044	0.093513	-2.7888	55667
PI4K2B	2.0041	2.0041	4.8739	2.9642	0.010442	0.093513	-2.789	55300
RB1	4.5866	4.5866	6.2572	2.9639	0.010448	0.093513	-2.7895	5925
TENM1	-0.43064	0.43064	0.30036	-2.9638	0.010449	0.093513	-2.7896	10178
GABPB1-AS1	-1.4379	1.4379	1.8977	-2.9637	0.010452	0.093513	-2.7898	1E+08
COQ10B	2.2738	2.2738	3.7684	2.9634	0.010459	0.093516	-2.7905	80219
ACTG1	553.78	553.78	718.95	2.9632	0.010463	0.093516	-2.7909	71
SPHK1	10.164	10.164	8.1079	2.9626	0.010476	0.093522	-2.792	8877
IRX4	-2.1306	2.1306	3.6826	-2.9625	0.010478	0.093522	-2.7921	50805
FAM89B	13.271	13.271	18.737	2.9623	0.010481	0.093522	-2.7925	23625

CAND2	-0.47494	0.47494	0.53061	-2.9621	0.010486	0.093522	-2.7929	23066
GOLGA8R	-0.4996	0.4996	0.50411	-2.9607	0.010514	0.093719	-2.7953	1.01E+08
RORC	-1.6112	1.6112	1.9087	-2.9601	0.010526	0.09374	-2.7964	6097
MACROD1	-2.4629	2.4629	3.171	-2.9598	0.010533	0.09374	-2.7971	28992
CHPT1	-2.764	2.764	3.3625	-2.9595	0.010538	0.09374	-2.7975	56994
CTPS1	3.6855	3.6855	5.9485	2.9593	0.010544	0.09374	-2.798	1503
CX3CL1	-4.0366	4.0366	3.068	-2.9593	0.010544	0.09374	-2.798	6376
C16orf72	4.3201	4.3201	8.2288	2.9585	0.010559	0.093829	-2.7994	29035
MYL12B	75.928	75.928	98.627	2.9582	0.010565	0.093829	-2.7999	103910
WDR33	-1.2075	1.2075	3.8695	-2.9572	0.010587	0.093963	-2.8018	55339
TUBGCP3	-0.9528	0.9528	3.0422	-2.957	0.010591	0.093963	-2.8022	10426
TAS2R31	-0.62879	0.62879	0.80134	-2.9566	0.010599	0.093979	-2.8029	259290
MAP3K6	-5.4	5.4	12.728	-2.9562	0.010607	0.093979	-2.8035	9064
SPDYE18	-0.57614	0.57614	0.48007	-2.9557	0.010617	0.093979	-2.8044	1.01E+08
RBM26	-1.4604	1.4604	4.1893	-2.9554	0.010624	0.093979	-2.805	64062
WSB2	8.4701	8.4701	13.839	2.9554	0.010624	0.093979	-2.8051	55884
FRY-AS1	-0.29891	0.29891	0.28101	-2.9553	0.010626	0.093979	-2.8053	1.01E+08
RNF217	1.396	1.396	2.9944	2.9549	0.010634	0.093999	-2.8059	154214
MORF4L2	13.983	13.983	24.862	2.9535	0.010664	0.094216	-2.8086	9643
LIFR	-3.1753	3.1753	2.2419	-2.953	0.010674	0.094254	-2.8094	3977
ATP10D	2.246	2.246	8.0164	2.9525	0.010684	0.09429	-2.8103	57205
C4orf3	15.67	15.67	21.682	2.952	0.010696	0.094315	-2.8113	401152
METTL17	-2.0325	2.0325	5.9708	-2.9519	0.010698	0.094315	-2.8115	64745
TNFRSF18	-0.87788	0.87788	1.1635	-2.9508	0.010721	0.094338	-2.8135	8784
C1orf74	3.5377	3.5377	3.4543	2.9507	0.010723	0.094338	-2.8137	148304
RAB31	19.057	19.057	19.43	2.9506	0.010724	0.094338	-2.8138	11031

PMAIP1	1.1821	1.1821	1.7415	2.9504	0.01073	0.094338	-2.8143	5366
KRT15	-40.172	40.172	25.748	-2.9504	0.01073	0.094338	-2.8143	3866
LOC100652999	-0.347	0.347	0.333	-2.9497	0.010743	0.094338	-2.8155	1.01E+08
STK38L	2.3783	2.3783	4.5474	2.9497	0.010744	0.094338	-2.8155	23012
ZNF507	-0.9986	0.9986	2.1163	-2.9496	0.010745	0.094338	-2.8156	22847
CA3	-0.23304	0.23304	0.17632	-2.9485	0.010768	0.094492	-2.8176	761
TMEM271	-0.66969	0.66969	0.48126	-2.9477	0.010785	0.094524	-2.8191	1.12E+08
SLC13A5	0.29781	0.29781	0.22012	2.9473	0.010794	0.094524	-2.8198	284111
PCDHB3	-0.27176	0.27176	0.3403	-2.9471	0.010799	0.094524	-2.8202	56132
MYLIP	-1.2939	1.2939	3.686	-2.947	0.0108	0.094524	-2.8203	29116
FAM162A	56.314	56.314	45.445	2.947	0.0108	0.094524	-2.8204	26355
KHDC1L	0.29782	0.29782	0.19464	2.9468	0.010806	0.094524	-2.8208	1E+08
ANKRD20A4- ANKRD20A20P	-0.33815	0.33815	0.21204	-2.9462	0.010818	0.09456	-2.8219	1.1E+08
CHN1	2.9287	2.9287	2.2719	2.9461	0.010821	0.09456	-2.8221	1123
NOP53-AS1	-0.29944	0.29944	0.32365	-2.9448	0.010848	0.094746	-2.8245	1.06E+08
CLIP1	20.136	20.136	31.508	2.9439	0.010868	0.09487	-2.8262	6249
TVP23C	-1.5562	1.5562	1.8115	-2.9432	0.010881	0.094876	-2.8273	201158
PAFAH1B1	8.7038	8.7038	22.143	2.9425	0.010897	0.094876	-2.8287	5048
GPR12	-0.47306	0.47306	0.26341	-2.9425	0.010898	0.094876	-2.8287	2835
GCSAM	-1.8068	1.8068	1.4939	-2.9421	0.010905	0.094876	-2.8293	257144
GALNT12	-0.50637	0.50637	0.79026	-2.9421	0.010906	0.094876	-2.8294	79695
LOC100630923	-1.2127	1.2127	2.1378	-2.9421	0.010906	0.094876	-2.8294	1.01E+08
NUTM2G	-0.86366	0.86366	1.1834	-2.9417	0.010913	0.094876	-2.83	441457
ZNF552	-0.95721	0.95721	2.8234	-2.9415	0.010918	0.094876	-2.8304	79818
MAP2	3.1915	3.1915	3.4237	2.9408	0.010934	0.094876	-2.8318	4133

PRNCR1	-0.28384	0.28384	0.23602	-2.9407	0.010935	0.094876	-2.8319	1.02E+08
ZNF471	-0.38147	0.38147	0.60589	-2.9405	0.01094	0.094876	-2.8324	57573
PARP10	-3.7747	3.7747	3.5006	-2.9404	0.010941	0.094876	-2.8324	84875
PCBD2	-0.54331	0.54331	1.6421	-2.9404	0.010941	0.094876	-2.8324	84105
FAM25C	46.751	46.751	26.228	2.94	0.010949	0.094896	-2.8331	644054
TMEM245	-1.1686	1.1686	4.7468	-2.9395	0.01096	0.094943	-2.8341	23731
ICA1L	-0.38969	0.38969	0.36944	-2.9392	0.010966	0.094947	-2.8346	130026
CAPZA1	20.745	20.745	29.819	2.9386	0.01098	0.09501	-2.8357	829
LOC103611081	-0.78733	0.78733	1.3725	-2.938	0.010992	0.09501	-2.8368	1.04E+08
SLCO4A1	3.7157	3.7157	4.5349	2.938	0.010993	0.09501	-2.8368	28231
ANKRD29	0.92071	0.92071	1.7898	2.9379	0.010996	0.09501	-2.8371	147463
MLLT11	0.70032	0.70032	0.81527	2.937	0.011016	0.095042	-2.8387	10962
PRKAG2-AS1	-0.44808	0.44808	0.39484	-2.9367	0.011021	0.095042	-2.8392	1.01E+08
VCL	10.496	10.496	24.837	2.9363	0.011029	0.095042	-2.8399	7414
DPH6	-0.52123	0.52123	0.97996	-2.9362	0.011032	0.095042	-2.8402	89978
PBX3	1.0458	1.0458	2.6391	2.9359	0.011038	0.095042	-2.8407	5090
TGFBRAP1	-1.104	1.104	3.3599	-2.9359	0.011039	0.095042	-2.8407	9392
B3GNT3	2.3725	2.3725	1.7514	2.9359	0.011039	0.095042	-2.8407	10331
EDAR	-0.5836	0.5836	0.51747	-2.9354	0.01105	0.095084	-2.8416	10913
FLJ12825	-0.32652	0.32652	0.27456	-2.9345	0.01107	0.095207	-2.8433	440101
WDR72	-0.49911	0.49911	0.3271	-2.9338	0.011084	0.095277	-2.8445	256764
ANP32AP1	-0.33216	0.33216	0.27779	-2.9325	0.011113	0.095464	-2.8469	723972
SLC26A5	-0.21668	0.21668	0.13051	-2.9323	0.011117	0.095464	-2.8472	375611
ZNF519	-0.25713	0.25713	0.27621	-2.9317	0.01113	0.095526	-2.8483	162655
EXOC5	1.6873	1.6873	3.5612	2.931	0.011145	0.095607	-2.8496	10640
LOC101241902	-0.51892	0.51892	0.44	-2.9296	0.011175	0.095819	-2.8521	1.01E+08

LOC220729	-1.2248	1.2248	3.1519	-2.9291	0.011188	0.095861	-2.8532	220729
PLEKHG2	2.4767	2.4767	3.0527	2.9287	0.011197	0.095861	-2.8539	64857
RALA	6.1777	6.1777	9.6067	2.9286	0.011197	0.095861	-2.8539	5898
NUP58	2.3528	2.3528	4.7435	2.9281	0.01121	0.095924	-2.855	9818
CYP2J2	-1.1091	1.1091	1.0921	-2.927	0.011233	0.096012	-2.8569	1573
LRFN1	-0.31096	0.31096	0.46906	-2.9268	0.011238	0.096012	-2.8573	57622
KLHL29	-0.77604	0.77604	1.5309	-2.9268	0.011238	0.096012	-2.8573	114818
OBSCN	-1.2808	1.2808	1.0697	-2.9266	0.011243	0.096012	-2.8577	84033
POM121	-2.2056	2.2056	6.3163	-2.926	0.011256	0.096024	-2.8588	9883
OSR1	-1.642	1.642	1.3102	-2.9259	0.011258	0.096024	-2.859	130497
ZNF273	-2.0017	2.0017	1.569	-2.9257	0.011261	0.096024	-2.8593	10793
FBXO30	1.5961	1.5961	3.4427	2.9245	0.01129	0.096211	-2.8616	84085
BLCAP	-4.7045	4.7045	15.496	-2.9242	0.011295	0.096211	-2.862	10904
ZBTB44	-1.321	1.321	3.4555	-2.9233	0.011316	0.096339	-2.8637	29068
ASB9P1	-0.29681	0.29681	0.2687	-2.9224	0.011335	0.096455	-2.8653	728619
C1QTNF4	-0.27916	0.27916	0.26769	-2.9213	0.01136	0.096531	-2.8673	114900
ZKSCAN8	-1.3221	1.3221	2.1711	-2.9212	0.011361	0.096531	-2.8674	7745
PMEPA1	4.9286	4.9286	7.4848	2.9211	0.011365	0.096531	-2.8678	56937
TSR2	-1.4865	1.4865	3.5265	-2.9205	0.011378	0.096531	-2.8689	90121
ZNF76	-1.3041	1.3041	2.9351	-2.9202	0.011385	0.096531	-2.8694	7629
CAP1	41.451	41.451	47.388	2.9199	0.01139	0.096531	-2.8698	10487
ARPC2	66.76	66.76	102.96	2.9198	0.011392	0.096531	-2.87	10109
LOC654780	-0.35135	0.35135	0.45746	-2.9198	0.011392	0.096531	-2.87	654780
PDCD6IP	7.8062	7.8062	14.743	2.9197	0.011396	0.096531	-2.8703	10015
CD58	1.4578	1.4578	3.4017	2.9194	0.011401	0.096531	-2.8707	965
FBLN2	-13.938	13.938	18.247	-2.9191	0.011409	0.096547	-2.8713	2199

LOC101928731	-0.4692	0.4692	0.57534	-2.9183	0.011426	0.096647	-2.8728	1.02E+08
B3GNT2	5.3245	5.3245	5.7423	2.9175	0.011444	0.096754	-2.8743	10678
GIT1	-3.3704	3.3704	7.5018	-2.9163	0.011471	0.096791	-2.8764	28964
ARPP19	7.6711	7.6711	12.851	2.9162	0.011474	0.096791	-2.8766	10776
PRB2	-0.31715	0.31715	0.19857	-2.916	0.011477	0.096791	-2.8769	653247
HYKK	-0.20307	0.20307	0.25578	-2.9157	0.011485	0.096791	-2.8775	123688
PLOD2	3.6159	3.6159	3.5656	2.9152	0.011495	0.096791	-2.8784	5352
TTC5	-1.0238	1.0238	2.7365	-2.915	0.0115	0.096791	-2.8787	91875
ZBTB20-AS4	-0.4917	0.4917	0.4264	-2.915	0.011501	0.096791	-2.8789	1.01E+08
SCGB1B2P	-7.4957	7.4957	4.3339	-2.9149	0.011504	0.096791	-2.8791	643719
PRELID1	52.534	52.534	62.907	2.9144	0.011514	0.096791	-2.8799	27166
CDS1	6.0409	6.0409	7.3183	2.9143	0.011517	0.096791	-2.8801	1040
TGFBR1	4.5333	4.5333	7.4442	2.9141	0.011522	0.096791	-2.8805	7046
PRODH	-4.0637	4.0637	4.1437	-2.9137	0.011529	0.096791	-2.8811	5625
NDUFA10	-1.3257	1.3257	4.2391	-2.9137	0.01153	0.096791	-2.8812	4705
TNFRSF19	-5.9697	5.9697	6.6245	-2.9136	0.011533	0.096791	-2.8814	55504
PROX2	-0.26223	0.26223	0.27689	-2.9134	0.011537	0.096791	-2.8817	283571
TRIM16	12.438	12.438	15.814	2.9126	0.011554	0.096791	-2.8831	10626
LINC00869	-0.34121	0.34121	0.55502	-2.9126	0.011555	0.096791	-2.8832	57234
STT3B	7.2742	7.2742	15.018	2.9125	0.011556	0.096791	-2.8833	201595
PPP4R1	20.295	20.295	26.026	2.9125	0.011558	0.096791	-2.8834	9989
HOXA10-AS	-0.65646	0.65646	1.3965	-2.912	0.011568	0.096827	-2.8842	1.01E+08
TRIM13	0.89299	0.89299	2.9444	2.9115	0.01158	0.096878	-2.8852	10206
CNTFR	-0.71418	0.71418	0.58549	-2.911	0.011591	0.096881	-2.8861	1271
LTO1	-0.78228	0.78228	2.5939	-2.9108	0.011596	0.096881	-2.8864	220064
ZNF564	-1.0636	1.0636	2.13	-2.9104	0.011606	0.096881	-2.8873	163050

ANKHD1	-2.1988	2.1988	5.2929	-2.9103	0.011607	0.096881	-2.8873	54882
BBS9	-0.67924	0.67924	1.5804	-2.91	0.011615	0.096881	-2.888	27241
KRT16P1	1.2636	1.2636	1.0123	2.9098	0.011618	0.096881	-2.8883	729252
GASAL1	0.56452	0.56452	0.80629	2.9097	0.01162	0.096881	-2.8884	401472
IRAIN	-0.3906	0.3906	0.36951	-2.9092	0.011633	0.096921	-2.8894	1.04E+08
SNTB1	-1.2089	1.2089	2.0335	-2.9088	0.011642	0.096921	-2.8901	6641
HIGD1A	18.266	18.266	20.478	2.9087	0.011643	0.096921	-2.8903	25994
NDUFB2-AS1	-0.24068	0.24068	0.37742	-2.9085	0.011648	0.096921	-2.8906	1E+08
CD5	-0.53636	0.53636	0.76264	-2.9081	0.011657	0.096951	-2.8914	921
ARMCX4	-0.31243	0.31243	0.44055	-2.907	0.011683	0.097075	-2.8935	1E+08
MUC20	-1.535	1.535	1.143	-2.9066	0.011692	0.097075	-2.8942	200958
PJK	-0.25981	0.25981	0.31687	-2.9064	0.011696	0.097075	-2.8945	494513
FAM166B	-0.25492	0.25492	0.19941	-2.9063	0.011698	0.097075	-2.8946	730112
FBXW2	-0.96459	0.96459	5.1761	-2.9062	0.011702	0.097075	-2.8949	26190
MRS2P2	-0.35396	0.35396	0.39628	-2.906	0.011707	0.097075	-2.8953	729633
TMEM9B-AS1	-0.97207	0.97207	1.4297	-2.9057	0.011713	0.09708	-2.8958	493900
ZNF326	-0.89351	0.89351	1.5626	-2.9053	0.011722	0.097107	-2.8965	284695
GNAI3	8.9693	8.9693	14.485	2.9049	0.011731	0.097136	-2.8973	2773
DAPP1	1.9554	1.9554	3.3017	2.9042	0.011746	0.097212	-2.8984	27071
NIPA2	2.4541	2.4541	3.9919	2.9035	0.011764	0.09726	-2.8998	81614
BDH1	3.9971	3.9971	6.0815	2.9035	0.011764	0.09726	-2.8998	622
MIR4435-2HG	1.457	1.457	1.5467	2.9032	0.01177	0.097266	-2.9003	541471
COL4A1	56.976	56.976	52.626	2.9025	0.011786	0.097322	-2.9015	1282
PLAUR	8.6848	8.6848	7.0265	2.9023	0.011792	0.097322	-2.902	5329
EPHX2	-4.3978	4.3978	4.9648	-2.9021	0.011796	0.097322	-2.9024	2053
TAPT1-AS1	-0.68914	0.68914	0.67057	-2.9019	0.0118	0.097322	-2.9027	202020

YBX2	-0.30179	0.30179	0.18621	-2.9014	0.011811	0.097337	-2.9035	51087
RAVER2	-0.79357	0.79357	1.6429	-2.9013	0.011813	0.097337	-2.9037	55225
MIR4697HG	-0.38281	0.38281	0.35237	-2.9009	0.011823	0.097366	-2.9045	283174
HOXC5	-0.44222	0.44222	0.60589	-2.9006	0.011831	0.097381	-2.9051	3222
ATXN1	1.5205	1.5205	4.2285	2.9004	0.011836	0.097381	-2.9055	6310
FAM185A	-0.61612	0.61612	1.2681	-2.8991	0.011865	0.097574	-2.9078	222234
ZNF169	-0.25745	0.25745	0.41484	-2.8988	0.011872	0.097579	-2.9083	169841
SLC2A11	-0.27687	0.27687	0.38473	-2.898	0.01189	0.097687	-2.9098	66035
DHX58	-1.4573	1.4573	1.5136	-2.8975	0.011901	0.097706	-2.9106	79132
FER1L6	0.30489	0.30489	0.17833	2.8969	0.011916	0.097706	-2.9118	654463
LOC100133331	-0.61167	0.61167	1.0141	-2.8968	0.011918	0.097706	-2.912	1E+08
EIF4EBP1	22.112	22.112	20.893	2.8965	0.011927	0.097706	-2.9126	1978
CLDN4	37.864	37.864	35.681	2.8965	0.011927	0.097706	-2.9126	1364
POLR3E	-1.3208	1.3208	4.4839	-2.8962	0.011932	0.097706	-2.913	55718
ADD3	-3.4739	3.4739	5.1093	-2.8962	0.011933	0.097706	-2.9131	120
RFK	1.2128	1.2128	1.704	2.895	0.011962	0.097892	-2.9153	55312
HERC2P9	-2.3929	2.3929	3.27	-2.8946	0.011971	0.097916	-2.916	440248
TYRO3P	-0.71669	0.71669	0.83311	-2.8938	0.011989	0.098017	-2.9174	7302
CLTC	12.565	12.565	28.359	2.8932	0.012002	0.098061	-2.9185	1213
CTSW	-0.37396	0.37396	0.44741	-2.8929	0.012011	0.098061	-2.9191	1521
ZNF248	-0.41688	0.41688	0.72215	-2.8925	0.01202	0.098061	-2.9198	57209
MUTYH	-0.48233	0.48233	1.3634	-2.8924	0.012022	0.098061	-2.92	4595
GPR155	-0.98633	0.98633	2.2477	-2.8924	0.012023	0.098061	-2.9201	151556
GHRL	-0.45718	0.45718	0.57623	-2.8919	0.012033	0.098092	-2.9208	51738
GDPD3	12.753	12.753	10.912	2.8905	0.012068	0.098331	-2.9235	79153
SLAMF7	6.256	6.256	4.3355	2.8899	0.012081	0.098355	-2.9246	57823

ICMT	5.4934	5.4934	10.748	2.8897	0.012086	0.098355	-2.9249	23463
CYB5RL	-0.36248	0.36248	0.56114	-2.8896	0.012088	0.098355	-2.9251	606495
INO80	-0.91277	0.91277	4.409	-2.8888	0.012108	0.098466	-2.9266	54617
LOC101928988	-0.49066	0.49066	0.31036	-2.8879	0.012128	0.098544	-2.9281	1.02E+08
PGM2	12.138	12.138	17.641	2.8879	0.012129	0.098544	-2.9282	55276
AQP11	-0.36787	0.36787	0.49464	-2.8875	0.012138	0.09857	-2.9289	282679
LINC00115	-0.96801	0.96801	1.6308	-2.8868	0.012154	0.098655	-2.9302	79854
PDCL3P4	-0.21546	0.21546	0.14422	-2.8856	0.012182	0.098808	-2.9323	285359
AVIL	-0.36892	0.36892	0.64459	-2.8855	0.012185	0.098808	-2.9325	10677
AOC1	-0.3236	0.3236	0.43757	-2.885	0.012197	0.09886	-2.9334	26
RAP2C-AS1	-0.33679	0.33679	0.45293	-2.8848	0.012203	0.098863	-2.9339	1.02E+08
GRTP1-AS1	-0.39858	0.39858	0.34928	-2.8844	0.012213	0.098893	-2.9346	1.01E+08
PKD1	-7.7291	7.7291	10.032	-2.8832	0.01224	0.099039	-2.9366	5310
TMEM265	1.7013	1.7013	3.664	2.883	0.012246	0.099039	-2.9372	1.01E+08
DCPS	-0.92043	0.92043	1.6799	-2.8827	0.012252	0.099039	-2.9376	28960
PHF7	-0.51802	0.51802	1.2053	-2.8826	0.012255	0.099039	-2.9378	51533
GMPR	-1.7759	1.7759	1.3602	-2.8821	0.012268	0.099101	-2.9388	2766
NDUFA4L2	77.159	77.159	86.73	2.8813	0.012286	0.099196	-2.9401	56901
TAS2R14	-0.43102	0.43102	0.50018	-2.8805	0.012305	0.099197	-2.9416	50840
PHOSPHO2	-0.25659	0.25659	0.49494	-2.8804	0.012308	0.099197	-2.9418	493911
MTHFD2	6.4755	6.4755	7.074	2.8802	0.012314	0.099197	-2.9423	10797
SLMAP	1.8971	1.8971	5.2233	2.88	0.012317	0.099197	-2.9425	7871
CBL	1.4889	1.4889	4.4153	2.88	0.012317	0.099197	-2.9425	867
RNF216	-1.4014	1.4014	4.8867	-2.8796	0.012326	0.099197	-2.9432	54476
NUTM2D	-1.1002	1.1002	1.4878	-2.8796	0.012327	0.099197	-2.9432	728130
CGRRF1	0.84285	0.84285	1.4332	2.8789	0.012344	0.099284	-2.9445	10668

LOC93622	-1.0979	1.0979	1.9166	-2.8786	0.012352	0.099289	-2.9452	93622
SMAD5-AS1	-0.39646	0.39646	0.56446	-2.8784	0.012357	0.099289	-2.9455	9597
RAB40B	-0.94954	0.94954	2.4117	-2.8782	0.012362	0.099289	-2.9459	10966
DCST1	-0.22963	0.22963	0.18797	-2.8778	0.012372	0.099289	-2.9466	149095
MAP3K1	-3.2965	3.2965	7.8335	-2.8777	0.012374	0.099289	-2.9468	4214
SCEL-AS1	-0.25082	0.25082	0.21529	-2.877	0.01239	0.099353	-2.948	1.04E+08
LDLRAD4-AS1	-0.42598	0.42598	0.3385	-2.8767	0.012397	0.099353	-2.9485	1E+08
DIO3	-0.4264	0.4264	0.25146	-2.8765	0.012402	0.099353	-2.9489	1735
MACO1	4.1469	4.1469	6.3845	2.8764	0.012405	0.099353	-2.9491	55219
LOC100190986	-28.862	28.862	32.927	-2.876	0.012415	0.099371	-2.9499	1E+08
SFRP1	-14.154	14.154	17.289	-2.8758	0.012419	0.099371	-2.9502	6422
LNX2	2.0035	2.0035	3.7553	2.8747	0.012445	0.099442	-2.9521	222484
PARP6	-2.125	2.125	6.0453	-2.8747	0.012446	0.099442	-2.9522	56965
NAPA-AS1	-0.28566	0.28566	0.45977	-2.8747	0.012446	0.099442	-2.9522	1.01E+08
ECT2	1.9837	1.9837	2.0841	2.8745	0.012452	0.099442	-2.9526	1894
SCART1	-0.53801	0.53801	0.53895	-2.8739	0.012465	0.099452	-2.9536	619207
LOC100507373	-0.56264	0.56264	0.87003	-2.8739	0.012466	0.099452	-2.9536	1.01E+08
CLDN2	-0.318	0.318	0.24899	-2.8737	0.012471	0.099452	-2.954	9075
TFAP2A-AS2	-0.84504	0.84504	1.2509	-2.8726	0.012497	0.099517	-2.9559	1.1E+08
ZNF665	-0.19672	0.19672	0.20553	-2.8725	0.012499	0.099517	-2.9561	79788
MYOC	-0.61817	0.61817	0.32969	-2.8722	0.012507	0.099517	-2.9567	4653
RETREG2	-3.6586	3.6586	8.7112	-2.8722	0.012508	0.099517	-2.9568	79137
KDM6A	-0.89914	0.89914	4.2375	-2.8722	0.012508	0.099517	-2.9568	7403
ATP13A5	-0.65684	0.65684	0.36551	-2.8712	0.012531	0.099653	-2.9585	344905
LOC101928042	-0.49341	0.49341	0.46196	-2.8709	0.012539	0.099656	-2.9591	1.02E+08
LINC01876	-0.51437	0.51437	0.49073	-2.8707	0.012543	0.099656	-2.9594	1.02E+08

PRELP	-5.3434	5.3434	4.4228	-2.8704	0.01255	0.099666	-2.9599	5549
MYO1E	7.9712	7.9712	14.689	2.8694	0.012576	0.099808	-2.9618	4643
ARHGGEF26	-1.7065	1.7065	1.595	-2.8692	0.01258	0.099808	-2.9621	26084
ST7-AS1	-0.33294	0.33294	0.52283	-2.8686	0.012596	0.099887	-2.9633	93653
MORN3	-0.30374	0.30374	0.32115	-2.868	0.01261	0.099953	-2.9643	283385
LIMS1	3.7744	3.7744	6.7973	2.8666	0.012645	0.10013	-2.9669	3987
ZNF483	-0.33337	0.33337	0.3791	-2.8665	0.012647	0.10013	-2.967	158399
ITGAV	9.9588	9.9588	16.457	2.8664	0.01265	0.10013	-2.9673	3685
LINC01422	-0.29848	0.29848	0.1787	-2.8659	0.012664	0.10016	-2.9683	1.02E+08
MTMR8	-0.25343	0.25343	0.32393	-2.8656	0.012671	0.10016	-2.9688	55613
LOC91370	-0.23589	0.23589	0.15896	-2.8655	0.012672	0.10016	-2.9689	91370
HOXC6	-1.3613	1.3613	2.0843	-2.8653	0.012679	0.10017	-2.9694	3223
MOB4	2.5455	2.5455	4.7398	2.8645	0.012697	0.10026	-2.9707	25843
SLCO2A1	6.5238	6.5238	7.5308	2.8643	0.012703	0.10027	-2.9712	6578
MFSD13A	-0.72192	0.72192	1.1161	-2.864	0.01271	0.10027	-2.9717	79847
SNORA50C	-0.77822	0.77822	1.2449	-2.8629	0.012738	0.10045	-2.9737	677842
KLF10	7.4664	7.4664	19.886	2.861	0.012786	0.10077	-2.9771	7071
MTMR6	1.5121	1.5121	3.3673	2.8604	0.012799	0.10084	-2.9782	9107
LINC01873	-21.968	21.968	41.531	-2.8601	0.012808	0.10085	-2.9788	729348
SYT2	-0.25882	0.25882	0.31018	-2.8599	0.012813	0.10085	-2.9792	127833
C3orf36	0.91323	0.91323	0.62266	2.8589	0.012837	0.10099	-2.9809	80111
LOC105373064	-0.37563	0.37563	0.3809	-2.8579	0.012862	0.10114	-2.9827	1.05E+08
TOR1AIP1	4.035	4.035	7.8596	2.8575	0.012874	0.10119	-2.9835	26092
LIG4	1.3453	1.3453	1.5718	2.8565	0.012897	0.1013	-2.9852	3981
ZBTB8OS	1.7113	1.7113	2.6462	2.8564	0.012901	0.1013	-2.9855	339487
MPV17L	-0.75335	0.75335	0.61261	-2.8557	0.012918	0.10134	-2.9867	255027

FCHO2	1.854	1.854	4.6707	2.8554	0.012925	0.10134	-2.9872	115548
ZNF528	-0.6614	0.6614	1.0459	-2.8553	0.012929	0.10134	-2.9875	84436
FAM27E3	-0.52587	0.52587	0.43856	-2.8553	0.012929	0.10134	-2.9875	1E+08
CLIC3	46.552	46.552	45.911	2.855	0.012937	0.10135	-2.9881	9022
RAB5A	17.677	17.677	21.942	2.8546	0.012945	0.10137	-2.9887	5868
RBM20	-0.2116	0.2116	0.16409	-2.854	0.012962	0.1014	-2.9899	282996
TNFRSF11B	1.3102	1.3102	0.84518	2.8538	0.012966	0.1014	-2.9902	4982
BLZF1	3.1238	3.1238	4.4534	2.8538	0.012967	0.1014	-2.9902	8548
NRON	-0.27894	0.27894	0.25555	-2.8534	0.012976	0.10143	-2.9909	641373
MIR503HG	0.32784	0.32784	0.25293	2.8527	0.012995	0.10147	-2.9922	84848
LOC100288162	-1.0754	1.0754	1.1632	-2.8526	0.012997	0.10147	-2.9923	1E+08
TRIM63	-0.23122	0.23122	0.21233	-2.8525	0.013	0.10147	-2.9926	84676
YWHAQ	55.492	55.492	64.79	2.8519	0.013014	0.10154	-2.9936	10971
FBLN5	-5.4813	5.4813	7.3083	-2.8514	0.013028	0.10159	-2.9946	10516
ANGPTL5	-0.45105	0.45105	0.25873	-2.8511	0.013034	0.10159	-2.995	253935
MAPK3	21.571	21.571	30.376	2.8504	0.013053	0.10161	-2.9964	5595
HM13	6.2711	6.2711	11.693	2.8501	0.01306	0.10161	-2.9968	81502
TSG101	8.8681	8.8681	15.749	2.85	0.013063	0.10161	-2.9971	7251
MITF	-0.86375	0.86375	1.2494	-2.8499	0.013066	0.10161	-2.9973	4286
STK26	1.9617	1.9617	2.3434	2.8499	0.013066	0.10161	-2.9973	51765
ASB16-AS1	-0.58678	0.58678	1.1027	-2.8493	0.01308	0.10167	-2.9983	339201
LOC284009	-0.33189	0.33189	0.33718	-2.8488	0.013093	0.10168	-2.9992	284009
AKR7A3	-0.46993	0.46993	0.51224	-2.8488	0.013093	0.10168	-2.9992	22977
DYRK2	1.0183	1.0183	3.7602	2.8483	0.013105	0.10171	-3.0001	8445
ZFP92	0.24716	0.24716	0.27242	2.8482	0.013109	0.10171	-3.0003	139735
RAB10	21.529	21.529	36.193	2.8477	0.013123	0.10177	-3.0013	10890

ACOT7	5.984	5.984	6.6433	2.8469	0.013144	0.10189	-3.0028	11332
LYPD2	-3.0697	3.0697	2.1662	-2.8465	0.013153	0.10191	-3.0034	137797
SLC22A20P	-0.18092	0.18092	0.18055	-2.8456	0.013176	0.10202	-3.005	440044
METRNL	32.541	32.541	44.761	2.8454	0.013182	0.10202	-3.0054	284207
HACL1	-0.78409	0.78409	2.4474	-2.8451	0.013189	0.10202	-3.006	26061
ZMAT5	11.429	11.429	9.5856	2.845	0.013191	0.10202	-3.0061	55954
ZNF540	-0.26987	0.26987	0.263	-2.8443	0.013209	0.10211	-3.0074	163255
KLF6	14.157	14.157	33.285	2.8429	0.013246	0.10234	-3.0099	1316
SELENOS	5.182	5.182	8.8858	2.8427	0.013251	0.10234	-3.0103	55829
SNORA7B	-1.3421	1.3421	1.5248	-2.842	0.013268	0.10241	-3.0115	677797
FGFBP1	50.805	50.805	42.789	2.8419	0.013272	0.10241	-3.0118	9982
ENPEP	2.1873	2.1873	1.333	2.8411	0.013292	0.10247	-3.0131	2028
LIN54	0.81754	0.81754	2.077	2.8409	0.013297	0.10247	-3.0135	132660
CTTNBP2	-0.43774	0.43774	0.61426	-2.8409	0.013298	0.10247	-3.0136	83992
LOC100506472	-0.31211	0.31211	0.32525	-2.8401	0.013319	0.10257	-3.0151	1.01E+08
GSTA3	-0.79321	0.79321	0.44938	-2.8399	0.013323	0.10257	-3.0153	2940
TAS2R13	-0.26286	0.26286	0.28659	-2.8396	0.013331	0.10258	-3.0159	50838
PPP1R15A	10.072	10.072	23.405	2.8394	0.013337	0.10258	-3.0163	23645
FUT1	1.4654	1.4654	2.1507	2.8386	0.013357	0.10264	-3.0177	2523
FANCF	-0.52407	0.52407	1.2785	-2.8386	0.013357	0.10264	-3.0177	2188
RPH3AL	-0.6738	0.6738	1.0271	-2.8384	0.013363	0.10264	-3.0181	9501
NAALADL2	-0.42541	0.42541	0.42701	-2.8376	0.013385	0.10273	-3.0196	254827
UNK	-1.4656	1.4656	4.44	-2.8375	0.013386	0.10273	-3.0197	85451
MORN1	-0.50999	0.50999	0.64792	-2.8367	0.013408	0.10285	-3.0212	79906
TMPPE	-0.86267	0.86267	2.1901	-2.8364	0.013416	0.10286	-3.0218	643853
PYROXD1	1.0076	1.0076	1.9293	2.8357	0.013435	0.10296	-3.0231	79912

LOC107984035	-0.58695	0.58695	1.0538	-2.8353	0.013445	0.10299	-3.0238	1.08E+08
APOBEC3A	2.8898	2.8898	2.9799	2.835	0.013451	0.10299	-3.0242	200315
TSPY26P	-0.30173	0.30173	0.43832	-2.8344	0.013469	0.10307	-3.0254	128854
MLXIPL	-0.28895	0.28895	0.16313	-2.834	0.013479	0.10307	-3.0261	51085
MELTF-AS1	-0.47352	0.47352	0.44325	-2.8338	0.013484	0.10307	-3.0265	1.01E+08
DNTTIP2	4.6593	4.6593	8.3769	2.8337	0.013486	0.10307	-3.0266	30836
ERRFI1	13.036	13.036	14.755	2.8322	0.013525	0.10326	-3.0293	54206
N4BP2L2-IT2	-1.7801	1.7801	1.8475	-2.8322	0.013527	0.10326	-3.0294	116828
NPHP3	-0.70294	0.70294	1.7133	-2.8321	0.013529	0.10326	-3.0296	27031
THAP7-AS1	-0.30045	0.30045	0.4458	-2.8316	0.013542	0.10331	-3.0304	439931
TUBG1	6.0232	6.0232	10.004	2.8311	0.013556	0.10334	-3.0314	7283
CGB7	-0.31687	0.31687	0.30482	-2.8309	0.013561	0.10334	-3.0317	94027
TUT4	-1.5653	1.5653	3.7061	-2.8307	0.013566	0.10334	-3.0321	23318
RERE	-3.8984	3.8984	7.4901	-2.8304	0.013575	0.10334	-3.0327	473
ESRRG	-0.31915	0.31915	0.17181	-2.8302	0.013579	0.10334	-3.0329	2104
SLC47A1	-0.56385	0.56385	0.62265	-2.8301	0.013582	0.10334	-3.0332	55244
COL9A2	-0.92074	0.92074	0.75309	-2.8296	0.013596	0.10339	-3.0341	1298
ZNF473	0.48557	0.48557	1.2376	2.8294	0.013602	0.10339	-3.0345	25888
TMOD1	-0.97782	0.97782	0.81178	-2.8289	0.013614	0.10343	-3.0353	7111
TBC1D5	-1.6474	1.6474	3.787	-2.8287	0.013619	0.10343	-3.0357	9779
FYTTD1	3.6024	3.6024	8.5588	2.8283	0.01363	0.10347	-3.0364	84248
PTHLH	32.22	32.22	15.524	2.8276	0.013648	0.10353	-3.0377	5744
ERFE	0.62598	0.62598	0.45093	2.8275	0.01365	0.10353	-3.0378	151176
SEPSECS-AS1	-0.21326	0.21326	0.20334	-2.8272	0.01366	0.10354	-3.0385	285540
LINC01106	-0.75775	0.75775	1.1975	-2.8269	0.013667	0.10354	-3.0389	151009
DHX32	5.6646	5.6646	9.0084	2.8267	0.013672	0.10354	-3.0393	55760

C18orf15	-0.30954	0.30954	0.25283	-2.8266	0.013676	0.10354	-3.0396	147276
ATP6V1B1-AS1	-0.50697	0.50697	0.29072	-2.8261	0.013689	0.10356	-3.0405	1.02E+08
TSC22D3	-8.0006	8.0006	9.5675	-2.826	0.013691	0.10356	-3.0406	1831
LOC155060	-0.71466	0.71466	0.90125	-2.8256	0.013701	0.10359	-3.0413	155060
LINC02043	-14.372	14.372	30.21	-2.8247	0.013727	0.10374	-3.043	1.03E+08
NRG1	2.5882	2.5882	2.5561	2.8237	0.013753	0.10389	-3.0448	3084
GEMIN4	-2.178	2.178	5.0846	-2.8227	0.013779	0.10403	-3.0465	50628
FLJ42627	-0.67836	0.67836	1.5726	-2.8223	0.01379	0.10403	-3.0473	645644
WASHC4	2.6338	2.6338	6.1647	2.8223	0.01379	0.10403	-3.0473	23325
MMP28	-2.4051	2.4051	3.2206	-2.8217	0.013808	0.10412	-3.0484	79148
SEC24D	5.5985	5.5985	7.5518	2.8205	0.01384	0.10431	-3.0506	9871
RNFT1	0.86238	0.86238	2.2046	2.8198	0.013859	0.10441	-3.0519	51136
PPP1R2	3.9	3.9	6.2888	2.8191	0.013876	0.10449	-3.053	5504
RIT1	2.6545	2.6545	4.6286	2.8184	0.013897	0.1046	-3.0544	6016
BCAS3	-1.3247	1.3247	3.834	-2.8173	0.013926	0.10473	-3.0563	54828
FAM95C	-0.48524	0.48524	0.37178	-2.8173	0.013926	0.10473	-3.0564	1E+08
NMD3	2.5845	2.5845	5.715	2.8159	0.013964	0.10497	-3.0589	51068
ZBTB40	-0.94813	0.94813	2.4638	-2.8156	0.013973	0.10499	-3.0594	9923
FBXO44	-1.6336	1.6336	2.2424	-2.8153	0.013981	0.105	-3.06	93611
MIR570HG	-1.869	1.869	2.2426	-2.8149	0.013992	0.10504	-3.0607	440993
MSANTD3	3.6826	3.6826	4.4694	2.8146	0.014001	0.10506	-3.0613	91283
P2RY4	-0.45311	0.45311	0.30752	-2.8143	0.014009	0.10506	-3.0618	5030
SUFU	-1.6891	1.6891	3.991	-2.8138	0.01402	0.10506	-3.0626	51684
DLG2	-0.77701	0.77701	0.62447	-2.8137	0.014025	0.10506	-3.0629	1740
LOC284412	-2.0171	2.0171	1.7021	-2.8134	0.014032	0.10506	-3.0633	284412
LOC100129917	-1.8513	1.8513	2.3231	-2.8134	0.014032	0.10506	-3.0634	1E+08

KLHL26	-0.634	0.634	1.159	-2.8124	0.014061	0.10523	-3.0653	55295
UBE2J1	3.9335	3.9335	7.8351	2.8112	0.014093	0.10537	-3.0674	51465
SBDS	14.912	14.912	25.662	2.8111	0.014095	0.10537	-3.0675	51119
HDHD5-AS1	-0.33373	0.33373	0.23124	-2.8109	0.014102	0.10537	-3.068	1E+08
DIS3L	-1.0478	1.0478	2.1956	-2.8106	0.014109	0.10537	-3.0684	115752
PRPF3	-1.6139	1.6139	6.9582	-2.8105	0.014111	0.10537	-3.0686	9129
JMJD6	0.62936	0.62936	1.4752	2.8099	0.01413	0.10546	-3.0698	23210
IL7	-0.74201	0.74201	0.87666	-2.8089	0.014156	0.10558	-3.0715	3574
NRIP3	0.70262	0.70262	0.72069	2.8089	0.014158	0.10558	-3.0716	56675
USP31	-1.17	1.17	3.0803	-2.8078	0.014187	0.10575	-3.0735	57478
TRIM2	-0.87867	0.87867	2.199	-2.8071	0.014205	0.10582	-3.0747	23321
C2orf92	-0.22026	0.22026	0.22731	-2.8068	0.014214	0.10582	-3.0753	728537
NOM1	-0.69401	0.69401	1.8733	-2.8066	0.014221	0.10582	-3.0757	64434
ITGB8	-1.5466	1.5466	3.0473	-2.8065	0.014224	0.10582	-3.0759	3696
RTTN	-0.66285	0.66285	1.309	-2.8063	0.014228	0.10582	-3.0762	25914
SNX14	1.9609	1.9609	4.8432	2.8061	0.014234	0.10582	-3.0766	57231
KIAA1549	-0.28458	0.28458	0.35678	-2.805	0.014266	0.10601	-3.0787	57670
TRMT9B	-0.23245	0.23245	0.38698	-2.8042	0.014287	0.10607	-3.0801	57604
FGF14-AS2	-0.44575	0.44575	0.50996	-2.8039	0.014296	0.10607	-3.0806	283481
SKI	-4.9592	4.9592	14.635	-2.8035	0.014306	0.10607	-3.0813	6497
NUMA1	-9.4431	9.4431	19.254	-2.8035	0.014307	0.10607	-3.0813	4926
ADAMTS12	2.9344	2.9344	2.28	2.8032	0.014315	0.10607	-3.0819	81792
DSC2	301.17	301.17	190.71	2.8032	0.014316	0.10607	-3.0819	1824
ZNF154	-0.71956	0.71956	0.82742	-2.8031	0.014318	0.10607	-3.082	7710
FGFBP2	-1.7124	1.7124	0.92161	-2.8027	0.014329	0.1061	-3.0827	83888
KRT6A	4906.6	4906.6	3930.7	2.8024	0.014337	0.10612	-3.0833	3853

TRAPPC12	-3.0758	3.0758	8.0395	-2.8012	0.014372	0.10633	-3.0856	51112
ARNTL	-1.0713	1.0713	1.8641	-2.8	0.014406	0.10654	-3.0877	406
UBE2D3	10.297	10.297	20.456	2.7997	0.014413	0.10654	-3.0882	7323
GABRE	-2.8884	2.8884	4.7728	-2.7992	0.014427	0.10656	-3.0891	2564
FOLR1	-0.3086	0.3086	0.18786	-2.7992	0.014428	0.10656	-3.0891	2348
EPN2	-3.5314	3.5314	9.6148	-2.7989	0.014436	0.10657	-3.0896	22905
PRDM11	-0.26831	0.26831	0.58834	-2.7982	0.014455	0.10664	-3.0909	56981
NEMP1	-0.74609	0.74609	1.7044	-2.7981	0.014458	0.10664	-3.091	23306
SH3BP5-AS1	-1.9635	1.9635	2.2988	-2.7976	0.014472	0.10665	-3.0919	1.01E+08
KCNK12	0.56403	0.56403	0.57406	2.7976	0.014472	0.10665	-3.092	56660
PIK3C2G	-3.8149	3.8149	3.1479	-2.7965	0.014505	0.10684	-3.094	5288
C8orf76	1.4938	1.4938	2.598	2.796	0.014518	0.1069	-3.0949	84933
SLC30A4	0.57031	0.57031	1.7769	2.7951	0.014542	0.10702	-3.0964	7782
SUGT1P4-STRA6LP- CCDC180	-0.2965	0.2965	0.29237	-2.7943	0.014565	0.10714	-3.0979	57653
LINC00960	0.71936	0.71936	0.81863	2.7936	0.014585	0.10725	-3.0991	401074
PRO1804	-0.4629	0.4629	0.52081	-2.7924	0.014621	0.10747	-3.1014	1E+08
FBN2	2.7751	2.7751	1.7248	2.7915	0.014645	0.10757	-3.1029	2201
TMEM41B	1.4924	1.4924	4.1048	2.7914	0.014648	0.10757	-3.1031	440026
DCD	-230.13	230.13	123.04	-2.7906	0.014671	0.10764	-3.1046	117159
LINC01921	-0.23238	0.23238	0.12394	-2.7905	0.014675	0.10764	-3.1048	1.02E+08
CDAN1	-0.79541	0.79541	1.5997	-2.7904	0.014677	0.10764	-3.105	146059
CCDC146	-1.0491	1.0491	1.0829	-2.7899	0.014691	0.10769	-3.1058	57639
CDC42SE1	13.844	13.844	29.067	2.7898	0.014696	0.10769	-3.1062	56882
ZNF431	0.63711	0.63711	1.7138	2.7895	0.014703	0.10769	-3.1066	170959
CLCC1	-1.1787	1.1787	3.4805	-2.7885	0.014732	0.10786	-3.1084	23155

LCAT	-1.4029	1.4029	2.7642	-2.7881	0.014743	0.10789	-3.1091	3931
HCCS	1.8231	1.8231	3.804	2.7876	0.014757	0.10795	-3.11	3052
KCNK1	2.0492	2.0492	3.4181	2.7873	0.014767	0.10797	-3.1106	3775
SNORA80B	0.5623	0.5623	0.32544	2.7871	0.014774	0.10798	-3.111	1E+08
KYAT1	-0.28811	0.28811	0.44688	-2.786	0.014803	0.10812	-3.1129	883
NSUN5P2	-1.5048	1.5048	1.5437	-2.7859	0.014806	0.10812	-3.113	260294
TAC4	-0.39094	0.39094	0.41938	-2.7855	0.014818	0.10816	-3.1138	255061
CSDC2	-0.30465	0.30465	0.26194	-2.7842	0.014856	0.10836	-3.1162	27254
ZNF383	-0.44664	0.44664	1.0434	-2.7841	0.014859	0.10836	-3.1163	163087
WIPF3	-0.24584	0.24584	0.29113	-2.7837	0.014872	0.10841	-3.1172	644150
LINC00342	-2.3779	2.3779	2.6801	-2.7825	0.014904	0.1086	-3.1192	150759
FAM87B	-0.49574	0.49574	0.85586	-2.7819	0.014923	0.10865	-3.1204	400728
CWH43	13.511	13.511	17.156	2.7817	0.014929	0.10865	-3.1207	80157
GUCA1B	-0.30084	0.30084	0.41062	-2.7813	0.014941	0.10865	-3.1214	2979
ZNF793	-0.26509	0.26509	0.41215	-2.7813	0.014942	0.10865	-3.1215	390927
FAM205A	-0.20038	0.20038	0.14851	-2.7811	0.014947	0.10865	-3.1218	259308
IFT140	-1.033	1.033	1.5569	-2.781	0.014949	0.10865	-3.122	9742
LRP5L	-0.36693	0.36693	0.65334	-2.7805	0.014964	0.10866	-3.1229	91355
LOC606724	-0.36334	0.36334	0.50403	-2.7805	0.014964	0.10866	-3.1229	606724
LOC100129148	-0.39414	0.39414	0.38153	-2.7801	0.014976	0.10867	-3.1236	1E+08
MIR762HG	-0.27044	0.27044	0.65974	-2.78	0.014979	0.10867	-3.1238	1.02E+08
BRK1	21.299	21.299	36.25	2.7772	0.01506	0.10922	-3.1288	55845
MLYCD	-0.70676	0.70676	1.6462	-2.7769	0.01507	0.10925	-3.1294	23417
TENT5A	-1.5553	1.5553	4.0771	-2.7765	0.015081	0.10925	-3.1301	55603
CREBZF	-1.3607	1.3607	3.4067	-2.7764	0.015085	0.10925	-3.1303	58487
NAT10	-2.8017	2.8017	6.3719	-2.776	0.015095	0.10925	-3.1309	55226

LONRF2	-0.25845	0.25845	0.15386	-2.776	0.015097	0.10925	-3.131	164832
SCRN1	2.2272	2.2272	4.2459	2.7755	0.015112	0.10931	-3.132	9805
PLEKHA8	0.43007	0.43007	1.2094	2.7751	0.015122	0.10933	-3.1325	84725
PSCA	-0.52662	0.52662	0.56278	-2.7746	0.015138	0.10939	-3.1335	8000
FAM174B	-0.64507	0.64507	1.4382	-2.7743	0.015147	0.10939	-3.1341	400451
USP19	-2.8487	2.8487	6.1597	-2.7741	0.015152	0.10939	-3.1344	10869
MMP27	-0.3857	0.3857	0.36471	-2.774	0.015154	0.10939	-3.1346	64066
LOC101927881	-0.31192	0.31192	0.48233	-2.7726	0.015195	0.10959	-3.1371	1.02E+08
PITX1	8.1771	8.1771	6.8404	2.7724	0.015202	0.10959	-3.1374	5307
BHLHB9	-0.26041	0.26041	0.40712	-2.7722	0.015209	0.10959	-3.1379	80823
NCKAP1	10.373	10.373	22.214	2.7719	0.015218	0.10959	-3.1385	10787
PPP2R2A	5.6705	5.6705	9.4341	2.7715	0.015229	0.10959	-3.1391	5520
HOOK3	1.3001	1.3001	4.921	2.7714	0.015231	0.10959	-3.1392	84376
FPGT-TNNI3K	-0.33538	0.33538	0.2939	-2.7714	0.015233	0.10959	-3.1394	1.01E+08
HSBP1	10.094	10.094	13.46	2.7713	0.015235	0.10959	-3.1395	3281
IGFL1	36.161	36.161	21.047	2.7706	0.015255	0.10961	-3.1407	374918
DBNDD2	3.5455	3.5455	5.7823	2.7705	0.015258	0.10961	-3.1409	55861
MYH3	-0.20451	0.20451	0.20832	-2.7705	0.01526	0.10961	-3.141	4621
MSS51	-0.44306	0.44306	0.73488	-2.7703	0.015264	0.10961	-3.1412	118490
UBE2E2	3.5416	3.5416	7.601	2.7701	0.01527	0.10961	-3.1416	7325
ARHGAP27P2	-0.20971	0.20971	0.22138	-2.7697	0.015282	0.10961	-3.1423	440461
PRRG4	4.0798	4.0798	5.8719	2.7697	0.015282	0.10961	-3.1423	79056
COPS2	3.7042	3.7042	6.8498	2.7694	0.015291	0.10962	-3.1428	9318
RAET1G	1.6891	1.6891	1.7253	2.7688	0.015311	0.10971	-3.144	353091
KCNJ12	-0.46671	0.46671	0.63093	-2.7684	0.015322	0.10975	-3.1447	3768
CSNK1A1	45.936	45.936	86.188	2.7673	0.015354	0.10993	-3.1466	1452

ACTR2	20.401	20.401	32.184	2.7665	0.015378	0.11003	-3.1481	10097
TMEM143	-0.39875	0.39875	0.74502	-2.7664	0.015381	0.11003	-3.1482	55260
HOXA7	-0.88478	0.88478	1.9686	-2.7656	0.015405	0.11016	-3.1497	3204
CDHR1	-23.44	23.44	17.919	-2.7648	0.015428	0.11028	-3.1511	92211
PPCDC	-0.52188	0.52188	1.388	-2.7637	0.015462	0.11047	-3.1531	60490
SUN1	-3.7448	3.7448	12.711	-2.7627	0.015494	0.11065	-3.155	23353
ARHGAP31-AS1	-0.54823	0.54823	0.60478	-2.7614	0.015533	0.11086	-3.1574	1.01E+08
ANP32A-IT1	-0.47094	0.47094	0.59703	-2.7613	0.015536	0.11086	-3.1576	80035
TWF1	14.783	14.783	16.408	2.7608	0.015552	0.11089	-3.1585	5756
ATF7IP2	-1.0914	1.0914	1.1043	-2.7607	0.015554	0.11089	-3.1586	80063
TPM3P9	-0.69366	0.69366	1.2412	-2.7603	0.015564	0.11092	-3.1592	147804
C10orf113	-0.7068	0.7068	0.7626	-2.7599	0.015576	0.11096	-3.1599	387638
RAB3IP	-0.49607	0.49607	1.278	-2.7594	0.015593	0.11103	-3.1609	117177
USP17L2	-0.32141	0.32141	0.25384	-2.759	0.015604	0.11106	-3.1616	377630
PCNT	-1.3441	1.3441	3.2008	-2.7584	0.015622	0.11114	-3.1626	5116
PCDH17	1.551	1.551	1.2044	2.7582	0.015629	0.11115	-3.1631	27253
ATG2B	-1.4001	1.4001	4.2647	-2.7579	0.015639	0.11117	-3.1636	55102
CD1A	-1.8846	1.8846	1.5021	-2.7576	0.015649	0.11119	-3.1642	909
ST8SIA1	-0.21561	0.21561	0.26727	-2.7569	0.015669	0.11129	-3.1654	6489
ACVR2A	-1.5978	1.5978	2.3577	-2.7564	0.015683	0.11131	-3.1662	92
LMF1	-0.76016	0.76016	1.4258	-2.7564	0.015685	0.11131	-3.1663	64788
LINC01534	-0.38449	0.38449	0.46302	-2.7542	0.015753	0.11174	-3.1703	1.02E+08
CDK17	1.547	1.547	5.0041	2.754	0.015759	0.11174	-3.1707	5128
FBXL17	-0.67669	0.67669	2.5353	-2.7532	0.015784	0.11184	-3.1721	64839
TFG	10.302	10.302	17.469	2.7531	0.015786	0.11184	-3.1723	10342
RAP2C	1.8119	1.8119	4.1088	2.7527	0.015798	0.11188	-3.173	57826

SPDYE17	-0.22916	0.22916	0.19609	-2.752	0.01582	0.11196	-3.1742	1.03E+08
LPIN1	-1.1184	1.1184	1.7794	-2.7511	0.015847	0.11196	-3.1758	23175
AGBL5	-1.1519	1.1519	2.8759	-2.751	0.015851	0.11196	-3.1761	60509
SLC35E1	4.6568	4.6568	9.7454	2.751	0.015852	0.11196	-3.1761	79939
L3MBTL4-AS1	-0.32937	0.32937	0.22021	-2.7507	0.015858	0.11196	-3.1765	1.02E+08
GATA2	-1.2094	1.2094	2.1626	-2.7506	0.015861	0.11196	-3.1767	2624
RUVBL1-AS1	-0.23661	0.23661	0.21997	-2.7502	0.015875	0.11196	-3.1775	1.01E+08
ZC3H12C	-0.93084	0.93084	1.7121	-2.75	0.015881	0.11196	-3.1778	85463
USP21	-1.1516	1.1516	3.3808	-2.7497	0.015889	0.11196	-3.1783	27005
PRIMA1	-0.42695	0.42695	0.43604	-2.7497	0.01589	0.11196	-3.1784	145270
KRT37	2.2812	2.2812	1.2578	2.7496	0.015895	0.11196	-3.1786	8688
FAM86EP	-0.23401	0.23401	0.48464	-2.7494	0.015901	0.11196	-3.179	348926
HOXA2	-0.20217	0.20217	0.21628	-2.7492	0.015906	0.11196	-3.1793	3199
IGFL4	-0.34432	0.34432	0.35204	-2.7492	0.015907	0.11196	-3.1793	444882
MAP3K9	5.18	5.18	5.4626	2.7491	0.015908	0.11196	-3.1794	4293
FAM72D	-0.24152	0.24152	0.33917	-2.7488	0.015917	0.11197	-3.1799	728833
CRY1	1.1569	1.1569	3.6686	2.7486	0.015924	0.11197	-3.1803	1407
SUGT1P4-STRA6LP	-0.27723	0.27723	0.26643	-2.7483	0.015934	0.11199	-3.1809	1E+08
ABHD14B	-2.3962	2.3962	5.4311	-2.7472	0.015968	0.11219	-3.1829	84836
DGUOK-AS1	1.0311	1.0311	1.5336	2.7469	0.015979	0.11222	-3.1835	1.01E+08
RWDD4	2.0512	2.0512	4.2888	2.7465	0.015991	0.11226	-3.1842	201965
KIF23	1.3788	1.3788	1.5261	2.7453	0.016026	0.1124	-3.1862	9493
VWC2	-0.21653	0.21653	0.17292	-2.7452	0.016032	0.1124	-3.1865	375567
ZNF865	-1.5526	1.5526	2.6451	-2.7451	0.016032	0.1124	-3.1866	1.01E+08
ZFP64	-0.48044	0.48044	1.957	-2.7443	0.016057	0.11253	-3.188	55734
C1orf21	-3.5369	3.5369	6.1237	-2.744	0.016067	0.11256	-3.1886	81563

LOC441242	-0.21028	0.21028	0.28066	-2.7436	0.016081	0.11261	-3.1894	441242
PSMD1	7.9751	7.9751	15.723	2.7434	0.016088	0.11261	-3.1898	5707
PHACTR2	2.1689	2.1689	4.1198	2.7428	0.016106	0.11262	-3.1908	9749
C9orf85	1.2391	1.2391	2.303	2.7426	0.016112	0.11262	-3.1912	138241
SELE	9.6818	9.6818	6.9148	2.7425	0.016116	0.11262	-3.1914	6401
RAB15	-0.78725	0.78725	1.8304	-2.7424	0.016117	0.11262	-3.1914	376267
LRRC20	2.6872	2.6872	2.5096	2.7418	0.016136	0.11269	-3.1925	55222
BBS7	0.64376	0.64376	1.4641	2.7417	0.01614	0.11269	-3.1927	55212
PPARD	13.401	13.401	17.826	2.7414	0.016148	0.1127	-3.1932	5467
PNLIPRP3	9.2206	9.2206	7.185	2.7403	0.016184	0.11291	-3.1953	119548
DSG1	296.76	296.76	326.1	2.74	0.016195	0.11292	-3.1959	1828
MMD	0.91254	0.91254	1.4914	2.7398	0.016199	0.11292	-3.1961	23531
AGO4	-1.4834	1.4834	4.0024	-2.7391	0.016223	0.11298	-3.1975	192670
TRIM3	-0.62909	0.62909	1.7511	-2.7391	0.016223	0.11298	-3.1975	10612
TMEM30A	6.5638	6.5638	14.084	2.7387	0.016234	0.11298	-3.1981	55754
RBM26-AS1	-0.21565	0.21565	0.23704	-2.7387	0.016234	0.11298	-3.1981	1.01E+08
LOC101927560	-0.18828	0.18828	0.15068	-2.7381	0.016253	0.11306	-3.1992	1.02E+08
NODAL	-0.26148	0.26148	0.2733	-2.7378	0.016264	0.11309	-3.1998	4838
PRPSAP2	1.8075	1.8075	3.9289	2.7375	0.016273	0.11309	-3.2003	5636
KRT31	-1.1485	1.1485	0.86211	-2.7373	0.016278	0.11309	-3.2006	3881
TBC1D32	-0.59035	0.59035	0.83723	-2.7368	0.016294	0.11309	-3.2015	221322
ERP44	2.94	2.94	5.5579	2.7365	0.016304	0.11309	-3.2021	23071
SAMD12	-0.17662	0.17662	0.18096	-2.7364	0.016306	0.11309	-3.2022	401474
MGAT3	-0.72972	0.72972	0.80287	-2.7363	0.01631	0.11309	-3.2024	4248
USP38	2.4502	2.4502	4.1889	2.7363	0.01631	0.11309	-3.2024	84640
CEACAM7	-0.2352	0.2352	0.19464	-2.7355	0.016336	0.11322	-3.2039	1087

CRYM-AS1	-0.34998	0.34998	0.52432	-2.7349	0.016355	0.11331	-3.205	400508
ZDHHHC20	3.7678	3.7678	8.3749	2.7343	0.016373	0.11332	-3.206	253832
GUSBP3	-2.8846	2.8846	4.125	-2.7343	0.016375	0.11332	-3.2061	653188
LOC653160	-0.34323	0.34323	0.48701	-2.7338	0.01639	0.11332	-3.2069	653160
EPB41L4A	-0.64265	0.64265	2.1889	-2.7337	0.016394	0.11332	-3.2072	64097
UBTF	-3.9964	3.9964	10.587	-2.7336	0.016397	0.11332	-3.2073	7343
KCNA6	-0.45758	0.45758	0.26998	-2.7336	0.016398	0.11332	-3.2074	3742
HSPA8	136.37	136.37	159.97	2.7331	0.016413	0.11333	-3.2082	3312
WNT2B	-1.4613	1.4613	1.7463	-2.733	0.016416	0.11333	-3.2084	7482
SLK	6.406	6.406	11.96	2.7327	0.016426	0.11333	-3.209	9748
SGO2	0.45903	0.45903	0.54548	2.7326	0.016428	0.11333	-3.2091	151246
KRTCAP3	-1.0789	1.0789	1.505	-2.7325	0.016433	0.11333	-3.2093	200634
RNF6	2.6531	2.6531	5.285	2.7319	0.01645	0.11341	-3.2103	6049
CPT1B	-1.2091	1.2091	1.5501	-2.7308	0.016486	0.11361	-3.2123	1375
THBS4	-3.8162	3.8162	2.9053	-2.7304	0.016499	0.11361	-3.2131	7060
MTURN	-1.6684	1.6684	4.4667	-2.7304	0.0165	0.11361	-3.2131	222166
TSL	-0.34415	0.34415	0.38798	-2.7296	0.016526	0.11363	-3.2146	790953
KLC4	-0.84346	0.84346	1.4261	-2.7295	0.016529	0.11363	-3.2148	89953
CA13	-0.73771	0.73771	1.1467	-2.7294	0.016533	0.11363	-3.2149	377677
SPINK13	0.65269	0.65269	0.38424	2.7293	0.016533	0.11363	-3.215	153218
PATL2	-0.18137	0.18137	0.17685	-2.7292	0.016538	0.11363	-3.2152	197135
PPP1R32	-0.30957	0.30957	0.39931	-2.7289	0.016547	0.11363	-3.2158	220004
NPIP4	-1.7713	1.7713	2.8678	-2.7288	0.01655	0.11363	-3.2159	440345
TXNDC9	5.2672	5.2672	6.6537	2.7285	0.016561	0.11366	-3.2165	10190
SORCS1	-0.16581	0.16581	0.10132	-2.7279	0.016579	0.11371	-3.2175	114815
GJC1	1.2623	1.2623	1.3509	2.7278	0.016582	0.11371	-3.2177	10052

TMEM158	1.7827	1.7827	1.5927	2.7258	0.016647	0.11408	-3.2213	25907
KIF22	-1.9672	1.9672	5.3872	-2.7257	0.01665	0.11408	-3.2214	3835
RBM43	-0.7447	0.7447	1.1705	-2.725	0.016674	0.1142	-3.2228	375287
LRRN4	-0.18326	0.18326	0.144	-2.7244	0.016692	0.11428	-3.2238	164312
SPDYE3	-0.34109	0.34109	0.3527	-2.724	0.016705	0.11428	-3.2245	441272
MEMO1	4.7165	4.7165	8.7181	2.7238	0.016712	0.11428	-3.2249	51072
MMP16	0.53476	0.53476	0.54652	2.7238	0.016713	0.11428	-3.2249	4325
LOC100507346	-0.23835	0.23835	0.16321	-2.7235	0.016722	0.1143	-3.2254	1.01E+08
BTN3A1	-1.7902	1.7902	2.5473	-2.7232	0.016733	0.11433	-3.226	11119
PDCD10	5.4372	5.4372	8.0631	2.7227	0.016747	0.11435	-3.2268	11235
BMP7	-1.9746	1.9746	3.6282	-2.7227	0.01675	0.11435	-3.227	655
DANT2	-0.61665	0.61665	0.5717	-2.7224	0.016757	0.11435	-3.2274	642776
TG	-0.63491	0.63491	0.41489	-2.7212	0.016797	0.11458	-3.2296	7038
IL11	2.8429	2.8429	1.616	2.7199	0.016838	0.11482	-3.2318	3589
SLC6A16	-0.25636	0.25636	0.24927	-2.7196	0.016851	0.11485	-3.2325	28968
HSF2BP	0.50117	0.50117	0.69408	2.7185	0.016886	0.115	-3.2344	11077
COPS5	5.1405	5.1405	9.5944	2.7184	0.01689	0.115	-3.2347	10987
PHF21A	-1.2319	1.2319	2.7157	-2.7183	0.016892	0.115	-3.2348	51317
MTFR1L	-1.2823	1.2823	4.2359	-2.7175	0.01692	0.11514	-3.2363	56181
C11orf49	-1.4967	1.4967	3.854	-2.7171	0.016931	0.11514	-3.2369	79096
XAB2	-2.7174	2.7174	6.9329	-2.717	0.016934	0.11514	-3.2371	56949
PRDM4	2.3196	2.3196	6.7847	2.7168	0.016941	0.11514	-3.2375	11108
ELOC	3.8254	3.8254	5.2885	2.7159	0.016972	0.1153	-3.2391	6921
KIAA1211L	-1.1516	1.1516	1.8065	-2.7154	0.016987	0.11531	-3.2399	343990
ARPIN	-1.8461	1.8461	5.1973	-2.7153	0.016993	0.11531	-3.2402	348110
ENTHD1	-0.22328	0.22328	0.13382	-2.7152	0.016993	0.11531	-3.2403	150350

ALDH3A2	-9.6458	9.6458	17.125	-2.7148	0.017009	0.11537	-3.2412	224
ARPC1A	19.385	19.385	32.092	2.7144	0.017023	0.1154	-3.2419	10552
SNHG10	-0.40215	0.40215	0.87622	-2.7139	0.017037	0.1154	-3.2427	283596
DDX17	-11.523	11.523	52.867	-2.7138	0.017039	0.1154	-3.2428	10521
PGF	12.219	12.219	11.946	2.7138	0.017041	0.1154	-3.2429	5228
ADAT2	-0.5639	0.5639	0.93051	-2.7124	0.017088	0.11567	-3.2454	134637
UACA	3.816	3.816	5.4274	2.7118	0.017108	0.11576	-3.2465	55075
NOP14-AS1	0.85445	0.85445	1.9101	2.7111	0.017131	0.11585	-3.2477	317648
NFX1	-1.619	1.619	6.0503	-2.711	0.017135	0.11585	-3.2479	4799
BTBD7	1.1721	1.1721	4.1506	2.7098	0.017174	0.11607	-3.25	55727
PFKP	7.0274	7.0274	12.266	2.7089	0.017205	0.11615	-3.2517	5214
CLSTN2	-1.7367	1.7367	1.1587	-2.7089	0.017205	0.11615	-3.2517	64084
LINC02298	-0.19006	0.19006	0.16918	-2.7088	0.017206	0.11615	-3.2518	1.03E+08
BRSK2	-0.21076	0.21076	0.17804	-2.7081	0.01723	0.11626	-3.253	9024
TNRC6A	-1.7367	1.7367	5.2112	-2.7078	0.017242	0.1163	-3.2537	27327
ZBTB38	2.0485	2.0485	5.4822	2.707	0.017268	0.11643	-3.255	253461
TSSC2	-0.36314	0.36314	0.32949	-2.7067	0.017277	0.11644	-3.2555	650368
NUDCD3	-2.4964	2.4964	7.4311	-2.7058	0.017307	0.11656	-3.2571	23386
SAFB2	-1.8835	1.8835	4.3892	-2.7058	0.017308	0.11656	-3.2572	9667
CCAT1	-0.18246	0.18246	0.12845	-2.7053	0.017326	0.1166	-3.2581	1.01E+08
NHLRC1	-0.39896	0.39896	1.0145	-2.7052	0.017328	0.1166	-3.2583	378884
SHROOM3	-0.76106	0.76106	1.1181	-2.7047	0.017345	0.11667	-3.2592	57619
TCF20	-2.3502	2.3502	7.0698	-2.7045	0.017353	0.11668	-3.2596	6942
TAB1	-1.7377	1.7377	3.0768	-2.7035	0.017387	0.11683	-3.2614	10454
HOXA4	-0.27845	0.27845	0.54874	-2.7034	0.01739	0.11683	-3.2616	3201
IL36RN	60.529	60.529	53.299	2.7026	0.017415	0.11695	-3.2629	26525

SDC1	112.72	112.72	170.44	2.7017	0.017449	0.11709	-3.2647	6382
NCBP2-AS1	-0.25335	0.25335	0.18885	-2.7014	0.017456	0.11709	-3.265	1.01E+08
TTC36	-0.21418	0.21418	0.20768	-2.7014	0.017457	0.11709	-3.2651	143941
PRB1	-0.28072	0.28072	0.15591	-2.7007	0.017479	0.1171	-3.2663	5542
LINC01725	-0.24234	0.24234	0.15404	-2.7007	0.017482	0.1171	-3.2664	1.02E+08
CYP4V2	-0.79249	0.79249	1.3044	-2.7006	0.017483	0.1171	-3.2665	285440
POU2F3	-3.9685	3.9685	3.4053	-2.7006	0.017485	0.1171	-3.2666	25833
RSPO4	-0.64835	0.64835	0.57635	-2.7001	0.017501	0.11716	-3.2674	343637
KCTD13	-1.4942	1.4942	2.6228	-2.6997	0.017515	0.1172	-3.2681	253980
FRK	-0.6194	0.6194	1.2865	-2.6992	0.01753	0.11726	-3.269	2444
LRRC8A	9.1823	9.1823	12.925	2.6987	0.017549	0.1173	-3.2699	56262
DNAH17	-0.36143	0.36143	0.34058	-2.6987	0.01755	0.1173	-3.27	8632
SH3D21	7.0189	7.0189	11.653	2.6981	0.017569	0.11738	-3.271	79729
LOC100505716	-0.61749	0.61749	0.73951	-2.6979	0.017578	0.11739	-3.2715	1.01E+08
PAIP2B	-1.4623	1.4623	2.1936	-2.6968	0.017613	0.11758	-3.2733	400961
LOC340512	-0.24984	0.24984	0.29503	-2.696	0.017643	0.11773	-3.2748	340512
CISD2	0.86879	0.86879	1.4128	2.6954	0.017662	0.1178	-3.2758	493856
SLC9A4	-0.59163	0.59163	0.73665	-2.6952	0.017667	0.1178	-3.2761	389015
TUBB3	26.277	26.277	20.854	2.695	0.017675	0.11781	-3.2765	10381
LRP11	4.5688	4.5688	8.4074	2.694	0.01771	0.11795	-3.2783	84918
SP4	-0.4344	0.4344	0.75556	-2.6938	0.017716	0.11795	-3.2786	6671
C12orf49	2.114	2.114	4.4244	2.6938	0.017718	0.11795	-3.2788	79794
PPP1R12B	-2.4845	2.4845	4.2835	-2.6934	0.017729	0.11796	-3.2794	4660
BMS1P2	-1.6926	1.6926	2.5377	-2.6933	0.017733	0.11796	-3.2796	642826
TTY10	-0.29444	0.29444	0.23502	-2.693	0.017744	0.11799	-3.2801	246119
NEK9	-1.6147	1.6147	5.1081	-2.6927	0.017755	0.11801	-3.2807	91754

CSF2	0.40774	0.40774	0.20943	2.691	0.017814	0.11836	-3.2838	1437
ADHFE1	-0.38689	0.38689	0.59239	-2.6906	0.017829	0.11837	-3.2845	137872
LGI3	-0.54777	0.54777	0.35046	-2.6905	0.017832	0.11837	-3.2847	203190
B3GNT8	2.7596	2.7596	3.4072	2.6903	0.017837	0.11837	-3.2849	374907
ZADH2	-0.61007	0.61007	2.1772	-2.6896	0.017862	0.11849	-3.2862	284273
MMP12	5.4549	5.4549	2.8203	2.6888	0.017889	0.11863	-3.2876	4321
MAB21L2	-0.65114	0.65114	0.9204	-2.6885	0.0179	0.11864	-3.2882	10586
SPICE1	-0.67907	0.67907	1.7662	-2.6884	0.017905	0.11864	-3.2884	152185
ELOA3	-0.45618	0.45618	0.3613	-2.6871	0.01795	0.11889	-3.2907	162699
CLCA2	56.872	56.872	77.799	2.6866	0.017968	0.11896	-3.2917	9635
TEN1-CDK3	-0.8032	0.8032	1.0619	-2.6863	0.017978	0.11898	-3.2922	1.01E+08
MED12	-1.5227	1.5227	3.8049	-2.6857	0.017997	0.11906	-3.2931	9968
NPTN	6.6874	6.6874	17.865	2.6848	0.018031	0.1192	-3.2949	27020
ZDHHC18	3.7521	3.7521	7.7751	2.6847	0.018031	0.1192	-3.2949	84243
LOC105371485	-0.37439	0.37439	0.30035	-2.6841	0.018055	0.1193	-3.2961	1.05E+08
LIPT2	-0.26871	0.26871	0.38479	-2.6835	0.018074	0.11938	-3.2971	387787
ZXDB	-0.44054	0.44054	1.4435	-2.6831	0.01809	0.11944	-3.2979	158586
PKD1P3-NPIPA1	-0.77038	0.77038	0.82069	-2.6825	0.018109	0.11949	-3.2989	1.1E+08
POU5F1B	-0.17672	0.17672	0.15285	-2.6825	0.018111	0.11949	-3.299	5462
ZNF385C	-0.1952	0.1952	0.18324	-2.6814	0.018149	0.11969	-3.3009	201181
CD2AP	3.3583	3.3583	7.0769	2.6811	0.018158	0.1197	-3.3014	23607
ZNF671	-0.64261	0.64261	0.91782	-2.6803	0.018188	0.11985	-3.3029	79891
LOC100129484	-0.86911	0.86911	1.0553	-2.6798	0.018207	0.11993	-3.3038	1E+08
CDH26	0.997	0.997	0.96831	2.6795	0.018214	0.11993	-3.3042	60437
CRAMP1	-1.5098	1.5098	3.5474	-2.679	0.018233	0.11999	-3.3052	57585
ALAD	-3.4226	3.4226	6.8955	-2.6789	0.018236	0.11999	-3.3053	210

JUP	261.25	261.25	373.35	2.6783	0.018259	0.12009	-3.3064	3728
CACNB2	-0.2941	0.2941	0.35452	-2.6772	0.018297	0.12029	-3.3084	783
SNORA21	-2.0101	2.0101	2.9256	-2.6753	0.018364	0.12054	-3.3117	619505
LINC00887	0.22487	0.22487	0.13771	2.6753	0.018365	0.12054	-3.3118	1E+08
MAN2C1	-3.8641	3.8641	7.881	-2.6748	0.018382	0.12054	-3.3126	4123
ARL8B	8.6117	8.6117	17.046	2.6748	0.018382	0.12054	-3.3127	55207
ABL2	3.4736	3.4736	4.4804	2.6748	0.018383	0.12054	-3.3127	27
IDS	5.4854	5.4854	11.402	2.6746	0.018391	0.12054	-3.3131	3423
LOC728024	-0.2356	0.2356	0.33279	-2.6739	0.018414	0.12054	-3.3142	728024
HEMK1	-0.60719	0.60719	1.2742	-2.6739	0.018415	0.12054	-3.3143	51409
GLO1	20.47	20.47	25.954	2.6735	0.018429	0.12054	-3.315	2739
CRYM	-0.26022	0.26022	0.31908	-2.6735	0.01843	0.12054	-3.315	1428
FAM107A	-1.189	1.189	1.3576	-2.6734	0.018432	0.12054	-3.3151	11170
PIGO	-0.99677	0.99677	3.2524	-2.6733	0.018435	0.12054	-3.3153	84720
PRELID3B	3.5313	3.5313	5.3683	2.6733	0.018436	0.12054	-3.3153	51012
THAP2	0.20427	0.20427	0.28697	2.6733	0.018437	0.12054	-3.3154	83591
LOC105370792	0.57927	0.57927	1.2886	2.6732	0.018442	0.12054	-3.3156	1.05E+08
KPNA2	7.909	7.909	9.5883	2.6724	0.018468	0.12066	-3.3169	3838
SEC23A	5.0987	5.0987	8.1291	2.672	0.018485	0.12072	-3.3178	10484
SUCO	1.6111	1.6111	4.224	2.6718	0.018491	0.12072	-3.3181	51430
RHOQ	4.5685	4.5685	7.587	2.6714	0.018504	0.12076	-3.3187	23433
MAML2	-1.2976	1.2976	4.3101	-2.6704	0.01854	0.12094	-3.3205	84441
ADAMTSL3	-0.68193	0.68193	0.51445	-2.6703	0.018546	0.12094	-3.3208	57188
RAB32	4.6653	4.6653	5.841	2.6696	0.01857	0.12103	-3.322	10981
SELENOT	3.7144	3.7144	5.6391	2.6693	0.018581	0.12103	-3.3225	51714
KCNQ4	-0.23952	0.23952	0.20909	-2.6693	0.018582	0.12103	-3.3226	9132

DGCR5	-0.20159	0.20159	0.22792	-2.669	0.018592	0.12105	-3.3231	26220
WHRN	-0.55118	0.55118	1.0883	-2.6684	0.018614	0.12112	-3.3242	25861
LINC02108	-3.2431	3.2431	4.8746	-2.6681	0.018625	0.12112	-3.3247	1.02E+08
LRRC37A4P	-1.367	1.367	1.946	-2.6671	0.018659	0.12112	-3.3264	55073
LINC00923	-0.51357	0.51357	0.67331	-2.667	0.018664	0.12112	-3.3266	91948
TWSG1	3.476	3.476	5.0778	2.6669	0.018669	0.12112	-3.3269	57045
ACSF3	-0.79783	0.79783	1.7548	-2.6668	0.018673	0.12112	-3.3271	197322
KMT2D	-4.2452	4.2452	9.0583	-2.6664	0.018686	0.12112	-3.3277	8085
SLC25A24	3.2249	3.2249	4.6401	2.6659	0.018704	0.12112	-3.3286	29957
S100A12	10.068	10.068	7.2516	2.6659	0.018705	0.12112	-3.3287	6283
LINC01060	0.37935	0.37935	0.23215	2.6655	0.018718	0.12112	-3.3293	401164
TDP2	7.9082	7.9082	9.0342	2.6655	0.018719	0.12112	-3.3294	51567
SERPINB13	31.03	31.03	33.425	2.6654	0.01872	0.12112	-3.3294	5275
ATP2A3	-2.82	2.82	3.408	-2.6654	0.018722	0.12112	-3.3295	489
TSPAN33	-0.94779	0.94779	1.3759	-2.6654	0.018723	0.12112	-3.3295	340348
ELK3	7.8632	7.8632	11.643	2.6653	0.018726	0.12112	-3.3297	2004
JAK2	-1.2158	1.2158	3.4001	-2.6651	0.018734	0.12112	-3.3301	3717
ADAM10	6.1665	6.1665	9.3383	2.6645	0.018753	0.12112	-3.331	102
ZNRF3-AS1	-0.29885	0.29885	0.33692	-2.6643	0.01876	0.12112	-3.3314	1.01E+08
APLN	1.9656	1.9656	1.56	2.6643	0.018761	0.12112	-3.3314	8862
TLN2	-0.80193	0.80193	1.1213	-2.6642	0.018766	0.12112	-3.3316	83660
ANKRD23	-1.4028	1.4028	1.4359	-2.6641	0.01877	0.12112	-3.3319	200539
EIF1AY	2.8654	2.8654	3.9703	2.664	0.018771	0.12112	-3.3319	9086
EIF2B2	6.3112	6.3112	8.6849	2.664	0.018774	0.12112	-3.332	8892
SP1	-3.1492	3.1492	11.863	-2.6638	0.018781	0.12112	-3.3324	6667
CDC14B	1.0767	1.0767	2.4443	2.6633	0.018798	0.12112	-3.3332	8555

ENDOV	-0.61278	0.61278	1.1328	-2.6632	0.018803	0.12112	-3.3335	284131
MCU	2.187	2.187	4.162	2.6631	0.018806	0.12112	-3.3336	90550
SESN1	-1.5386	1.5386	3.2636	-2.6631	0.018806	0.12112	-3.3336	27244
SMTNL1	-0.16147	0.16147	0.11489	-2.6629	0.018814	0.12112	-3.334	219537
NDRG1	138.77	138.77	174.42	2.6628	0.018818	0.12112	-3.3342	10397
CHP1	20.726	20.726	30.465	2.6623	0.018834	0.12118	-3.335	11261
CYCSP52	-0.34123	0.34123	0.40907	-2.662	0.018846	0.12121	-3.3356	360155
ITGA9-AS1	-0.26854	0.26854	0.20995	-2.6615	0.018862	0.12122	-3.3364	1.02E+08
TSPYL6	-0.27034	0.27034	0.27258	-2.6615	0.018865	0.12122	-3.3365	388951
RPRML	-0.22388	0.22388	0.13151	-2.6613	0.018871	0.12122	-3.3368	388394
MAN1C1	-1.6142	1.6142	1.9331	-2.661	0.018882	0.12122	-3.3373	57134
BEGAIN	-0.23503	0.23503	0.23172	-2.6608	0.018889	0.12122	-3.3377	57596
KCMF1	1.8553	1.8553	3.8711	2.6607	0.018894	0.12122	-3.3379	56888
AVEN	2.9425	2.9425	4.9979	2.6606	0.018898	0.12122	-3.3381	57099
PODNL1	1.2448	1.2448	1.8795	2.6597	0.018929	0.12133	-3.3396	79883
TBC1D24	-0.48361	0.48361	0.97399	-2.6597	0.01893	0.12133	-3.3397	57465
NME9	-0.33691	0.33691	0.38425	-2.6592	0.018947	0.1214	-3.3405	347736
PLEKHD1	-0.1765	0.1765	0.10835	-2.6583	0.018981	0.12157	-3.3421	400224
FITM1	-0.19889	0.19889	0.19234	-2.6569	0.019033	0.12183	-3.3447	161247
IL17D	-0.5094	0.5094	0.49685	-2.6568	0.019037	0.12183	-3.3448	53342
PLA2G4A	2.9477	2.9477	3.0003	2.656	0.019066	0.12196	-3.3462	5321
DPY19L2P2	-0.31021	0.31021	0.58328	-2.6559	0.01907	0.12196	-3.3464	349152
IRX5	-1.8957	1.8957	4.464	-2.6539	0.019144	0.1223	-3.35	10265
LINC02444	-6.6238	6.6238	8.4952	-2.6539	0.019145	0.1223	-3.3501	1.02E+08
LOC101928936	-1.0714	1.0714	1.7092	-2.6539	0.019146	0.1223	-3.3501	1.02E+08
ATP6V1B2	14.476	14.476	25.643	2.6534	0.019161	0.12235	-3.3508	526

DCAF1	-0.749	0.749	2.8556	-2.6528	0.019183	0.12245	-3.3519	9730
CCDC92B	-0.1792	0.1792	0.13212	-2.6526	0.019194	0.12247	-3.3524	1.02E+08
RPRD2	-1.0088	1.0088	4.294	-2.652	0.019215	0.12252	-3.3534	23248
LTC4S	-0.76432	0.76432	1.0658	-2.6518	0.019221	0.12252	-3.3537	4056
OR51E1	0.5138	0.5138	0.31375	2.6518	0.019224	0.12252	-3.3538	143503
ECRP	-0.21132	0.21132	0.21661	-2.6514	0.019237	0.12256	-3.3545	643332
PPP2CB	9.7724	9.7724	18.629	2.6508	0.019261	0.12266	-3.3556	5516
ACVR1	2.5496	2.5496	5.6315	2.65	0.019289	0.1228	-3.3569	90
AARS2	-1.4552	1.4552	2.3501	-2.6489	0.019329	0.123	-3.3588	57505
TMTC3	2.2173	2.2173	5.1394	2.6487	0.019339	0.12302	-3.3593	160418
SCN3B	1.0931	1.0931	1.0807	2.6483	0.019353	0.12306	-3.36	55800
DMAP1	-2.0318	2.0318	4.2504	-2.6477	0.019374	0.12315	-3.361	55929
ADAMTSL5	0.30606	0.30606	0.38704	2.6473	0.019392	0.1232	-3.3618	339366
ATG14	-0.75007	0.75007	3.1436	-2.6471	0.019397	0.1232	-3.3621	22863
LMX1B	-0.33317	0.33317	0.53747	-2.647	0.019403	0.1232	-3.3624	4010
LGALS9C	3.1414	3.1414	2.3783	2.6465	0.019421	0.12323	-3.3632	654346
FNBP4	-2.3419	2.3419	7.6145	-2.6464	0.019423	0.12323	-3.3633	23360
NPB	0.67853	0.67853	0.47576	2.6452	0.019469	0.12348	-3.3655	256933
ATP6V1A	5.9909	5.9909	13.268	2.6445	0.019497	0.12361	-3.3668	523
ATP6V1F	20.394	20.394	33.559	2.6442	0.019509	0.12364	-3.3673	9296
LOC100996740	-1.3066	1.3066	1.5999	-2.6431	0.019548	0.12382	-3.3692	1.01E+08
OR1K1	-0.26273	0.26273	0.17353	-2.643	0.019552	0.12382	-3.3694	392392
ZNF436-AS1	-0.86443	0.86443	0.74535	-2.6422	0.019582	0.12396	-3.3708	148898
TMCO4	-0.57631	0.57631	1.1646	-2.6398	0.019676	0.12446	-3.3752	255104
ATP11A	-1.5922	1.5922	4.2639	-2.6398	0.019676	0.12446	-3.3752	23250
SH3YL1	-0.9593	0.9593	2.4131	-2.6391	0.0197	0.12457	-3.3763	26751

PTH1R	-0.70096	0.70096	0.8296	-2.6388	0.019711	0.12459	-3.3768	5745
VAMP3	11.575	11.575	22.354	2.6378	0.019752	0.12477	-3.3787	9341
TADA1	-0.62464	0.62464	1.8852	-2.6377	0.019755	0.12477	-3.3788	117143
EXOSC1	2.7941	2.7941	5.1529	2.6372	0.019772	0.12484	-3.3797	51013
CEP72	-0.48288	0.48288	0.91039	-2.6359	0.019824	0.12511	-3.382	55722
ZNF215	0.27231	0.27231	0.37343	2.6356	0.019837	0.12515	-3.3827	7762
ISM1	-1.5104	1.5104	2.4734	-2.6346	0.019873	0.12533	-3.3843	140862
LRGUK	-0.20929	0.20929	0.24055	-2.634	0.019896	0.12543	-3.3854	136332
SPTY2D1	1.6457	1.6457	4.0446	2.6337	0.01991	0.12547	-3.386	144108
NOX4	0.60706	0.60706	0.57424	2.6327	0.019946	0.12565	-3.3877	50507
PI4KAP1	-1.0063	1.0063	1.458	-2.6323	0.019962	0.1257	-3.3884	728233
WASH7P	-5.5712	5.5712	10.036	-2.632	0.019973	0.12573	-3.389	653635
OSTM1	1.8245	1.8245	3.4981	2.6316	0.01999	0.12579	-3.3897	28962
LOC100507387	-0.34358	0.34358	0.18681	-2.6312	0.020004	0.12579	-3.3904	1.01E+08
GALNT16	-1.524	1.524	1.4416	-2.6312	0.020005	0.12579	-3.3904	57452
RAB9A	4.0223	4.0223	6.914	2.6306	0.020027	0.12584	-3.3914	9367
ZNRF2P2	-0.63867	0.63867	0.51687	-2.6306	0.020028	0.12584	-3.3915	1E+08
GGH	30.113	30.113	23.337	2.6296	0.020067	0.12601	-3.3932	8836
PEG3	-0.45325	0.45325	0.47017	-2.6295	0.020071	0.12601	-3.3934	5178
COPB1	6.4368	6.4368	13.012	2.6293	0.020079	0.12602	-3.3938	1315
MAP7D1	24.235	24.235	34.166	2.6285	0.020109	0.12616	-3.3952	55700
EPB41L3	5.2288	5.2288	6.1276	2.6278	0.020139	0.12626	-3.3965	23136
RRAS2	2.9262	2.9262	3.8295	2.6277	0.02014	0.12626	-3.3966	22800
COMMD8	2.4802	2.4802	3.4631	2.6266	0.020184	0.12649	-3.3986	54951
BEX2	-0.74017	0.74017	0.99295	-2.6249	0.020251	0.12686	-3.4016	84707
RSPO1	-0.81525	0.81525	1.0796	-2.6237	0.020298	0.12711	-3.4038	284654

ADORA1	-0.44485	0.44485	0.42963	-2.6233	0.020313	0.12711	-3.4045	134
CROCCP3	-0.48935	0.48935	0.6914	-2.6232	0.020318	0.12711	-3.4047	114819
GJC3	-0.37822	0.37822	0.40594	-2.6231	0.02032	0.12711	-3.4048	349149
ADCY5	-0.73817	0.73817	0.56939	-2.6227	0.020338	0.12713	-3.4056	111
AGAP9	-1.1429	1.1429	1.7165	-2.6227	0.020339	0.12713	-3.4056	642517
EDARADD	-0.55407	0.55407	1.0207	-2.6222	0.020355	0.12716	-3.4063	128178
LENG8	-10.007	10.007	18.835	-2.6221	0.020359	0.12716	-3.4065	114823
RBM12B-AS1	-0.78381	0.78381	1.389	-2.6209	0.020408	0.12742	-3.4087	55472
DUSP14	56.031	56.031	45.073	2.6205	0.020425	0.12748	-3.4095	11072
INHA	-0.25836	0.25836	0.22384	-2.6203	0.020432	0.12748	-3.4098	3623
PRLR	-0.42602	0.42602	0.45313	-2.6196	0.020458	0.12755	-3.411	5618
UBXN11	-0.82256	0.82256	1.5142	-2.6193	0.02047	0.12755	-3.4115	91544
BAIAP3	-0.22128	0.22128	0.23481	-2.6193	0.020473	0.12755	-3.4116	8938
PTPRT	-0.17186	0.17186	0.10116	-2.6191	0.020479	0.12755	-3.4119	11122
NAP1L5	-0.49283	0.49283	1.1976	-2.6191	0.020481	0.12755	-3.412	266812
MAB21L1	-0.26473	0.26473	0.27073	-2.6178	0.020529	0.1278	-3.4142	4081
TMEM51	2.3441	2.3441	3.4993	2.6175	0.020544	0.12784	-3.4148	55092
ZNF433-AS1	-0.27874	0.27874	0.43402	-2.617	0.020563	0.12786	-3.4157	1.02E+08
ALKAL2	-0.3731	0.3731	0.26687	-2.6168	0.02057	0.12786	-3.416	285016
FAM160A2	-1.8333	1.8333	4.9543	-2.6168	0.020571	0.12786	-3.416	84067
RGS2	7.3907	7.3907	6.9898	2.6166	0.020577	0.12786	-3.4163	5997
AXIN2	-1.721	1.721	2.6416	-2.6158	0.02061	0.12802	-3.4178	8313
IRF4	-0.35875	0.35875	0.52663	-2.6153	0.020631	0.12807	-3.4187	3662
C6orf201	-0.30299	0.30299	0.2497	-2.6152	0.020633	0.12807	-3.4188	404220
ACAA2	4.0363	4.0363	6.9647	2.6146	0.02066	0.12808	-3.42	10449
PCDHB16	-0.61091	0.61091	0.78492	-2.6143	0.020672	0.12808	-3.4205	57717

MOCOS	1.2662	1.2662	2.5139	2.6143	0.020672	0.12808	-3.4205	55034
UBQLN2	7.3803	7.3803	10.581	2.6142	0.020673	0.12808	-3.4205	29978
TANK	4.4056	4.4056	7.4409	2.6142	0.020673	0.12808	-3.4206	10010
BCKDHB	-0.56313	0.56313	1.5654	-2.614	0.020682	0.12809	-3.421	594
AARD	-0.33323	0.33323	0.22271	-2.6135	0.020704	0.12818	-3.4219	441376
LINC00278	-0.80202	0.80202	1.1816	-2.6133	0.020712	0.12818	-3.4223	1.01E+08
VWA5A	-2.9643	2.9643	5.7983	-2.6129	0.020728	0.12823	-3.423	4013
PHF2	-2.0075	2.0075	5.1737	-2.6127	0.020735	0.12823	-3.4233	5253
ISM1-AS1	-0.31553	0.31553	0.30701	-2.6122	0.020756	0.12831	-3.4242	1.01E+08
EEF1DP3	-0.6137	0.6137	0.72801	-2.6116	0.020778	0.1284	-3.4252	196549
FSD2	-0.19554	0.19554	0.17994	-2.6113	0.020792	0.12844	-3.4258	123722
FAT1	13.15	13.15	20.878	2.6108	0.020811	0.12851	-3.4266	2195
GABPB1-IT1	-0.39253	0.39253	1.0724	-2.6102	0.020834	0.12857	-3.4277	55056
GSTM5	-1.2275	1.2275	1.0746	-2.61	0.020843	0.12857	-3.4281	2949
SPATA5	-0.42613	0.42613	1.3359	-2.61	0.020844	0.12857	-3.4281	166378
TTN-AS1	-0.45454	0.45454	1.2119	-2.6096	0.020857	0.1286	-3.4287	1.01E+08
PARD6G-AS1	-0.802	0.802	1.0356	-2.6095	0.020864	0.1286	-3.429	1E+08
MYL6	322.21	322.21	394.52	2.6092	0.020873	0.12862	-3.4294	4637
SCARNA28	-58.461	58.461	54.174	-2.6082	0.020916	0.12883	-3.4313	1.07E+08
UBE2N	6.1232	6.1232	11.153	2.6076	0.02094	0.12887	-3.4323	7334
MAPK15	-0.37285	0.37285	0.42038	-2.6074	0.020948	0.12887	-3.4327	225689
STX16-NPEPL1	-1.0256	1.0256	0.82899	-2.6074	0.020949	0.12887	-3.4327	1.01E+08
OR2A4	-1.7638	1.7638	1.7495	-2.6073	0.020953	0.12887	-3.4329	79541
SMIM13	0.74353	0.74353	1.5614	2.607	0.020963	0.12888	-3.4333	221710
CEACAM19	5.428	5.428	7.0942	2.6069	0.02097	0.12888	-3.4336	56971
SCARNA9	-22.01	22.01	25.033	-2.6066	0.02098	0.1289	-3.4341	619383

LOC100506207	-0.16756	0.16756	0.20316	-2.6064	0.020988	0.1289	-3.4344	1.01E+08
FLJ42969	0.24759	0.24759	0.18756	2.6053	0.021032	0.12911	-3.4364	441374
F2RL2	0.99422	0.99422	1.2995	2.6052	0.021038	0.12911	-3.4366	2151
CD207	-6.8668	6.8668	4.7599	-2.6049	0.021048	0.12912	-3.437	50489
PTPRF	-16.917	16.917	36.025	-2.6044	0.021068	0.1292	-3.4379	5792
ORAI3	-1.7807	1.7807	3.2389	-2.6043	0.021076	0.1292	-3.4383	93129
CASC9	-0.53319	0.53319	0.74822	-2.6035	0.021106	0.1293	-3.4396	1.02E+08
RNF145	7.1961	7.1961	14.03	2.6034	0.021111	0.1293	-3.4398	153830
FAM27B	-0.88932	0.88932	1.0434	-2.6033	0.021115	0.1293	-3.44	1E+08
CPEB2	3.3822	3.3822	9.0044	2.6029	0.021133	0.12936	-3.4407	132864
LINC01547	-0.33474	0.33474	0.4668	-2.6024	0.021153	0.12944	-3.4416	84536
EIF4G3	2.1972	2.1972	6.8595	2.6021	0.021163	0.12945	-3.442	8672
MADD	-1.5906	1.5906	5.195	-2.6011	0.021206	0.12956	-3.4439	8567
TGFB2	0.61715	0.61715	0.98717	2.601	0.021207	0.12956	-3.444	7042
GCGR	-0.19248	0.19248	0.13257	-2.601	0.021208	0.12956	-3.444	2642
ISG20	0.88756	0.88756	1.1006	2.601	0.021211	0.12956	-3.4441	3669
MAFF	4.784	4.784	6.7833	2.5999	0.021254	0.12977	-3.446	23764
DBNDD1	1.9228	1.9228	2.229	2.5997	0.021262	0.12978	-3.4463	79007
NDUFB3	10.094	10.094	11.902	2.5994	0.021276	0.12981	-3.4469	4709
TMEM201	-0.73226	0.73226	1.5091	-2.5985	0.02131	0.12991	-3.4484	199953
TMEM106C	4.0953	4.0953	6.5774	2.5985	0.021311	0.12991	-3.4484	79022
SPN	-0.37957	0.37957	0.55145	-2.5984	0.021314	0.12991	-3.4486	6693
HSPA13	1.7653	1.7653	2.4028	2.5977	0.021346	0.13006	-3.4499	6782
SNHG14	-0.25032	0.25032	0.33697	-2.5974	0.021356	0.13007	-3.4504	1.04E+08
RSU1	4.6655	4.6655	9.5624	2.597	0.021374	0.13007	-3.4511	6251
DPH7	-0.73291	0.73291	1.6491	-2.5969	0.021376	0.13007	-3.4512	92715

LOC100996724	-0.56401	0.56401	0.65707	-2.5969	0.021379	0.13007	-3.4514	1.01E+08
DNAJA1	9.4107	9.4107	15.726	2.596	0.021414	0.13024	-3.4529	3301
BZW1	30.902	30.902	37.082	2.5955	0.021435	0.13032	-3.4538	9689
PAXIP1-AS2	-0.4002	0.4002	0.78182	-2.5953	0.021444	0.13032	-3.4541	1E+08
UGT1A6	-0.33005	0.33005	0.20867	-2.595	0.021454	0.13034	-3.4546	54578
ZNF837	-0.50853	0.50853	0.74136	-2.5944	0.02148	0.13039	-3.4557	116412
VPS29	8.6789	8.6789	13.179	2.5944	0.02148	0.13039	-3.4557	51699
SFN	1076.2	1076.2	1191.5	2.594	0.0215	0.13039	-3.4565	2810
ADAM9	9.6094	9.6094	12.778	2.5938	0.021506	0.13039	-3.4568	8754
XPA	-0.69387	0.69387	1.8097	-2.5938	0.021506	0.13039	-3.4568	7507
ZNF66	-0.43753	0.43753	0.58212	-2.5937	0.02151	0.13039	-3.4569	7617
SOCS4	0.76143	0.76143	2.0249	2.5933	0.021526	0.13045	-3.4576	122809
ZBTB42	-0.69246	0.69246	1.1299	-2.593	0.02154	0.13048	-3.4582	1E+08
ALX4	-0.3049	0.3049	0.31319	-2.5928	0.021548	0.13049	-3.4586	60529
TNNC1	-0.26833	0.26833	0.17052	-2.5925	0.02156	0.13051	-3.4591	7134
UCA1	0.40685	0.40685	0.38934	2.5923	0.021569	0.13051	-3.4595	652995
WASH2P	-1.4107	1.4107	4.0517	-2.5921	0.021576	0.13051	-3.4597	375260
SLC9A3	-0.48138	0.48138	0.87113	-2.592	0.021583	0.13051	-3.46	6550
SHISAL1	2.2943	2.2943	1.6315	2.5917	0.021594	0.13053	-3.4605	85352
ANKZF1	-1.9626	1.9626	4.9784	-2.5911	0.021616	0.13062	-3.4615	55139
TCEA2	-1.3276	1.3276	1.8046	-2.5907	0.021636	0.13069	-3.4623	6919
SKOR1	-0.19161	0.19161	0.16128	-2.5898	0.021674	0.13087	-3.4639	390598
REXO2	7.6942	7.6942	13.626	2.5893	0.021693	0.13089	-3.4647	25996
HRCT1	-0.92365	0.92365	0.76002	-2.5891	0.021703	0.13089	-3.4651	646962
MRPS36	2.2995	2.2995	3.3789	2.589	0.021705	0.13089	-3.4652	92259
COL6A5	-0.29265	0.29265	0.17768	-2.5886	0.021725	0.13089	-3.4661	256076

TMCO6	-0.67966	0.67966	1.6891	-2.5885	0.021726	0.13089	-3.4661	55374
ITGAX	2.3512	2.3512	2.0681	2.5884	0.021732	0.13089	-3.4664	3687
ANKRD33B	-2.3464	2.3464	1.4447	-2.5883	0.021736	0.13089	-3.4665	651746
ACBD3	3.5914	3.5914	8.9973	2.5881	0.021742	0.13089	-3.4668	64746
RAP1B	11.363	11.363	19.583	2.5874	0.021772	0.13089	-3.468	5908
SPATC1L	-0.43061	0.43061	1.0799	-2.5874	0.021775	0.13089	-3.4682	84221
TMOD3	8.6795	8.6795	17.114	2.5871	0.021786	0.13089	-3.4686	29766
SLC46A1	-0.46427	0.46427	0.79392	-2.587	0.021791	0.13089	-3.4688	113235
ZNF571-AS1	-0.21668	0.21668	0.21524	-2.5869	0.021794	0.13089	-3.469	1.01E+08
GGT3P	-0.20035	0.20035	0.11737	-2.5866	0.021805	0.13089	-3.4694	2679
LOC651337	-0.61247	0.61247	0.76675	-2.5866	0.021806	0.13089	-3.4695	651337
CCDC88C	-1.4009	1.4009	2.7596	-2.5866	0.021807	0.13089	-3.4695	440193
LGALS9B	1.1964	1.1964	0.98344	2.5865	0.02181	0.13089	-3.4696	284194
SCNN1D	14.441	14.441	8.1437	2.5864	0.021816	0.13089	-3.4699	6339
COX17	8.5818	8.5818	12.383	2.5852	0.021865	0.13114	-3.472	10063
KIAA1324L	-0.59216	0.59216	0.77717	-2.5849	0.021879	0.13116	-3.4725	222223
PSME4	2.411	2.411	7.2636	2.5848	0.021885	0.13116	-3.4728	23198
REEP1	0.78342	0.78342	0.79877	2.584	0.021919	0.13132	-3.4742	65055
ASIC3	-0.23779	0.23779	0.26965	-2.5836	0.021932	0.13135	-3.4748	9311
HRH1	1.3523	1.3523	2.1801	2.5828	0.02197	0.13145	-3.4763	3269
THRSP	-0.1955	0.1955	0.14146	-2.5826	0.021978	0.13145	-3.4767	7069
PDCD4	-9.2191	9.2191	18.723	-2.5826	0.021978	0.13145	-3.4767	27250
LOC100506476	-0.44541	0.44541	0.43112	-2.5825	0.021979	0.13145	-3.4767	1.01E+08
ARVCF	-0.78991	0.78991	1.2211	-2.5816	0.02202	0.13164	-3.4784	421
GRM2	-0.221	0.221	0.2441	-2.5805	0.022064	0.13183	-3.4802	2912
SCUBE3	-0.4543	0.4543	0.44481	-2.5805	0.022066	0.13183	-3.4803	222663

CCDC115	-2.35	2.35	4.4925	-2.58	0.022087	0.13191	-3.4812	84317
ITGB1	39.408	39.408	51.701	2.5793	0.022115	0.13203	-3.4824	3688
ZNF204P	-0.4742	0.4742	0.50561	-2.5779	0.022179	0.13235	-3.485	7754
MCOLN2	-0.33568	0.33568	0.37987	-2.5775	0.022195	0.13235	-3.4857	255231
PPAN-P2RY11	-0.78519	0.78519	1.7869	-2.5773	0.022204	0.13235	-3.486	692312
HOXC10	-1.6312	1.6312	3.6103	-2.5771	0.022209	0.13235	-3.4862	3226
MAP4K3	-1.1303	1.1303	3.8815	-2.577	0.022214	0.13235	-3.4864	8491
ZC3H12D	-0.23713	0.23713	0.35454	-2.577	0.022216	0.13235	-3.4865	340152
ABI3BP	-2.9962	2.9962	3.6235	-2.5758	0.022266	0.13254	-3.4886	25890
TPBG	5.1139	5.1139	9.6495	2.5758	0.022268	0.13254	-3.4887	7162
D2HGDH	-3.202	3.202	3.6839	-2.5757	0.022272	0.13254	-3.4888	728294
GRIK5	-0.17948	0.17948	0.12098	-2.5753	0.022287	0.13258	-3.4895	2901
ERGIC2	3.0623	3.0623	6.6075	2.5751	0.022295	0.13258	-3.4898	51290
ABLIM1	16.943	16.943	30.505	2.5747	0.022314	0.1326	-3.4906	3983
BCL10	2.5783	2.5783	5.1616	2.5747	0.022314	0.1326	-3.4906	8915
CD34	-9.3325	9.3325	14.663	-2.5742	0.022335	0.13268	-3.4914	947
CHRD1	-3.5838	3.5838	2.4459	-2.5735	0.022365	0.13281	-3.4927	91851
LDOC1	-2.3438	2.3438	4.6281	-2.5732	0.022377	0.13281	-3.4931	23641
KIAA0355	0.83295	0.83295	4.6658	2.573	0.022385	0.13281	-3.4935	9710
CASC15	0.49184	0.49184	0.52354	2.5728	0.022396	0.13281	-3.4939	401237
FAM3B	-0.20512	0.20512	0.11913	-2.5728	0.022396	0.13281	-3.4939	54097
LOC441081	-6.1969	6.1969	7.9358	-2.5721	0.022427	0.13295	-3.4952	441081
CYSLTR2	-0.21672	0.21672	0.27197	-2.5718	0.022441	0.13298	-3.4957	57105
MGC2889	-0.23675	0.23675	0.14016	-2.5712	0.022465	0.13308	-3.4967	84789
CDSN	79.736	79.736	63.616	2.5703	0.022506	0.13327	-3.4984	1041
MIR99AHG	-0.55283	0.55283	0.68893	-2.57	0.022515	0.13327	-3.4988	388815

BPHL	-0.73816	0.73816	2.0714	-2.5699	0.022521	0.13327	-3.499	670
SLAMF9	0.80889	0.80889	0.40378	2.5697	0.02253	0.13328	-3.4994	89886
CHMP1B	7.1885	7.1885	12.723	2.5689	0.022564	0.13343	-3.5008	57132
FGD3	1.6132	1.6132	2.7599	2.5683	0.02259	0.13354	-3.5018	89846
PCDHB19P	-0.1823	0.1823	0.21542	-2.5681	0.0226	0.13355	-3.5022	84054
PIR-FIGF	-0.24691	0.24691	0.14953	-2.5679	0.022607	0.13355	-3.5025	1.01E+08
IGF1R	-2.1516	2.1516	7.7416	-2.5673	0.022636	0.13365	-3.5037	3480
CAB39	6.3475	6.3475	11.824	2.5672	0.02264	0.13365	-3.5038	51719
DCTN2	8.8249	8.8249	19.141	2.5665	0.022668	0.13374	-3.505	10540
SLC5A9	-0.24959	0.24959	0.31478	-2.5665	0.022671	0.13374	-3.5051	200010
TRIM68	-0.73389	0.73389	1.227	-2.5661	0.022689	0.13379	-3.5058	55128
ANKMY2	-0.84155	0.84155	1.8541	-2.5658	0.0227	0.13382	-3.5063	57037
TRAPPC3	7.7819	7.7819	14.161	2.5656	0.02271	0.13383	-3.5067	27095
NIPAL4	16.947	16.947	21.198	2.565	0.022734	0.13392	-3.5076	348938
PRKCB	-0.35454	0.35454	0.56777	-2.5648	0.022746	0.13395	-3.5081	5579
WBP2NL	-0.19099	0.19099	0.13106	-2.5643	0.022768	0.13403	-3.509	164684
PLAC8L1	-0.21855	0.21855	0.21224	-2.5639	0.022783	0.13407	-3.5096	153770
C12orf71	-0.23173	0.23173	0.31597	-2.5632	0.022816	0.1342	-3.5109	728858
L2HGDH	-4.5225	4.5225	7.4772	-2.5628	0.02283	0.1342	-3.5115	79944
WDR27	-0.69871	0.69871	1.3071	-2.5628	0.022833	0.1342	-3.5116	253769
WLS	-3.2036	3.2036	8.2871	-2.5627	0.022838	0.1342	-3.5118	79971
NCOR1	-1.9104	1.9104	9.0167	-2.5624	0.022848	0.13422	-3.5122	9611
KCNJ13	-0.67163	0.67163	0.89015	-2.5617	0.02288	0.13434	-3.5135	3769
ZNF833P	-0.23606	0.23606	0.2605	-2.5615	0.022887	0.13434	-3.5138	401898
WFDC3	-1.3375	1.3375	0.73428	-2.5611	0.022908	0.13434	-3.5146	140686
LOC105369147	-0.24728	0.24728	0.49515	-2.5611	0.022909	0.13434	-3.5147	1.05E+08

TXNDC16	-0.41493	0.41493	0.85543	-2.5609	0.022916	0.13434	-3.5149	57544
MCM3AP-AS1	-0.36358	0.36358	0.65193	-2.5608	0.022919	0.13434	-3.515	114044
DEFB103A	39.958	39.958	22.738	2.5604	0.022939	0.13434	-3.5158	414325
DEFB103B	39.958	39.958	22.738	2.5604	0.022939	0.13434	-3.5158	55894
A2ML1	49.983	49.983	55.593	2.56	0.022957	0.13434	-3.5165	144568
PLXDC2	3.7564	3.7564	11.763	2.5599	0.022959	0.13434	-3.5166	84898
AHCYL2	-1.7058	1.7058	4.9924	-2.5599	0.022962	0.13434	-3.5167	23382
LOC105371414	-1.7071	1.7071	2.4128	-2.5597	0.022969	0.13434	-3.517	1.05E+08
SHMT1	-2.5426	2.5426	5.7939	-2.5595	0.022976	0.13434	-3.5173	6470
DBT	-0.39367	0.39367	1.2727	-2.5594	0.022982	0.13434	-3.5175	1629
NPPA-AS1	-0.29294	0.29294	0.41302	-2.5593	0.022989	0.13434	-3.5178	1E+08
KCNK6	6.6753	6.6753	11.733	2.5587	0.023012	0.13439	-3.5187	9424
SCARB1	-3.1733	3.1733	4.6024	-2.5586	0.023018	0.13439	-3.519	949
DUXAP8	0.47557	0.47557	0.55102	2.5584	0.023028	0.13439	-3.5194	503637
ALAS1	5.6479	5.6479	8.6841	2.5582	0.023034	0.13439	-3.5196	211
PSMD6	6.2334	6.2334	13.244	2.5581	0.023039	0.13439	-3.5198	9861
HAAO	-0.81632	0.81632	1.1446	-2.5579	0.02305	0.13439	-3.5202	23498
TP53BP1	-0.95941	0.95941	3.1424	-2.5578	0.023053	0.13439	-3.5204	7158
MYEF2	-0.24281	0.24281	0.23903	-2.5572	0.023081	0.1345	-3.5215	50804
LINC01419	-0.36994	0.36994	0.48557	-2.557	0.023088	0.1345	-3.5218	1.03E+08
LOC100507551	-0.36254	0.36254	0.29859	-2.5566	0.023105	0.13456	-3.5224	1.01E+08
FAM177A1	2.1852	2.1852	4.9133	2.5559	0.02314	0.13471	-3.5238	283635
NHLH1	-0.33591	0.33591	0.2405	-2.5557	0.023148	0.13472	-3.5241	4807
MC1R	-0.59565	0.59565	0.92665	-2.5551	0.023174	0.13475	-3.5252	4157
TAGLN2	85.105	85.105	140.39	2.5551	0.023175	0.13475	-3.5252	8407
RHOF	0.4508	0.4508	0.81068	2.5549	0.023184	0.13475	-3.5256	54509

TMC4	-0.85756	0.85756	0.80608	-2.5546	0.023198	0.13475	-3.5261	147798
AQP7	-0.31626	0.31626	0.20882	-2.5543	0.023208	0.13475	-3.5265	364
LINC-ROR	0.24786	0.24786	0.1692	2.554	0.023222	0.13475	-3.527	1.01E+08
WASL	4.2026	4.2026	9.826	2.5539	0.023226	0.13475	-3.5272	8976
LGI4	-1.9817	1.9817	2.1055	-2.5539	0.023227	0.13475	-3.5273	163175
MFSD1	6.4175	6.4175	13.041	2.5538	0.023234	0.13475	-3.5275	64747
MEGF6	-5.2296	5.2296	5.8245	-2.5537	0.023237	0.13475	-3.5277	1953
PROSER1	-0.92222	0.92222	3.9741	-2.5536	0.023242	0.13475	-3.5279	80209
VANGL2	-2.5875	2.5875	5.8553	-2.5533	0.023255	0.13478	-3.5283	57216
PIAS2	-0.5885	0.5885	1.0069	-2.5529	0.023271	0.13483	-3.529	9063
GLUD1P3	-0.63661	0.63661	1.0929	-2.5519	0.023316	0.13504	-3.5307	2749
CCNC	3.7538	3.7538	6.8348	2.5517	0.023324	0.13504	-3.5311	892
CYB5R4	2.2517	2.2517	3.4112	2.5513	0.023346	0.13505	-3.5319	51167
PHACTR1	-0.38946	0.38946	0.75119	-2.5512	0.02335	0.13505	-3.5321	221692
CHP2	-6.9726	6.9726	5.4222	-2.5511	0.023354	0.13505	-3.5322	63928
PRH1-PRR4	-0.49815	0.49815	0.59713	-2.5509	0.023361	0.13505	-3.5325	1.01E+08
POU5F1P3	-0.3308	0.3308	0.3833	-2.5508	0.023365	0.13505	-3.5327	642559
B3GNT10	-0.28229	0.28229	0.51708	-2.5504	0.023383	0.13509	-3.5334	1E+08
FRAT2	-1.6228	1.6228	4.0061	-2.5503	0.023388	0.13509	-3.5336	23401
ANKRD16	-0.64022	0.64022	1.3284	-2.5493	0.023436	0.13532	-3.5354	54522
CYP1A1	-0.40082	0.40082	0.2299	-2.5489	0.023452	0.13534	-3.5361	1543
RAP2B	7.7275	7.7275	10.23	2.5488	0.023456	0.13534	-3.5362	5912
GPR78	0.40251	0.40251	0.2033	2.5484	0.023477	0.13541	-3.537	27201
ALPK2	0.47273	0.47273	0.45993	2.548	0.023492	0.13542	-3.5376	115701
STK39	3.7572	3.7572	7.1524	2.5479	0.023497	0.13542	-3.5378	27347
SLC9A5	-0.27675	0.27675	0.39211	-2.5478	0.023502	0.13542	-3.538	6553

DERL3	-0.33913	0.33913	0.40074	-2.5474	0.023522	0.13544	-3.5388	91319
NIPIA1	-5.2805	5.2805	6.8885	-2.5474	0.023522	0.13544	-3.5388	9284
IER2	24.491	24.491	38.452	2.5472	0.023529	0.13544	-3.5391	9592
MAP1LC3B	11.266	11.266	18.62	2.5464	0.023565	0.13549	-3.5405	81631
LINC01678	-0.53784	0.53784	0.58663	-2.5464	0.023567	0.13549	-3.5405	1.05E+08
STKLD1	-0.19548	0.19548	0.19524	-2.5463	0.02357	0.13549	-3.5406	169436
BEND7	-0.30354	0.30354	0.27199	-2.5463	0.023571	0.13549	-3.5407	222389
BCAS1	-0.32408	0.32408	0.27255	-2.5458	0.023593	0.13558	-3.5416	8537
HMOX2	9.8924	9.8924	10.427	2.5435	0.023699	0.13614	-3.5456	3163
DCTN6	6.3862	6.3862	9.6147	2.542	0.023766	0.13648	-3.5482	10671
BCDIN3D-AS1	-0.15228	0.15228	0.12333	-2.5417	0.023781	0.13652	-3.5488	1E+08
RGN	-0.19277	0.19277	0.24468	-2.5413	0.023799	0.13653	-3.5495	9104
RAI2	-1.4458	1.4458	1.8807	-2.5413	0.0238	0.13653	-3.5495	10742
BHMT2	-0.34181	0.34181	0.5677	-2.541	0.023813	0.13654	-3.55	23743
SNORA53	-10.899	10.899	16.081	-2.5409	0.023818	0.13654	-3.5502	677832
NREP	4.8988	4.8988	6.1577	2.5406	0.023828	0.13655	-3.5506	9315
CYSRT1	27.972	27.972	25.941	2.5405	0.023835	0.13655	-3.5509	375791
CEP95	-1.4497	1.4497	3.3084	-2.54	0.023859	0.13664	-3.5518	90799
TMX3	1.6155	1.6155	3.4605	2.5397	0.023873	0.13667	-3.5523	54495
SLC6A4	-0.29165	0.29165	0.28926	-2.5392	0.023894	0.13675	-3.5531	6532
ADH1A	-0.21483	0.21483	0.13787	-2.5386	0.023921	0.13685	-3.5542	124
VWA8	-0.8542	0.8542	2.6343	-2.5381	0.023946	0.13695	-3.5551	23078
TM9SF2	8.2094	8.2094	20.567	2.5368	0.024006	0.13713	-3.5574	9375
NFATC3	-1.272	1.272	7.3591	-2.5366	0.024016	0.13713	-3.5578	4775
IL1F10	1.4274	1.4274	1.5654	2.5365	0.02402	0.13713	-3.5579	84639
ZNF529	-0.37467	0.37467	0.78872	-2.5364	0.024024	0.13713	-3.5581	57711

ZNF185	29.94	29.94	30.694	2.5361	0.024037	0.13713	-3.5586	7739
WDR90	-1.0733	1.0733	1.8722	-2.5361	0.024037	0.13713	-3.5586	197335
GALNT6	9.0246	9.0246	10.549	2.536	0.024041	0.13713	-3.5587	11226
KNSTRN	1.9643	1.9643	2.2139	2.536	0.024042	0.13713	-3.5588	90417
LOC728715	-0.85586	0.85586	1.086	-2.5357	0.024054	0.13715	-3.5592	728715
RELL2	1.2234	1.2234	1.7675	2.5349	0.024093	0.13732	-3.5607	285613
LINC01852	-0.2253	0.2253	0.24651	-2.5346	0.024107	0.13736	-3.5612	1.08E+08
PEX13	1.4301	1.4301	3.3529	2.5343	0.024123	0.1374	-3.5618	5194
RNF32	-0.32861	0.32861	0.50582	-2.5341	0.02413	0.1374	-3.5621	140545
ZNF48	-0.49177	0.49177	0.88343	-2.5332	0.02417	0.13754	-3.5636	197407
ATXN7	-1.1282	1.1282	4.6179	-2.5331	0.024175	0.13754	-3.5638	6314
EGR1	12.97	12.97	25.994	2.5327	0.024193	0.13754	-3.5645	1958
CLASRP	-2.3517	2.3517	6.6739	-2.5326	0.024198	0.13754	-3.5647	11129
SH3GL3	0.43882	0.43882	0.32346	2.5325	0.024206	0.13754	-3.565	6457
LOC100287497	-0.48787	0.48787	0.75836	-2.5323	0.024213	0.13754	-3.5652	1E+08
SNX16	0.92705	0.92705	1.8609	2.5322	0.02422	0.13754	-3.5655	64089
ADRA2B	-0.26577	0.26577	0.20071	-2.5321	0.024225	0.13754	-3.5657	151
GAS1RR	-0.21741	0.21741	0.16797	-2.532	0.024228	0.13754	-3.5658	1.01E+08
DLEC1	-0.16154	0.16154	0.1684	-2.5318	0.024238	0.13755	-3.5662	9940
GOLGA8H	-0.21027	0.21027	0.20776	-2.5316	0.024248	0.13756	-3.5666	728498
NUDT16	-1.0769	1.0769	1.8475	-2.5312	0.024263	0.1376	-3.5671	131870
RAP1GAP	2.3681	2.3681	2.1384	2.5311	0.024271	0.1376	-3.5674	5909
ARHGAP19	-0.47595	0.47595	1.2663	-2.5309	0.02428	0.1376	-3.5678	84986
ZNF595	-0.85144	0.85144	1.553	-2.5298	0.024331	0.13784	-3.5697	152687
RRP8	-0.96141	0.96141	3.5103	-2.5292	0.02436	0.13787	-3.5708	23378
ZNF621	-0.89908	0.89908	2.1443	-2.5289	0.024371	0.13787	-3.5712	285268

S100A7	1981.1	1981.1	1817.2	2.5289	0.024373	0.13787	-3.5713	6278
FAF1	-1.9734	1.9734	9.0557	-2.5289	0.024375	0.13787	-3.5713	11124
SREBF1	-5.1903	5.1903	10.157	-2.5288	0.024377	0.13787	-3.5714	6720
TH	0.19364	0.19364	0.14439	2.5286	0.024388	0.13788	-3.5718	7054
PRKAA2	-0.2036	0.2036	0.17995	-2.5284	0.024397	0.13788	-3.5722	5563
ARPC5L	6.1159	6.1159	9.3522	2.5283	0.024402	0.13788	-3.5723	81873
GAS6	-13.161	13.161	24.427	-2.5281	0.024411	0.13788	-3.5727	2621
DAPK1	-1.0499	1.0499	1.5849	-2.5277	0.024431	0.13788	-3.5734	1612
RAB5IF	15.928	15.928	22.509	2.5276	0.024431	0.13788	-3.5734	55969
RDH11	3.3463	3.3463	7.9558	2.5276	0.024434	0.13788	-3.5736	51109
GNPNAT1	3.7403	3.7403	4.202	2.527	0.024462	0.13796	-3.5746	64841
UBE2D1	1.3206	1.3206	2.0284	2.5269	0.024465	0.13796	-3.5747	7321
KIF21A	0.88569	0.88569	2.368	2.5267	0.024476	0.13797	-3.5751	55605
TBILA	-2.8075	2.8075	2.3568	-2.5264	0.024488	0.138	-3.5756	1.13E+08
SNORA22	-0.80869	0.80869	0.60559	-2.5248	0.024565	0.13838	-3.5784	677807
FAM161B	-0.32565	0.32565	0.68043	-2.5243	0.024589	0.1384	-3.5793	145483
MEGF11	-0.38759	0.38759	0.51559	-2.5242	0.024592	0.1384	-3.5794	84465
NTAN1	6.8925	6.8925	9.4146	2.5242	0.024593	0.1384	-3.5795	123803
SOCS6	1.416	1.416	3.1851	2.5238	0.024615	0.13843	-3.5803	9306
TOP1	7.0797	7.0797	13.111	2.5236	0.024622	0.13843	-3.5805	7150
PDZK1	-0.35304	0.35304	0.37969	-2.5236	0.024623	0.13843	-3.5806	5174
SEC31A	5.589	5.589	18.386	2.5229	0.024657	0.13858	-3.5818	22872
SMG1P1	-10.702	10.702	14.506	-2.5226	0.024671	0.13861	-3.5823	641298
SNORD10	-11.59	11.59	14.325	-2.5222	0.024689	0.13866	-3.583	652966
EHMT1	-1.1951	1.1951	3.9066	-2.522	0.0247	0.13868	-3.5834	79813
ULK4	-0.58788	0.58788	1.1573	-2.5217	0.024711	0.13869	-3.5838	54986

PTBP3	8.6855	8.6855	16.815	2.5211	0.02474	0.13871	-3.5849	9991
PEA15	20.695	20.695	32.573	2.521	0.024747	0.13871	-3.5852	8682
GPSM1	2.8919	2.8919	5.0487	2.5209	0.024751	0.13871	-3.5853	26086
CHL1-AS1	-0.53164	0.53164	0.43777	-2.5207	0.024758	0.13871	-3.5856	1.02E+08
SEMA4F	-0.32652	0.32652	0.61601	-2.5207	0.024758	0.13871	-3.5856	10505
LOC100128288	-0.29295	0.29295	0.42723	-2.5205	0.024768	0.13871	-3.5859	1E+08
C15orf56	-0.33989	0.33989	0.47105	-2.5205	0.02477	0.13871	-3.586	644809
LOC101928673	-0.40264	0.40264	0.55236	-2.5201	0.024786	0.13873	-3.5866	1.02E+08
SH2D2A	1.2761	1.2761	1.125	2.52	0.024792	0.13873	-3.5868	9047
ANKRD36C	-1.3318	1.3318	1.8511	-2.5191	0.024835	0.13893	-3.5884	400986
MAL2	22.282	22.282	39.753	2.5188	0.024849	0.13894	-3.5889	114569
SHOC2	2.5605	2.5605	6.5077	2.5186	0.024858	0.13894	-3.5893	8036
CMTM4	-0.92579	0.92579	3.6009	-2.5186	0.024862	0.13894	-3.5894	146223
ACP5	19.732	19.732	19.139	2.5179	0.024892	0.13906	-3.5905	54
DLG1	2.5701	2.5701	8.1108	2.5176	0.024909	0.1391	-3.5911	1739
FBXL14	-0.71192	0.71192	1.8509	-2.5174	0.024916	0.1391	-3.5913	144699
C7	-2.0511	2.0511	1.2153	-2.5171	0.02493	0.13911	-3.5919	730
SUGT1	2.932	2.932	6.1815	2.5171	0.024934	0.13911	-3.592	10910
ZNF628	-0.62818	0.62818	1.3917	-2.5167	0.024953	0.13911	-3.5927	89887
MMP10	3.5786	3.5786	1.7269	2.5166	0.024956	0.13911	-3.5928	4319
LOC101927248	-0.22409	0.22409	0.16557	-2.5164	0.024966	0.13911	-3.5932	1.02E+08
PPOX	-0.84947	0.84947	2.0911	-2.5163	0.02497	0.13911	-3.5933	5498
NGFR	-2.3393	2.3393	2.0025	-2.5162	0.024975	0.13911	-3.5935	4804
LOC102723582	-0.49925	0.49925	0.79668	-2.5158	0.024996	0.13914	-3.5943	1.03E+08
ARPC5	13.024	13.024	24.649	2.5157	0.025001	0.13914	-3.5945	10092
SLC16A11	-0.68908	0.68908	0.70999	-2.5156	0.025004	0.13914	-3.5946	162515

CCDC17	-0.35034	0.35034	0.53249	-2.5153	0.025018	0.13917	-3.5951	149483
GHRLOS	-0.85895	0.85895	1.0408	-2.5149	0.025038	0.13923	-3.5958	1E+08
TEX9	-0.5977	0.5977	0.88633	-2.5145	0.025059	0.1393	-3.5966	374618
NR6A1	-0.38434	0.38434	0.71626	-2.5143	0.025067	0.1393	-3.5969	2649
SULF1	6.3891	6.3891	5.4341	2.5141	0.025077	0.13931	-3.5972	23213
DSG3	155.76	155.76	131.1	2.5139	0.025087	0.13933	-3.5976	1830
MB	-0.40179	0.40179	0.29404	-2.513	0.025128	0.1395	-3.5991	4151
TNFRSF10D	2.2764	2.2764	2.2506	2.512	0.025178	0.13968	-3.6009	8793
ZC3H10	-0.66058	0.66058	1.3167	-2.5118	0.025187	0.13968	-3.6012	84872
NSD1	-1.1192	1.1192	7.3351	-2.5118	0.025187	0.13968	-3.6012	64324
TIMP3	-16.891	16.891	21.245	-2.5117	0.025193	0.13968	-3.6014	7078
TAF3	-0.91448	0.91448	2.3417	-2.511	0.025225	0.13976	-3.6026	83860
TF	-0.49181	0.49181	0.38948	-2.5106	0.025245	0.13976	-3.6033	7018
WDR60	-0.74569	0.74569	1.9251	-2.5106	0.025246	0.13976	-3.6034	55112
ADGRE4P	-0.30698	0.30698	0.34785	-2.5106	0.025247	0.13976	-3.6034	326342
PCID2	-0.41967	0.41967	2.3984	-2.5103	0.02526	0.13976	-3.6039	55795
ETFA	5.791	5.791	12.662	2.5102	0.025263	0.13976	-3.604	2108
INA	0.82108	0.82108	0.85326	2.5102	0.025265	0.13976	-3.6041	9118
NBPF10	-1.6473	1.6473	6.0351	-2.51	0.025274	0.13976	-3.6044	1E+08
TPT1	121.98	121.98	207.93	2.5095	0.0253	0.1398	-3.6053	7178
H19	26.659	26.659	22.243	2.5093	0.02531	0.1398	-3.6057	283120
HIF1A	29.576	29.576	39.543	2.5093	0.02531	0.1398	-3.6057	3091
KDM4A-AS1	-0.48368	0.48368	0.72529	-2.5092	0.025313	0.1398	-3.6058	1E+08
ATP5MD	13.839	13.839	18.24	2.5086	0.025343	0.1398	-3.6069	84833
CPSF6	-1.6467	1.6467	4.8787	-2.5086	0.025343	0.1398	-3.6069	11052
SLC22A15	0.29197	0.29197	1.2758	2.5084	0.02535	0.1398	-3.6071	55356

SLC39A11	-1.2749	1.2749	3.231	-2.5083	0.025359	0.1398	-3.6074	201266
LINC02178	0.37338	0.37338	0.38767	2.5082	0.025362	0.1398	-3.6075	1.05E+08
SNORA54	-14.141	14.141	15.857	-2.5082	0.025363	0.1398	-3.6076	677833
MGME1	-1.5231	1.5231	4.6544	-2.5079	0.025376	0.13983	-3.6081	92667
CHAF1A	-1.2	1.2	2.6502	-2.5075	0.025397	0.13984	-3.6088	10036
CMA1	-1.3594	1.3594	1.9447	-2.5075	0.025398	0.13984	-3.6089	1215
PITHD1	12.029	12.029	22.046	2.5074	0.025403	0.13984	-3.609	57095
KLRG2	-1.0582	1.0582	1.2373	-2.5069	0.025424	0.13989	-3.6098	346689
WSB1	4.979	4.979	13.404	2.5067	0.025433	0.13989	-3.6101	26118
CCL28	-0.60265	0.60265	1.0111	-2.5067	0.025437	0.13989	-3.6102	56477
ZNF134	-0.62864	0.62864	1.9431	-2.506	0.025467	0.1399	-3.6113	7693
PSMA5	4.1391	4.1391	6.3313	2.5059	0.025473	0.1399	-3.6115	5686
ZNF346	-0.35676	0.35676	1.5714	-2.5057	0.025485	0.1399	-3.612	23567
CYBRD1	-13.567	13.567	20.083	-2.5057	0.025486	0.1399	-3.612	79901
SMIM22	-0.32622	0.32622	0.22783	-2.5056	0.025491	0.1399	-3.6122	440335
TVP23C-CDRT4	-0.5356	0.5356	1.2939	-2.5055	0.025496	0.1399	-3.6124	1.01E+08
SETD1A	-1.6973	1.6973	4.1983	-2.5054	0.025497	0.1399	-3.6124	9739
TMEM132B	-0.22965	0.22965	0.24149	-2.5049	0.025521	0.13998	-3.6133	114795
ADAM19	1.7889	1.7889	2.068	2.5045	0.025545	0.14001	-3.6141	8728
ANKK1	-0.32329	0.32329	0.47104	-2.5043	0.025555	0.14001	-3.6145	255239
USP27X	-0.32435	0.32435	0.53364	-2.5042	0.025555	0.14001	-3.6145	389856
USP15	1.6474	1.6474	3.9196	2.5042	0.025558	0.14001	-3.6146	9958
CCDC180	-0.17256	0.17256	0.11803	-2.504	0.025567	0.14001	-3.6149	1E+08
AUP1	8.2363	8.2363	19.088	2.5033	0.025603	0.14011	-3.6162	550
ZMIZ1-AS1	-0.34835	0.34835	0.43264	-2.5032	0.025605	0.14011	-3.6163	283050
SLC25A43	2.4227	2.4227	5.6536	2.5031	0.02561	0.14011	-3.6164	203427

RGS6	-0.1737	0.1737	0.11091	-2.5025	0.025639	0.14022	-3.6175	9628
NTRK3	-0.73684	0.73684	0.422	-2.5022	0.025657	0.14027	-3.6181	4916
LINC02568	-0.18795	0.18795	0.11048	-2.501	0.025714	0.14054	-3.6201	1.03E+08
SLC52A3	-0.57091	0.57091	0.69531	-2.5	0.025762	0.14063	-3.6218	113278
PROM1	-0.80317	0.80317	0.49813	-2.5	0.025765	0.14063	-3.6219	8842
ABHD12B	-1.4594	1.4594	1.2833	-2.4999	0.025768	0.14063	-3.622	145447
TAB2	4.3889	4.3889	9.7098	2.4999	0.025771	0.14063	-3.6221	23118
MFS11	0.83058	0.83058	3.5791	2.4999	0.025771	0.14063	-3.6221	79157
PCYOX1L	0.99051	0.99051	2.3467	2.4988	0.025824	0.14087	-3.624	78991
VDAC2	15.753	15.753	30.577	2.4985	0.025838	0.1409	-3.6245	7417
MELTF	-1.8533	1.8533	1.2241	-2.4975	0.025887	0.14101	-3.6262	4241
STAG3L1	-0.3144	0.3144	0.66641	-2.4975	0.025888	0.14101	-3.6263	54441
KDM5B	2.4903	2.4903	8.2916	2.4975	0.02589	0.14101	-3.6263	10765
FGF7P3	-0.26952	0.26952	0.3486	-2.4972	0.025902	0.14101	-3.6268	654466
ACAA1	8.3892	8.3892	14.653	2.4971	0.025909	0.14101	-3.627	30
SOX5	-0.65814	0.65814	0.63409	-2.4968	0.025923	0.14101	-3.6275	6660
PHF3	-2.1385	2.1385	4.5359	-2.4967	0.025926	0.14101	-3.6276	23469
PPP2R2C	13.792	13.792	18.225	2.4966	0.025932	0.14101	-3.6278	5522
SUSD2	-2.1785	2.1785	2.8702	-2.4966	0.025933	0.14101	-3.6279	56241
CDYL2	0.97574	0.97574	1.5296	2.4964	0.025945	0.14101	-3.6283	124359
CXCL8	39.537	39.537	19.476	2.4962	0.025953	0.14101	-3.6286	3576
LOC101927827	-0.46083	0.46083	0.37633	-2.4961	0.025959	0.14101	-3.6288	1.02E+08
AKR7L	-0.24998	0.24998	0.22412	-2.4952	0.026003	0.1412	-3.6303	246181
VAMP2	-4.5694	4.5694	15.102	-2.4949	0.026018	0.14124	-3.6308	6844
PSMD8	21.492	21.492	36.199	2.494	0.026064	0.14137	-3.6325	5714
FAM149A	-0.50643	0.50643	0.44877	-2.4939	0.026068	0.14137	-3.6326	25854

SS18L2	3.7418	3.7418	5.1916	2.4939	0.026068	0.14137	-3.6326	51188
STPG3-AS1	-0.18074	0.18074	0.1497	-2.4938	0.026075	0.14137	-3.6328	1E+08
PACS2	-1.9105	1.9105	3.6887	-2.4935	0.026088	0.14139	-3.6333	23241
PPP1R9A	-0.20672	0.20672	0.14047	-2.4932	0.026104	0.14143	-3.6338	55607
PRB3	-0.25044	0.25044	0.15685	-2.4928	0.026124	0.1415	-3.6345	5544
METTL24	-0.24384	0.24384	0.30345	-2.4919	0.026166	0.14168	-3.636	728464
DZIP1L	-1.03	1.03	1.5748	-2.4917	0.026178	0.1417	-3.6364	199221
CDRT3	-0.46719	0.46719	0.45308	-2.4903	0.026248	0.14194	-3.6388	94145
SRGAP2-AS1	-0.51311	0.51311	0.72679	-2.4903	0.026249	0.14194	-3.6389	1.01E+08
FAM184A	-0.19559	0.19559	0.18869	-2.4903	0.02625	0.14194	-3.6389	79632
RASSF1-AS1	-0.9911	0.9911	0.95454	-2.4901	0.026256	0.14194	-3.6391	1.02E+08
INO80C	2.3808	2.3808	4.3184	2.4898	0.026276	0.142	-3.6398	125476
LRRC26	-1.7465	1.7465	0.98481	-2.4891	0.026308	0.14213	-3.6409	389816
LHX4-AS1	-0.44163	0.44163	0.71064	-2.4887	0.026331	0.1422	-3.6417	1.01E+08
EXOC4	-1.4128	1.4128	9.0879	-2.4885	0.02634	0.1422	-3.642	60412
FAM83A-AS1	1.181	1.181	0.94738	2.4881	0.026358	0.1422	-3.6427	1E+08
SPAG1	1.2983	1.2983	1.6255	2.488	0.026364	0.1422	-3.6429	6674
BSPRY	7.0322	7.0322	8.6974	2.488	0.026366	0.1422	-3.6429	54836
KANK1	5.7209	5.7209	10.69	2.4879	0.026371	0.1422	-3.6431	23189
FMO6P	-0.19983	0.19983	0.15274	-2.4872	0.026406	0.14224	-3.6443	388714
BBS5	-5.386	5.386	8.8713	-2.4872	0.026407	0.14224	-3.6444	129880
ADM5	-0.59295	0.59295	0.93386	-2.4871	0.026412	0.14224	-3.6445	199800
PCDHGA4	-0.23641	0.23641	0.45386	-2.487	0.026413	0.14224	-3.6446	56111
ARHGEF38	-0.17251	0.17251	0.10102	-2.4868	0.026423	0.14225	-3.6449	54848
NEXMIF	-0.1882	0.1882	0.15896	-2.4867	0.026432	0.14225	-3.6452	340533
RNF180	-0.30705	0.30705	0.47862	-2.4856	0.026488	0.14243	-3.6471	285671

GGA3	-1.5094	1.5094	4.9202	-2.4855	0.02649	0.14243	-3.6472	23163
WNT10B	-0.40231	0.40231	0.42895	-2.4855	0.02649	0.14243	-3.6472	7480
FTX	-0.9063	0.9063	2.2141	-2.4852	0.026508	0.14247	-3.6478	1E+08
C3orf52	-3.3826	3.3826	3.5313	-2.4849	0.026523	0.14247	-3.6483	79669
ADCYAP1	0.58418	0.58418	0.57023	2.4847	0.026531	0.14247	-3.6486	116
NSUN4	-0.40053	0.40053	1.83	-2.4846	0.026535	0.14247	-3.6488	387338
MDFIC	1.6609	1.6609	3.3289	2.4845	0.026543	0.14247	-3.649	29969
FGFR1OP2	1.6049	1.6049	3.6368	2.4842	0.026558	0.14247	-3.6496	26127
LTBP1	11.683	11.683	13.734	2.484	0.026567	0.14247	-3.6499	4052
TMEM184B	5.003	5.003	8.8109	2.4838	0.026575	0.14247	-3.6501	25829
ST6GAL1	-1.4786	1.4786	2.8102	-2.4838	0.026576	0.14247	-3.6502	6480
LINC01569	-0.20013	0.20013	0.19481	-2.4836	0.026586	0.14247	-3.6505	1.01E+08
CCDC125	-0.34448	0.34448	1.1638	-2.4834	0.026597	0.14247	-3.6509	202243
SEMA6A	-1.2105	1.2105	1.8881	-2.4832	0.026606	0.14247	-3.6512	57556
HSPH1	10.985	10.985	9.2943	2.4832	0.026607	0.14247	-3.6512	10808
ANKAR	-0.28556	0.28556	0.37486	-2.4825	0.026645	0.1425	-3.6525	150709
LINGO3	-0.28922	0.28922	0.35546	-2.4825	0.026646	0.1425	-3.6526	645191
LY6H	0.5179	0.5179	0.31564	2.4821	0.026662	0.1425	-3.6531	4062
FSTL4	-0.53842	0.53842	0.49994	-2.4821	0.026665	0.1425	-3.6532	23105
DCDC2B	-0.39448	0.39448	0.53907	-2.482	0.026671	0.1425	-3.6534	149069
ZDHHC15	-0.18218	0.18218	0.15341	-2.4819	0.026675	0.1425	-3.6535	158866
C12orf4	1.0653	1.0653	2.2261	2.4819	0.026677	0.1425	-3.6536	57102
GRHL2	-3.2624	3.2624	7.6739	-2.4818	0.02668	0.1425	-3.6537	79977
LRIT2	-0.38674	0.38674	0.24691	-2.4816	0.02669	0.1425	-3.6541	340745
EFHC1	-0.49802	0.49802	1.0832	-2.4814	0.026698	0.1425	-3.6543	114327
LOC644090	-0.18631	0.18631	0.18206	-2.4812	0.026713	0.14252	-3.6548	644090

UBE2Q2L	-0.53292	0.53292	1.2415	-2.481	0.026721	0.14252	-3.6551	1.01E+08
MAP2K6	-0.30231	0.30231	0.47614	-2.4809	0.026726	0.14252	-3.6553	5608
ZNF853	-0.48267	0.48267	0.54648	-2.4802	0.026761	0.14266	-3.6565	54753
ZNF436	-1.9345	1.9345	4.7394	-2.4799	0.026776	0.14268	-3.657	80818
B4GALT1-AS1	0.31062	0.31062	0.34039	2.4798	0.026781	0.14268	-3.6572	1.02E+08
MLH3	-0.72334	0.72334	1.9758	-2.4796	0.026791	0.14268	-3.6575	27030
GPR18	-0.66752	0.66752	1.2282	-2.4793	0.02681	0.14274	-3.6581	2841
ACSM5	-0.25979	0.25979	0.20418	-2.4786	0.026843	0.14282	-3.6593	54988
CCAR2	-3.7545	3.7545	9.9051	-2.4784	0.026854	0.14282	-3.6596	57805
LINC02562	-0.2804	0.2804	0.30581	-2.4782	0.026862	0.14282	-3.6599	1.05E+08
PACRGL	-0.38083	0.38083	1.0423	-2.4781	0.026868	0.14282	-3.6601	133015
CAMK2G	-0.95316	0.95316	3.2248	-2.478	0.026876	0.14282	-3.6604	818
LMCD1-AS1	-0.1591	0.1591	0.11031	-2.4779	0.026882	0.14282	-3.6606	1E+08
TMEM183A	-0.66601	0.66601	1.7754	-2.4777	0.026889	0.14282	-3.6608	92703
GKAP1	-0.22892	0.22892	0.35763	-2.4775	0.026898	0.14282	-3.6611	80318
ABCA5	-1.9057	1.9057	2.9923	-2.4775	0.026901	0.14282	-3.6612	23461
MBLAC2	-0.25798	0.25798	1.0115	-2.4773	0.026911	0.14283	-3.6615	153364
SCARNA5	-40.582	40.582	46.198	-2.4768	0.026937	0.14289	-3.6624	677775
SNORA71D	-1.2897	1.2897	1.054	-2.4767	0.02694	0.14289	-3.6625	677840
C17orf100	-0.43266	0.43266	0.93861	-2.4764	0.026958	0.14294	-3.6631	388327
MS4A4E	-0.45061	0.45061	0.55052	-2.4758	0.026987	0.14305	-3.6641	643680
LAMA2	-4.3874	4.3874	5.9822	-2.4755	0.027004	0.1431	-3.6647	3908
TRABD2B	-0.42312	0.42312	0.62468	-2.4749	0.027034	0.14321	-3.6657	388630
TNP1	-0.17424	0.17424	0.092926	-2.4747	0.027045	0.14321	-3.6661	7141
TMEM86B	-0.64028	0.64028	1.1497	-2.4746	0.02705	0.14321	-3.6663	255043
UPK3B	-1.1909	1.1909	1.1478	-2.4743	0.027065	0.14323	-3.6668	1.05E+08

SRRM2	-14.598	14.598	43.827	-2.4739	0.027084	0.14323	-3.6674	23524
WSCD2	-0.24998	0.24998	0.18127	-2.4739	0.027087	0.14323	-3.6675	9671
NIT1	1.4545	1.4545	3.6508	2.4739	0.027088	0.14323	-3.6675	4817
BHLHE41	-0.88554	0.88554	1.2219	-2.4736	0.027101	0.14325	-3.668	79365
MRPL36	7.6653	7.6653	10.469	2.4733	0.027118	0.14329	-3.6685	64979
LINC02367	-0.18534	0.18534	0.1534	-2.4728	0.027142	0.14338	-3.6694	1.02E+08
EIF6	27.565	27.565	47.038	2.4722	0.027177	0.14352	-3.6705	3692
DNAJB1	22.738	22.738	37.874	2.4717	0.027199	0.14357	-3.6712	3337
TTPAL	2.1858	2.1858	5.4812	2.4716	0.027204	0.14357	-3.6714	79183
TNFRSF14	-1.8296	1.8296	3.0552	-2.4709	0.02724	0.14372	-3.6726	8764
PELI1	5.6986	5.6986	10.35	2.4701	0.027283	0.1439	-3.6741	57162
TRIP10	6.287	6.287	13.067	2.4699	0.027297	0.14393	-3.6745	9322
ZNF768	-2.2409	2.2409	3.8116	-2.4697	0.027308	0.14394	-3.6749	79724
ZNF224	-0.80792	0.80792	1.8029	-2.4693	0.027324	0.14398	-3.6754	7767
HOXC-AS1	-0.646	0.646	0.83453	-2.4687	0.027357	0.14409	-3.6765	1.01E+08
RABGAP1L	-0.94789	0.94789	2.5562	-2.4686	0.027364	0.14409	-3.6768	9910
PPP2CA	11.032	11.032	19.312	2.4682	0.027385	0.14409	-3.6775	5515
GRHL1	12.21	12.21	21.939	2.4681	0.027391	0.14409	-3.6777	29841
ABCG4	2.408	2.408	1.785	2.468	0.027397	0.14409	-3.6778	64137
SMARCD3	-1.8188	1.8188	2.441	-2.4679	0.027399	0.14409	-3.6779	6604
TALDO1	21.142	21.142	38.299	2.4676	0.027414	0.14409	-3.6784	6888
ZNF709	-0.22366	0.22366	0.42476	-2.4672	0.027438	0.14409	-3.6792	163051
MFAP4	-19.638	19.638	23.696	-2.467	0.027446	0.14409	-3.6795	4239
PCMTD2	-1.5466	1.5466	5.0768	-2.4667	0.027465	0.14409	-3.6801	55251
SLC20A2	6.3172	6.3172	10.483	2.4665	0.027475	0.14409	-3.6804	6575
ABCC9	-6.7393	6.7393	12.401	-2.4665	0.027475	0.14409	-3.6805	10060

CLEC4F	-0.16568	0.16568	0.10124	-2.4662	0.027487	0.14409	-3.6808	165530
FAM166A	0.48116	0.48116	0.62054	2.4662	0.027491	0.14409	-3.681	401565
VEZT	1.3351	1.3351	4.0581	2.4659	0.027502	0.14409	-3.6813	55591
MCCC1	-1.0636	1.0636	2.9151	-2.4659	0.027504	0.14409	-3.6814	56922
ADCK1	-0.43217	0.43217	1.1383	-2.4658	0.027508	0.14409	-3.6815	57143
SERTAD1	6.8245	6.8245	9.13	2.4658	0.027511	0.14409	-3.6816	29950
CCDC80	-14.929	14.929	19.182	-2.4658	0.027511	0.14409	-3.6816	151887
TDRP	0.55078	0.55078	1.3357	2.4656	0.027522	0.14409	-3.682	157695
PPP2R3C	1.3636	1.3636	2.3945	2.4655	0.027524	0.14409	-3.682	55012
PIGN	2.0609	2.0609	4.5547	2.4652	0.027543	0.14415	-3.6827	23556
ADAM12	5.1719	5.1719	3.675	2.4644	0.027582	0.14429	-3.684	8038
COPB2	8.2408	8.2408	17.865	2.4642	0.027594	0.14429	-3.6844	9276
C21orf62	-0.2118	0.2118	0.23318	-2.4642	0.027596	0.14429	-3.6844	56245
SSR3	5.7858	5.7858	11.74	2.4637	0.027623	0.14434	-3.6853	6747
ENTPD3	1.6979	1.6979	3.2855	2.4636	0.027625	0.14434	-3.6854	956
LAMP2	4.6832	4.6832	10.47	2.4635	0.027632	0.14434	-3.6856	3920
ELMOD3	-0.65418	0.65418	2.1523	-2.4632	0.027646	0.14434	-3.6861	84173
ADAMTS9-AS2	-0.49092	0.49092	0.60974	-2.4632	0.02765	0.14434	-3.6862	1.01E+08
TRIM25	-4.2088	4.2088	9.4221	-2.4627	0.027675	0.1444	-3.687	7706
LOC728673	-0.30386	0.30386	0.61744	-2.4625	0.027685	0.1444	-3.6874	728673
TPGS2	1.8366	1.8366	4.1903	2.4625	0.027686	0.1444	-3.6874	25941
ZCCHC9	1.709	1.709	3.7373	2.4622	0.027698	0.14441	-3.6878	84240
SMIM1	-0.33118	0.33118	0.2741	-2.4621	0.027705	0.14441	-3.688	388588
TAPBPL	-1.7941	1.7941	2.876	-2.4618	0.027722	0.14444	-3.6886	55080
RCL1	-1.0725	1.0725	3.4885	-2.4616	0.027733	0.14444	-3.6889	10171
AGTR1	-0.36738	0.36738	0.35757	-2.4615	0.027737	0.14444	-3.6891	185

LINC00910	-0.16634	0.16634	0.20872	-2.4613	0.027749	0.14446	-3.6895	1E+08
SSBP3-AS1	-0.42903	0.42903	0.51895	-2.4609	0.027767	0.14449	-3.6901	619518
TUBA8	-0.17834	0.17834	0.28052	-2.4609	0.027771	0.14449	-3.6902	51807
LINC00672	-0.24074	0.24074	0.25909	-2.4595	0.027845	0.14482	-3.6926	1.01E+08
RXRA	-6.499	6.499	14.771	-2.4593	0.027852	0.14482	-3.6928	6256
SEC14L1P1	-0.42667	0.42667	0.69194	-2.459	0.027873	0.14485	-3.6935	729799
CHRNB1	1.7291	1.7291	2.0506	2.4589	0.027874	0.14485	-3.6936	1140
GATAD1	-0.81852	0.81852	2.653	-2.4586	0.027894	0.1449	-3.6942	57798
TMED5	1.2732	1.2732	2.5096	2.4582	0.027914	0.14496	-3.6949	50999
BCLAF3	-0.48789	0.48789	1.1763	-2.4575	0.027952	0.14508	-3.6961	256643
ADGRG3	0.873	0.873	0.75506	2.4572	0.027967	0.14508	-3.6966	222487
TSHZ2	-0.8425	0.8425	1.6433	-2.4571	0.027969	0.14508	-3.6967	128553
SNAP29	4.3786	4.3786	6.638	2.4571	0.027971	0.14508	-3.6967	9342
ALDH1A1	-3.1963	3.1963	2.6007	-2.4565	0.028003	0.14509	-3.6978	216
MRPL13	7.0731	7.0731	8.3337	2.4564	0.028007	0.14509	-3.6979	28998
TPST2	1.4157	1.4157	3.0662	2.4563	0.028016	0.14509	-3.6982	8459
KIF13A	4.8655	4.8655	9.753	2.4562	0.028021	0.14509	-3.6983	63971
RHOXF1-AS1	-0.34785	0.34785	0.25159	-2.4561	0.028026	0.14509	-3.6985	1.02E+08
SNORA71B	-0.8557	0.8557	1.1283	-2.4559	0.028034	0.14509	-3.6988	26776
SPTLC1	3.3813	3.3813	9.1889	2.4558	0.028042	0.14509	-3.699	10558
OSBPL5	-2.1295	2.1295	5.1245	-2.4557	0.028046	0.14509	-3.6991	114879
STAG3L5P-PVRIG2P- PILRB	-2.7549	2.7549	5.2113	-2.4556	0.028054	0.14509	-3.6994	1.02E+08
CRIP2	7.5956	7.5956	14.432	2.4555	0.028059	0.14509	-3.6996	1397
MAMDC2-AS1	-0.26765	0.26765	0.20258	-2.4553	0.028069	0.1451	-3.6999	1.01E+08
FAM114A1	2.4577	2.4577	5.1393	2.4549	0.028091	0.14513	-3.7006	92689

MAMDC2	-2.3427	2.3427	1.7913	-2.4548	0.028097	0.14513	-3.7008	256691
TCTE3	-0.1623	0.1623	0.25655	-2.4545	0.02811	0.14513	-3.7012	6991
PTGDS	-26.838	26.838	25.869	-2.4545	0.028111	0.14513	-3.7013	5730
PCOLCE2	-3.4906	3.4906	2.133	-2.4544	0.028118	0.14513	-3.7015	26577
GREB1L	-0.21994	0.21994	0.20814	-2.4541	0.028133	0.14513	-3.702	80000
SNORD22	-2.4101	2.4101	4.8715	-2.454	0.028136	0.14513	-3.702	9304
IKBIP	1.7656	1.7656	1.5535	2.453	0.028194	0.14539	-3.7039	121457
C10orf105	-0.1803	0.1803	0.17363	-2.4524	0.028222	0.14549	-3.7048	414152
FBXO3	2.8351	2.8351	6.5559	2.4521	0.028239	0.14551	-3.7054	26273
OTOP1	-0.1881	0.1881	0.15304	-2.4519	0.028251	0.14551	-3.7058	133060
LCE3D	799.01	799.01	611.17	2.4519	0.028253	0.14551	-3.7058	84648
ZNF343	-0.38296	0.38296	1.5456	-2.4517	0.028261	0.14551	-3.7061	79175
BIRC7	-0.18701	0.18701	0.11615	-2.4514	0.028281	0.14557	-3.7067	79444
PHLPP1	-1.3877	1.3877	4.4488	-2.4511	0.028292	0.14558	-3.7071	23239
SNORA50A	-0.97283	0.97283	0.98338	-2.4507	0.028315	0.14566	-3.7078	677830
TPTE2P5	-0.18475	0.18475	0.20878	-2.4504	0.028334	0.14568	-3.7084	1.01E+08
LDHA	131.23	131.23	188.8	2.45	0.028352	0.14568	-3.709	3939
S100A11	229.85	229.85	270.84	2.4498	0.028365	0.14568	-3.7094	6282
PIGZ	-0.54571	0.54571	1.0182	-2.4498	0.028368	0.14568	-3.7095	80235
RILPL1	-0.75845	0.75845	1.8203	-2.4497	0.028368	0.14568	-3.7095	353116
CD1E	-0.49918	0.49918	0.41338	-2.4496	0.028378	0.14568	-3.7098	913
RAB36	-0.34816	0.34816	0.74969	-2.4495	0.02838	0.14568	-3.7099	9609
NAPEPLD	-0.37148	0.37148	1.4901	-2.4494	0.028388	0.14568	-3.7102	222236
CHST3	-2.5195	2.5195	4.3925	-2.4484	0.028438	0.14585	-3.7118	9469
ZNF528-AS1	-0.28723	0.28723	0.35487	-2.4484	0.028441	0.14585	-3.7118	1.03E+08
NALCN	-0.17035	0.17035	0.10649	-2.4483	0.028448	0.14585	-3.7121	259232

SPDYE1	-1.2466	1.2466	1.7782	-2.4481	0.028458	0.14586	-3.7124	285955
CLK1	2.8026	2.8026	9.8563	2.4472	0.028505	0.14605	-3.7139	1195
DDX3X	13.936	13.936	28.581	2.447	0.028515	0.14606	-3.7142	1654
PEX1	-0.81915	0.81915	2.6842	-2.4469	0.028522	0.14606	-3.7145	5189
CYP2C18	-0.40213	0.40213	0.34501	-2.4458	0.028581	0.14629	-3.7163	1562
MORF4L2-AS1	-0.17269	0.17269	0.14774	-2.4457	0.028586	0.14629	-3.7165	340544
GDNF	0.31969	0.31969	0.25841	2.4453	0.028608	0.14632	-3.7172	2668
SLC25A35	-0.2744	0.2744	0.54064	-2.4453	0.028608	0.14632	-3.7172	399512
ZSWIM9	-0.88022	0.88022	0.96006	-2.4448	0.028637	0.14642	-3.7181	374920
TMEM175	-1.569	1.569	3.3061	-2.4443	0.028665	0.14652	-3.719	84286
MAPK13	9.0295	9.0295	15.73	2.4441	0.028674	0.14652	-3.7193	5603
DNM3	-0.24642	0.24642	0.38389	-2.444	0.028683	0.14652	-3.7196	26052
EVI5	0.83087	0.83087	2.9045	2.4438	0.028693	0.14653	-3.7199	7813
ZNF8	-0.6507	0.6507	2.4931	-2.4436	0.028705	0.14654	-3.7202	7554
EXOSC6	-2.5007	2.5007	7.8473	-2.4433	0.028719	0.14655	-3.7207	118460
GABPB1	0.94344	0.94344	1.873	2.4432	0.028724	0.14655	-3.7209	2553
ZNF575	-0.31329	0.31329	0.68079	-2.4431	0.028731	0.14655	-3.7211	284346
KNL1	0.55039	0.55039	0.67601	2.4427	0.028755	0.14659	-3.7218	57082
SIMC1	-0.32174	0.32174	1.006	-2.4426	0.028757	0.14659	-3.7219	375484
MPZL3	13.362	13.362	12.507	2.4425	0.028766	0.14659	-3.7222	196264
APOL4	-0.86371	0.86371	1.7046	-2.4419	0.028798	0.14668	-3.7232	80832
SPATS2L	2.848	2.848	4.9825	2.4418	0.028802	0.14668	-3.7233	26010
XKR9	-0.42692	0.42692	0.53629	-2.4416	0.02881	0.14668	-3.7236	389668
PI4K2A	4.5564	4.5564	8.5175	2.4415	0.028818	0.14668	-3.7238	55361
CASP4	16.141	16.141	23.72	2.4412	0.028838	0.14673	-3.7244	837
CEBPG	3.715	3.715	8.1559	2.4409	0.028853	0.14675	-3.7249	1054

ZNF681	0.49599	0.49599	0.70033	2.4408	0.028858	0.14675	-3.7251	148213
VAMP1	-1.0716	1.0716	1.6379	-2.4394	0.028933	0.14709	-3.7274	6843
PREP	3.5501	3.5501	9.1315	2.4389	0.028962	0.14719	-3.7283	5550
ZNF17	-0.49396	0.49396	1.6835	-2.4388	0.02897	0.14719	-3.7286	7565
FANK1	0.38208	0.38208	0.85524	2.4379	0.029017	0.14726	-3.7301	92565
MIF-AS1	-1.0815	1.0815	1.3457	-2.4376	0.029033	0.14726	-3.7306	284889
TAF1C	-2.4192	2.4192	4.7301	-2.4376	0.029034	0.14726	-3.7306	9013
CD27-AS1	-0.57709	0.57709	0.77702	-2.4375	0.029039	0.14726	-3.7308	678655
SCARA5	-6.0496	6.0496	4.8812	-2.4372	0.029057	0.14726	-3.7313	286133
ASCC3	1.3531	1.3531	4.1844	2.437	0.029065	0.14726	-3.7316	10973
ZNF281	1.6913	1.6913	2.3305	2.437	0.029066	0.14726	-3.7316	23528
DHX35	-0.52694	0.52694	1.4814	-2.437	0.02907	0.14726	-3.7317	60625
GRIP1	-0.77345	0.77345	1.547	-2.4369	0.029075	0.14726	-3.7319	23426
SERPINF2	-0.37254	0.37254	0.57569	-2.4368	0.029077	0.14726	-3.7319	5345
WASH3P	-2.2672	2.2672	4.3439	-2.4366	0.029087	0.14726	-3.7323	374666
GOLGA8A	-7.2747	7.2747	11.511	-2.4366	0.029089	0.14726	-3.7323	23015
EXOSC2	-0.95249	0.95249	3.3178	-2.4363	0.029109	0.14731	-3.7329	23404
ANKRD36	-1.5613	1.5613	2.1971	-2.4359	0.029129	0.14737	-3.7336	375248
GRIA3	0.54411	0.54411	0.58254	2.4352	0.029167	0.14744	-3.7347	2892
SMIM6	-0.18401	0.18401	0.23697	-2.4352	0.029168	0.14744	-3.7348	1E+08
HACD1	0.72932	0.72932	0.8558	2.4352	0.029169	0.14744	-3.7348	9200
TERF2	-0.87805	0.87805	3.7495	-2.4348	0.029189	0.14748	-3.7354	7014
CLCF1	1.3681	1.3681	1.8846	2.4347	0.029193	0.14748	-3.7355	23529
TMCC3	1.2554	1.2554	2.9935	2.4332	0.029281	0.1478	-3.7383	57458
ZNF106	-1.7899	1.7899	5.9449	-2.4331	0.029284	0.1478	-3.7384	64397
LOC105371049	-0.3583	0.3583	0.42903	-2.4331	0.029284	0.1478	-3.7384	1.05E+08

C11orf42	-0.17057	0.17057	0.16884	-2.4323	0.02933	0.14792	-3.7398	160298
PLXNA4	-0.90062	0.90062	0.79071	-2.4322	0.029336	0.14792	-3.74	91584
CYTOR	2.7665	2.7665	2.7965	2.4321	0.029342	0.14792	-3.7402	112597
HEATR4	-0.16087	0.16087	0.123	-2.4321	0.029342	0.14792	-3.7402	399671
ABI1	5.26	5.26	12.548	2.4317	0.029363	0.14798	-3.7408	10006
SNORD128	-0.3972	0.3972	0.21184	-2.4309	0.029406	0.14815	-3.7422	1.07E+08
EEF1AKMT2	-0.72974	0.72974	1.9185	-2.4307	0.029417	0.14815	-3.7425	399818
PDK3	-1.9775	1.9775	4.62	-2.4306	0.029427	0.14815	-3.7428	5165
CALU	10.637	10.637	13.336	2.4303	0.029441	0.14815	-3.7432	813
ATP6V1E2	-0.32981	0.32981	0.58478	-2.4302	0.029444	0.14815	-3.7433	90423
SNORA48	-35.022	35.022	70.468	-2.4301	0.029454	0.14815	-3.7436	652965
MRPS17	3.3419	3.3419	5.6314	2.4299	0.029461	0.14815	-3.7439	51373
PLIN4	-1.7334	1.7334	1.0921	-2.4298	0.029467	0.14815	-3.744	729359
ARFGEF2	-1.0666	1.0666	6.1958	-2.4296	0.029482	0.14818	-3.7445	10564
FBXO33	0.44707	0.44707	1.4964	2.4291	0.02951	0.14828	-3.7453	254170
UST	-0.71214	0.71214	1.5936	-2.4288	0.029524	0.14831	-3.7458	10090
MGC32805	-0.23005	0.23005	0.30877	-2.4282	0.029562	0.14845	-3.7469	153163
KLK11	30.863	30.863	34.028	2.4278	0.029584	0.14852	-3.7476	11012
PIP5KL1	1.3263	1.3263	1.8922	2.4269	0.029635	0.14873	-3.7492	138429
ZNF696	-0.46523	0.46523	0.92083	-2.4261	0.02968	0.14891	-3.7506	79943
RERGL	-0.6027	0.6027	0.36676	-2.4254	0.029719	0.14906	-3.7518	79785
SNORA8	-0.83796	0.83796	0.91223	-2.4245	0.029768	0.14921	-3.7533	654320
NLGN1	-0.15572	0.15572	0.098746	-2.4245	0.029769	0.14921	-3.7533	22871
XXYLT1-AS2	-0.25307	0.25307	0.30354	-2.4241	0.029793	0.14921	-3.754	1.01E+08
HCRTR1	-0.18028	0.18028	0.15144	-2.424	0.029797	0.14921	-3.7541	3061
DCAF13	3.1699	3.1699	6.1276	2.4239	0.029802	0.14921	-3.7543	25879

NPIPA2	-0.38624	0.38624	0.56958	-2.4239	0.029805	0.14921	-3.7544	642799
AGPS	1.5653	1.5653	3.3738	2.4238	0.029811	0.14921	-3.7546	8540
GAN	-11.214	11.214	13.106	-2.4233	0.029835	0.14921	-3.7553	8139
SNORA10	-0.62975	0.62975	1.2627	-2.4233	0.029836	0.14921	-3.7553	574042
HUS1	0.76708	0.76708	3.1813	2.4233	0.029837	0.14921	-3.7554	3364
TNRC6C-AS1	-0.58954	0.58954	0.87075	-2.423	0.029857	0.14927	-3.756	1E+08
RSPH3	0.44247	0.44247	1.815	2.4225	0.029881	0.14929	-3.7567	83861
SNED1	-2.6955	2.6955	3.4023	-2.4225	0.029885	0.14929	-3.7568	25992
ZNF26	-0.35944	0.35944	0.85892	-2.4224	0.029887	0.14929	-3.7569	7574
CMAHP	-1.0168	1.0168	1.9095	-2.4213	0.029953	0.14949	-3.7589	8418
IFRD1	2.3928	2.3928	3.5951	2.4211	0.02996	0.14949	-3.7591	3475
NRAV	1.3988	1.3988	2.817	2.4211	0.029961	0.14949	-3.7591	1.01E+08
MBTD1	-0.96213	0.96213	2.55	-2.4211	0.029964	0.14949	-3.7592	54799
PFAS	-1.2644	1.2644	2.2296	-2.4205	0.03	0.14963	-3.7603	5198
RIC1	0.94512	0.94512	5.6465	2.4187	0.030102	0.15009	-3.7634	57589
CPHXL	-0.18181	0.18181	0.10912	-2.4182	0.030132	0.15017	-3.7643	1.05E+08
IFNE	0.7198	0.7198	0.74611	2.418	0.03014	0.15017	-3.7645	338376
WNT7A	0.6562	0.6562	0.59518	2.4179	0.030145	0.15017	-3.7647	7476
BCHE	-0.70577	0.70577	0.594	-2.4155	0.030282	0.15081	-3.7688	590
ANGPTL1	-2.0676	2.0676	2.1739	-2.415	0.030316	0.15091	-3.7698	9068
ZC3H7B	-3.6855	3.6855	7.8232	-2.4149	0.03032	0.15091	-3.7699	23264
GRIN2A	-0.2667	0.2667	0.23473	-2.4143	0.030352	0.15103	-3.7709	2903
FGD6	-1.0483	1.0483	3.0031	-2.414	0.030371	0.15107	-3.7714	55785
ASPHD1	0.31553	0.31553	0.35046	2.4137	0.03039	0.15112	-3.772	253982
FAM83A	12.77	12.77	10.412	2.4136	0.030397	0.15112	-3.7722	84985
FAM182A	-0.56192	0.56192	0.55319	-2.4128	0.030439	0.15128	-3.7735	284800

STX1B	-0.46921	0.46921	0.59263	-2.4127	0.030449	0.15129	-3.7738	112755
ALDH1L1	-0.22309	0.22309	0.12721	-2.4119	0.03049	0.15145	-3.775	10840
TESC	-1.0114	1.0114	1.2833	-2.4117	0.030503	0.15145	-3.7754	54997
ACADVL	12.464	12.464	32.96	2.4116	0.030511	0.15145	-3.7756	37
RPS6KA2-AS1	-0.15409	0.15409	0.088201	-2.4115	0.030518	0.15145	-3.7758	1.01E+08
RASSF3	2.551	2.551	5.2818	2.4113	0.030529	0.15146	-3.7761	283349
RND2	-0.20376	0.20376	0.23236	-2.4109	0.030551	0.15146	-3.7768	8153
SPRYD7	0.92101	0.92101	2.1641	2.4109	0.030553	0.15146	-3.7768	57213
RPL22L1	5.5583	5.5583	6.8217	2.4108	0.030556	0.15146	-3.777	200916
C20orf144	-0.19926	0.19926	0.1612	-2.4104	0.030582	0.15148	-3.7777	128864
LDHB	20.451	20.451	22.042	2.4104	0.030582	0.15148	-3.7777	3945
GPR21	-0.5347	0.5347	1.0045	-2.4103	0.030588	0.15148	-3.7779	2844
LSS	-4.0277	4.0277	9.9797	-2.41	0.030602	0.15151	-3.7783	4047
TCTN2	-0.76999	0.76999	1.9028	-2.4096	0.030624	0.15158	-3.779	79867
LOC440346	-0.22127	0.22127	0.25657	-2.4093	0.030643	0.15159	-3.7795	440346
SLC4A11	-1.0017	1.0017	2.0132	-2.4093	0.030645	0.15159	-3.7796	83959
PCCA	-0.87016	0.87016	2.4044	-2.4091	0.030657	0.15161	-3.7799	5095
ZMAT3	1.2971	1.2971	3.0056	2.4089	0.030669	0.15162	-3.7803	64393
CDC42BPG	-5.6556	5.6556	7.7198	-2.4085	0.030689	0.15168	-3.7809	55561
SLC27A6	-0.43237	0.43237	0.24836	-2.4082	0.030708	0.15172	-3.7814	28965
KRT72	-0.60982	0.60982	0.43674	-2.408	0.030721	0.15173	-3.7818	140807
SULT1E1	-0.78099	0.78099	0.46791	-2.4079	0.030726	0.15173	-3.782	6783
GATM	-5.9231	5.9231	5.8552	-2.4071	0.030774	0.15192	-3.7834	2628
POU2F1	-0.58835	0.58835	1.8575	-2.4063	0.03082	0.1521	-3.7847	5451
ECT2L	-0.20972	0.20972	0.20317	-2.4061	0.030833	0.15211	-3.7851	345930
EHMT2	-0.37263	0.37263	0.61746	-2.406	0.03084	0.15211	-3.7853	10919

CDKL1	-0.41253	0.41253	1.1717	-2.4053	0.030877	0.15225	-3.7864	8814
EIF4ENIF1	-1.0729	1.0729	4.1752	-2.4048	0.030905	0.15234	-3.7872	56478
DHRS7	7.4472	7.4472	11.235	2.4045	0.030924	0.15239	-3.7878	51635
OSER1-DT	-0.4414	0.4414	0.75503	-2.4041	0.03095	0.15244	-3.7886	1.01E+08
LDLRAD3	-0.99555	0.99555	4.4925	-2.404	0.030952	0.15244	-3.7886	143458
UBQLN1	5.19	5.19	15.051	2.4037	0.030971	0.15246	-3.7892	29979
ACTB	683.71	683.71	995.74	2.4037	0.030975	0.15246	-3.7893	60
NOVA1	-0.45599	0.45599	0.36028	-2.4027	0.031031	0.15267	-3.7909	4857
OSBP	-1.9217	1.9217	8.2768	-2.4025	0.031046	0.15267	-3.7914	5007
RACGAP1	1.6251	1.6251	3.1132	2.4023	0.031056	0.15267	-3.7916	29127
HYMAI	-0.41412	0.41412	0.55319	-2.4022	0.03106	0.15267	-3.7918	57061
CAND1	2.9531	2.9531	9.4533	2.4022	0.031062	0.15267	-3.7918	55832
SYNE3	-1.4639	1.4639	2.2278	-2.4019	0.031082	0.15272	-3.7924	161176
CABP4	-0.18388	0.18388	0.1792	-2.4016	0.0311	0.15273	-3.7929	57010
C10orf90	-0.15429	0.15429	0.095762	-2.4015	0.031101	0.15273	-3.793	118611
EIF1B-AS1	-0.17494	0.17494	0.15859	-2.4014	0.031111	0.15273	-3.7932	440952
KCNV2	-0.22605	0.22605	0.29117	-2.4011	0.031129	0.15276	-3.7938	169522
RABL2B	-0.87469	0.87469	2.2305	-2.4008	0.031144	0.15276	-3.7942	11158
GABARAPL2	21.197	21.197	30.265	2.4008	0.031144	0.15276	-3.7942	11345
LINC01238	-0.28489	0.28489	0.25542	-2.4003	0.031173	0.15283	-3.7951	1.03E+08
FAM86B1	-0.4001	0.4001	0.71107	-2.4002	0.031178	0.15283	-3.7952	85002
ANXA7	7.8009	7.8009	20.857	2.3999	0.0312	0.15283	-3.7959	310
WDR81	-2.0543	2.0543	3.9974	-2.3998	0.031202	0.15283	-3.7959	124997
RBMS1	3.5118	3.5118	9.9965	2.3998	0.031203	0.15283	-3.7959	5937
KLHDC1	-0.41936	0.41936	0.70637	-2.3992	0.031241	0.15295	-3.797	122773
VRK2	1.8582	1.8582	3.4069	2.3987	0.031272	0.15295	-3.7979	7444

MTOR-AS1	-0.20634	0.20634	0.19817	-2.3985	0.031279	0.15295	-3.7981	1.01E+08
FAM118B	0.73074	0.73074	2.0256	2.3983	0.031293	0.15295	-3.7985	79607
PRR36	-0.19256	0.19256	0.20792	-2.3981	0.031307	0.15295	-3.799	80164
PLAC4	-0.68632	0.68632	1.1152	-2.398	0.031312	0.15295	-3.7991	191585
NPIPB11	-0.82913	0.82913	1.2635	-2.3979	0.031319	0.15295	-3.7993	728888
TBC1D22A	-1.0831	1.0831	4.295	-2.3978	0.031325	0.15295	-3.7995	25771
ARF4-AS1	-0.21675	0.21675	0.29948	-2.3977	0.031326	0.15295	-3.7995	1.06E+08
MRPL42P5	-0.1941	0.1941	0.17473	-2.3977	0.031328	0.15295	-3.7996	359821
GARS-DT	-0.81452	0.81452	1.4835	-2.3977	0.03133	0.15295	-3.7996	401320
LOC728752	-1.9645	1.9645	3.4719	-2.3976	0.031336	0.15295	-3.7998	728752
JPH2	-0.62822	0.62822	0.775	-2.3972	0.031358	0.15301	-3.8004	57158
ATMIN	4.0309	4.0309	8.2662	2.3967	0.031385	0.15305	-3.8012	23300
CSNK1G3	1.2666	1.2666	3.3161	2.3965	0.031402	0.15305	-3.8017	1456
LOC100132781	-0.30675	0.30675	0.28249	-2.3964	0.031408	0.15305	-3.8019	1E+08
FAM218A	-0.17759	0.17759	0.14732	-2.3963	0.03141	0.15305	-3.8019	152756
EDC4	-1.5779	1.5779	4.9118	-2.3963	0.03141	0.15305	-3.8019	23644
ZNF467	1.4808	1.4808	2.9853	2.3962	0.03142	0.15305	-3.8022	168544
SPTBN1	-7.1934	7.1934	18.447	-2.396	0.031431	0.15306	-3.8025	6711
C1orf115	-1.5055	1.5055	2.5716	-2.3952	0.031475	0.15316	-3.8038	79762
CACNB4	-0.5153	0.5153	0.35932	-2.3952	0.031478	0.15316	-3.8039	785
GPR35	-0.20472	0.20472	0.31656	-2.3952	0.031479	0.15316	-3.8039	2859
PTPN12	9.5499	9.5499	14.395	2.3942	0.031538	0.1534	-3.8056	5782
MYZAP	5.9252	5.9252	6.4732	2.3934	0.031584	0.15358	-3.8069	1.01E+08
SDR9C7	16.781	16.781	21.095	2.3931	0.031606	0.15364	-3.8075	121214
HS3ST1	2.1315	2.1315	1.6331	2.3927	0.031626	0.1537	-3.8081	9957
SNCA	-0.4498	0.4498	0.77031	-2.3924	0.031644	0.15374	-3.8086	6622

SEZ6L2	1.246	1.246	1.6436	2.3917	0.031691	0.15392	-3.81	26470
C17orf50	-0.31689	0.31689	0.23605	-2.3901	0.031788	0.15435	-3.8127	146853
PKP4	-1.7054	1.7054	7.0871	-2.3886	0.031878	0.15473	-3.8153	8502
LINC00476	-0.24695	0.24695	0.41811	-2.3881	0.031903	0.15473	-3.816	1E+08
PCDHB11	-0.53114	0.53114	0.6485	-2.388	0.031911	0.15473	-3.8162	56125
SNX6	4.2139	4.2139	8.5185	2.3878	0.031924	0.15473	-3.8166	58533
OR2A7	-1.2068	1.2068	1.1288	-2.3878	0.031924	0.15473	-3.8166	401427
RSPH4A	-0.19764	0.19764	0.22249	-2.3877	0.031928	0.15473	-3.8167	345895
OR7E47P	-0.16031	0.16031	0.095018	-2.3877	0.03193	0.15473	-3.8168	26628
HSBP1L1	3.1444	3.1444	6.0272	2.3874	0.031948	0.15476	-3.8173	440498
TIMM23B	-1.2808	1.2808	3.394	-2.3873	0.031955	0.15476	-3.8175	1.01E+08
ORC2	-0.92418	0.92418	2.794	-2.3871	0.031967	0.15476	-3.8178	4999
ACADL	-0.29671	0.29671	0.29159	-2.387	0.031974	0.15476	-3.818	33
CYB5R2	3.4525	3.4525	6.2348	2.3868	0.031985	0.15476	-3.8183	51700
ZNF790	-0.4248	0.4248	1.0941	-2.3867	0.031992	0.15476	-3.8185	388536
GDF7	-0.27363	0.27363	0.39214	-2.3862	0.03202	0.15485	-3.8193	151449
OR7E37P	-0.24193	0.24193	0.38712	-2.386	0.032035	0.15488	-3.8198	1.01E+08
SIPA1L2	5.402	5.402	9.859	2.3856	0.032059	0.15495	-3.8204	57568
LOC649133	-0.50872	0.50872	0.33234	-2.3853	0.032075	0.15498	-3.8209	649133
ABCC2	-0.15888	0.15888	0.26132	-2.385	0.032096	0.155	-3.8215	1244
FRMD6-AS1	-1.5352	1.5352	2.1663	-2.385	0.032097	0.155	-3.8215	145438
PLXNA3	-1.4667	1.4667	3.0014	-2.3848	0.032105	0.155	-3.8217	55558
BAZ2A	-2.9226	2.9226	10.567	-2.3837	0.032174	0.15523	-3.8237	11176
ASPN	17.173	17.173	10.417	2.3836	0.032182	0.15523	-3.8239	54829
SNORA59A	-0.36531	0.36531	0.57529	-2.3831	0.032209	0.15523	-3.8247	677885
SNORA59B	-0.36531	0.36531	0.57529	-2.3831	0.032209	0.15523	-3.8247	677882

LINC02188	-0.23609	0.23609	0.12916	-2.383	0.032219	0.15523	-3.8249	1.03E+08
BEST2	-0.27435	0.27435	0.18238	-2.3828	0.032228	0.15523	-3.8252	54831
P4HA2	3.0999	3.0999	6.9831	2.3827	0.032238	0.15523	-3.8255	8974
NNT-AS1	-0.28798	0.28798	0.64113	-2.3826	0.032242	0.15523	-3.8256	1.01E+08
PIK3C2B	-3.2507	3.2507	7.2903	-2.3826	0.032243	0.15523	-3.8256	5287
ESRG	1.0611	1.0611	1.4351	2.3825	0.032249	0.15523	-3.8258	790952
SLC9A2	-0.31076	0.31076	0.19126	-2.3824	0.032257	0.15523	-3.826	6549
RAB25	47.204	47.204	75.169	2.3821	0.032272	0.15523	-3.8264	57111
STPG3	-0.16234	0.16234	0.10495	-2.3821	0.032274	0.15523	-3.8265	441476
ST3GAL6-AS1	-0.22279	0.22279	0.30733	-2.3819	0.032284	0.15523	-3.8268	1.01E+08
MTRF1L	0.95998	0.95998	3.1472	2.3818	0.032291	0.15523	-3.827	54516
GPC2	-0.48101	0.48101	0.48735	-2.3808	0.032353	0.15548	-3.8287	221914
TGFA	9.6056	9.6056	8.0457	2.3803	0.032384	0.15559	-3.8295	7039
CRABP1	-1.1883	1.1883	1.0304	-2.3798	0.032413	0.15566	-3.8304	1381
ITPR2	-2.9986	2.9986	9.4891	-2.3797	0.032417	0.15566	-3.8305	3709
LHFPL2	4.2182	4.2182	5.3446	2.3795	0.032432	0.15569	-3.8309	10184
AEN	2.373	2.373	4.1813	2.3791	0.032457	0.15576	-3.8316	64782
PYROXD2	-0.59802	0.59802	0.65053	-2.3788	0.032476	0.15581	-3.8321	84795
TCAF1	-1.9511	1.9511	4.3196	-2.3783	0.032504	0.1559	-3.8329	9747
LCMT1	7.1285	7.1285	11.931	2.3781	0.032518	0.15592	-3.8333	51451
ZC3H15	3.8526	3.8526	10.069	2.3779	0.032528	0.15592	-3.8336	55854
MAFB	43.044	43.044	65.544	2.3774	0.032564	0.15599	-3.8346	9935
NUBPL	-0.49314	0.49314	1.1617	-2.3773	0.032566	0.15599	-3.8346	80224
LOC100240734	-0.43002	0.43002	0.2929	-2.3773	0.03257	0.15599	-3.8347	1E+08
GTF2A2	2.5864	2.5864	4.1115	2.3756	0.032671	0.15644	-3.8375	2958
FUT11	2.6926	2.6926	5.6775	2.3753	0.03269	0.15644	-3.8381	170384

WDR44	1.6467	1.6467	3.2796	2.3753	0.032691	0.15644	-3.8381	54521
MAPK14	3.9891	3.9891	11.736	2.3751	0.032705	0.15646	-3.8385	1432
SEMA7A	1.5458	1.5458	2.4427	2.3741	0.032764	0.1567	-3.8401	8482
TPI1	74.166	74.166	116.21	2.3739	0.032779	0.1567	-3.8405	7167
SNX29	1.7431	1.7431	5.7523	2.3737	0.032789	0.1567	-3.8408	92017
PRRT3-AS1	-0.23781	0.23781	0.42883	-2.3737	0.032791	0.1567	-3.8408	1.01E+08
TMEM256-PLSCR3	4.2818	4.2818	5.8124	2.3734	0.032813	0.15676	-3.8414	1.01E+08
HDGFL3	2.5164	2.5164	3.6964	2.373	0.032837	0.15678	-3.8421	50810
ZNF443	-0.49747	0.49747	0.97037	-2.3728	0.032845	0.15678	-3.8423	10224
TMEM211	-0.17253	0.17253	0.092016	-2.3728	0.032849	0.15678	-3.8425	255349
ID4	-4.1052	4.1052	6.4463	-2.3726	0.032862	0.15678	-3.8428	3400
CD300LG	-0.24674	0.24674	0.23789	-2.3724	0.032873	0.15678	-3.8431	146894
SEC61G	16.908	16.908	21.715	2.3724	0.032873	0.15678	-3.8431	23480
LOC101928068	-0.21805	0.21805	0.20576	-2.3722	0.032886	0.1568	-3.8435	1.02E+08
MIA2	0.49908	0.49908	1.6009	2.3716	0.032924	0.15693	-3.8445	4253
USP32	3.4339	3.4339	7.2001	2.3714	0.032934	0.15693	-3.8448	84669
TUT1	-1.383	1.383	2.9024	-2.3713	0.032942	0.15693	-3.845	64852
ADGRD1	-1.1733	1.1733	1.0353	-2.3708	0.03297	0.15701	-3.8458	283383
LINC00964	-0.21556	0.21556	0.21381	-2.3707	0.032977	0.15701	-3.846	157381
S100A8	2721.1	2721.1	2278.8	2.3704	0.033	0.15703	-3.8466	6279
PCDHGB1	-0.16164	0.16164	0.34559	-2.3703	0.033006	0.15703	-3.8468	56104
ZBTB12	-0.21228	0.21228	0.20854	-2.3702	0.03301	0.15703	-3.8469	221527
PCBP1-AS1	-0.33531	0.33531	0.63087	-2.3693	0.033064	0.15724	-3.8483	400960
PCP2	-0.48048	0.48048	0.38913	-2.369	0.033088	0.15731	-3.849	126006
UVRAG	-0.70512	0.70512	2.5527	-2.3685	0.033116	0.1574	-3.8498	7405
KTN1	14.041	14.041	23.269	2.3678	0.033163	0.15754	-3.851	3895

EIF1	70.309	70.309	161.39	2.3676	0.033172	0.15754	-3.8513	10209
NTF4	-1.2798	1.2798	1.6168	-2.3676	0.033174	0.15754	-3.8513	4909
LOC100288203	-0.24408	0.24408	0.4746	-2.3675	0.033182	0.15754	-3.8516	1E+08
TLL4	-0.61945	0.61945	2.6814	-2.3671	0.033203	0.15759	-3.8521	9654
TMEM65	0.68099	0.68099	2.9741	2.3665	0.033242	0.15773	-3.8532	157378
FRS3	-0.458	0.458	0.72701	-2.3664	0.033251	0.15773	-3.8534	10817
MEF2B	-0.67594	0.67594	1.1184	-2.3662	0.033263	0.15773	-3.8538	1E+08
MAST4	5.2114	5.2114	12.658	2.3661	0.033269	0.15773	-3.8539	375449
ASL	2.9794	2.9794	4.8194	2.3649	0.033342	0.158	-3.8559	435
AMIGO1	-0.33011	0.33011	0.41464	-2.3649	0.033345	0.158	-3.856	57463
ATP6V0E1	24.976	24.976	38.426	2.3644	0.033376	0.1581	-3.8568	8992
NHLRC3	-1.018	1.018	2.091	-2.3638	0.03341	0.15822	-3.8578	387921
DDX5	11.75	11.75	51.159	2.3633	0.033444	0.1583	-3.8587	1655
ST8SIA2	0.18209	0.18209	0.12753	2.3632	0.033453	0.1583	-3.8589	8128
FRG1JP	-0.22361	0.22361	0.20679	-2.3631	0.033456	0.1583	-3.859	642236
PLPPR2	4.9603	4.9603	9.3875	2.3624	0.033502	0.15843	-3.8602	64748
FAM229A	-0.75529	0.75529	1.0786	-2.3622	0.033515	0.15843	-3.8606	1E+08
RUNDC3A	1.444	1.444	2.2831	2.3621	0.033521	0.15843	-3.8607	10900
TLL1	-0.31355	0.31355	0.44248	-2.3619	0.033537	0.15843	-3.8612	7092
CAB39L	-0.90801	0.90801	1.6518	-2.3618	0.033543	0.15843	-3.8613	81617
SPDYE7P	-1.3085	1.3085	1.8084	-2.3617	0.033545	0.15843	-3.8614	441251
OTUD7B	-0.90543	0.90543	2.7921	-2.3617	0.033547	0.15843	-3.8615	56957
C2CD5	-1.0076	1.0076	2.9344	-2.361	0.033592	0.15859	-3.8627	9847
CYP4A11	-0.17091	0.17091	0.11606	-2.3606	0.033614	0.15865	-3.8632	1579
ACTR1A	9.5717	9.5717	22.844	2.3605	0.033625	0.15866	-3.8635	10121
ARPC3	29.047	29.047	45.533	2.3599	0.033658	0.15877	-3.8644	10094

TOM1L1	2.088	2.088	4.5899	2.3597	0.033677	0.15882	-3.8649	10040
LOC101928279	-0.17136	0.17136	0.12376	-2.3593	0.033697	0.15882	-3.8655	1.02E+08
LINC00537	-0.7484	0.7484	0.79143	-2.3591	0.033712	0.15882	-3.8659	203274
TAX1BP1	5.096	5.096	12.836	2.3591	0.033714	0.15882	-3.8659	8887
ZFP42	0.63263	0.63263	0.32705	2.3588	0.033733	0.15882	-3.8664	132625
TRAPPC9	-0.98333	0.98333	2.9282	-2.3587	0.033737	0.15882	-3.8665	83696
CDC14A	-0.37026	0.37026	0.85884	-2.3587	0.033738	0.15882	-3.8666	8556
CA9	0.96699	0.96699	0.97088	2.3586	0.033743	0.15882	-3.8667	768
PRPH	-0.29361	0.29361	0.19083	-2.3581	0.033777	0.15892	-3.8676	5630
BTG3	5.3551	5.3551	11.037	2.3578	0.033793	0.15892	-3.868	10950
ZNF782	-0.6353	0.6353	1.3413	-2.3578	0.033796	0.15892	-3.8681	158431
WDR19	-0.66154	0.66154	1.7877	-2.3577	0.033803	0.15892	-3.8683	57728
IGBP1P1	-0.21734	0.21734	0.16392	-2.3576	0.033811	0.15892	-3.8685	280655
JPT1	4.4363	4.4363	6.7961	2.3571	0.033838	0.159	-3.8692	51155
FBXO5	0.63825	0.63825	1.0112	2.3566	0.033871	0.15911	-3.8701	26271
PPARGC1A	-0.79592	0.79592	0.79017	-2.3565	0.03388	0.15911	-3.8704	10891
UBE2E1	6.7881	6.7881	12.519	2.356	0.033913	0.15922	-3.8712	7324
MDM2	1.5402	1.5402	6.4584	2.3558	0.033924	0.15922	-3.8715	4193
GUCY1A2	1.0502	1.0502	1.0213	2.3557	0.033932	0.15922	-3.8717	2977
ZFYVE27	-1.3299	1.3299	3.6305	-2.3546	0.033999	0.15949	-3.8735	118813
SUOX	-0.79595	0.79595	1.9034	-2.3543	0.034023	0.15956	-3.8742	6821
ASTN2	-0.34426	0.34426	0.59932	-2.354	0.034042	0.1596	-3.8747	23245
RB1CC1	2.5631	2.5631	6.5478	2.3536	0.034064	0.1596	-3.8753	9821
S100A9	4105.2	4105.2	3872.1	2.3536	0.034067	0.1596	-3.8753	6280
GRHL3	6.7855	6.7855	13.581	2.3534	0.034078	0.1596	-3.8756	57822
ANKFY1	-1.5912	1.5912	6.1174	-2.3534	0.034078	0.1596	-3.8756	51479

DISP1	-0.31105	0.31105	0.55717	-2.353	0.034104	0.15967	-3.8763	84976
ZNF682	-0.40759	0.40759	0.58942	-2.3528	0.034116	0.15968	-3.8766	91120
ZFP28	-0.24711	0.24711	0.5962	-2.3526	0.034128	0.1597	-3.877	140612
SVIL	-4.2776	4.2776	10.938	-2.3525	0.034139	0.1597	-3.8773	6840
LINC01160	-0.23392	0.23392	0.24582	-2.3521	0.034166	0.15978	-3.8779	1E+08
ITGA1	3.2199	3.2199	3.8953	2.3517	0.034186	0.15978	-3.8785	3672
RAD54L2	-0.9688	0.9688	3.2041	-2.3515	0.034199	0.15978	-3.8788	23132
CWC25	-0.79102	0.79102	3.9757	-2.3515	0.034204	0.15978	-3.8789	54883
SLF2	-0.94117	0.94117	2.8306	-2.3514	0.034206	0.15978	-3.879	55719
LOC100996664	-0.16563	0.16563	0.12523	-2.3513	0.034213	0.15978	-3.8792	1.01E+08
LINC01719	-0.19884	0.19884	0.17206	-2.351	0.034236	0.15985	-3.8798	1.02E+08
GRIK2	-0.15149	0.15149	0.12388	-2.3504	0.034272	0.15993	-3.8807	2898
MON2	-1.0286	1.0286	4.742	-2.3504	0.034273	0.15993	-3.8808	23041
P3H4	1.6046	1.6046	3.0457	2.3497	0.034319	0.1601	-3.882	10609
RNF31	-2.7141	2.7141	5.9611	-2.3496	0.034327	0.1601	-3.8822	55072
SEPSECS	-0.44575	0.44575	1.0163	-2.3488	0.034376	0.16028	-3.8835	51091
NFRKB	-1.1244	1.1244	3.8501	-2.3486	0.034387	0.16029	-3.8838	4798
MPHOSPH8	-1.2216	1.2216	4.2444	-2.3485	0.034397	0.16029	-3.884	54737
LMBR1	1.1848	1.1848	4.0433	2.3482	0.034416	0.16033	-3.8845	64327
LOC105374297	-0.33215	0.33215	0.39058	-2.3479	0.034433	0.16034	-3.885	1.05E+08
SFSWAP	-1.6861	1.6861	7.2156	-2.3479	0.034436	0.16034	-3.885	6433
PIWIL2	-0.16795	0.16795	0.1412	-2.3473	0.034473	0.16046	-3.886	55124
TMED2	17.936	17.936	38.402	2.3464	0.034531	0.16069	-3.8876	10959
LINC01814	-3.1955	3.1955	5.1034	-2.3459	0.034564	0.1608	-3.8884	1.02E+08
C16orf58	-3.7436	3.7436	8.2569	-2.3454	0.034597	0.1609	-3.8893	64755
CKAP4	13.566	13.566	26.103	2.3453	0.034604	0.1609	-3.8894	10970

FBXO45	8.7392	8.7392	8.4257	2.345	0.034625	0.16095	-3.89	200933
SNRNP200	-5.9341	5.9341	16.506	-2.3445	0.034656	0.16101	-3.8908	23020
PVR	2.4743	2.4743	3.3093	2.3442	0.034675	0.16101	-3.8913	5817
TSPAN7	-3.3677	3.3677	3.8761	-2.3442	0.034678	0.16101	-3.8914	7102
RAC1	22.948	22.948	55.03	2.3441	0.034684	0.16101	-3.8915	5879
SOWAHB	0.66042	0.66042	0.66064	2.344	0.034688	0.16101	-3.8916	345079
THSD1	0.77568	0.77568	2.6918	2.3439	0.034695	0.16101	-3.8918	55901
FBXO32	-2.9398	2.9398	2.8975	-2.343	0.034755	0.1612	-3.8934	114907
RBSN	-0.70173	0.70173	3.6106	-2.3429	0.034764	0.1612	-3.8936	64145
ZNF766	-0.82842	0.82842	2.0412	-2.3428	0.034769	0.1612	-3.8937	90321
EEF1AKMT3	-0.67414	0.67414	1.6247	-2.3426	0.034781	0.1612	-3.8941	25895
ZNF107	-0.83499	0.83499	1.3307	-2.3425	0.034787	0.1612	-3.8942	51427
TIMM17A	4.6373	4.6373	7.1261	2.3423	0.034805	0.1612	-3.8947	10440
CTNS	1.2408	1.2408	3.4487	2.3422	0.034808	0.1612	-3.8948	1497
C18orf12	-0.20612	0.20612	0.21741	-2.3422	0.034811	0.1612	-3.8948	84322
FAM201A	-0.16434	0.16434	0.11497	-2.3413	0.034867	0.1614	-3.8963	158228
FAM90A1	-0.17842	0.17842	0.15789	-2.3412	0.034874	0.1614	-3.8965	55138
TJP2	6.9297	6.9297	12.317	2.3409	0.034895	0.16145	-3.897	9414
UBE2L3	5.0803	5.0803	10.612	2.3406	0.034916	0.16146	-3.8975	7332
KIF13B	5.9249	5.9249	10.81	2.3406	0.034916	0.16146	-3.8975	23303
ZNF559	-0.63508	0.63508	1.2244	-2.3397	0.034972	0.16168	-3.899	84527
ATP6V0B	8.5485	8.5485	14.572	2.3394	0.034991	0.16172	-3.8995	533
PCF11-AS1	-0.32931	0.32931	0.4226	-2.3393	0.035002	0.16172	-3.8998	1.07E+08
LNPK	1.2192	1.2192	3.6926	2.3375	0.035117	0.16221	-3.9027	80856
TMEM87A	2.1296	2.1296	7.5713	2.3369	0.035163	0.16238	-3.9039	25963
CLEC2A	-4.7564	4.7564	2.661	-2.3364	0.035195	0.16248	-3.9047	387836

NBR1	-3.1426	3.1426	9.8902	-2.3362	0.03521	0.16251	-3.9051	4077
TMEM18	-0.37528	0.37528	1.4651	-2.3359	0.03523	0.16255	-3.9056	129787
ZNF687	-1.0894	1.0894	3.477	-2.3357	0.035238	0.16255	-3.9058	57592
TXNDC5	18.905	18.905	25.217	2.3354	0.035259	0.16256	-3.9064	81567
PLEKHM1	1.956	1.956	4.8734	2.3354	0.035261	0.16256	-3.9064	9842
TMF1	1.4205	1.4205	4.2548	2.3352	0.035272	0.16257	-3.9067	7110
KDEL2	12.637	12.637	22.251	2.3347	0.035307	0.16266	-3.9076	11014
MAPK4	-0.28839	0.28839	0.16316	-2.3346	0.03531	0.16266	-3.9077	5596
SAMD9	8.4284	8.4284	6.0161	2.3344	0.035329	0.16268	-3.9082	54809
FOXQ1	-1.5629	1.5629	2.6642	-2.3343	0.035335	0.16268	-3.9083	94234
RPAP1	-0.89192	0.89192	2.4186	-2.3329	0.035429	0.16302	-3.9107	26015
TBC1D7-LOC100130357	-0.29812	0.29812	0.32242	-2.3329	0.035429	0.16302	-3.9107	1.07E+08
GRPEL1	3.034	3.034	5.35	2.3327	0.035438	0.16302	-3.9109	80273
KCTD9	4.1249	4.1249	7.1226	2.3326	0.035449	0.16303	-3.9112	54793
MMS19	-1.5047	1.5047	6.3583	-2.3324	0.035462	0.16305	-3.9115	64210
TNFRSF14-AS1	-0.2572	0.2572	0.32605	-2.3314	0.035529	0.16331	-3.9132	115110
OGFRL1	-2.0338	2.0338	4.0163	-2.3311	0.03555	0.16334	-3.9138	79627
LINC00900	-0.36564	0.36564	0.63661	-2.331	0.035556	0.16334	-3.9139	283143
LINC00472	-0.339	0.339	0.43387	-2.3304	0.035594	0.16347	-3.9149	79940
PIK3R6	-0.30002	0.30002	0.37733	-2.3302	0.035606	0.16348	-3.9152	146850
NICN1	-1.1024	1.1024	2.306	-2.3301	0.035615	0.16348	-3.9154	84276
LOC105374344	-0.22562	0.22562	0.22816	-2.3294	0.035665	0.16367	-3.9167	1.05E+08
ZNF160	-0.94467	0.94467	2.6546	-2.3286	0.035715	0.16385	-3.9179	90338
SMG1P7	-3.2607	3.2607	5.4937	-2.3283	0.035736	0.16391	-3.9185	1.01E+08
ZNF286B	-0.16549	0.16549	0.25213	-2.3279	0.035767	0.16397	-3.9193	729288
LOC103908604	-0.21232	0.21232	0.12989	-2.3278	0.03577	0.16397	-3.9193	1.04E+08

DLK2	-1.0571	1.0571	1.5833	-2.3276	0.035785	0.16397	-3.9197	65989
TJP1	5.7169	5.7169	14.755	2.3275	0.03579	0.16397	-3.9198	7082
IL24	7.8287	7.8287	5.2354	2.3266	0.035854	0.16422	-3.9215	11009
TMEM167A	2.2152	2.2152	6.4759	2.3264	0.035868	0.16423	-3.9218	153339
GPR15	-0.24058	0.24058	0.20981	-2.3262	0.035879	0.16423	-3.9221	2838
WFDC2	-1.3015	1.3015	0.93451	-2.3261	0.035886	0.16423	-3.9222	10406
YRDC	2.3383	2.3383	4.3191	2.324	0.036029	0.16483	-3.9258	79693
PYGL	16.721	16.721	18.852	2.3239	0.036036	0.16483	-3.926	5836
MISP	0.87771	0.87771	0.52378	2.3234	0.036068	0.16488	-3.9268	126353
LINC00691	-0.17994	0.17994	0.14868	-2.3232	0.036081	0.16488	-3.9271	152024
BMS1P1	-1.0676	1.0676	1.9763	-2.3232	0.036085	0.16488	-3.9272	399761
ZFY	0.76342	0.76342	1.8913	2.3232	0.036086	0.16488	-3.9272	7544
RNH1	30.382	30.382	56.749	2.3228	0.036109	0.16494	-3.9278	6050
LINC01023	-0.42197	0.42197	0.67078	-2.3224	0.036138	0.16501	-3.9286	1.01E+08
DNAJB7	-0.20825	0.20825	0.21616	-2.3223	0.036144	0.16501	-3.9287	150353
SLC25A12	-1.3736	1.3736	3.2316	-2.3219	0.036171	0.16505	-3.9294	8604
DLGAP3	0.6125	0.6125	0.41108	2.3219	0.036172	0.16505	-3.9294	58512
GAS8-AS1	-0.43207	0.43207	0.51746	-2.3217	0.036188	0.16508	-3.9298	750
ADAM22	-0.17187	0.17187	0.1736	-2.3213	0.036214	0.16508	-3.9304	53616
APOE	-11.896	11.896	16.279	-2.3213	0.036215	0.16508	-3.9305	348
CP	-1.8352	1.8352	1.1074	-2.3212	0.036217	0.16508	-3.9305	1356
PFN2	5.1504	5.1504	6.5849	2.321	0.036236	0.16512	-3.931	5217
DDX6	5.8626	5.8626	18.533	2.3208	0.03625	0.16514	-3.9313	1656
LYPD6B	-1.9742	1.9742	2.6067	-2.3206	0.036264	0.16516	-3.9317	130576
TMEM107	1.3209	1.3209	2.3559	2.3195	0.036338	0.16544	-3.9335	84314
PIM1	31.452	31.452	40.799	2.3194	0.036345	0.16544	-3.9337	5292

CORIN	-0.67704	0.67704	0.64386	-2.3191	0.036366	0.16549	-3.9342	10699
RNF213	-3.7343	3.7343	7.8367	-2.3187	0.036389	0.16554	-3.9348	57674
LOC286437	-0.19086	0.19086	0.78948	-2.3185	0.036403	0.16554	-3.9351	286437
PCP4L1	-1.8424	1.8424	2.1346	-2.3185	0.036406	0.16554	-3.9352	654790
TMEM163	0.26039	0.26039	0.22451	2.3183	0.036415	0.16554	-3.9354	81615
KLK12	11.602	11.602	6.2723	2.3175	0.036475	0.16572	-3.9369	43849
ABCA2	-1.3182	1.3182	2.5816	-2.3174	0.036482	0.16572	-3.9371	20
CADM3	-2.5614	2.5614	2.3593	-2.3173	0.036485	0.16572	-3.9372	57863
RASL11B	-0.30765	0.30765	0.56537	-2.3171	0.036503	0.16575	-3.9376	65997
CLUAP1	-0.54861	0.54861	1.1802	-2.3168	0.036522	0.1658	-3.9381	23059
MYH7B	-0.20948	0.20948	0.20095	-2.3163	0.036556	0.16591	-3.9389	57644
PLPPR4	1.0598	1.0598	1.2116	2.3161	0.036569	0.16592	-3.9392	9890
LOC101929767	-0.37369	0.37369	0.76859	-2.3158	0.036589	0.16596	-3.9397	1.02E+08
LSAMP	-0.23912	0.23912	0.40038	-2.3157	0.036598	0.16596	-3.9399	4045
SCO2	2.5859	2.5859	3.7612	2.3155	0.036609	0.16597	-3.9402	9997
SORT1	10.987	10.987	14.677	2.3151	0.036642	0.16603	-3.941	6272
MTFR1	0.84608	0.84608	2.8638	2.315	0.036646	0.16603	-3.9411	9650
CARD9	-0.32848	0.32848	0.51491	-2.3149	0.036652	0.16603	-3.9413	64170
AMD1	8.4594	8.4594	16.529	2.3146	0.036674	0.16609	-3.9418	262
CHMP5	6.1119	6.1119	9.7236	2.3142	0.036701	0.16616	-3.9425	51510
DCUN1D2	-0.60702	0.60702	1.7752	-2.314	0.036718	0.16619	-3.9429	55208
NAPB	-0.33661	0.33661	1.3424	-2.3135	0.036749	0.16629	-3.9436	63908
CARHSP1	10.555	10.555	12.833	2.3129	0.036792	0.16643	-3.9447	23589
NDUFAF7	-0.41875	0.41875	0.84142	-2.3128	0.036799	0.16643	-3.9449	55471
AP4B1	-0.4629	0.4629	1.5528	-2.3123	0.036837	0.16656	-3.9458	10717
ANXA1	1231.6	1231.6	677.94	2.3121	0.036849	0.16656	-3.9461	301

PGM5P2	-0.74133	0.74133	1.2738	-2.3116	0.036885	0.16666	-3.947	595135
CCZ1	3.6942	3.6942	9.8279	2.3115	0.036893	0.16666	-3.9472	51622
LONRF1	-5.5864	5.5864	6.5841	-2.3112	0.036908	0.16666	-3.9475	91694
RORA-AS1	-1.7702	1.7702	1.9154	-2.3111	0.036916	0.16666	-3.9477	1.02E+08
CDH19	-0.22466	0.22466	0.14532	-2.3109	0.036934	0.16666	-3.9482	28513
BEX5	-0.21387	0.21387	0.21254	-2.3108	0.036937	0.16666	-3.9482	340542
TRPM4	-4.5404	4.5404	8.2833	-2.3108	0.036939	0.16666	-3.9483	54795
CPAMD8	-0.1859	0.1859	0.24807	-2.3103	0.036974	0.16677	-3.9491	27151
MYO5B	4.0459	4.0459	6.8685	2.3098	0.037007	0.16688	-3.9499	4645
HPSE	3.9166	3.9166	3.5743	2.3094	0.037035	0.16693	-3.9506	10855
SCN9A	-0.18199	0.18199	0.20891	-2.3094	0.037038	0.16693	-3.9507	6335
PRR4	-6.1458	6.1458	3.3412	-2.3091	0.037057	0.16694	-3.9512	11272
CROCCP2	-3.2904	3.2904	3.4416	-2.309	0.037062	0.16694	-3.9513	84809
EML5	0.28943	0.28943	0.52458	2.3086	0.037089	0.16696	-3.9519	161436
RABGGTA	3.5891	3.5891	7.2881	2.3083	0.037115	0.16696	-3.9526	5875
LOC100270746	-0.25176	0.25176	0.24716	-2.3082	0.037119	0.16696	-3.9527	1E+08
LVRN	-0.34419	0.34419	0.26439	-2.3081	0.037128	0.16696	-3.9529	206338
NPPA	-0.15527	0.15527	0.16612	-2.308	0.037131	0.16696	-3.953	4878
SNAI1	1.7733	1.7733	1.7443	2.3078	0.037148	0.16696	-3.9534	6615
XGY2	-0.67635	0.67635	0.91875	-2.3077	0.037155	0.16696	-3.9535	1E+08
FAM157B	-0.7505	0.7505	1.6188	-2.3076	0.03716	0.16696	-3.9537	1E+08
ENPP5	-0.23127	0.23127	0.19634	-2.3075	0.037168	0.16696	-3.9539	59084
SCARA3	-2.196	2.196	3.0277	-2.3075	0.037171	0.16696	-3.9539	51435
PITRM1-AS1	-0.37056	0.37056	0.75061	-2.3073	0.03718	0.16696	-3.9541	1.01E+08
USP6NL	1.9904	1.9904	3.9449	2.3073	0.037184	0.16696	-3.9542	9712
TEDDM1	-0.17155	0.17155	0.14945	-2.306	0.03727	0.16731	-3.9563	127670

CORO1C	13.086	13.086	24.268	2.3058	0.037289	0.16732	-3.9568	23603
ZNF691	-0.48652	0.48652	0.99378	-2.3056	0.0373	0.16732	-3.957	51058
VSNL1	6.2408	6.2408	8.5419	2.3056	0.037305	0.16732	-3.9572	7447
CAND1.11	0.3363	0.3363	0.36312	2.3053	0.037321	0.16732	-3.9576	1E+08
LOC100507599	-0.19758	0.19758	0.33801	-2.3053	0.037322	0.16732	-3.9576	1.01E+08
MMACHC	-0.49684	0.49684	1.2179	-2.3052	0.037333	0.16732	-3.9578	25974
ABCD4	-1.1121	1.1121	2.9469	-2.3045	0.037382	0.16744	-3.959	5826
EFNB3	-0.50781	0.50781	0.96659	-2.3044	0.037387	0.16744	-3.9591	1949
NPTN-IT1	-1.2021	1.2021	2.2113	-2.3043	0.03739	0.16744	-3.9592	1.01E+08
TM4SF18	0.90595	0.90595	1.062	2.3038	0.037431	0.16755	-3.9602	116441
TRPS1	4.3592	4.3592	12.487	2.3037	0.037434	0.16755	-3.9603	7227
FH	3.7971	3.7971	10.181	2.3028	0.037497	0.16779	-3.9618	2271
C2CD4D	-0.40572	0.40572	0.32982	-2.3027	0.03751	0.1678	-3.9621	1E+08
FOXP1-AS1	-0.2763	0.2763	0.25748	-2.3025	0.037523	0.16781	-3.9624	1.05E+08
PHC3	-1.4414	1.4414	3.6603	-2.3022	0.037545	0.16787	-3.9629	80012
ATP6V0D1	12.366	12.366	29.196	2.3018	0.037572	0.16794	-3.9636	9114
DUSP10	0.62357	0.62357	1.6249	2.3015	0.037589	0.16797	-3.964	11221
FOLR3	0.18153	0.18153	0.15685	2.3014	0.037598	0.16797	-3.9642	2352
CALM1	24.034	24.034	38.461	2.3008	0.037641	0.16812	-3.9652	801
PLEKHH2	-0.95633	0.95633	1.6643	-2.3006	0.037658	0.16815	-3.9656	130271
P2RX1	-1.1889	1.1889	0.97502	-2.3	0.037696	0.16828	-3.9665	5023
LOC102723769	-0.8704	0.8704	1.2565	-2.2996	0.037726	0.16833	-3.9673	1.03E+08
TNK1	-1.0419	1.0419	1.9771	-2.2996	0.037728	0.16833	-3.9673	8711
WWP2	-1.3882	1.3882	4.3608	-2.2991	0.037759	0.16838	-3.968	11060
CNIH2	-0.2154	0.2154	0.40417	-2.2991	0.03776	0.16838	-3.9681	254263
PSMC6	7.4122	7.4122	13.488	2.2984	0.037809	0.16852	-3.9692	5706

SLC38A3	0.35793	0.35793	0.24966	2.2983	0.037817	0.16852	-3.9694	10991
PSMA4	11.936	11.936	18.528	2.2983	0.037821	0.16852	-3.9695	5685
EFCAB2	-0.23322	0.23322	0.39618	-2.2978	0.037857	0.16862	-3.9704	84288
LOC101930421	-0.61678	0.61678	0.87887	-2.2975	0.037874	0.16862	-3.9708	1.02E+08
LACC1	0.55784	0.55784	1.1977	2.2975	0.037874	0.16862	-3.9708	144811
COX15	-0.56547	0.56547	2.2165	-2.2974	0.037885	0.16863	-3.971	1355
FAM83B	10.57	10.57	21.783	2.297	0.03791	0.16865	-3.9716	222584
SOX21-AS1	-1.6344	1.6344	1.8288	-2.2969	0.037919	0.16865	-3.9718	1.01E+08
FAM156A	-0.37008	0.37008	0.58435	-2.2969	0.03792	0.16865	-3.9719	29057
RASL10A	-0.19411	0.19411	0.29982	-2.2968	0.037929	0.16865	-3.9721	10633
XRCC3	-1.8061	1.8061	3.5379	-2.2966	0.037942	0.16866	-3.9724	7517
WDR6	-3.2156	3.2156	6.4971	-2.2964	0.037957	0.16867	-3.9727	11180
FOXN3	-3.8405	3.8405	12.629	-2.296	0.037984	0.16867	-3.9734	1112
SNORA77B	-0.48269	0.48269	0.46824	-2.2959	0.037992	0.16867	-3.9736	1.1E+08
MAML1	-1.3364	1.3364	6.3615	-2.2958	0.037995	0.16867	-3.9736	9794
USP16	2.2512	2.2512	6.2746	2.2958	0.037995	0.16867	-3.9736	10600
LGR5	-0.28086	0.28086	0.20327	-2.2955	0.038022	0.16872	-3.9743	8549
CDYL	1.736	1.736	6.4628	2.2954	0.038025	0.16872	-3.9743	9425
SH3BP4	-1.6482	1.6482	4.9511	-2.2952	0.038043	0.16875	-3.9748	23677
PHF1	-1.4299	1.4299	2.6166	-2.2949	0.038063	0.1688	-3.9752	5252
VSIG2	-0.21317	0.21317	0.33774	-2.2947	0.038074	0.1688	-3.9755	23584
LOC102031319	-0.20533	0.20533	0.18382	-2.2944	0.0381	0.16887	-3.9761	1.02E+08
ERCC5	-1.729	1.729	5.5113	-2.2941	0.03812	0.1689	-3.9766	2073
MGA	-0.70525	0.70525	3.6597	-2.294	0.038125	0.1689	-3.9767	23269
RAPGEF6	-0.65322	0.65322	2.1161	-2.2937	0.038149	0.16894	-3.9773	51735
RGPD5	-0.92139	0.92139	1.8498	-2.2935	0.038164	0.16894	-3.9776	84220

LCMT1-AS2	-0.50134	0.50134	0.82562	-2.2933	0.038176	0.16894	-3.9779	1.01E+08
VAMP7	1.0576	1.0576	2.5454	2.2933	0.038176	0.16894	-3.9779	6845
SH3PXD2A-AS1	1.6493	1.6493	3.6722	2.2932	0.038185	0.16894	-3.9781	1.01E+08
ST3GAL5-AS1	-0.17469	0.17469	0.10901	-2.293	0.038198	0.16895	-3.9784	1.02E+08
ATF7	-1.9701	1.9701	5.9567	-2.2926	0.038229	0.16902	-3.9792	11016
ZFYVE16	0.89639	0.89639	2.6749	2.2925	0.038233	0.16902	-3.9793	9765
ZC2HC1A	-1.2561	1.2561	1.7943	-2.2919	0.03828	0.16918	-3.9804	51101
TMEM117	1.3394	1.3394	4.2108	2.2917	0.038291	0.16919	-3.9806	84216
RMC1	1.1998	1.1998	3.3338	2.2912	0.038327	0.1693	-3.9815	29919
ZNRF3	-0.79078	0.79078	1.8041	-2.291	0.038346	0.16934	-3.9819	84133
EFHC2	-0.30628	0.30628	0.38772	-2.2906	0.038375	0.16942	-3.9826	80258
SELENOK	4.7714	4.7714	8.3678	2.2903	0.03839	0.16945	-3.9829	58515
SDHAP2	-2.9567	2.9567	5.9727	-2.2899	0.03842	0.16953	-3.9836	727956
CAPZA3	-0.27265	0.27265	0.1607	-2.2894	0.03846	0.16967	-3.9846	93661
AKAP6	-0.2972	0.2972	0.47225	-2.2887	0.038508	0.16979	-3.9857	9472
FAP	7.0199	7.0199	5.6434	2.2886	0.038517	0.16979	-3.9859	2191
MRPL47	5.2127	5.2127	7.0391	2.2885	0.038522	0.16979	-3.986	57129
SYAP1	2.1377	2.1377	5.3093	2.2882	0.038544	0.16979	-3.9865	94056
CENPN	0.71461	0.71461	1.0727	2.2882	0.038548	0.16979	-3.9866	55839
ABHD13	0.58809	0.58809	1.5114	2.2881	0.038553	0.16979	-3.9867	84945
VPS4B	5.7907	5.7907	12.499	2.288	0.038558	0.16979	-3.9869	9525
GUSBP2	-0.55102	0.55102	0.98506	-2.2877	0.038582	0.16983	-3.9874	387036
CDK5RAP3	-4.5397	4.5397	8.7816	-2.2876	0.038592	0.16983	-3.9877	80279
RHOA	44.829	44.829	102.07	2.2873	0.038612	0.16983	-3.9881	387
GTF3C4	-0.78728	0.78728	3.6096	-2.2872	0.038617	0.16983	-3.9882	9329
LINC00412	-0.19127	0.19127	0.10873	-2.2872	0.03862	0.16983	-3.9883	1.03E+08

ABAT	-0.20601	0.20601	0.34842	-2.2871	0.038627	0.16983	-3.9885	18
YWHAH	12.405	12.405	24.034	2.2867	0.038657	0.16991	-3.9892	7533
SPTLC2	3.9786	3.9786	7.6593	2.2863	0.038682	0.16995	-3.9897	9517
DDX52	1.1499	1.1499	2.8654	2.2863	0.038687	0.16995	-3.9898	11056
ZNF197	-0.34782	0.34782	1.1713	-2.2861	0.038695	0.16995	-3.99	10168
ENTPD7	2.0428	2.0428	4.112	2.2856	0.038732	0.17003	-3.9909	57089
TTC9	4.6237	4.6237	4.2459	2.2856	0.038734	0.17003	-3.991	23508
SGPP1	1.6951	1.6951	2.5053	2.2855	0.038744	0.17003	-3.9912	81537
KPNA6	3.6272	3.6272	11.348	2.2853	0.038759	0.17005	-3.9915	23633
SLIT2	-0.83339	0.83339	1.7516	-2.2852	0.038767	0.17005	-3.9917	9353
ZNF271P	0.64143	0.64143	1.5226	2.285	0.038779	0.17005	-3.992	10778
SUPT6H	-3.3005	3.3005	11.558	-2.2843	0.038831	0.17017	-3.9932	6830
SERPINA9	-0.19253	0.19253	0.13506	-2.2842	0.038838	0.17017	-3.9933	327657
PHF20L1	0.90528	0.90528	2.9585	2.2841	0.038842	0.17017	-3.9935	51105
IKZF2	-0.54043	0.54043	0.66981	-2.2841	0.038846	0.17017	-3.9935	22807
RPLP0P2	0.37744	0.37744	0.22422	2.2835	0.038889	0.17032	-3.9945	113157
COX7B	8.0198	8.0198	9.8703	2.283	0.038926	0.17037	-3.9954	1349
TSPAN14	-3.3432	3.3432	11.475	-2.2828	0.038938	0.17037	-3.9957	81619
KANSL1L	-0.68699	0.68699	1.6977	-2.2828	0.038938	0.17037	-3.9957	151050
E2F2	-1.0205	1.0205	1.3714	-2.2828	0.038942	0.17037	-3.9957	1870
TMEM61	0.25113	0.25113	0.40119	2.2823	0.038977	0.17048	-3.9966	199964
SPESP1	0.51817	0.51817	0.48994	2.282	0.039	0.17053	-3.9971	246777
ARHGAP12	-1.3262	1.3262	3.6496	-2.2815	0.039033	0.17064	-3.9979	94134
BAG2	1.7995	1.7995	1.8773	2.2814	0.039044	0.17064	-3.9981	9532
PCDHGA2	-0.17994	0.17994	0.3563	-2.2811	0.039067	0.17067	-3.9986	56113
PLSCR3	6.7022	6.7022	11.287	2.281	0.039071	0.17067	-3.9987	57048

MAP6	-0.3151	0.3151	0.34471	-2.2805	0.039112	0.1708	-3.9997	4135
CCND1	-10.443	10.443	19.157	-2.28	0.039148	0.17092	-4.0005	595
YWHAG	14.178	14.178	25.043	2.2792	0.039202	0.17111	-4.0017	7532
TPCN2	-0.80293	0.80293	2.3043	-2.2789	0.039225	0.17112	-4.0022	219931
ANKRD18A	-0.40089	0.40089	0.24938	-2.2788	0.039231	0.17112	-4.0024	253650
C8orf44-SGK3	-0.27349	0.27349	0.32851	-2.2788	0.039236	0.17112	-4.0025	1.01E+08
CIAO2B	5.5592	5.5592	10.392	2.2786	0.039249	0.17114	-4.0028	51647
ARHGEF26-AS1	-0.23997	0.23997	0.32523	-2.2781	0.039288	0.17124	-4.0037	1.01E+08
HDAC11	-1.1916	1.1916	2.2074	-2.278	0.039294	0.17124	-4.0038	79885
NKD1	-0.61857	0.61857	0.91755	-2.2778	0.039305	0.17125	-4.0041	85407
USP17L4	-0.14731	0.14731	0.081517	-2.2771	0.039355	0.1714	-4.0052	645402
BCOR	-1.278	1.278	3.7732	-2.2771	0.039359	0.1714	-4.0053	54880
SDHAP1	-1.8454	1.8454	3.6275	-2.2764	0.039408	0.17143	-4.0064	255812
RPS6KB2	14.308	14.308	30.398	2.2764	0.039409	0.17143	-4.0064	6199
PALLD	9.2977	9.2977	25.499	2.2761	0.039431	0.17143	-4.007	23022
RFTN1	5.0841	5.0841	9.1982	2.276	0.03944	0.17143	-4.0072	23180
CEBPA-DT	-0.41847	0.41847	0.52158	-2.276	0.039441	0.17143	-4.0072	80054
RBM5-AS1	-2.4953	2.4953	5.0943	-2.2759	0.039451	0.17143	-4.0074	1.01E+08
USP17L7	-0.2231	0.2231	0.20172	-2.2758	0.039452	0.17143	-4.0074	392197
STRN	2.1964	2.1964	4.8486	2.2758	0.039455	0.17143	-4.0075	6801
NCAPD3	-0.65796	0.65796	2.2721	-2.2757	0.039459	0.17143	-4.0076	23310
C6orf62	6.3915	6.3915	14.708	2.2753	0.039495	0.17154	-4.0084	81688
CFAP410	-1.3374	1.3374	2.7013	-2.2749	0.039525	0.17158	-4.0091	755
UFC1	10.279	10.279	21.962	2.2749	0.039525	0.17158	-4.0091	51506
NXPH3	-0.42421	0.42421	0.46121	-2.2747	0.039538	0.17158	-4.0094	11248
PSMD6-AS2	-1.1523	1.1523	1.7286	-2.2746	0.039545	0.17158	-4.0095	1.01E+08

cGLRX2	0.72328	0.72328	1.6889	2.2737	0.039611	0.17177	-4.011	51022
WDR53	3.373	3.373	3.6675	2.2737	0.039611	0.17177	-4.011	348793
FAM83F	-4.5417	4.5417	9.3122	-2.2735	0.039627	0.17177	-4.0114	113828
ZNF880	-0.78479	0.78479	1.403	-2.2735	0.039628	0.17177	-4.0114	400713
C1orf229	-0.22512	0.22512	0.27005	-2.2731	0.039656	0.1718	-4.0121	388759
LOC101928402	-0.28506	0.28506	0.18384	-2.2731	0.039657	0.1718	-4.0121	1.02E+08
PTEN	3.6291	3.6291	9.8499	2.2728	0.039676	0.17184	-4.0125	5728
DAPK3	5.4156	5.4156	10.658	2.2726	0.039694	0.17188	-4.0129	1613
ANKRD50	1.5224	1.5224	4.7616	2.2717	0.039759	0.17208	-4.0144	57182
NRN1L	-0.18162	0.18162	0.21143	-2.2716	0.039767	0.17208	-4.0146	123904
CNTRL	-0.53165	0.53165	1.2289	-2.2714	0.039781	0.17208	-4.0149	11064
ANXA3	11.993	11.993	8.0314	2.2714	0.039782	0.17208	-4.0149	306
ZAP70	-0.38305	0.38305	0.48463	-2.2709	0.039819	0.17216	-4.0158	7535
MYLK-AS1	-0.24508	0.24508	0.30094	-2.2708	0.039827	0.17216	-4.0159	1.01E+08
MYD88	7.9023	7.9023	12.953	2.2708	0.039831	0.17216	-4.016	4615
WFDC1	1.3853	1.3853	1.4846	2.2696	0.039921	0.17239	-4.018	58189
LINC01451	-0.24007	0.24007	0.31231	-2.2694	0.039936	0.17239	-4.0184	401561
CEP126	-0.3398	0.3398	0.43926	-2.2692	0.039949	0.17239	-4.0187	57562
ARF6	10.756	10.756	23.862	2.2691	0.039957	0.17239	-4.0188	382
WDR88	-0.142	0.142	0.12963	-2.2689	0.039973	0.17239	-4.0192	126248
FREM2	-0.35202	0.35202	0.27326	-2.2686	0.039989	0.17239	-4.0196	341640
CRK	4.3016	4.3016	12.025	2.2686	0.039996	0.17239	-4.0197	1398
UIMC1	-0.66956	0.66956	3.381	-2.2685	0.040004	0.17239	-4.0199	51720
ZNF219	-4.276	4.276	7.6932	-2.2684	0.040007	0.17239	-4.02	51222
AFF3	-0.41121	0.41121	0.33128	-2.2684	0.040009	0.17239	-4.02	3899
GNRH1	-0.46738	0.46738	0.83373	-2.2681	0.040031	0.17239	-4.0205	2796

VEGFA	6.7174	6.7174	11.718	2.2681	0.040034	0.17239	-4.0206	7422
AMIGO2	0.61774	0.61774	1.1088	2.268	0.040038	0.17239	-4.0207	347902
CCNYL1	1.5992	1.5992	3.0433	2.2679	0.040045	0.17239	-4.0208	151195
RNASE3	-0.17936	0.17936	0.13571	-2.2679	0.040045	0.17239	-4.0208	6037
LINC01235	0.49058	0.49058	0.43057	2.2677	0.040064	0.17239	-4.0213	401492
UBASH3B	1.0646	1.0646	2.1906	2.2675	0.040074	0.17239	-4.0215	84959
KPNA3	2.3312	2.3312	5.7966	2.2675	0.040078	0.17239	-4.0216	3839
PAAF1	-0.77301	0.77301	1.9864	-2.2674	0.040081	0.17239	-4.0216	80227
ZMIZ2	-3.0374	3.0374	8.9021	-2.2673	0.040088	0.17239	-4.0218	83637
EIF4A1	72.511	72.511	131.06	2.2667	0.040136	0.17249	-4.0228	1973
NDUFAF6	-0.17193	0.17193	0.41932	-2.2666	0.040147	0.17249	-4.0231	137682
COPS7B	-1.0538	1.0538	3.1726	-2.2665	0.04015	0.17249	-4.0232	64708
BRD9	-1.0926	1.0926	3.7551	-2.2665	0.040152	0.17249	-4.0232	65980
ADAMTS17	-0.36544	0.36544	0.85491	-2.2661	0.040181	0.17257	-4.0239	170691
RRP36	4.7946	4.7946	11.006	2.2655	0.040224	0.1727	-4.0248	88745
DNAJB9	1.0194	1.0194	2.1336	2.2654	0.040232	0.1727	-4.025	4189
FAM241B	-0.31418	0.31418	0.31797	-2.2651	0.040258	0.1727	-4.0256	219738
KRT14	6151	6151	6685.1	2.265	0.040267	0.1727	-4.0258	3861
ANXA8L1	22.207	22.207	43.282	2.2647	0.040285	0.1727	-4.0262	728113
FAM155A	0.22078	0.22078	0.18252	2.2645	0.040305	0.1727	-4.0266	728215
SPOUT1	-1.1061	1.1061	2.642	-2.2644	0.04031	0.1727	-4.0267	51490
SLC6A17	-0.59764	0.59764	0.7001	-2.2644	0.040312	0.1727	-4.0268	388662
USO1	4.0986	4.0986	10.74	2.2644	0.040312	0.1727	-4.0268	8615
JAG2	-3.4442	3.4442	7.0838	-2.2643	0.040314	0.1727	-4.0268	3714
GGPS1	1.2087	1.2087	3.3337	2.264	0.040338	0.17276	-4.0274	9453
C20orf203	-0.15486	0.15486	0.10549	-2.2635	0.040376	0.17288	-4.0282	284805

FBXO17	-0.87065	0.87065	1.881	-2.2623	0.04047	0.17319	-4.0303	115290
ZNF324B	-0.5544	0.5544	1.22	-2.262	0.040488	0.17319	-4.0307	388569
LINC01278	-0.54092	0.54092	2.024	-2.2619	0.040497	0.17319	-4.0309	92249
LOC105372069	-0.21029	0.21029	0.18789	-2.2618	0.040509	0.17319	-4.0311	1.05E+08
ZSCAN12P1	0.20998	0.20998	0.20456	2.2618	0.04051	0.17319	-4.0312	221584
MFSD14C	-0.79678	0.79678	2.0981	-2.2617	0.040511	0.17319	-4.0312	84278
NUCB2	2.1586	2.1586	4.1194	2.2615	0.040531	0.17319	-4.0316	4925
C22orf39	-0.68186	0.68186	2.4004	-2.2614	0.040535	0.17319	-4.0317	128977
IRAK1BP1	-0.21863	0.21863	0.51999	-2.2614	0.04054	0.17319	-4.0318	134728
MAMDC4	-0.58546	0.58546	0.66779	-2.2612	0.04055	0.17319	-4.0321	158056
BCAR3	-0.68758	0.68758	1.793	-2.2608	0.040581	0.17322	-4.0327	8412
SDHC	4.5272	4.5272	11.803	2.2608	0.040586	0.17322	-4.0329	6391
PLEKHB2	3.4299	3.4299	9.132	2.2605	0.040603	0.17322	-4.0332	55041
CLEC2B	-3.0122	3.0122	4.9896	-2.2604	0.040616	0.17322	-4.0335	9976
FAM89A	12.122	12.122	15.817	2.2604	0.040617	0.17322	-4.0335	375061
CACNA1D	-0.18525	0.18525	0.20778	-2.2603	0.040618	0.17322	-4.0336	776
CHRND	-0.16409	0.16409	0.1009	-2.2599	0.040652	0.17331	-4.0343	1144
PRKAG2	-0.71269	0.71269	1.8271	-2.2594	0.040689	0.17343	-4.0351	51422
PMEL	-11.144	11.144	8.1585	-2.259	0.040719	0.17349	-4.0358	6490
ZNF808	-0.93805	0.93805	2.1841	-2.259	0.040723	0.17349	-4.0359	388558
CCT5	8.7672	8.7672	15.449	2.2587	0.040747	0.17355	-4.0364	22948
ASNSD1	2.0423	2.0423	4.9556	2.2582	0.040784	0.17363	-4.0372	54529
ATG7	-0.62594	0.62594	3.3852	-2.2581	0.040788	0.17363	-4.0373	10533
MYO5C	-1.0535	1.0535	1.9468	-2.2579	0.040804	0.17366	-4.0377	55930
LOC101929679	-0.16905	0.16905	0.20599	-2.2575	0.040837	0.17375	-4.0384	1.02E+08
LCE3E	189.79	189.79	148.17	2.257	0.040877	0.17385	-4.0392	353145

AJM1	-0.37931	0.37931	0.43061	-2.2569	0.040881	0.17385	-4.0394	389813
ZNF37A	-0.47751	0.47751	1.1407	-2.2565	0.040914	0.17394	-4.0401	7587
PXDN	10.086	10.086	10.39	2.2564	0.040922	0.17394	-4.0403	7837
ZNF138	-0.66814	0.66814	1.0418	-2.2552	0.041008	0.17426	-4.0421	7697
PGK1	44.016	44.016	71.424	2.2551	0.041022	0.17428	-4.0424	5230
EVC2	-0.56669	0.56669	1.0754	-2.2548	0.041045	0.17433	-4.0429	132884
ETF1	8.6294	8.6294	20.116	2.2544	0.041075	0.17441	-4.0436	2107
MMP24OS	12.472	12.472	21.59	2.2536	0.041136	0.1746	-4.0449	1.01E+08
UBOX5-AS1	-0.20021	0.20021	0.23272	-2.2535	0.04114	0.1746	-4.045	1E+08
SLC26A1	-0.38745	0.38745	0.50766	-2.2531	0.041175	0.17471	-4.0458	10861
IQCJ-SCHIP1	1.1733	1.1733	1.5496	2.2528	0.041193	0.17474	-4.0462	1.01E+08
EPS8L1	18.097	18.097	27.445	2.2524	0.04123	0.17485	-4.047	54869
SURF6	-2.6971	2.6971	4.5741	-2.2523	0.041239	0.17485	-4.0472	6838
KCNK10	0.23882	0.23882	0.25529	2.2518	0.041272	0.17493	-4.0479	54207
LUM	99.924	99.924	71.847	2.2516	0.041289	0.17493	-4.0483	4060
COPS4	2.8175	2.8175	5.3122	2.2512	0.041317	0.17493	-4.0489	51138
PRKCZ-AS1	-0.32088	0.32088	0.52533	-2.2511	0.041327	0.17493	-4.0491	1.01E+08
ANKRD36B	-0.92705	0.92705	1.5712	-2.2511	0.041332	0.17493	-4.0492	57730
SMAD1-AS2	-0.25483	0.25483	0.33601	-2.251	0.041335	0.17493	-4.0492	1.02E+08
SF3B6	16.943	16.943	23.187	2.2509	0.041347	0.17493	-4.0495	51639
PRRT3	-0.67924	0.67924	0.88274	-2.2507	0.041359	0.17493	-4.0498	285368
HCFC2	0.57685	0.57685	2.0674	2.2507	0.041362	0.17493	-4.0498	29915
FBXW8	-0.83931	0.83931	2.2088	-2.2507	0.041362	0.17493	-4.0498	26259
HSPB1	467.62	467.62	659.98	2.2503	0.041392	0.17501	-4.0505	3315
ADCY10P1	-0.15998	0.15998	0.1725	-2.2499	0.04142	0.17507	-4.0511	221442
TRIM14	-3.6367	3.6367	5.5601	-2.2498	0.041428	0.17507	-4.0512	9830

CYP3A5	-1.5753	1.5753	1.88	-2.2487	0.041511	0.17537	-4.0531	1577
MCFD2	3.674	3.674	8.8595	2.2486	0.041521	0.17537	-4.0533	90411
MTA1	-2.5032	2.5032	7.77	-2.2485	0.041531	0.17537	-4.0535	9112
CEL	-0.17118	0.17118	0.19237	-2.2484	0.041539	0.17537	-4.0537	1056
LOC101928837	-0.28887	0.28887	0.21959	-2.2482	0.041557	0.17538	-4.054	1.02E+08
ZNF586	-0.93253	0.93253	2.9016	-2.2481	0.041561	0.17538	-4.0541	54807
CCDC84	-0.99208	0.99208	2.8412	-2.2479	0.041577	0.1754	-4.0545	338657
LOC101927143	-0.61224	0.61224	0.3713	-2.2477	0.041589	0.17541	-4.0547	1.02E+08
PRAC2	-0.37785	0.37785	0.32941	-2.2474	0.041616	0.17548	-4.0553	360205
DHX29	1.4957	1.4957	4.7413	2.2466	0.041676	0.17566	-4.0566	54505
CXCR1	2.634	2.634	1.8126	2.2466	0.041682	0.17566	-4.0567	3577
NRG4	-0.2653	0.2653	0.40595	-2.2459	0.041735	0.17585	-4.0579	145957
LRRC4B	-0.34135	0.34135	0.36304	-2.2448	0.041821	0.17616	-4.0597	94030
ZNF337	-0.66892	0.66892	1.9725	-2.2445	0.041843	0.17621	-4.0602	26152
ZNF266	-1.0044	1.0044	3.5773	-2.2436	0.041911	0.17638	-4.0616	10781
TMEM255A	-0.24129	0.24129	0.23802	-2.2435	0.041918	0.17638	-4.0618	55026
AATBC	-0.86349	0.86349	1.3095	-2.2434	0.041929	0.17638	-4.062	284837
GCLC	-0.7912	0.7912	3.4989	-2.2434	0.04193	0.17638	-4.062	2729
ASB14	-0.34235	0.34235	0.47855	-2.2431	0.041953	0.17638	-4.0625	142686
HDAC2	1.4621	1.4621	3.6804	2.2431	0.041953	0.17638	-4.0625	3066
DNAJC3	2.5983	2.5983	6.9494	2.2431	0.041955	0.17638	-4.0626	5611
LOC100129203	-0.484	0.484	0.5406	-2.2427	0.041987	0.17647	-4.0633	1E+08
STARD4	0.81194	0.81194	1.2252	2.2422	0.042024	0.17657	-4.064	134429
PPP1R26-AS1	-0.14863	0.14863	0.19552	-2.2421	0.042031	0.17657	-4.0642	1.01E+08
SUCLG1	10.582	10.582	16.806	2.2412	0.042104	0.17683	-4.0657	8802
ATP5MGL	-0.24427	0.24427	0.2538	-2.2407	0.04214	0.17693	-4.0665	267020

TRUB1	0.83926	0.83926	2.0806	2.2404	0.042168	0.177	-4.0671	142940
FSD1L	0.21324	0.21324	0.32201	2.2403	0.042176	0.177	-4.0673	83856
ENGASE	-1.9745	1.9745	2.8482	-2.2401	0.04219	0.17701	-4.0676	64772
MANEAL	-0.71964	0.71964	1.2109	-2.2394	0.042245	0.1772	-4.0687	149175
CKS2	6.3567	6.3567	5.7829	2.239	0.042275	0.17724	-4.0694	1164
FBXL22	-0.26007	0.26007	0.35881	-2.239	0.042276	0.17724	-4.0694	283807
URB1	-1.1491	1.1491	3.4271	-2.2387	0.042302	0.17728	-4.0699	9875
REPS2	-0.18372	0.18372	0.31817	-2.2386	0.04231	0.17728	-4.0701	9185
TMEM217	0.26692	0.26692	0.35066	2.2384	0.042324	0.17728	-4.0704	221468
XPNPEP2	-1.1919	1.1919	0.93397	-2.2383	0.042328	0.17728	-4.0705	7512
PBX1	-1.3319	1.3319	3.9622	-2.2378	0.042369	0.17741	-4.0714	5087
MRPS15	7.7574	7.7574	15.166	2.2375	0.042394	0.17746	-4.0719	64960
FAM85A	-0.19406	0.19406	0.18481	-2.2374	0.042401	0.17746	-4.072	619423
GABRP	-4.0593	4.0593	2.3178	-2.2371	0.04243	0.17753	-4.0726	2568
UBE2D2	4.4388	4.4388	12.314	2.2369	0.042445	0.17755	-4.073	7322
TPRG1-AS1	-0.28048	0.28048	0.49231	-2.2363	0.04249	0.17769	-4.0739	1.01E+08
PCDHGB2	-0.25209	0.25209	0.68003	-2.2362	0.042498	0.17769	-4.0741	56103
KCNJ2-AS1	-0.21336	0.21336	0.28767	-2.2359	0.042525	0.17773	-4.0746	400617
RAMAC	2.8074	2.8074	6.6611	2.2358	0.042531	0.17773	-4.0748	83640
NBDY	1.3589	1.3589	3.0082	2.2351	0.042587	0.17787	-4.0759	550643
PUSL1	2.2528	2.2528	5.1431	2.2351	0.042588	0.17787	-4.076	126789
SLC1A6	-0.22235	0.22235	0.17742	-2.2349	0.042599	0.17787	-4.0762	6511
TSPO2	-0.17427	0.17427	0.13128	-2.2349	0.042605	0.17787	-4.0763	222642
C11orf91	0.88209	0.88209	0.87169	2.2346	0.042626	0.17791	-4.0768	1E+08
MISP3	-0.60762	0.60762	1.0761	-2.2343	0.042653	0.17798	-4.0773	113230
PHAX	1.5367	1.5367	4.3815	2.2337	0.0427	0.17813	-4.0783	51808

FUT2	3.8212	3.8212	4.1814	2.233	0.042756	0.17818	-4.0795	2524
TIGD7	-0.26552	0.26552	0.50591	-2.2329	0.042759	0.17818	-4.0796	91151
AGAP6	-1.2184	1.2184	2.7005	-2.2328	0.042772	0.17818	-4.0798	414189
CCAT2	-0.16397	0.16397	0.11694	-2.2328	0.042774	0.17818	-4.0799	1.02E+08
WDR25	-0.39152	0.39152	1.0898	-2.2326	0.042784	0.17818	-4.0801	79446
ZWILCH	1.0148	1.0148	1.756	2.2325	0.042794	0.17818	-4.0803	55055
SHISA9	-6.1967	6.1967	10.465	-2.2325	0.042797	0.17818	-4.0803	729993
C11orf72	-2.6423	2.6423	7.0414	-2.2325	0.042797	0.17818	-4.0804	1.01E+08
FOXF2	0.8715	0.8715	0.92934	2.2323	0.042807	0.17818	-4.0806	2295
AIF1L	2.3783	2.3783	5.1353	2.2318	0.042851	0.17826	-4.0815	83543
CCDC57	-0.77267	0.77267	1.3097	-2.2318	0.042854	0.17826	-4.0815	284001
PI3	1191.7	1191.7	812.18	2.2317	0.042857	0.17826	-4.0816	5266
LOC100132686	-0.41871	0.41871	0.43458	-2.2315	0.042872	0.17828	-4.0819	1E+08
ABHD17B	5.0203	5.0203	5.571	2.2313	0.042889	0.1783	-4.0823	51104
RNF144A	1.565	1.565	2.7925	2.2307	0.042938	0.17837	-4.0833	9781
LOC100130357	-0.19619	0.19619	0.24459	-2.2307	0.042939	0.17837	-4.0833	1E+08
OR7E12P	-0.319	0.319	0.40566	-2.2306	0.042944	0.17837	-4.0834	10821
TM4SF1	56.393	56.393	46.979	2.2306	0.042947	0.17837	-4.0835	4071
RRAGC	5.6788	5.6788	10.336	2.2301	0.042986	0.17848	-4.0843	64121
ZNF561	2.3117	2.3117	4.9672	2.23	0.042994	0.17848	-4.0845	93134
SLC16A3	5.1798	5.1798	5.0098	2.2297	0.043017	0.17853	-4.0849	9123
APOL3	-1.7789	1.7789	2.0584	-2.2296	0.043029	0.17853	-4.0852	80833
PTGIS	-5.6881	5.6881	4.3363	-2.2295	0.043038	0.17853	-4.0854	5740
CCDC124	11.696	11.696	19.874	2.2285	0.043117	0.17879	-4.087	115098
CARD8-AS1	0.54498	0.54498	0.74459	2.2284	0.043123	0.17879	-4.0871	1.01E+08
CKAP2L	0.68781	0.68781	0.74379	2.2278	0.043174	0.17893	-4.0882	150468

LINC01614	0.73441	0.73441	0.3909	2.2277	0.043178	0.17893	-4.0883	1.05E+08
DUOX1	17.655	17.655	29.756	2.2274	0.043207	0.17893	-4.0889	53905
ATP13A2	3.6611	3.6611	7.9677	2.2273	0.043209	0.17893	-4.0889	23400
LSM8	-0.393	0.393	0.76804	-2.2273	0.04321	0.17893	-4.0889	51691
TMEM50A	6.4973	6.4973	16.699	2.2269	0.043241	0.17902	-4.0896	23585
CRYBB2P1	-0.60458	0.60458	2.3292	-2.2266	0.043268	0.17908	-4.0901	1416
SAPCD1	-0.30833	0.30833	0.18771	-2.2265	0.043279	0.17909	-4.0904	401251
SNORA49	-18.597	18.597	15.95	-2.2261	0.043313	0.17913	-4.0911	677829
SPOCD1	0.34282	0.34282	0.2649	2.226	0.043317	0.17913	-4.0912	90853
ANKRD22	3.6608	3.6608	5.2826	2.226	0.04332	0.17913	-4.0912	118932
CHUK	1.2386	1.2386	3.1099	2.2258	0.043336	0.17915	-4.0915	1147
PARP15	-5.8199	5.8199	9.0482	-2.2244	0.043447	0.17956	-4.0938	165631
ACVR2B	-0.25173	0.25173	0.55139	-2.2238	0.043498	0.17964	-4.0949	93
PTPN4	-0.37704	0.37704	1.174	-2.2237	0.0435	0.17964	-4.0949	5775
SETD1B	-2.5021	2.5021	6.1621	-2.2237	0.043504	0.17964	-4.095	23067
HILPDA	5.8022	5.8022	8.0425	2.2236	0.043508	0.17964	-4.0951	29923
NPIPA3	-0.24445	0.24445	0.36048	-2.2231	0.043555	0.17979	-4.096	642778
ZNF331	-0.39937	0.39937	1.475	-2.2224	0.043613	0.17999	-4.0972	55422
GPC3	-2.7018	2.7018	2.5378	-2.2222	0.043628	0.18	-4.0975	2719
SENP8	-0.22912	0.22912	0.65117	-2.2221	0.043637	0.18	-4.0977	123228
SPC25	-4.1564	4.1564	7.4414	-2.2215	0.043685	0.18015	-4.0987	57405
LOC101928323	-0.23845	0.23845	0.2743	-2.2206	0.043755	0.18039	-4.1001	1.02E+08
FBXO38	1.2758	1.2758	4.6519	2.2202	0.043788	0.18049	-4.1008	81545
PIGL	-0.99369	0.99369	3.1972	-2.2198	0.043822	0.18057	-4.1015	9487
KCNJ2	-0.70341	0.70341	1.2197	-2.2197	0.043829	0.18057	-4.1017	3759
PPP4R2	1.3754	1.3754	4.0861	2.2192	0.043872	0.1807	-4.1025	151987

S100A2	254.93	254.93	255.95	2.2186	0.043922	0.18086	-4.1035	6273
CYP20A1	-0.45857	0.45857	1.9052	-2.2183	0.043941	0.1809	-4.1039	57404
MYH11	-15.202	15.202	13.448	-2.2177	0.043998	0.18108	-4.1051	4629
SERPIND1	-0.1767	0.1767	0.27587	-2.217	0.04405	0.18123	-4.1061	3053
OCIAD2	6.3563	6.3563	9.6709	2.2168	0.044067	0.18123	-4.1065	132299
PPP1R3F	-0.50327	0.50327	0.82172	-2.2168	0.04407	0.18123	-4.1065	89801
GPRC5A	20.879	20.879	11.752	2.2167	0.044075	0.18123	-4.1066	9052
LOC101929719	-0.32154	0.32154	0.32326	-2.2166	0.044089	0.18124	-4.1069	1.02E+08
KHDC1	-0.20301	0.20301	0.45347	-2.2163	0.044106	0.18125	-4.1073	80759
NR4A2	1.1165	1.1165	1.4885	2.2163	0.044114	0.18125	-4.1074	4929
SGK1	7.5623	7.5623	17.706	2.2158	0.044149	0.18136	-4.1082	6446
NPAS1	-0.30642	0.30642	0.36931	-2.2155	0.044172	0.18137	-4.1086	4861
PDZK1P1	-0.14861	0.14861	0.11905	-2.2154	0.044186	0.18137	-4.1089	1E+08
SIDT1	-0.17438	0.17438	0.2202	-2.2153	0.04419	0.18137	-4.109	54847
LOC101927374	-4.6863	4.6863	7.216	-2.2153	0.044195	0.18137	-4.1091	1.02E+08
FN1	81.547	81.547	75.438	2.2145	0.044261	0.18157	-4.1104	2335
TBX19	-0.17842	0.17842	0.48117	-2.2144	0.044266	0.18157	-4.1105	9095
PELP1	-2.8803	2.8803	5.7875	-2.214	0.044296	0.18165	-4.1111	27043
NRN1	-1.3151	1.3151	2.3135	-2.2135	0.044343	0.1818	-4.1121	51299
EPM2AIP1	-0.7138	0.7138	2.6072	-2.2133	0.044355	0.1818	-4.1123	9852
OR52N4	-0.15548	0.15548	0.086523	-2.2132	0.044369	0.18181	-4.1126	390072
CDK7	4.1185	4.1185	7.7093	2.2129	0.044392	0.18187	-4.113	1022
ZNF430	0.83418	0.83418	2.2597	2.2127	0.044406	0.18188	-4.1133	80264
LOC101927296	-0.31237	0.31237	0.43285	-2.2126	0.044419	0.18189	-4.1136	1.02E+08
NRIP2	-1.0105	1.0105	1.4715	-2.2122	0.044446	0.18194	-4.1141	83714
NUP62CL	-0.24461	0.24461	0.45617	-2.2121	0.044459	0.18194	-4.1144	54830

FAM66A	-0.30653	0.30653	0.17865	-2.212	0.044463	0.18194	-4.1145	1E+08
NCBP3	-0.51265	0.51265	3.3699	-2.2118	0.044485	0.18198	-4.1149	55421
ADAM20	-0.24495	0.24495	0.41706	-2.2111	0.04454	0.18216	-4.116	8748
CCNL2	-4.1332	4.1332	12.006	-2.2109	0.04456	0.1822	-4.1164	81669
ZFP14	-0.2839	0.2839	0.50865	-2.2107	0.04457	0.1822	-4.1166	57677
MTDH	2.7267	2.7267	9.6417	2.2106	0.044585	0.1822	-4.1169	92140
MAGED4B	0.44042	0.44042	0.41617	2.2105	0.044593	0.1822	-4.1171	81557
WAC	3.2832	3.2832	9.0708	2.2101	0.044623	0.18225	-4.1177	51322
C6orf141	1.0984	1.0984	1.3245	2.2101	0.044627	0.18225	-4.1178	135398
PGM3	1.0163	1.0163	2.6101	2.2099	0.044643	0.18225	-4.1181	5238
TMEM229B	-0.31229	0.31229	0.32804	-2.2098	0.044648	0.18225	-4.1182	161145
LOC101926898	-22.97	22.97	39.267	-2.2095	0.044677	0.18232	-4.1188	1.02E+08
RNF2	0.94229	0.94229	2.2028	2.2093	0.044689	0.18233	-4.119	6045
EXD3	-0.54311	0.54311	1.1581	-2.2082	0.044783	0.18267	-4.1209	54932
KRT73	-2.4383	2.4383	1.4957	-2.208	0.044801	0.1827	-4.1212	319101
LOC101928307	-0.14683	0.14683	0.095247	-2.2077	0.044823	0.18271	-4.1217	1.02E+08
LINC00592	1.1499	1.1499	0.95404	2.2077	0.044826	0.18271	-4.1217	283404
LINC00681	-0.15442	0.15442	0.08236	-2.2071	0.044871	0.1828	-4.1226	1.01E+08
TMEM225B	-0.44108	0.44108	0.46548	-2.2069	0.044891	0.1828	-4.123	1E+08
GPR153	4.8891	4.8891	7.7447	2.2069	0.044894	0.1828	-4.1231	387509
SAP25	-1.1216	1.1216	1.1404	-2.2068	0.044897	0.1828	-4.1231	1E+08
MYOM2	-0.20756	0.20756	0.22102	-2.2067	0.04491	0.1828	-4.1234	9172
ADRA2C	-1.1207	1.1207	0.76079	-2.2066	0.044919	0.1828	-4.1236	152
BTNL9	-0.67215	0.67215	0.64732	-2.2065	0.044922	0.1828	-4.1236	153579
HSD17B8	-0.28456	0.28456	0.73314	-2.2062	0.04495	0.18287	-4.1242	7923
OSM	2.3037	2.3037	1.29	2.206	0.044969	0.1829	-4.1246	5008

GEMIN8	-0.34992	0.34992	2.1235	-2.2051	0.045039	0.18314	-4.126	54960
NPIP89	-0.41817	0.41817	0.30523	-2.2049	0.045061	0.18318	-4.1264	1.01E+08
MAGED4	0.43185	0.43185	0.40818	2.2048	0.04507	0.18318	-4.1266	728239
PPP1R1A	-0.47127	0.47127	0.27755	-2.2044	0.045099	0.18322	-4.1271	5502
DNASE1L1	1.3094	1.3094	2.5001	2.2043	0.04511	0.18322	-4.1274	1774
ZNF337-AS1	-0.18463	0.18463	0.28918	-2.2042	0.045114	0.18322	-4.1274	1.03E+08
IGSF11	-0.16151	0.16151	0.12158	-2.2039	0.045145	0.18328	-4.128	152404
DELE1	-1.3097	1.3097	4.1848	-2.2037	0.045161	0.18328	-4.1284	9812
LONRF3	-0.19505	0.19505	0.2989	-2.2037	0.045161	0.18328	-4.1284	79836
MAP1LC3C	-0.28189	0.28189	0.45543	-2.2032	0.045202	0.1834	-4.1292	440738
ARL6IP1	8.2452	8.2452	17.446	2.203	0.045219	0.18343	-4.1295	23204
ANKRD11	-2.2963	2.2963	6.9092	-2.2025	0.045258	0.18353	-4.1303	29123
ZNF229	0.23129	0.23129	0.32547	2.2021	0.045293	0.18353	-4.131	7772
NET1	4.7808	4.7808	12.897	2.2021	0.045293	0.18353	-4.131	10276
PGR	-0.15403	0.15403	0.10771	-2.202	0.045301	0.18353	-4.1311	5241
DEPDC1	0.38761	0.38761	0.4146	2.2019	0.045308	0.18353	-4.1313	55635
HERC2P10	-0.17577	0.17577	0.10829	-2.2018	0.045318	0.18353	-4.1315	390561
RAP1GDS1	1.5993	1.5993	4.273	2.2018	0.045321	0.18353	-4.1315	5910
CDV3	9.0834	9.0834	18.535	2.2016	0.045337	0.18353	-4.1319	55573
BUD31	5.9525	5.9525	10.637	2.2015	0.045342	0.18353	-4.1319	8896
TIMM10B	-1.6681	1.6681	5.3215	-2.2014	0.045353	0.18353	-4.1322	26515
VAMP4	0.44959	0.44959	1.5553	2.2011	0.045379	0.18359	-4.1327	8674
WIPI1	4.4825	4.4825	7.8727	2.2007	0.04541	0.18366	-4.1333	55062
RBBP6	3.1091	3.1091	7.7905	2.2006	0.045418	0.18366	-4.1334	5930
FEM1B	2.6258	2.6258	9.104	2.2004	0.04544	0.18371	-4.1339	10116
PDZD11	4.0332	4.0332	6.9399	2.1996	0.045506	0.18389	-4.1352	51248

LOC100506551	-0.28601	0.28601	0.45908	-2.1996	0.045507	0.18389	-4.1352	1.01E+08
NDUFB1	14.426	14.426	23.366	2.1994	0.045525	0.18392	-4.1355	4707
LOC729867	-0.27125	0.27125	0.54769	-2.1982	0.045623	0.1842	-4.1374	729867
SLC36A1	1.1531	1.1531	3.1459	2.1982	0.045625	0.1842	-4.1375	206358
TOMM5	9.3995	9.3995	14.014	2.1981	0.045635	0.1842	-4.1377	401505
LOXL3	0.82318	0.82318	1.0461	2.198	0.045638	0.1842	-4.1377	84695
LOC101927189	1.7793	1.7793	2.681	2.1974	0.045694	0.18438	-4.1388	1.02E+08
LOC101927572	-0.15122	0.15122	0.18137	-2.1971	0.045719	0.18444	-4.1393	1.02E+08
GVQW3	-0.13686	0.13686	0.12782	-2.1967	0.045751	0.18452	-4.1399	1.01E+08
WDR70	-1.2724	1.2724	5.3467	-2.1966	0.045765	0.18453	-4.1402	55100
EPHA2	11.511	11.511	13.856	2.1963	0.045783	0.18457	-4.1406	1969
ZNF502	-0.31718	0.31718	0.84632	-2.1961	0.045804	0.18459	-4.141	91392
SLC35E4	0.71877	0.71877	1.2884	2.196	0.04581	0.18459	-4.1411	339665
AMZ2P1	-0.27498	0.27498	0.52208	-2.1956	0.04585	0.18469	-4.1419	201283
SLC27A3	-2.0515	2.0515	4.5699	-2.1955	0.045858	0.18469	-4.142	11000
EPN1	21.958	21.958	32.23	2.1942	0.045969	0.18509	-4.1442	29924
FGF7P6	-0.43393	0.43393	0.61823	-2.194	0.045981	0.1851	-4.1444	387628
ZBED3	-0.37752	0.37752	0.51352	-2.1936	0.046021	0.18518	-4.1452	84327
ZNF770	6.3741	6.3741	13.402	2.1935	0.046024	0.18518	-4.1453	54989
DPM1	4.1312	4.1312	8.5206	2.1932	0.046049	0.1852	-4.1457	8813
ZFYVE9	-0.90524	0.90524	4.8673	-2.193	0.046065	0.1852	-4.146	9372
DKFZP586I1420	-1.1569	1.1569	3.4901	-2.193	0.04607	0.1852	-4.1461	222161
ADAMTSL4	6.6463	6.6463	10.252	2.193	0.046073	0.1852	-4.1462	54507
ADAMTS6	0.52784	0.52784	0.55084	2.1928	0.046089	0.18522	-4.1465	11174
MTMR7	-0.3033	0.3033	0.47244	-2.1924	0.046123	0.1853	-4.1472	9108
C1QTNF9B	-0.17359	0.17359	0.14951	-2.1923	0.04613	0.1853	-4.1473	387911

FNIP2	1.2646	1.2646	5.273	2.192	0.046152	0.18532	-4.1477	57600
G6PD	6.056	6.056	11.391	2.1919	0.046165	0.18532	-4.148	2539
CSRNP2	0.79169	0.79169	3.5333	2.1918	0.046169	0.18532	-4.1481	81566
LOC100101148	-0.58163	0.58163	0.39058	-2.1915	0.046199	0.1854	-4.1486	1E+08
ORMDL3	-1.3277	1.3277	4.0363	-2.1912	0.046224	0.18545	-4.1491	94103
ARPC4-TTLL3	-0.63046	0.63046	0.99599	-2.1905	0.046282	0.18564	-4.1502	1.01E+08
PRKAR2B	-0.56985	0.56985	0.83912	-2.1903	0.046304	0.18569	-4.1507	5577
VPS51	-6.5921	6.5921	15.235	-2.1899	0.04634	0.1857	-4.1513	738
LOC101927854	-0.38794	0.38794	0.47632	-2.1897	0.046357	0.1857	-4.1517	1.02E+08
EIF2S1	3.996	3.996	9.6086	2.1896	0.046359	0.1857	-4.1517	1965
SUZ12P1	-0.45751	0.45751	1.0341	-2.1896	0.04636	0.1857	-4.1517	440423
PSMB6	18.859	18.859	36.905	2.1894	0.046379	0.1857	-4.1521	5694
GAB1	2.0416	2.0416	6.0711	2.1893	0.046388	0.1857	-4.1523	2549
LOC388282	0.17044	0.17044	0.20278	2.1892	0.046393	0.1857	-4.1524	388282
METTL9	7.0797	7.0797	13.241	2.1891	0.046406	0.1857	-4.1526	51108
LGALSL	23.378	23.378	30.088	2.1891	0.046407	0.1857	-4.1526	29094
INTS13	1.5772	1.5772	3.5059	2.1882	0.046481	0.18593	-4.1541	55726
EFS	-4.4438	4.4438	12.159	-2.1881	0.046487	0.18593	-4.1542	10278
KRT39	-0.18019	0.18019	0.099871	-2.188	0.046497	0.18593	-4.1544	390792
LRRC59	9.7352	9.7352	15.485	2.1874	0.046548	0.18609	-4.1553	55379
C2CD2	1.6166	1.6166	4.1704	2.1873	0.046564	0.18611	-4.1557	25966
SMYD4	-0.42919	0.42919	1.9	-2.187	0.046587	0.18613	-4.1561	114826
YBEY	-0.65411	0.65411	1.4868	-2.187	0.046589	0.18613	-4.1561	54059
COX10-AS1	-0.33437	0.33437	1.9297	-2.1866	0.046625	0.18622	-4.1568	1.01E+08
SPCS3	3.835	3.835	9.0454	2.1862	0.046655	0.18627	-4.1574	60559
RIMKLB	-0.63298	0.63298	2.6326	-2.1859	0.04668	0.18627	-4.1579	57494

ZNF786	-0.46411	0.46411	1.3988	-2.1859	0.046682	0.18627	-4.1579	136051
DIP2A	-1.0659	1.0659	4.0155	-2.1859	0.046682	0.18627	-4.1579	23181
BMP8B	0.56977	0.56977	0.81977	2.1858	0.046691	0.18627	-4.1581	656
SRPK3	-0.16031	0.16031	0.15268	-2.1852	0.046743	0.1864	-4.1591	26576
FBXL4	-0.53042	0.53042	1.8196	-2.1852	0.046747	0.1864	-4.1591	26235
TOR1B	1.3405	1.3405	3.5139	2.1848	0.046775	0.18644	-4.1597	27348
NIPSNAP3B	-0.16501	0.16501	0.2043	-2.1848	0.046779	0.18644	-4.1598	55335
DDX11L9	-0.21748	0.21748	0.20553	-2.1841	0.046836	0.18663	-4.1608	1E+08
PRKD2	-3.5741	3.5741	9.3952	-2.1839	0.04686	0.18664	-4.1613	25865
SMAD4	-1.028	1.028	3.9477	-2.1838	0.046868	0.18664	-4.1615	4089
CRIP1	-0.6037	0.6037	1.7406	-2.1837	0.046874	0.18664	-4.1616	9419
MIR3936	-0.23157	0.23157	0.13921	-2.1834	0.0469	0.1867	-4.1621	1.01E+08
CDRT1	0.49731	0.49731	0.89668	2.1817	0.047045	0.18724	-4.1648	374286
GPRC5D-AS1	-0.2834	0.2834	0.50859	-2.1812	0.047092	0.18738	-4.1657	1.01E+08
MANF	9.4531	9.4531	15.834	2.1811	0.047103	0.18738	-4.1659	7873
CLDN12	1.4377	1.4377	2.8729	2.1809	0.047117	0.18739	-4.1662	9069
ZNF510	-0.40527	0.40527	1.1664	-2.1806	0.047146	0.18746	-4.1667	22869
GTPBP2	5.2784	5.2784	10.23	2.1796	0.04723	0.18775	-4.1683	54676
S100B	-1.2779	1.2779	1.5221	-2.1793	0.04726	0.18783	-4.1689	6285
SMIM15	2.3513	2.3513	5.1539	2.1789	0.047298	0.18793	-4.1696	643155
SMYD2	3.879	3.879	6.8289	2.1783	0.047349	0.18809	-4.1705	56950
RAB2A	3.9127	3.9127	10.687	2.1779	0.047381	0.18812	-4.1711	5862
RALGPS1	-0.42551	0.42551	1.0802	-2.1778	0.047393	0.18812	-4.1714	9649
ROCR	-0.51281	0.51281	0.2735	-2.1778	0.047394	0.18812	-4.1714	1.03E+08
LEPROTL1	1.5583	1.5583	4.3452	2.1776	0.047404	0.18812	-4.1716	23484
ATP11A-AS1	-0.26207	0.26207	0.38722	-2.1776	0.047412	0.18812	-4.1717	1.01E+08

ZNF667-AS1	-0.41998	0.41998	0.81897	-2.1769	0.047467	0.18829	-4.1727	1E+08
ZNF749	-0.34508	0.34508	1.1431	-2.1768	0.047482	0.18831	-4.173	388567
RBM28	-1.391	1.391	4.4477	-2.1763	0.04752	0.18842	-4.1737	55131
IMPAD1	2.4685	2.4685	7.749	2.1762	0.047535	0.18843	-4.174	54928
MMP23B	-1.36	1.36	1.1333	-2.1758	0.047564	0.1885	-4.1746	8510
ENO3	-0.21518	0.21518	0.30717	-2.1756	0.047582	0.18853	-4.1749	2027
MICAL3	-1.0058	1.0058	2.5604	-2.1753	0.047613	0.18861	-4.1755	57553
LINC01550	-0.32365	0.32365	0.50534	-2.1749	0.047644	0.18865	-4.1761	388011
ZNF33B	-0.49655	0.49655	1.3552	-2.1749	0.047645	0.18865	-4.1761	7582
LAMC1-AS1	-0.21484	0.21484	0.19208	-2.1747	0.047668	0.18869	-4.1765	1.11E+08
NLE1	-0.856	0.856	1.8138	-2.174	0.047724	0.18882	-4.1776	54475
KLK5	127.01	127.01	98.004	2.174	0.047729	0.18882	-4.1777	25818
ABCA12	11.872	11.872	15.433	2.1739	0.047733	0.18882	-4.1777	26154
NCOA4	9.6643	9.6643	28.252	2.1737	0.047753	0.18885	-4.1781	8031
CSF1	-2.0537	2.0537	3.1641	-2.1735	0.047768	0.18887	-4.1784	1435
WWC2	0.80471	0.80471	2.0282	2.1731	0.047807	0.18898	-4.1791	80014
ANLN	2.236	2.236	3.0292	2.1729	0.047828	0.18902	-4.1795	54443
LINC00462	0.21984	0.21984	0.19622	2.1725	0.047859	0.18908	-4.1801	1E+08
CDK14	0.88976	0.88976	1.4495	2.1724	0.047868	0.18908	-4.1802	5218
ANKS1B	-0.16166	0.16166	0.16796	-2.1723	0.047878	0.18908	-4.1804	56899
MT1H	-0.47357	0.47357	0.48345	-2.1721	0.047898	0.1891	-4.1808	4496
LPCAT2	1.1364	1.1364	3.4108	2.172	0.047906	0.1891	-4.1809	54947
LOC105378047	-0.23927	0.23927	0.25966	-2.1715	0.047947	0.18916	-4.1817	1.05E+08
TNFRSF21	6.5276	6.5276	10.156	2.1715	0.047951	0.18916	-4.1818	27242
GNRHR	0.15037	0.15037	0.17808	2.1714	0.047955	0.18916	-4.1818	2798
LMF1-AS1	-0.2972	0.2972	0.44097	-2.171	0.047992	0.18927	-4.1825	1.02E+08

PLA2G2A	-12.545	12.545	9.9735	-2.1703	0.048058	0.18947	-4.1838	5320
RCOR1	4.1278	4.1278	8.2349	2.1702	0.048067	0.18947	-4.1839	23186
CCL19	-5.9044	5.9044	4.311	-2.1694	0.048138	0.18971	-4.1852	6363
TXNL1	5.5341	5.5341	13.081	2.169	0.048174	0.18979	-4.1859	9352
HIPK3	4.9119	4.9119	16.676	2.1689	0.048181	0.18979	-4.186	10114
IRX2	-1.2148	1.2148	3.6512	-2.1687	0.0482	0.18982	-4.1864	153572
EIF3I	13.011	13.011	28.075	2.1683	0.04823	0.18984	-4.1869	8668
GPR37L1	-0.15654	0.15654	0.16863	-2.1683	0.048235	0.18984	-4.187	9283
NOTCH1	-8.0054	8.0054	13.586	-2.1683	0.048239	0.18984	-4.1871	4851
MRGPRX2	-0.24379	0.24379	0.1579	-2.1677	0.048288	0.18999	-4.188	117194
USP43	1.449	1.449	1.6039	2.1676	0.0483	0.18999	-4.1882	124739
LAMTOR5	8.6799	8.6799	13.537	2.1668	0.048365	0.19019	-4.1894	10542
MOB1A	5.1475	5.1475	14.361	2.1668	0.048372	0.19019	-4.1896	55233
ATP6V0C	37.404	37.404	78.969	2.1661	0.048434	0.19039	-4.1907	527
MTHFSD	-0.58178	0.58178	1.455	-2.1658	0.048457	0.19043	-4.1911	64779
MLX	3.2059	3.2059	7.9789	2.1654	0.048494	0.19053	-4.1918	6945
PIP4K2B	-2.185	2.185	6.0561	-2.1652	0.048511	0.19056	-4.1921	8396
LOC102725121	-0.13998	0.13998	0.10993	-2.1649	0.048537	0.19061	-4.1926	1.03E+08
LHX4	-0.22667	0.22667	0.40739	-2.1647	0.04856	0.19064	-4.193	89884
ERI3-IT1	-0.33835	0.33835	0.49967	-2.1646	0.048565	0.19064	-4.1931	1.01E+08
CSNK1E	6.7738	6.7738	19.331	2.1643	0.048598	0.19072	-4.1937	1454
ZFAND6	5.3153	5.3153	7.783	2.1641	0.04861	0.19072	-4.1939	54469
LOC100128398	-0.27766	0.27766	0.45116	-2.1634	0.048671	0.19091	-4.195	1E+08
IQSEC2	-0.62977	0.62977	1.6826	-2.1634	0.048679	0.19091	-4.1952	23096
RASA4	-3.2492	3.2492	6.8564	-2.1632	0.048691	0.19091	-4.1954	10156
SPRN	-0.57051	0.57051	0.62025	-2.1631	0.048707	0.19093	-4.1957	503542

BTBD2	-5.4362	5.4362	12.492	-2.1626	0.048744	0.19103	-4.1964	55643
BATF3	0.49934	0.49934	0.62548	2.1621	0.048791	0.19115	-4.1972	55509
LYPLA1	9.5959	9.5959	13.177	2.1618	0.04882	0.19115	-4.1978	10434
SCARNA2	-287.7	287.7	646.24	-2.1617	0.048826	0.19115	-4.1979	677766
NRBP1	6.5065	6.5065	16.973	2.1617	0.048833	0.19115	-4.198	29959
PLA2G4B	10.992	10.992	13.851	2.1617	0.048833	0.19115	-4.198	1E+08
RNF150	-0.44626	0.44626	0.4534	-2.1614	0.04886	0.19122	-4.1985	57484
TRMT61A	-1.3338	1.3338	2.7732	-2.1612	0.048876	0.19123	-4.1988	115708
TMEM238L	0.51922	0.51922	0.45273	2.1607	0.048918	0.19135	-4.1995	1E+08
NUDT17	-0.222	0.222	0.45784	-2.1602	0.048962	0.19148	-4.2003	200035
RAB7A	23.784	23.784	50.835	2.1598	0.049004	0.1916	-4.2011	7879
KIF12	-0.13934	0.13934	0.17254	-2.1596	0.049016	0.1916	-4.2013	113220
CCNE2	0.52046	0.52046	0.919	2.1587	0.049098	0.19188	-4.2028	9134
KIF18A	0.35419	0.35419	0.47821	2.1579	0.04917	0.19204	-4.2041	81930
CTDSP1	-8.2145	8.2145	19.607	-2.1579	0.049176	0.19204	-4.2042	58190
NRARP	3.8388	3.8388	8.3215	2.1578	0.049182	0.19204	-4.2043	441478
DENND2C	4.5723	4.5723	8.9889	2.1578	0.049185	0.19204	-4.2044	163259
LINC01819	-0.15329	0.15329	0.090384	-2.1571	0.049247	0.19217	-4.2055	1.03E+08
GDPD1	-0.15319	0.15319	0.33661	-2.157	0.049253	0.19217	-4.2056	284161
EMC6	3.7055	3.7055	6.9673	2.1569	0.049268	0.19217	-4.2059	83460
ITGB1BP1	3.0828	3.0828	6.2912	2.1567	0.049281	0.19217	-4.2061	9270
HOXC-AS3	-0.15825	0.15825	0.17696	-2.1565	0.049298	0.19217	-4.2064	1.01E+08
LOC101929165	-0.27793	0.27793	0.42266	-2.1562	0.049327	0.19217	-4.2069	1.02E+08
UBTD2	1.3615	1.3615	3.582	2.1562	0.049328	0.19217	-4.2069	92181
LOC105378269	-0.21079	0.21079	0.15071	-2.1562	0.049333	0.19217	-4.207	1.05E+08
CREBRF	-0.67388	0.67388	1.8006	-2.1562	0.049333	0.19217	-4.207	153222

TNPO2	-2.3148	2.3148	8.3746	-2.156	0.049349	0.19217	-4.2073	30000
LOC105377102	-0.31251	0.31251	0.58123	-2.1559	0.049355	0.19217	-4.2074	1.05E+08
MICU2	1.8928	1.8928	4.9569	2.1558	0.049367	0.19217	-4.2077	221154
USP54	-1.0854	1.0854	3.3249	-2.1558	0.049367	0.19217	-4.2077	159195
GPS2	4.5101	4.5101	13.74	2.1556	0.049386	0.19217	-4.208	2874
SLC10A1	-0.18967	0.18967	0.27579	-2.1556	0.049388	0.19217	-4.208	6554
IKZF4	-0.30703	0.30703	0.70204	-2.1552	0.049425	0.19223	-4.2087	64375
DEDD2	3.6501	3.6501	6.7721	2.1552	0.049426	0.19223	-4.2087	162989
TMED7	3.1259	3.1259	6.7852	2.1549	0.049446	0.19226	-4.2091	51014
VPS26A	2.5983	2.5983	6.723	2.1546	0.049478	0.1923	-4.2097	9559
WDPCP	-0.29078	0.29078	0.72765	-2.1546	0.049479	0.1923	-4.2097	51057
DDX60	-2.139	2.139	2.511	-2.1541	0.049523	0.19243	-4.2105	55601
SLC16A1-AS1	-0.3785	0.3785	0.78384	-2.1537	0.049559	0.19249	-4.2111	1.01E+08
ZBED2	2.2142	2.2142	2.5098	2.1537	0.049562	0.19249	-4.2111	79413
GNA15	15.114	15.114	21.085	2.1535	0.049581	0.19252	-4.2115	2769
GPR180	0.32789	0.32789	0.68904	2.1533	0.049595	0.19253	-4.2117	160897
CPT1C	0.28472	0.28472	0.53809	2.153	0.049621	0.19259	-4.2122	126129
KIF14	0.36438	0.36438	0.43826	2.1525	0.049671	0.19271	-4.2131	9928
SLC9A9	-0.72762	0.72762	2.2794	-2.1524	0.049675	0.19271	-4.2132	285195
KRTDAP	710.1	710.1	840.55	2.1521	0.049711	0.19276	-4.2138	388533
CDRT15P1	-0.43801	0.43801	0.70417	-2.152	0.049716	0.19276	-4.2139	94158
HAS1	1.3838	1.3838	0.81355	2.1519	0.049729	0.19276	-4.2141	3036
CUL1	4.1299	4.1299	11.036	2.1517	0.049744	0.19276	-4.2144	8454
SEMA3B	-0.70028	0.70028	1.0119	-2.1515	0.049763	0.19276	-4.2147	7869
RCBTB2	0.84811	0.84811	1.9045	2.1515	0.049764	0.19276	-4.2148	1102
ANKRD13A	4.369	4.369	12.722	2.1514	0.049769	0.19276	-4.2149	88455

TMEM212	-0.93204	0.93204	1.4959	-2.1506	0.049842	0.193	-4.2162	389177
PTPRCAP	-1.5611	1.5611	2.4337	-2.1503	0.049869	0.19304	-4.2166	5790
YES1	4.0959	4.0959	8.9832	2.1503	0.049874	0.19304	-4.2167	7525
PCDHGB7	-0.75679	0.75679	2.3418	-2.15	0.049896	0.19308	-4.2171	56099
UBE2O	-1.2782	1.2782	4.1977	-2.1491	0.049982	0.19334	-4.2186	63893
UBE3C	3.6765	3.6765	12.417	2.1491	0.049987	0.19334	-4.2187	9690
EFR3A	1.3335	1.3335	6.0152	2.1486	0.050029	0.19346	-4.2195	23167
SPRY2	-1.4321	1.4321	2.7409	-2.1483	0.050062	0.19354	-4.2201	10253
SIRPB1	0.40699	0.40699	0.37633	2.1479	0.050094	0.19362	-4.2206	10326
LOC100288123	-0.50718	0.50718	0.73392	-2.1477	0.050111	0.19362	-4.2209	1E+08
PDZD2	-3.6011	3.6011	4.9578	-2.1476	0.050119	0.19362	-4.2211	23037
LOC100130370	-0.1831	0.1831	0.14891	-2.1475	0.050129	0.19362	-4.2212	1E+08
SNORA37	-7.8906	7.8906	8.3433	-2.1473	0.050153	0.19364	-4.2217	677819
KCTD12	-3.9744	3.9744	8.2282	-2.1472	0.050156	0.19364	-4.2217	115207
YKT6	8.7016	8.7016	16.945	2.1464	0.05023	0.19388	-4.223	10652
IRX1	-0.64624	0.64624	0.94274	-2.1463	0.050245	0.1939	-4.2233	79192
CHD1	1.3831	1.3831	4.2877	2.1458	0.050289	0.19398	-4.2241	1105
MFSD14B	4.4741	4.4741	12.473	2.1458	0.05029	0.19398	-4.2241	84641
WNT9A	0.20334	0.20334	0.36173	2.1452	0.050342	0.19413	-4.225	7483
PER1	-11.535	11.535	16.486	-2.1447	0.050393	0.19426	-4.2259	5187
CCT6A	10.45	10.45	22.873	2.1447	0.050396	0.19426	-4.226	908
MYL12A	30.173	30.173	52.859	2.1444	0.050421	0.19431	-4.2264	10627
ADH4	-0.23211	0.23211	0.15136	-2.1439	0.050466	0.19443	-4.2272	127
P4HB	64.115	64.115	149.09	2.1437	0.050488	0.19448	-4.2276	5034
FSIP2	-0.295	0.295	0.22758	-2.143	0.050548	0.19466	-4.2286	401024
NEPRO	-1.0085	1.0085	2.975	-2.1429	0.050561	0.19467	-4.2289	25871

ZBTB20-AS3	-0.1775	0.1775	0.14237	-2.1418	0.050662	0.19499	-4.2306	1.04E+08
ANK2	-1.0716	1.0716	1.3305	-2.1417	0.050668	0.19499	-4.2307	287
STRADA	-0.86273	0.86273	3.2121	-2.1414	0.050705	0.19507	-4.2314	92335
GOLGA1	-0.53784	0.53784	2.9761	-2.1412	0.050717	0.19507	-4.2316	2800
TMEM135	-0.33916	0.33916	0.94025	-2.1412	0.050723	0.19507	-4.2317	65084
VEGFD	-0.27956	0.27956	0.18024	-2.1409	0.050744	0.19508	-4.2321	2277
PLEKHA5	0.60612	0.60612	2.296	2.1409	0.05075	0.19508	-4.2322	54477
MSMB	-0.87723	0.87723	0.78174	-2.1406	0.050779	0.19515	-4.2327	4477
TMEM253	-0.15045	0.15045	0.22753	-2.1402	0.050809	0.19522	-4.2332	643382
CYP4F22	17.464	17.464	21.747	2.1396	0.050866	0.19538	-4.2342	126410
UBL5	32.55	32.55	49.573	2.1396	0.050873	0.19538	-4.2343	59286
DRC3	-0.19781	0.19781	0.3302	-2.1391	0.050919	0.19551	-4.2351	83450
SLC31A2	8.9577	8.9577	12.921	2.1389	0.050935	0.19553	-4.2354	1318
SPECC1	1.2389	1.2389	2.5727	2.1386	0.050965	0.19556	-4.2359	92521
EDIL3	4.1855	4.1855	3.5217	2.1386	0.050965	0.19556	-4.2359	10085
TRIP11	0.7781	0.7781	3.0743	2.1375	0.051067	0.1959	-4.2377	9321
LENEP	-0.1634	0.1634	0.13877	-2.1368	0.051138	0.19613	-4.2389	55891
SPRR4	0.99803	0.99803	1.2015	2.1366	0.051152	0.19614	-4.2392	163778
RCBTB1	-0.51865	0.51865	1.3275	-2.1355	0.051261	0.1965	-4.2411	55213
LINC00685	-0.21633	0.21633	0.29853	-2.1354	0.05127	0.1965	-4.2412	283981
RIMS1	-0.1391	0.1391	0.079445	-2.135	0.051308	0.19655	-4.2419	22999
LINC01128	0.27159	0.27159	1.1222	2.1349	0.051312	0.19655	-4.2419	643837
SERPINB7	40.883	40.883	41.173	2.1349	0.051318	0.19655	-4.242	8710
ZNF213	-1.1846	1.1846	2.8453	-2.1345	0.051348	0.19662	-4.2426	7760
RBM6	-2.3546	2.3546	7.5824	-2.1344	0.051366	0.19664	-4.2429	10180
TRERF1	-0.93606	0.93606	2.318	-2.1342	0.051377	0.19664	-4.2431	55809

RNF214	-0.83902	0.83902	3.1643	-2.134	0.051396	0.19667	-4.2434	257160
C19orf71	-0.4537	0.4537	0.89112	-2.1338	0.051416	0.19671	-4.2437	1E+08
ALDH3A1	-8.9682	8.9682	8.9238	-2.1333	0.051471	0.19682	-4.2447	218
GTF3C2-AS1	-0.18835	0.18835	0.2402	-2.1332	0.051475	0.19682	-4.2448	1.01E+08
SLC35E2B	-1.6972	1.6972	5.9607	-2.1331	0.051481	0.19682	-4.2449	728661
CD8B	-0.23254	0.23254	0.29475	-2.1327	0.051525	0.19694	-4.2456	926
GRB14	-0.15304	0.15304	0.12818	-2.1312	0.051664	0.19743	-4.248	2888
HSP90B2P	-0.16411	0.16411	0.26415	-2.1311	0.051679	0.19744	-4.2483	7190
CASS4	0.4313	0.4313	0.51459	2.1304	0.051746	0.19766	-4.2494	57091
HMCN2	-1.8186	1.8186	1.1959	-2.1302	0.051759	0.19766	-4.2496	256158
LRRN4CL	-1.4999	1.4999	1.7767	-2.1299	0.051796	0.19775	-4.2503	221091
CCDC102B	0.8943	0.8943	1.208	2.1297	0.051812	0.19777	-4.2505	79839
CRTAC1	-1.0258	1.0258	1.3358	-2.1294	0.051839	0.19783	-4.251	55118
SGO1-AS1	0.14008	0.14008	0.068364	2.1286	0.05192	0.19809	-4.2524	1.01E+08
CCL27	-10.902	10.902	5.9151	-2.1281	0.051967	0.19822	-4.2532	10850
TRNP1	1.293	1.293	3.1149	2.1278	0.051992	0.19822	-4.2536	388610
EDN3	-0.12591	0.12591	0.071005	-2.1277	0.052002	0.19822	-4.2538	1908
HEATR5B	-0.81539	0.81539	4.5188	-2.1275	0.052023	0.19822	-4.2541	54497
ARF1	25.981	25.981	63.332	2.1275	0.052025	0.19822	-4.2542	375
SLC30A9	2.4923	2.4923	7.4212	2.1273	0.052039	0.19822	-4.2544	10463
LSG1	-1.4934	1.4934	5.5341	-2.1271	0.052056	0.19822	-4.2547	55341
SAMD4B	4.9195	4.9195	14.035	2.1271	0.052059	0.19822	-4.2548	55095
PRDX1	35.235	35.235	70.425	2.1271	0.05206	0.19822	-4.2548	5052
MAP3K21	-0.19591	0.19591	0.64869	-2.1265	0.052122	0.19837	-4.2558	84451
NINJ1	-5.8682	5.8682	10.864	-2.1263	0.052132	0.19837	-4.256	4814
C9orf106	-0.25249	0.25249	0.28715	-2.1263	0.052134	0.19837	-4.256	414318

LOC340357	-0.16638	0.16638	0.091967	-2.1255	0.052218	0.19865	-4.2574	340357
NPAS3	-0.13583	0.13583	0.11326	-2.1252	0.052245	0.1987	-4.2579	64067
SEC14L2	1.215	1.215	2.6073	2.1251	0.052254	0.1987	-4.2581	23541
PAXBP1	-0.7793	0.7793	2.8923	-2.1248	0.052279	0.19875	-4.2585	94104
NDUFAF1	1.2216	1.2216	3.056	2.1245	0.052313	0.19883	-4.2591	51103
ASPSCR1	-1.4588	1.4588	2.7831	-2.1242	0.052344	0.1989	-4.2596	79058
PCDHGB8P	-0.49443	0.49443	0.82691	-2.1239	0.052369	0.19895	-4.26	56120
ZBTB47	-1.591	1.591	3.6144	-2.1237	0.052388	0.19898	-4.2603	92999
COL5A2	39.165	39.165	36.078	2.1234	0.05242	0.19906	-4.2609	1290
RNF141	3.4305	3.4305	11.038	2.1228	0.052474	0.19906	-4.2618	50862
ZNF264	-0.58635	0.58635	3.3388	-2.1227	0.052484	0.19906	-4.262	9422
PNISR	-1.6698	1.6698	4.3832	-2.1227	0.052486	0.19906	-4.262	25957
PLEKHG1	1.0085	1.0085	3.2792	2.1226	0.052494	0.19906	-4.2621	57480
PDE8A	1.2884	1.2884	4.7551	2.1226	0.052496	0.19906	-4.2622	5151
CEP85	-0.61728	0.61728	1.9141	-2.1224	0.05251	0.19906	-4.2624	64793
LINC01659	-0.1418	0.1418	0.10585	-2.1224	0.052513	0.19906	-4.2624	1.02E+08
COL12A1	55.289	55.289	39.234	2.1224	0.052514	0.19906	-4.2625	1303
CFAP126	-0.33707	0.33707	1.0723	-2.1221	0.05254	0.19911	-4.2629	257177
ABCB9	-0.25612	0.25612	0.46522	-2.1215	0.052596	0.19924	-4.2638	23457
SLC34A2	-1.7201	1.7201	0.99005	-2.1215	0.052598	0.19924	-4.2639	10568
SPON2	10.555	10.555	14.37	2.1213	0.052624	0.19929	-4.2643	10417
PCDHGB3	-0.25909	0.25909	0.68917	-2.121	0.052645	0.19933	-4.2647	56102
POMT1	-0.60189	0.60189	2.2019	-2.1209	0.052663	0.19935	-4.265	10585
SIGLEC12	0.20643	0.20643	0.16171	2.1204	0.052703	0.19937	-4.2656	89858
GTF2B	2.7727	2.7727	5.7288	2.1204	0.052708	0.19937	-4.2657	2959
GHITM	9.7872	9.7872	22.416	2.1204	0.052712	0.19937	-4.2658	27069

RYR2	-0.21073	0.21073	0.2428	-2.1203	0.052717	0.19937	-4.2659	6262
CENPC	-1.0223	1.0223	2.2627	-2.1202	0.052726	0.19937	-4.266	1060
DPY30	2.8716	2.8716	5.1898	2.12	0.05275	0.19937	-4.2664	84661
GGT8P	0.3919	0.3919	0.38987	2.12	0.052751	0.19937	-4.2665	645367
ATN1	-8.5459	8.5459	18.712	-2.1195	0.052798	0.19946	-4.2672	1822
PRPF19	-6.3441	6.3441	15.218	-2.1195	0.052799	0.19946	-4.2673	27339
BCAT2	-1.1545	1.1545	2.8691	-2.1192	0.052825	0.19948	-4.2677	587
PTPRN	1.1132	1.1132	0.54682	2.1192	0.052829	0.19948	-4.2678	5798
EFHD1	-1.2312	1.2312	1.5615	-2.1189	0.052856	0.19948	-4.2682	80303
TUBGCP6	-2.4956	2.4956	4.7167	-2.1188	0.05286	0.19948	-4.2683	85378
RBM19	-1.2701	1.2701	3.8046	-2.1188	0.052862	0.19948	-4.2683	9904
ESM1	0.22434	0.22434	0.15247	2.1185	0.052894	0.19956	-4.2688	11082
LAMTOR3	1.5012	1.5012	3.3381	2.1177	0.052973	0.19981	-4.2702	8649
COPA	5.5957	5.5957	18.979	2.1174	0.053005	0.19986	-4.2707	1314
PIDD1	-1.5739	1.5739	2.2327	-2.1173	0.053012	0.19986	-4.2708	55367
TRMT10C	1.5644	1.5644	3.5439	2.1167	0.053065	0.2	-4.2717	54931
ZNF582	-0.16918	0.16918	0.29668	-2.1167	0.053071	0.2	-4.2718	147948
TPH1	-0.16681	0.16681	0.16137	-2.1165	0.053086	0.20001	-4.272	7166
AFG3L1P	-0.42521	0.42521	1.5924	-2.1161	0.053122	0.2001	-4.2727	172
GPRC5B	-1.5398	1.5398	2.4418	-2.1159	0.053146	0.20015	-4.273	51704
EDNRA	2.7012	2.7012	3.5133	2.1156	0.053179	0.20023	-4.2736	1909
TEP1	-1.0945	1.0945	2.9963	-2.1151	0.053224	0.20033	-4.2744	7011
HEATR3	0.65856	0.65856	1.8234	2.1151	0.05323	0.20033	-4.2744	55027
ZNF641	-0.71419	0.71419	1.8502	-2.1146	0.05327	0.20044	-4.2751	121274
PIPOX	-0.14679	0.14679	0.1387	-2.1139	0.053345	0.20061	-4.2764	51268
GLCE	0.71643	0.71643	2.3617	2.1139	0.053347	0.20061	-4.2764	26035

ARHGAP45	-0.66214	0.66214	1.5261	-2.1138	0.053353	0.20061	-4.2765	23526
ZSCAN2	-0.28538	0.28538	0.60571	-2.1137	0.053363	0.20061	-4.2767	54993
YIPF4	3.1407	3.1407	7.1685	2.1132	0.05341	0.20074	-4.2774	84272
GPR87	5.9505	5.9505	10.031	2.1131	0.053425	0.20075	-4.2777	53836
DTX4	-0.6633	0.6633	1.1455	-2.1128	0.05345	0.2008	-4.2781	23220
CNEP1R1	1.0238	1.0238	2.5416	2.1122	0.05351	0.20098	-4.2791	255919
FKSG29	-0.69916	0.69916	1.1893	-2.112	0.053534	0.20103	-4.2795	1E+08
GJB4	-1.8083	1.8083	1.6967	-2.1115	0.053579	0.20115	-4.2802	127534
SLC5A10	0.93456	0.93456	1.3686	2.1111	0.053619	0.20126	-4.2809	125206
BTBD16	-0.34416	0.34416	0.28218	-2.1109	0.053642	0.2013	-4.2813	118663
RCCD1	-0.78629	0.78629	1.5769	-2.1102	0.053705	0.20144	-4.2823	91433
SOX21	-2.6503	2.6503	4.0974	-2.1101	0.053717	0.20144	-4.2825	11166
EFNA4	-2.3468	2.3468	5.6138	-2.1101	0.053719	0.20144	-4.2825	1945
SNX25	0.58588	0.58588	2.5532	2.11	0.053731	0.20144	-4.2827	83891
RBX1	12.125	12.125	18.183	2.1099	0.053739	0.20144	-4.2829	9978
TMEM54	32.082	32.082	50.334	2.1097	0.05376	0.20144	-4.2832	113452
HDAC6	-1.0279	1.0279	3.135	-2.1096	0.053765	0.20144	-4.2833	10013
TAS2R30	-0.61031	0.61031	0.90257	-2.1095	0.053776	0.20144	-4.2835	259293
AACSP1	-0.4459	0.4459	0.31021	-2.1093	0.053798	0.20148	-4.2838	729522
PCDHGA5	-0.23827	0.23827	0.53458	-2.1087	0.053859	0.20166	-4.2848	56110
LINC01058	-0.15387	0.15387	0.1309	-2.1084	0.053888	0.20171	-4.2853	1.04E+08
NALT1	-0.18057	0.18057	0.255	-2.1083	0.053896	0.20171	-4.2854	1.02E+08
RNVU1-8	0.31556	0.31556	0.31314	2.1079	0.05394	0.20183	-4.2862	1.01E+08
RSBN1	-0.51615	0.51615	2.0348	-2.1076	0.053967	0.20186	-4.2866	54665
PRDM8	-0.25389	0.25389	0.39572	-2.1075	0.053972	0.20186	-4.2867	56978
TMEM183B	4.3851	4.3851	11.099	2.1069	0.054041	0.20208	-4.2878	653659

MFSD12	3.9339	3.9339	8.6312	2.1064	0.054086	0.20215	-4.2886	126321
KCTD10	6.3651	6.3651	14.246	2.1064	0.054086	0.20215	-4.2886	83892
LINC01389	-0.19945	0.19945	0.24711	-2.1062	0.054108	0.20219	-4.2889	1.03E+08
VAV3	-2.7508	2.7508	7.3351	-2.1051	0.054215	0.20255	-4.2907	10451
CDC42	16.598	16.598	40.714	2.1048	0.054245	0.20261	-4.2911	998
TMEM72	-0.13638	0.13638	0.093988	-2.1046	0.054263	0.20264	-4.2915	643236
CYP2A6	-0.17406	0.17406	0.16899	-2.1045	0.054278	0.20265	-4.2917	1548
FOXN2	0.85432	0.85432	2.1041	2.1041	0.054314	0.20274	-4.2923	3344
CAPG	18.982	18.982	33.24	2.104	0.05433	0.20275	-4.2925	822
PAF1	4.1694	4.1694	8.6061	2.1032	0.054402	0.20293	-4.2937	54623
LINC00963	-1.1806	1.1806	2.2058	-2.1031	0.054412	0.20293	-4.2939	1.01E+08
VSIG10L	12.546	12.546	13.162	2.1031	0.054415	0.20293	-4.2939	147645
WDSUB1	-0.3919	0.3919	1.489	-2.1026	0.054463	0.20307	-4.2947	151525
GRASP-AS1	-0.51783	0.51783	0.77908	-2.1024	0.054486	0.20311	-4.2951	692159
SMIM17	-0.28637	0.28637	0.51261	-2.1021	0.054521	0.20319	-4.2956	147670
CHPF	6.5442	6.5442	11.106	2.1019	0.054539	0.20319	-4.2959	79586
TGFBI	53.141	53.141	69.141	2.1018	0.054542	0.20319	-4.296	7045
ADGRF5	2.9002	2.9002	4.251	2.1016	0.054562	0.20321	-4.2963	221395
FAM66D	-0.27854	0.27854	0.22687	-2.1014	0.054585	0.20326	-4.2967	1E+08
BRD1	-2.2382	2.2382	7.0034	-2.101	0.054627	0.20337	-4.2974	23774
MYO6	3.4242	3.4242	7.0661	2.1007	0.054654	0.20342	-4.2978	4646
RAB17	-0.30814	0.30814	0.28397	-2.1005	0.054679	0.20347	-4.2982	64284
SH2B1	-2.2567	2.2567	3.9878	-2.1002	0.054708	0.20353	-4.2987	25970
IL15RA	-0.87759	0.87759	1.4533	-2.1	0.054727	0.20356	-4.299	3601
GPD1	-0.63394	0.63394	0.37143	-2.0992	0.054805	0.20381	-4.3002	2819
TMEM205	-3.4713	3.4713	7.1998	-2.0981	0.05492	0.20419	-4.3021	374882

USP24	-1.2637	1.2637	5.6629	-2.0976	0.054965	0.20429	-4.3028	23358
LLPH	3.3201	3.3201	6.0351	2.0975	0.05498	0.20429	-4.303	84298
LINC01004	-0.65385	0.65385	1.547	-2.0975	0.054984	0.20429	-4.3031	1E+08
MAFG	1.1124	1.1124	3.6984	2.097	0.055034	0.20441	-4.3039	4097
PHF14	-0.45616	0.45616	2.2629	-2.0969	0.055042	0.20441	-4.3041	9678
GPR75	-0.40455	0.40455	0.89962	-2.0968	0.055052	0.20441	-4.3042	10936
MBD1	4.7552	4.7552	10.378	2.0962	0.055111	0.20456	-4.3052	4152
SRSF11	-2.1142	2.1142	8.2895	-2.0961	0.055122	0.20456	-4.3053	9295
POC1B	0.38039	0.38039	1.6926	2.096	0.055128	0.20456	-4.3054	282809
GCNT4	1.1536	1.1536	1.5739	2.0959	0.055141	0.20456	-4.3056	51301
TIMM23	5.4751	5.4751	11.725	2.0951	0.055222	0.20481	-4.3069	1E+08
LINC00638	-0.19997	0.19997	0.16617	-2.095	0.055235	0.20481	-4.3071	196872
AK4	-2.0523	2.0523	5.6868	-2.0947	0.055268	0.20481	-4.3077	205
TACC2	-6.4642	6.4642	10.8	-2.0946	0.055276	0.20481	-4.3078	10579
AQP3	133.4	133.4	243.24	2.0946	0.055277	0.20481	-4.3078	360
C16orf96	-0.12839	0.12839	0.074456	-2.0945	0.055288	0.20481	-4.308	342346
LRRC4	0.92997	0.92997	1.569	2.0943	0.055299	0.20481	-4.3082	64101
ZNF555	-0.19239	0.19239	0.47624	-2.0942	0.055318	0.20481	-4.3085	148254
RTCA	1.9283	1.9283	4.689	2.094	0.055329	0.20481	-4.3086	8634
CNOT6	1.5828	1.5828	4.3182	2.0938	0.055352	0.20481	-4.309	57472
CLUHP3	-0.85173	0.85173	1.5943	-2.0938	0.055353	0.20481	-4.309	1E+08
NBPF26	-2.9159	2.9159	6.605	-2.0938	0.05536	0.20481	-4.3091	1.01E+08
MPPED1	-0.14993	0.14993	0.081123	-2.0937	0.055368	0.20481	-4.3093	758
LOC102723809	-0.26342	0.26342	0.28273	-2.0935	0.055381	0.20482	-4.3095	1.03E+08
RYR1	-0.24509	0.24509	0.36956	-2.0929	0.055451	0.20503	-4.3106	6261
PCGF3	-1.1924	1.1924	7.7933	-2.0927	0.055471	0.20506	-4.3109	10336

PLET1	-0.39966	0.39966	0.39426	-2.092	0.055543	0.20528	-4.312	349633
NUDT7	-0.35778	0.35778	0.72785	-2.0915	0.055593	0.20542	-4.3128	283927
LOC105373876	-0.19167	0.19167	0.10223	-2.0913	0.055614	0.20542	-4.3132	1.05E+08
BRWD1-AS2	-0.177	0.177	0.28518	-2.0912	0.055617	0.20542	-4.3132	1.03E+08
PSAT1	-2.9997	2.9997	9.1222	-2.0907	0.05567	0.20554	-4.3141	29968
MXD3	-0.34923	0.34923	1.2104	-2.0907	0.055674	0.20554	-4.3141	83463
SPPL2B	-1.9072	1.9072	3.8947	-2.0903	0.055711	0.2056	-4.3147	56928
SBSPON	-0.91329	0.91329	0.68844	-2.0901	0.055736	0.2056	-4.3151	157869
SLC25A21-AS1	-0.17682	0.17682	0.17697	-2.09	0.055744	0.2056	-4.3152	1E+08
PIK3IP1-AS1	-0.24436	0.24436	0.23975	-2.0899	0.05575	0.2056	-4.3153	1.02E+08
TRMT12	-0.41422	0.41422	1.9198	-2.0899	0.055751	0.2056	-4.3153	55039
LRRFIP1	4.5848	4.5848	11.384	2.0897	0.055777	0.20565	-4.3158	9208
CMC2	1.4999	1.4999	2.5821	2.0891	0.055832	0.20579	-4.3166	56942
HCAR3	2.0566	2.0566	2.3255	2.0891	0.055839	0.20579	-4.3167	8843
RNF44	-2.9163	2.9163	7.9755	-2.0875	0.055995	0.20632	-4.3192	22838
C11orf65	-0.14561	0.14561	0.17926	-2.0872	0.05603	0.20641	-4.3198	160140
HPGDS	-0.64787	0.64787	0.83122	-2.0868	0.056073	0.20649	-4.3204	27306
ZNF850	-0.2795	0.2795	0.48569	-2.0866	0.056089	0.20649	-4.3207	342892
CEBPB-AS1	-0.14592	0.14592	0.15836	-2.0866	0.056091	0.20649	-4.3207	1.02E+08
LAD1	60.462	60.462	101.12	2.0865	0.056101	0.20649	-4.3209	3898
KIAA2026	-1.2184	1.2184	4.9757	-2.0862	0.056135	0.20657	-4.3214	158358
ERI1	0.68958	0.68958	1.4326	2.0858	0.056173	0.20665	-4.322	90459
ADAMTS14	1.169	1.169	1.1972	2.0857	0.056183	0.20665	-4.3222	140766
RGS4	0.4568	0.4568	0.41334	2.0851	0.05625	0.20684	-4.3232	5999
INAFM2	1.2639	1.2639	2.8233	2.0849	0.056264	0.20684	-4.3234	1.01E+08
KIAA0556	-0.7999	0.7999	3.2059	-2.0849	0.05627	0.20684	-4.3235	23247

KRT3	0.8474	0.8474	0.55328	2.0844	0.056316	0.20694	-4.3242	3850
PKHD1L1	-0.35539	0.35539	0.34609	-2.0842	0.056338	0.20694	-4.3246	93035
CTBP1-AS	-0.66038	0.66038	0.97352	-2.0841	0.056347	0.20694	-4.3247	285463
ELFN1	0.62614	0.62614	0.75254	2.0841	0.056347	0.20694	-4.3247	392617
ZNF664	3.4851	3.4851	8.5272	2.0835	0.056409	0.20712	-4.3257	144348
FAM193A	-0.96301	0.96301	3.6537	-2.0829	0.056479	0.20734	-4.3268	8603
SALL2	-0.27525	0.27525	0.47516	-2.0825	0.056516	0.2074	-4.3274	6297
FOXS1	0.81541	0.81541	0.78596	2.0825	0.056521	0.2074	-4.3275	2307
HERC4	1.5125	1.5125	4.7702	2.0822	0.05655	0.20745	-4.3279	26091
FAM86C2P	-0.32231	0.32231	0.66771	-2.0821	0.056559	0.20745	-4.328	645332
EEF1E1	1.2745	1.2745	2.0754	2.0819	0.056581	0.20748	-4.3284	9521
ATP5PB	10.792	10.792	20.692	2.0815	0.056618	0.20754	-4.329	515
BORCS7-ASMT	-0.31755	0.31755	0.56847	-2.0815	0.056622	0.20754	-4.329	1.01E+08
FAM86FP	-0.23623	0.23623	0.5012	-2.0813	0.056646	0.20759	-4.3294	653113
TOR1A	2.3445	2.3445	6.0818	2.081	0.05667	0.20763	-4.3298	1861
HOXD4	-0.32365	0.32365	0.60726	-2.0808	0.056689	0.20763	-4.3301	3233
GSPT1	3.5085	3.5085	9.354	2.0808	0.056696	0.20763	-4.3302	2935
DOC2B	-1.2336	1.2336	1.6957	-2.0804	0.056738	0.20774	-4.3308	8447
RNF103-CHMP3	-0.33028	0.33028	0.61922	-2.0802	0.056758	0.20777	-4.3311	1.01E+08
STK3	0.9895	0.9895	3.3045	2.0798	0.056799	0.20788	-4.3318	6788
ARHGAP20	-0.25289	0.25289	0.33886	-2.0793	0.056847	0.20801	-4.3325	57569
POLDIP3	-2.9995	2.9995	9.7347	-2.0788	0.056906	0.2081	-4.3334	84271
COL4A2	42.01	42.01	52.913	2.0787	0.056907	0.2081	-4.3334	1284
RSPH14	-0.13861	0.13861	0.083118	-2.0787	0.056908	0.2081	-4.3335	27156
PCDHB10	-0.23788	0.23788	0.57296	-2.0785	0.056934	0.20815	-4.3339	56126
MMP13	1.3955	1.3955	0.80316	2.0783	0.056952	0.20817	-4.3341	4322

LINC00847	-0.57943	0.57943	1.2221	-2.0781	0.056971	0.20817	-4.3344	729678
NID2	4.0747	4.0747	4.3658	2.0781	0.056979	0.20817	-4.3346	22795
NEDD4	1.2217	1.2217	3.5265	2.0774	0.057044	0.20832	-4.3356	4734
RGMB-AS1	-0.15479	0.15479	0.16983	-2.0774	0.057049	0.20832	-4.3357	503569
POSTN	85.857	85.857	56.957	2.0773	0.057057	0.20832	-4.3358	10631
CARNMT1	0.59436	0.59436	1.9338	2.0772	0.057069	0.20832	-4.336	138199
APBA2	0.55383	0.55383	0.66718	2.0759	0.05721	0.20879	-4.3381	321
ZNF525	-0.49227	0.49227	1.0826	-2.0756	0.057233	0.20883	-4.3385	170958
LINC00346	0.44211	0.44211	0.56402	2.0755	0.057245	0.20883	-4.3387	283487
CD55	5.5175	5.5175	12.369	2.0749	0.05731	0.20902	-4.3397	1604
MECR	-0.69837	0.69837	1.9458	-2.0736	0.057445	0.20947	-4.3418	51102
GOLGA8M	-0.14252	0.14252	0.10076	-2.0732	0.057489	0.20958	-4.3424	653720
SLAIN1	-0.14061	0.14061	0.16335	-2.0728	0.05753	0.20968	-4.343	122060
CYP4F35P	-0.39419	0.39419	0.26935	-2.0727	0.057543	0.20968	-4.3432	284233
PBXIP1	-3.4723	3.4723	6.9709	-2.0726	0.057556	0.20968	-4.3435	57326
AKTIP	2.9979	2.9979	5.1719	2.0725	0.057565	0.20968	-4.3436	64400
MYRF	-0.15447	0.15447	0.19416	-2.0723	0.057589	0.20972	-4.344	745
ZNF548	-0.41005	0.41005	1.8125	-2.072	0.057615	0.20977	-4.3443	147694
RALGAPA1	-1.3933	1.3933	5.1925	-2.0718	0.057635	0.2098	-4.3447	253959
MLLT3	-0.23991	0.23991	0.65615	-2.0716	0.057658	0.20984	-4.345	4300
LOC101927950	-0.24013	0.24013	0.34674	-2.0714	0.057678	0.20987	-4.3453	1.02E+08
USP30-AS1	-0.14672	0.14672	0.18046	-2.0712	0.057699	0.2099	-4.3456	1E+08
KCNIP2	-0.25184	0.25184	0.3744	-2.0711	0.057711	0.2099	-4.3458	30819
CLEC3B	-13.099	13.099	13.15	-2.0709	0.057735	0.20994	-4.3462	7123
DGCR8	-1.412	1.412	5.4281	-2.0706	0.057759	0.20997	-4.3466	54487
ZNF253	-0.4464	0.4464	0.99174	-2.0705	0.05777	0.20997	-4.3467	56242

TPTEP2-CSNK1E	-0.54123	0.54123	0.86145	-2.0702	0.05781	0.21007	-4.3473	1.03E+08
IL36G	26.138	26.138	26.573	2.07	0.057823	0.21008	-4.3475	56300
ZNF529-AS1	-0.15119	0.15119	0.27257	-2.0692	0.057913	0.21032	-4.3489	1.02E+08
SLC25A39	15.433	15.433	33.248	2.0692	0.057915	0.21032	-4.3489	51629
C5orf38	-0.67732	0.67732	1.3337	-2.069	0.057934	0.21034	-4.3492	153571
ZNF423	-0.57046	0.57046	0.98282	-2.0686	0.057972	0.21044	-4.3498	23090
PPIAP30	-0.234	0.234	0.33753	-2.0676	0.058084	0.2108	-4.3515	1E+08
LINC00707	2.1683	2.1683	1.1062	2.0668	0.058165	0.21105	-4.3527	1.01E+08
RNVU1-19	0.4198	0.4198	0.43475	2.0664	0.058205	0.21105	-4.3533	1.02E+08
KIAA0586	-0.34431	0.34431	0.99954	-2.0664	0.058213	0.21105	-4.3535	9786
ZNF75D	-0.34931	0.34931	1.2758	-2.0664	0.058213	0.21105	-4.3535	7626
RAB23	1.672	1.672	2.5171	2.0663	0.058222	0.21105	-4.3536	51715
DDX1	7.0032	7.0032	17.843	2.066	0.058252	0.21105	-4.354	1653
LINC00649	-0.84192	0.84192	1.6597	-2.066	0.058256	0.21105	-4.3541	1.01E+08
IDNK	-0.36032	0.36032	0.94612	-2.0659	0.058262	0.21105	-4.3542	414328
SBSN	268.78	268.78	415.07	2.0659	0.058267	0.21105	-4.3543	374897
DNAJC27	-0.20755	0.20755	0.61449	-2.0657	0.058284	0.21107	-4.3545	51277
SMIM30	4.3857	4.3857	5.562	2.0655	0.058306	0.21111	-4.3549	401397
PSMB5	9.8591	9.8591	20.818	2.0652	0.058334	0.21116	-4.3553	5693
DPP9-AS1	-0.32087	0.32087	0.74066	-2.0646	0.058401	0.21136	-4.3563	1E+08
PTK7	7.1564	7.1564	14.408	2.0644	0.05842	0.21136	-4.3566	5754
OR7E91P	0.4875	0.4875	0.61575	2.0643	0.058432	0.21136	-4.3568	79315
CHKA	-0.61081	0.61081	1.3188	-2.0642	0.05844	0.21136	-4.3569	1119
ACR	-0.21816	0.21816	0.26573	-2.0635	0.05852	0.21161	-4.3581	49
ZNF844	-0.54996	0.54996	1.7096	-2.0634	0.058533	0.21161	-4.3583	284391
AP3B1	2.4265	2.4265	9.1403	2.0631	0.058558	0.21165	-4.3587	8546

GPLD1	-0.82165	0.82165	0.96707	-2.0628	0.058594	0.21174	-4.3592	2822
PFDN2	6.8679	6.8679	13.133	2.062	0.058677	0.21199	-4.3604	5202
TNRC18	-6.1498	6.1498	11.609	-2.0619	0.058695	0.21201	-4.3607	84629
CALB2	2.5204	2.5204	1.9655	2.0616	0.058726	0.21208	-4.3612	794
ARHGEF10	-1.3172	1.3172	3.2004	-2.0612	0.058771	0.21218	-4.3618	9639
RAET1E	4.2096	4.2096	5.8856	2.0611	0.058781	0.21218	-4.362	135250
GPIHBP1	-0.93921	0.93921	0.8057	-2.061	0.058792	0.21218	-4.3622	338328
CXCR2	2.4979	2.4979	2.2561	2.0607	0.058816	0.21222	-4.3625	3579
FHOD1	1.8242	1.8242	4.1704	2.0604	0.05885	0.2123	-4.363	29109
NDC80	1.0005	1.0005	1.179	2.0603	0.058866	0.21231	-4.3633	10403
COL25A1	-0.12837	0.12837	0.09198	-2.0599	0.058909	0.21242	-4.3639	84570
UBA7	-1.584	1.584	2.7478	-2.0594	0.058961	0.21257	-4.3647	7318
LOC643406	-1.2252	1.2252	2.0547	-2.0592	0.058985	0.21258	-4.365	643406
GTPBP6	-1.569	1.569	4.3203	-2.0591	0.058991	0.21258	-4.3651	8225
C5orf24	1.5751	1.5751	4.0261	2.0586	0.059052	0.21276	-4.366	134553
CLCN3	5.7089	5.7089	11.591	2.0582	0.059096	0.21284	-4.3667	1182
WNT2	1.2921	1.2921	0.90289	2.0581	0.059099	0.21284	-4.3667	7472
HDAC10	-1.9742	1.9742	3.2079	-2.058	0.059117	0.21285	-4.367	83933
SAR1B	1.4	1.4	5.0305	2.0577	0.059148	0.21291	-4.3675	51128
KLF13	-3.3009	3.3009	15.295	-2.0576	0.059159	0.21291	-4.3676	51621
ZNF608	-0.77874	0.77874	1.42	-2.0572	0.0592	0.21302	-4.3682	57507
DGKE	-0.34261	0.34261	0.64417	-2.0567	0.059252	0.21315	-4.369	8526
CCT6B	-0.29797	0.29797	0.52543	-2.0565	0.059271	0.21315	-4.3693	10693
ASPM	0.69155	0.69155	0.99859	2.0565	0.059276	0.21315	-4.3694	259266
LRRC47	-2.5645	2.5645	7.6287	-2.0563	0.059292	0.21316	-4.3696	57470
CAPS2	-0.1368	0.1368	0.15152	-2.0562	0.059304	0.21316	-4.3698	84698

PSMD12	2.219	2.219	5.7115	2.0559	0.059339	0.21324	-4.3703	5718
UST-AS1	-0.1907	0.1907	0.17972	-2.0557	0.059356	0.21324	-4.3706	1E+08
CAPZB	12.466	12.466	31.8	2.0557	0.059363	0.21324	-4.3707	832
GORASP2	4.1292	4.1292	12.094	2.0551	0.059427	0.21343	-4.3716	26003
OSTC	10.246	10.246	14.303	2.0543	0.059516	0.21364	-4.3729	58505
IL17RD	-0.44033	0.44033	1.2485	-2.0542	0.05952	0.21364	-4.373	54756
KLRA1P	-0.32137	0.32137	0.44044	-2.0541	0.059535	0.21364	-4.3732	10748
ADAMTS13	-0.21633	0.21633	0.26513	-2.0541	0.059539	0.21364	-4.3733	11093
RRAGA	7.784	7.784	18.349	2.0538	0.059564	0.21369	-4.3736	10670
MPP5	1.1289	1.1289	3.287	2.053	0.05965	0.21395	-4.3749	64398
TIAL1	1.521	1.521	7.872	2.0529	0.059665	0.21396	-4.3751	7073
CCBE1	-0.29456	0.29456	0.45585	-2.0524	0.059726	0.21413	-4.376	147372
CD69	0.81517	0.81517	1.0257	2.0522	0.059744	0.21415	-4.3763	969
DOK7	-0.19432	0.19432	0.15588	-2.052	0.059764	0.21418	-4.3766	285489
CALCRL	3.034	3.034	3.9834	2.0512	0.059847	0.21443	-4.3778	10203
KLHL21	5.6956	5.6956	13.321	2.0511	0.059863	0.21444	-4.378	9903
KLHL2	1.3712	1.3712	3.103	2.0509	0.05988	0.21445	-4.3783	11275
REGG	-1.0686	1.0686	1.5811	-2.0508	0.0599	0.21445	-4.3786	85004
MAB21L3	-2.4352	2.4352	5.1941	-2.0506	0.059913	0.21445	-4.3788	126868
NKTR	-3.8457	3.8457	7.4889	-2.0506	0.059917	0.21445	-4.3788	4820
FXD1	-1.9512	1.9512	2.8337	-2.0505	0.059928	0.21445	-4.379	5348
ENPP4	-0.44551	0.44551	0.57103	-2.0502	0.059962	0.21452	-4.3795	22875
KMT2B	-2.6542	2.6542	6.4138	-2.0498	0.060008	0.21463	-4.3802	9757
KIF27	-0.28574	0.28574	0.6748	-2.0497	0.060016	0.21463	-4.3803	55582
MAP4	15.465	15.465	38.905	2.0492	0.060073	0.21478	-4.3811	4134
HDC	-0.76133	0.76133	1.1852	-2.049	0.060094	0.2148	-4.3814	3067

BTN2A2	-0.42299	0.42299	1.135	-2.0489	0.060101	0.2148	-4.3815	10385
CDIP1	-1.782	1.782	4.426	-2.0483	0.060169	0.21499	-4.3825	29965
PRKX-AS1	-0.33641	0.33641	0.36122	-2.0478	0.060224	0.21514	-4.3833	1.01E+08
MYADM	11.427	11.427	17.819	2.0477	0.06024	0.21515	-4.3836	91663
RDX	2.2069	2.2069	5.1503	2.0475	0.060259	0.21518	-4.3838	5962
ANKRD35	-5.085	5.085	5.487	-2.0471	0.0603	0.21524	-4.3844	148741
SRRM1	-3.1849	3.1849	12.087	-2.0471	0.060301	0.21524	-4.3845	10250
CYP4A22	-0.14555	0.14555	0.092913	-2.047	0.060317	0.21524	-4.3847	284541
KLRK1	-0.19888	0.19888	0.27109	-2.0469	0.060328	0.21524	-4.3849	22914
CLDN11	-1.2546	1.2546	1.137	-2.0462	0.060403	0.21539	-4.3859	5010
ACOX1	-1.9293	1.9293	6.6079	-2.0461	0.060407	0.21539	-4.386	51
TSHR	-0.13347	0.13347	0.11281	-2.0461	0.060407	0.21539	-4.386	7253
ABHD18	-0.33119	0.33119	1.026	-2.0459	0.060435	0.21541	-4.3864	80167
PDE10A	0.37786	0.37786	0.46737	2.0458	0.060441	0.21541	-4.3865	10846
DLG5	-3.88	3.88	10.761	-2.0454	0.060494	0.21554	-4.3873	9231
FHL2	5.4983	5.4983	9.5948	2.0453	0.060501	0.21554	-4.3874	2274
FKBP14	1.7772	1.7772	2.498	2.0451	0.060519	0.21556	-4.3876	55033
FABP3	-0.46759	0.46759	0.81217	-2.045	0.060538	0.21558	-4.3879	2170
LAMC2	8.4282	8.4282	9.2193	2.0443	0.060608	0.21571	-4.3889	3918
S1PR5	-1.5629	1.5629	2.4966	-2.0443	0.060612	0.21571	-4.389	53637
NEIL2	-0.92056	0.92056	2.4109	-2.0443	0.060612	0.21571	-4.389	252969
DERL1	2.4256	2.4256	7.6475	2.0439	0.060655	0.21573	-4.3896	79139
AP4E1	0.85204	0.85204	2.6614	2.0439	0.060655	0.21573	-4.3896	23431
GRAMD1B	0.30656	0.30656	0.49154	2.0439	0.060656	0.21573	-4.3896	57476
PTAFR	2.5726	2.5726	3.6697	2.0428	0.060775	0.2161	-4.3913	5724
PRKY	-2.7982	2.7982	4.231	-2.0425	0.060806	0.21617	-4.3918	5616

LOC102723709	-0.20346	0.20346	0.13497	-2.0423	0.060828	0.2162	-4.3921	1.03E+08
MAGT1	3.3741	3.3741	9.1468	2.0422	0.060843	0.2162	-4.3923	84061
TINF2	5.5384	5.5384	13.935	2.0421	0.060852	0.2162	-4.3924	26277
DYNC1LI1	3.4597	3.4597	9.7288	2.0415	0.06092	0.21639	-4.3934	51143
KCNK7	-3.2676	3.2676	3.931	-2.0412	0.060954	0.21646	-4.3939	10089
LEAP2	-0.28288	0.28288	0.37445	-2.0411	0.060965	0.21646	-4.3941	116842
SFPQ	-8.1425	8.1425	34.098	-2.0408	0.060999	0.21654	-4.3946	6421
UGDH-AS1	-33.815	33.815	63.575	-2.0402	0.061071	0.21675	-4.3956	1.01E+08
FKBP1A	26.686	26.686	49.946	2.04	0.061091	0.21677	-4.3959	2280
PPP4R1L	-0.31762	0.31762	0.89839	-2.0397	0.061126	0.21685	-4.3964	55370
IL34	-4.0046	4.0046	4.3419	-2.0393	0.061162	0.21686	-4.3969	146433
ZNF227	-0.43058	0.43058	1.8628	-2.0393	0.061171	0.21686	-4.397	7770
SCNN1B	7.0311	7.0311	10.153	2.039	0.0612	0.21686	-4.3975	6338
SUGT1P3	-0.20188	0.20188	0.2938	-2.039	0.061202	0.21686	-4.3975	283507
KLK8	59.482	59.482	53.183	2.0389	0.061213	0.21686	-4.3976	11202
CCT2	9.2811	9.2811	18.528	2.0388	0.061217	0.21686	-4.3977	10576
TMEM234	-0.60088	0.60088	1.8851	-2.0388	0.061219	0.21686	-4.3977	56063
RBM5	-2.291	2.291	13.133	-2.0382	0.061289	0.21706	-4.3987	10181
CGN	-1.2633	1.2633	2.1248	-2.0379	0.061328	0.21716	-4.3993	57530
SOST	0.52959	0.52959	0.32988	2.0376	0.061355	0.21721	-4.3997	50964
DENND1A	-0.8198	0.8198	2.0536	-2.0372	0.061399	0.21731	-4.4003	57706
BEND5	-0.26	0.26	0.37439	-2.0371	0.06141	0.21731	-4.4005	79656
PDIA3P1	-0.19458	0.19458	0.51458	-2.0366	0.061468	0.21747	-4.4013	171423
HMOX1	34.033	34.033	35.721	2.0361	0.061528	0.21764	-4.4021	3162
PNMA5	-0.198	0.198	0.17169	-2.0357	0.061571	0.21774	-4.4028	114824
LOC100130950	-0.18692	0.18692	0.26753	-2.0355	0.061588	0.21774	-4.403	1E+08

BRF1	-0.90984	0.90984	2.3688	-2.0355	0.061597	0.21774	-4.4031	2972
GLYATL2	-0.22266	0.22266	0.20657	-2.0349	0.061666	0.21794	-4.4041	219970
NPEPPS	11.034	11.034	23.868	2.0347	0.061685	0.21796	-4.4044	9520
CNOT6L	-1.0471	1.0471	4.5521	-2.0344	0.061719	0.21804	-4.4049	246175
HSPB7	-0.86842	0.86842	0.85774	-2.0341	0.061745	0.21807	-4.4052	27129
DPP6	-0.20494	0.20494	0.11777	-2.034	0.06176	0.21807	-4.4054	1804
ZNF812P	0.28051	0.28051	0.38697	2.034	0.061767	0.21807	-4.4055	729648
TTBK2	-0.45146	0.45146	1.7897	-2.0337	0.061792	0.21811	-4.4059	146057
TMC5	-0.24629	0.24629	0.2821	-2.0335	0.061815	0.21815	-4.4062	79838
ZNF500	-0.4687	0.4687	1.1366	-2.0334	0.061828	0.21815	-4.4064	26048
MORN4	-0.26786	0.26786	0.55549	-2.0331	0.061865	0.21819	-4.4069	118812
DESI1	2.1714	2.1714	6.8958	2.0331	0.061867	0.21819	-4.407	27351
ZNF764	-0.54238	0.54238	1.43	-2.0328	0.061892	0.21819	-4.4073	92595
STK24-AS1	-0.14023	0.14023	0.27631	-2.0328	0.061892	0.21819	-4.4073	1.01E+08
TMEM251	1.019	1.019	2.3296	2.0324	0.061947	0.21834	-4.4081	26175
SCARNA21	-2.3733	2.3733	4.7486	-2.0322	0.061965	0.21836	-4.4084	677763
LINC01359	-0.18224	0.18224	0.14087	-2.0317	0.062024	0.21852	-4.4092	1.02E+08
LINC01091	-0.21162	0.21162	0.22085	-2.0313	0.062067	0.21862	-4.4098	285419
SEL1L3	0.89166	0.89166	1.5704	2.0312	0.062082	0.21862	-4.41	23231
PROCR	2.7292	2.7292	4.5681	2.0311	0.06209	0.21862	-4.4101	10544
ZNF461	-0.19648	0.19648	0.54322	-2.0302	0.062186	0.21884	-4.4115	92283
ECHDC1	2.692	2.692	6.2334	2.0301	0.062206	0.21884	-4.4118	55862
SAP30L	-0.8636	0.8636	3.5353	-2.03	0.062211	0.21884	-4.4118	79685
C1QTNF7	-0.30371	0.30371	0.35543	-2.0299	0.062223	0.21884	-4.412	114905
RPL23AP64	-1.3445	1.3445	2.7117	-2.0299	0.06223	0.21884	-4.4121	649946
ASPHD2	-0.51398	0.51398	0.79578	-2.0298	0.062237	0.21884	-4.4122	57168

CHRM4	-0.20232	0.20232	0.15546	-2.0297	0.062245	0.21884	-4.4123	1132
IDH3A	3.9342	3.9342	9.3893	2.0296	0.062262	0.21886	-4.4126	3419
HULC	-0.17211	0.17211	0.10514	-2.0293	0.062294	0.21892	-4.413	728655
YJEFN3	-0.30272	0.30272	0.45606	-2.0292	0.062307	0.21893	-4.4132	374887
NRBP2	-2.0374	2.0374	5.9359	-2.029	0.062332	0.21896	-4.4135	340371
TUBA3D	-0.14233	0.14233	0.15667	-2.0286	0.062377	0.21896	-4.4142	113457
ABLIM3	2.0421	2.0421	3.1091	2.0285	0.062379	0.21896	-4.4142	22885
ZNRF1	-0.96092	0.96092	3.0242	-2.0285	0.062387	0.21896	-4.4143	84937
RHEX	-0.36184	0.36184	0.57826	-2.0284	0.06239	0.21896	-4.4144	440712
ZNF493	-0.45295	0.45295	0.89565	-2.0283	0.062405	0.21896	-4.4146	284443
THTPA	-0.65077	0.65077	1.8575	-2.0283	0.062407	0.21896	-4.4146	79178
LOC374443	-0.46517	0.46517	1.1554	-2.0281	0.062425	0.21897	-4.4148	374443
LINC01229	-0.14787	0.14787	0.097566	-2.0279	0.062449	0.21901	-4.4152	1.02E+08
CCT8	8.5745	8.5745	18.207	2.0275	0.062495	0.21913	-4.4158	10694
LTBP3	-4.5128	4.5128	7.3977	-2.0273	0.062521	0.21917	-4.4162	4054
EP400P1	-0.28974	0.28974	0.64203	-2.0267	0.062583	0.21935	-4.4171	347918
HDGFL2	-2.1136	2.1136	3.9891	-2.0266	0.062606	0.21938	-4.4174	84717
AGAP1-IT1	-0.62617	0.62617	0.86983	-2.0264	0.062622	0.21939	-4.4176	1.01E+08
LINC01801	-0.14459	0.14459	0.15455	-2.026	0.062671	0.21949	-4.4183	400685
PRR5-ARHGAP8	-0.28485	0.28485	0.24452	-2.0259	0.062675	0.21949	-4.4184	553158
SRPX2	1.9202	1.9202	2.9952	2.0254	0.062734	0.21965	-4.4192	27286
ST8SIA6	-0.1711	0.1711	0.18755	-2.0251	0.062772	0.2197	-4.4197	338596
SERPINB6	4.1532	4.1532	7.3229	2.025	0.062779	0.2197	-4.4198	5269
CFL1	99.996	99.996	186.87	2.0249	0.062799	0.2197	-4.4201	1072
EXOC2	0.74072	0.74072	4.0989	2.0248	0.062802	0.2197	-4.4201	55770
DYNC111	-0.23593	0.23593	0.29604	-2.0243	0.062866	0.21986	-4.421	1780

DNAJA2	4.108	4.108	11.337	2.0242	0.062872	0.21986	-4.4211	10294
SOX12	-1.5	1.5	2.4933	-2.0237	0.062929	0.21993	-4.4219	6666
PITPNC1	1.5853	1.5853	2.251	2.0237	0.062937	0.21993	-4.422	26207
TENT5B	25.073	25.073	41.985	2.0234	0.062971	0.21993	-4.4225	115572
GNG3	-0.24731	0.24731	0.45965	-2.0232	0.062984	0.21993	-4.4227	2785
ARNTL2	6.4836	6.4836	7.1457	2.0232	0.062989	0.21993	-4.4227	56938
LINC02257	0.17073	0.17073	0.096132	2.0231	0.063003	0.21993	-4.4229	1.05E+08
C11orf24	4.0309	4.0309	7.1372	2.023	0.063007	0.21993	-4.423	53838
SZT2	-1.2791	1.2791	4.2511	-2.0229	0.063019	0.21993	-4.4231	23334
CHM	0.42723	0.42723	1.314	2.0229	0.06302	0.21993	-4.4232	1121
MIR31HG	2.0603	2.0603	2.47	2.0229	0.063022	0.21993	-4.4232	554202
PPP2R1B	0.91882	0.91882	3.846	2.0227	0.06305	0.21998	-4.4236	5519
GCOM1	1.867	1.867	3.1375	2.0221	0.063113	0.22015	-4.4245	145781
DPY19L1	1.0977	1.0977	1.8603	2.0219	0.063138	0.22019	-4.4248	23333
GOLPH3	3.571	3.571	13.634	2.0214	0.063191	0.22031	-4.4255	64083
SLC25A13	1.7361	1.7361	4.9635	2.0214	0.063197	0.22031	-4.4256	10165
FPR2	1.7891	1.7891	1.2516	2.021	0.063242	0.2204	-4.4262	2358
F5	-0.64178	0.64178	0.53786	-2.0209	0.063249	0.2204	-4.4263	2153
TMEM165	12.264	12.264	22.386	2.0206	0.063285	0.22048	-4.4268	55858
QTRT1	-2.8509	2.8509	6.4837	-2.0202	0.063328	0.22058	-4.4274	81890
UBL4B	-0.34099	0.34099	0.39318	-2.0201	0.063343	0.22059	-4.4276	164153
DZIP3	-0.31791	0.31791	0.68014	-2.0196	0.063404	0.22064	-4.4285	9666
VEGFC	1.2213	1.2213	1.893	2.0195	0.06341	0.22064	-4.4286	7424
TIPARP	2.7848	2.7848	8.208	2.0195	0.063412	0.22064	-4.4286	25976
GOLT1B	1.3898	1.3898	2.7682	2.0195	0.063414	0.22064	-4.4286	51026
LINC01465	-0.579	0.579	1.3803	-2.0194	0.063423	0.22064	-4.4288	283416

MRPL15	4.5577	4.5577	8.4806	2.019	0.063471	0.22073	-4.4294	29088
TMEM95	0.26428	0.26428	0.27278	2.0188	0.063492	0.22073	-4.4297	339168
CNBP	17.415	17.415	47.238	2.0188	0.063493	0.22073	-4.4297	7555
GAL3ST4	-1.4039	1.4039	2.6957	-2.0187	0.063501	0.22073	-4.4298	79690
STARD10	7.0507	7.0507	14.549	2.0184	0.063539	0.2208	-4.4304	10809
CHFR	1.683	1.683	6.2465	2.0183	0.063548	0.2208	-4.4305	55743
RNF212B	-0.13605	0.13605	0.12668	-2.0181	0.063581	0.22085	-4.4309	1.01E+08
SNORA94	-2.4277	2.4277	7.1518	-2.018	0.063589	0.22085	-4.431	1.07E+08
DHRS3	-4.0149	4.0149	9.0277	-2.0177	0.063623	0.22093	-4.4315	9249
LRRFIP2	1.8529	1.8529	5.6987	2.0175	0.063645	0.22096	-4.4318	9209
CROCC	-1.3352	1.3352	1.6799	-2.017	0.063698	0.2211	-4.4325	9696
LINC01530	-0.45822	0.45822	0.84914	-2.0169	0.06372	0.22113	-4.4328	729975
ZNF37BP	-0.45972	0.45972	0.82098	-2.0167	0.063737	0.22114	-4.4331	1E+08
PGPEP1	-0.51362	0.51362	0.91944	-2.0165	0.063757	0.22116	-4.4333	54858
RETSAT	-2.6736	2.6736	9.7623	-2.0162	0.063792	0.22116	-4.4338	54884
MTCH2	4.1942	4.1942	11.609	2.0162	0.063801	0.22116	-4.434	23788
TTC7B	1.0541	1.0541	2.924	2.0162	0.063801	0.22116	-4.434	145567
DMRTA1	0.36517	0.36517	0.61776	2.016	0.063818	0.22116	-4.4342	63951
HLA-F	-0.76383	0.76383	1.4294	-2.016	0.063821	0.22116	-4.4342	3134
YEATS2-AS1	-0.31977	0.31977	0.67376	-2.0155	0.063878	0.22131	-4.435	1.01E+08
FLJ13224	-0.34227	0.34227	0.64044	-2.0151	0.063927	0.22144	-4.4357	79857
CSGALNACT2	2.0462	2.0462	4.4709	2.0149	0.063943	0.22144	-4.4359	55454
C11orf98	3.8221	3.8221	8.0715	2.0147	0.063965	0.22148	-4.4362	1.02E+08
TUBB4B	55.271	55.271	107.98	2.0142	0.064025	0.22164	-4.437	10383
STRAP	7.9471	7.9471	20.447	2.0137	0.06409	0.22182	-4.4379	11171
TSKU	-3.2041	3.2041	8.0986	-2.0135	0.064106	0.22183	-4.4381	25987

NUP43	-0.75662	0.75662	3.2538	-2.0129	0.064175	0.22202	-4.4391	348995
FAM241A	1.0679	1.0679	2.6778	2.0127	0.064199	0.22206	-4.4394	132720
TTC23L	-0.13591	0.13591	0.11362	-2.0125	0.064223	0.2221	-4.4397	153657
TAF15	-4.1449	4.1449	12.523	-2.0116	0.06433	0.22237	-4.4412	8148
COLQ	-0.29732	0.29732	0.39619	-2.0116	0.064335	0.22237	-4.4413	8292
SUMO2	17.302	17.302	42.896	2.0115	0.06434	0.22237	-4.4413	6613
CYP27B1	1.1325	1.1325	1.146	2.0113	0.06437	0.2224	-4.4417	1594
MYO1D	3.9429	3.9429	15.223	2.0112	0.064377	0.2224	-4.4418	4642
METTL3	-1.4961	1.4961	6.0219	-2.0108	0.064421	0.22251	-4.4424	56339
LINC01805	-1.4093	1.4093	1.1969	-2.0105	0.064464	0.22261	-4.443	1.05E+08
AP4S1	-0.21339	0.21339	0.82683	-2.0101	0.064506	0.22265	-4.4436	11154
TMEM79	27.094	27.094	46.93	2.0101	0.06451	0.22265	-4.4436	84283
ETNK2	-0.6916	0.6916	0.96795	-2.01	0.064514	0.22265	-4.4437	55224
PSMG3-AS1	-0.35615	0.35615	0.51172	-2.0099	0.064528	0.22265	-4.4439	114796
PSMD2	12.498	12.498	28.894	2.0097	0.06455	0.22268	-4.4442	5708
CDC20	4.1557	4.1557	4.9462	2.0095	0.064576	0.22272	-4.4445	991
FAM95B1	-0.12269	0.12269	0.088281	-2.009	0.06464	0.2229	-4.4454	1E+08
ETDC	-0.22328	0.22328	0.16457	-2.0088	0.064656	0.2229	-4.4456	1.11E+08
RENBP	-0.80631	0.80631	1.2386	-2.0087	0.064674	0.2229	-4.4459	5973
ELOVL4	14.861	14.861	17.234	2.0086	0.064679	0.2229	-4.4459	6785
GABPA	1.0333	1.0333	3.2907	2.0084	0.064707	0.22295	-4.4463	2551
MTG1	-1.3537	1.3537	3.8395	-2.0078	0.064776	0.22308	-4.4472	92170
PTPN20	-0.22141	0.22141	0.31331	-2.0078	0.064782	0.22308	-4.4473	26095
PKP3	50.082	50.082	84.901	2.0078	0.064783	0.22308	-4.4473	11187
ZNF410	2.4732	2.4732	7.3145	2.0076	0.064799	0.22308	-4.4475	57862
TMCC1	0.73565	0.73565	3.0506	2.0075	0.064815	0.22309	-4.4478	23023

LINC00680	-0.58493	0.58493	1.2447	-2.0074	0.064827	0.22309	-4.4479	1.07E+08
F2RL1	4.4341	4.4341	9.3824	2.0073	0.064841	0.22309	-4.4481	2150
LOC728743	-0.36284	0.36284	0.63239	-2.0069	0.064887	0.22321	-4.4487	728743
GOLGA5	2.4995	2.4995	7.1845	2.0062	0.064963	0.22342	-4.4498	9950
FXVD6	-1.1441	1.1441	1.8674	-2.0054	0.065055	0.22369	-4.451	53826
ORC4	-7.915	7.915	15.88	-2.005	0.065109	0.22383	-4.4517	5000
MRPL32	4.588	4.588	7.877	2.0049	0.065123	0.22383	-4.4519	64983
ALG10B	-0.28833	0.28833	0.57094	-2.0042	0.065207	0.22408	-4.453	144245
ATF3	2.2218	2.2218	2.9535	2.004	0.065221	0.22408	-4.4532	467
KLHDC4	-0.92757	0.92757	2.9229	-2.0038	0.065255	0.22414	-4.4537	54758
PMS2CL	-0.39831	0.39831	1.7288	-2.0037	0.065264	0.22414	-4.4538	441194
CD300LB	0.23035	0.23035	0.19459	2.0031	0.065333	0.22426	-4.4547	124599
PDLIM1	18.955	18.955	46.757	2.003	0.065346	0.22426	-4.4549	9124
FCAR	0.68866	0.68866	0.53442	2.0028	0.065371	0.22426	-4.4552	2204
STARD9	-1.3349	1.3349	1.9777	-2.0027	0.065379	0.22426	-4.4553	57519
MED18	2.1409	2.1409	4.1446	2.0027	0.065382	0.22426	-4.4554	54797
ATOX1	11.654	11.654	20.238	2.0026	0.065392	0.22426	-4.4555	475
SNRPG	5.3465	5.3465	7.556	2.0026	0.065398	0.22426	-4.4556	6637
QRFPR	0.13431	0.13431	0.087532	2.0025	0.065407	0.22426	-4.4557	84109
PFN1	82.334	82.334	151.76	2.0018	0.065486	0.22448	-4.4568	5216
MIER3	0.5744	0.5744	2.0839	2.0017	0.065503	0.22448	-4.457	166968
NCCRP1	107.4	107.4	110.37	2.0015	0.065521	0.22448	-4.4572	342897
WDR1	25.247	25.247	49.474	2.0015	0.065523	0.22448	-4.4573	9948
OSTF1	7.3234	7.3234	20.035	2.0009	0.0656	0.22468	-4.4583	26578
ALX3	-0.6106	0.6106	1.0524	-2.0008	0.065609	0.22468	-4.4584	257
TUBB2B	5.0195	5.0195	4.1337	2.0006	0.065633	0.22469	-4.4587	347733

EDRF1	-0.46248	0.46248	1.8954	-2.0004	0.06565	0.22469	-4.459	26098
ZNF814	-0.64797	0.64797	1.5676	-2.0004	0.065659	0.22469	-4.4591	730051
TAS2R19	-0.45612	0.45612	0.75284	-2.0002	0.065673	0.22469	-4.4593	259294
NDUFA6	9.522	9.522	17.738	2.0002	0.065681	0.22469	-4.4594	4700
ZNF783	-0.87476	0.87476	2.1877	-2	0.065701	0.22469	-4.4596	1E+08
BLOC1S6	2.1351	2.1351	4.6219	2	0.065707	0.22469	-4.4597	26258
GNL1	-0.16801	0.16801	0.43423	-1.9999	0.065719	0.22469	-4.4599	2794
CIAO1	-1.2569	1.2569	6.537	-1.9995	0.065763	0.2248	-4.4605	9391
OR7E14P	0.23372	0.23372	0.38236	1.9993	0.065779	0.22481	-4.4607	10819
TMEM129	-2.1933	2.1933	4.7632	-1.9986	0.065872	0.22501	-4.4619	92305
UBE2J2	3.0498	3.0498	8.5014	1.9986	0.065874	0.22501	-4.4619	118424
IFT20	2.2476	2.2476	3.6131	1.9985	0.065878	0.22501	-4.462	90410
LUC7L3	-1.9396	1.9396	5.3051	-1.9984	0.065892	0.22501	-4.4622	51747
STK38	1.6846	1.6846	7.2943	1.9983	0.065909	0.22502	-4.4624	11329
ERLEC1	2.7998	2.7998	6.6446	1.9975	0.065995	0.22527	-4.4635	27248
ZBTB14	-0.50498	0.50498	1.7234	-1.9972	0.066039	0.22529	-4.4641	7541
MTIF3	2.3892	2.3892	5.6556	1.9971	0.066046	0.22529	-4.4642	219402
SNRNP70	-8.9415	8.9415	19.665	-1.9971	0.066053	0.22529	-4.4643	6625
MAU2	-1.4392	1.4392	5.9023	-1.997	0.066057	0.22529	-4.4644	23383
SH2D5	3.5103	3.5103	2.0802	1.9969	0.066068	0.22529	-4.4645	400745
PCBP1	30.93	30.93	72.512	1.9968	0.06608	0.22529	-4.4647	5093
KLF8	-0.87433	0.87433	2.6855	-1.9965	0.066125	0.22536	-4.4653	11279
TNNC2	-0.27805	0.27805	0.33899	-1.9964	0.066135	0.22536	-4.4654	7125
FAM198B-AS1	-0.21304	0.21304	0.3488	-1.9963	0.066142	0.22536	-4.4655	285505
INHBB	-2.4973	2.4973	2.7318	-1.9962	0.066154	0.22536	-4.4657	3625
DDR1	-1.9582	1.9582	4.6014	-1.9956	0.066232	0.22558	-4.4667	780

RBM34	1.8229	1.8229	5.0435	1.9949	0.066313	0.22581	-4.4677	23029
TBCA	3.146	3.146	6.2437	1.9946	0.066344	0.22583	-4.4682	6902
ERV3-1	0.90002	0.90002	3.2268	1.9946	0.066346	0.22583	-4.4682	2086
CASZ1	-4.0744	4.0744	8.4883	-1.9944	0.066369	0.22586	-4.4685	54897
NCAPG	0.86888	0.86888	1.0885	1.9943	0.066382	0.22586	-4.4687	64151
LAMA5	-6.173	6.173	13.765	-1.994	0.066416	0.22593	-4.4691	3911
TMPRSS13	7.6	7.6	11.307	1.9937	0.06646	0.226	-4.4697	84000
UCKL1-AS1	-0.56627	0.56627	0.84479	-1.9937	0.066462	0.226	-4.4697	1E+08
TRAM1L1	-0.27132	0.27132	0.49416	-1.9935	0.066481	0.226	-4.47	133022
AKR1E2	-0.45518	0.45518	1.0263	-1.9934	0.06649	0.226	-4.4701	83592
TAS2R43	-0.20073	0.20073	0.21955	-1.9929	0.066547	0.22615	-4.4708	259289
UAP1	3.5839	3.5839	6.7419	1.9924	0.066617	0.22634	-4.4717	6675
RUNDC1	-0.38212	0.38212	1.7589	-1.9916	0.066706	0.22657	-4.4729	146923
STAT5A	-1.808	1.808	3.7208	-1.9916	0.06671	0.22657	-4.473	6776
RNF10	7.4719	7.4719	20.176	1.9915	0.066725	0.22657	-4.4732	9921
MDC1	-0.1484	0.1484	0.28045	-1.9913	0.066748	0.22657	-4.4735	9656
PSMA2	9.2884	9.2884	16.11	1.9911	0.066765	0.22657	-4.4737	5683
GPRC5D	-0.26782	0.26782	0.51496	-1.9911	0.066765	0.22657	-4.4737	55507
NF1	-1.3668	1.3668	4.6553	-1.9907	0.066814	0.22665	-4.4743	4763
TMEM131L	1.2776	1.2776	3.7217	1.9907	0.066816	0.22665	-4.4744	23240
LSM1	3.1878	3.1878	6.6731	1.9896	0.066949	0.22706	-4.4761	27257
CXADR	-7.6313	7.6313	14.879	-1.9894	0.066976	0.22711	-4.4764	1525
EGFLAM	0.78123	0.78123	1.331	1.9885	0.06709	0.22743	-4.4779	133584
REC8	-0.61548	0.61548	1.1467	-1.9884	0.0671	0.22743	-4.4781	9985
ST3GAL5	-0.36249	0.36249	0.85922	-1.9882	0.067116	0.22744	-4.4783	8869
GUCY1A1	2.3112	2.3112	2.6968	1.988	0.067149	0.22751	-4.4787	2982

ATG3	2.2241	2.2241	6.2729	1.9874	0.067225	0.22772	-4.4797	64422
FAM98A	3.0946	3.0946	6.6216	1.987	0.06727	0.22781	-4.4803	25940
YTHDF3	1.8133	1.8133	5.7916	1.9869	0.067277	0.22781	-4.4804	253943
SLC52A1	-1.9229	1.9229	1.1341	-1.9862	0.067363	0.22805	-4.4815	55065
TAF8	-0.46203	0.46203	2.2945	-1.9855	0.067456	0.22832	-4.4827	129685
LRRC29	-0.34216	0.34216	0.60341	-1.9853	0.067469	0.22832	-4.4828	26231
CYP4Z2P	-0.13825	0.13825	0.074908	-1.9848	0.067538	0.22851	-4.4837	163720
DNAJB3	-0.18843	0.18843	0.10423	-1.9836	0.067678	0.22893	-4.4855	414061
ADAMTSL2	0.25146	0.25146	0.43	1.9835	0.067699	0.22895	-4.4858	9719
TTC39C	-0.91995	0.91995	3.393	-1.9834	0.067709	0.22895	-4.4859	125488
CSAD	-2.4718	2.4718	3.7719	-1.9828	0.067778	0.22897	-4.4868	51380
FKBP1B	0.82151	0.82151	1.2978	1.9828	0.067779	0.22897	-4.4868	2281
KRI1	-1.9902	1.9902	4.3118	-1.9828	0.06778	0.22897	-4.4869	65095
GCNT7	-0.18515	0.18515	0.31519	-1.9826	0.067801	0.22897	-4.4871	140687
PPIA	76.753	76.753	152.83	1.9825	0.067815	0.22897	-4.4873	5478
SLC27A5	-0.16846	0.16846	0.28018	-1.9824	0.067829	0.22897	-4.4875	10998
EGFL6	1.1534	1.1534	1.0056	1.9824	0.067835	0.22897	-4.4876	25975
RBM7	0.84236	0.84236	2.1396	1.9823	0.067847	0.22897	-4.4877	10179
SGSH	-2.1378	2.1378	5.3776	-1.9822	0.067849	0.22897	-4.4877	6448
LOC101926943	-0.37606	0.37606	0.72766	-1.9822	0.067853	0.22897	-4.4878	1.02E+08
CENPK	0.40901	0.40901	0.59593	1.9821	0.067865	0.22897	-4.4879	64105
WFDC13	-0.22688	0.22688	0.121	-1.982	0.067878	0.22897	-4.4881	164237
CTD-2350J17.1	-0.14143	0.14143	0.10025	-1.9819	0.067893	0.22897	-4.4883	1.02E+08
NRTN	-0.64068	0.64068	0.89924	-1.9812	0.067982	0.22923	-4.4895	4902
CINP	2.9603	2.9603	6.4472	1.9807	0.068041	0.22938	-4.4902	51550
TAF12	1.3813	1.3813	3.6944	1.9799	0.068137	0.22966	-4.4914	6883

DROSHA	-1.0662	1.0662	4.0395	-1.9798	0.068155	0.22967	-4.4917	29102
NIPA1	0.4496	0.4496	1.2788	1.9796	0.068176	0.2297	-4.4919	123606
B3GLCT	0.85345	0.85345	1.6302	1.9793	0.068214	0.22978	-4.4924	145173
CTSC	5.1138	5.1138	9.4058	1.979	0.068255	0.22987	-4.4929	1075
SNX11	1.0728	1.0728	3.1446	1.9783	0.068334	0.23007	-4.494	29916
LOC646214	-2.1188	2.1188	3.9119	-1.9783	0.068341	0.23007	-4.494	646214
NSF	1.676	1.676	4.6663	1.9779	0.068379	0.23015	-4.4945	4905
NOD1	-0.64453	0.64453	2.462	-1.9777	0.068406	0.2302	-4.4949	10392
HTATSF1P2	0.83022	0.83022	1.4173	1.9775	0.068433	0.2302	-4.4952	401233
ZNF572	-0.14674	0.14674	0.2477	-1.9775	0.068438	0.2302	-4.4953	137209
PRSS8	25.116	25.116	37.595	1.9772	0.068467	0.2302	-4.4957	5652
ZNF589	-0.78369	0.78369	3.2077	-1.9772	0.068469	0.2302	-4.4957	51385
ZBTB48	-1.0096	1.0096	2.556	-1.9772	0.068476	0.2302	-4.4958	3104
ERLIN2	-0.72837	0.72837	2.6084	-1.977	0.068492	0.23021	-4.496	11160
PGGT1B	1.1609	1.1609	3.8724	1.9768	0.068523	0.23027	-4.4964	5229
LINC00630	-0.18285	0.18285	0.32022	-1.9764	0.068575	0.23039	-4.497	1E+08
PGLYRP4	4.4864	4.4864	6.6944	1.9763	0.068585	0.23039	-4.4972	57115
PPP2R5C	2.2241	2.2241	8.2172	1.976	0.068614	0.23044	-4.4975	5527
TSPAN11	3.5404	3.5404	3.6318	1.9759	0.068634	0.23046	-4.4978	441631
ADH6	-0.12572	0.12572	0.095079	-1.9754	0.068696	0.23062	-4.4986	130
PARD3-AS1	-0.30455	0.30455	0.22473	-1.9752	0.068713	0.23063	-4.4988	1.01E+08
METAP2	3.1853	3.1853	9.5731	1.9751	0.068738	0.23065	-4.4991	10988
LINC01237	-0.16543	0.16543	0.11593	-1.9749	0.068757	0.23065	-4.4993	1.02E+08
LINC00506	-6.8119	6.8119	13.307	-1.9749	0.06876	0.23065	-4.4994	1.01E+08
STMN3	-1.9525	1.9525	3.9488	-1.9747	0.068785	0.23069	-4.4997	50861
ZNF506	-1.0049	1.0049	2.5963	-1.9742	0.06884	0.23078	-4.5004	440515

LOC100128361	-1.5121	1.5121	3.0106	-1.9742	0.068844	0.23078	-4.5004	1E+08
ERO1A	14.931	14.931	16.17	1.9741	0.068853	0.23078	-4.5006	30001
ZNF347	-0.39889	0.39889	1.0885	-1.974	0.068874	0.23081	-4.5008	84671
KRT34	0.41514	0.41514	0.56826	1.9737	0.068906	0.23087	-4.5012	3885
ERVFRD-1	-0.328	0.328	0.60217	-1.9736	0.068923	0.23088	-4.5014	405754
DNPEP	-1.7515	1.7515	4.9576	-1.9732	0.06897	0.23099	-4.502	23549
CACNA1C-AS2	-0.12966	0.12966	0.12029	-1.973	0.068995	0.23099	-4.5024	1.01E+08
ZNF251	-0.79684	0.79684	2.0749	-1.973	0.068998	0.23099	-4.5024	90987
POLM	-1.221	1.221	2.7973	-1.9725	0.069051	0.231	-4.5031	27434
SCPEP1	-4.0309	4.0309	11.059	-1.9724	0.06907	0.231	-4.5033	59342
CWF19L2	-0.98118	0.98118	2.7579	-1.9723	0.069078	0.231	-4.5034	143884
FAM3D	-0.33603	0.33603	0.27563	-1.9723	0.069085	0.231	-4.5035	131177
AFMID	-0.91752	0.91752	2.267	-1.9722	0.069091	0.231	-4.5036	125061
RAMP2-AS1	-0.17939	0.17939	0.2735	-1.9721	0.0691	0.231	-4.5037	1E+08
FAM243A	-0.15739	0.15739	0.21128	-1.9721	0.069109	0.231	-4.5038	1.02E+08
FAM243B	-0.15739	0.15739	0.21128	-1.9721	0.069109	0.231	-4.5038	1.03E+08
HCG11	-0.26409	0.26409	0.87563	-1.9719	0.069128	0.231	-4.504	493812
ZSCAN31	1.2729	1.2729	1.5607	1.9718	0.069144	0.231	-4.5042	64288
LRRC37A	-0.24468	0.24468	0.46936	-1.9717	0.069161	0.231	-4.5044	9884
NPRL2	-0.56235	0.56235	1.8438	-1.9716	0.069167	0.231	-4.5045	10641
NABP1	3.0026	3.0026	4.8375	1.9715	0.069178	0.231	-4.5047	64859
SNX7	2.5131	2.5131	5.6619	1.9713	0.069202	0.23103	-4.505	51375
AOX1	-4.0849	4.0849	3.5649	-1.9709	0.06925	0.23115	-4.5056	316
AP3S1	4.1416	4.1416	9.1419	1.9708	0.069272	0.23115	-4.5059	1176
MELK	1.3474	1.3474	1.7684	1.9706	0.069287	0.23115	-4.506	9833
VDAC1	13.04	13.04	28.914	1.9706	0.069292	0.23115	-4.5061	7416

LLPH-DT	-0.7672	0.7672	1.0646	-1.9704	0.069324	0.23118	-4.5065	1.04E+08
PAXBP1-AS1	-0.2848	0.2848	0.52936	-1.9703	0.069329	0.23118	-4.5066	1.01E+08
RASSF8	1.6338	1.6338	2.1566	1.97	0.069369	0.2312	-4.5071	11228
ZNF470	-0.1789	0.1789	0.43549	-1.97	0.06937	0.2312	-4.5071	388566
RTEL1-TNFRSF6B	-0.28237	0.28237	0.63356	-1.9699	0.069386	0.2312	-4.5073	1.01E+08
RER1	5.3461	5.3461	15.694	1.9698	0.06939	0.2312	-4.5073	11079
HSPBAP1	-0.38467	0.38467	1.7817	-1.9687	0.069531	0.23153	-4.5091	79663
CPSF2	1.5843	1.5843	5.3695	1.9686	0.069539	0.23153	-4.5092	53981
CMIP	7.9883	7.9883	18.777	1.9686	0.069545	0.23153	-4.5093	80790
CRTC1	-0.80076	0.80076	1.5215	-1.9685	0.069554	0.23153	-4.5094	23373
CLIC6	-1.4131	1.4131	1.4248	-1.9685	0.069556	0.23153	-4.5094	54102
RFX7	-1.13	1.13	3.3485	-1.9683	0.069584	0.23155	-4.5098	64864
ITSN2	2.4194	2.4194	6.6566	1.9682	0.069591	0.23155	-4.5099	50618
NUP50	2.4353	2.4353	7.5272	1.968	0.069617	0.23159	-4.5102	10762
CPSF1	-2.7844	2.7844	7.0981	-1.9679	0.06963	0.23159	-4.5103	29894
ALKBH2	-1.0019	1.0019	2.788	-1.9678	0.069648	0.23161	-4.5106	121642
ADRB2	5.7735	5.7735	8.9935	1.9675	0.069683	0.23168	-4.511	154
CTAGE4	-0.4662	0.4662	0.70966	-1.967	0.069747	0.23183	-4.5118	1E+08
HAUS4	-1.7855	1.7855	5.38	-1.9669	0.069756	0.23183	-4.5119	54930
ASTE1	-0.37384	0.37384	1.0956	-1.9666	0.069795	0.23191	-4.5124	28990
CSGALNACT1	3.1682	3.1682	4.1723	1.9663	0.069838	0.23201	-4.5129	55790
MAP3K8	2.3748	2.3748	5.1805	1.9657	0.069907	0.23212	-4.5138	1326
ZNF365	0.35631	0.35631	0.30817	1.9657	0.069909	0.23212	-4.5138	22891
ZBTB20-AS1	-0.16734	0.16734	0.18012	-1.9656	0.069918	0.23212	-4.5139	1E+08
TEX53	-0.15481	0.15481	0.09378	-1.9656	0.069926	0.23212	-4.514	1.05E+08
GJA1	70.106	70.106	119.71	1.9652	0.06997	0.23222	-4.5146	2697

GP6	-0.15573	0.15573	0.24779	-1.9649	0.070014	0.23226	-4.5151	51206
CYP4Z1	-0.13591	0.13591	0.077465	-1.9648	0.070026	0.23226	-4.5153	199974
ZC3H4	-2.8353	2.8353	6.0755	-1.9647	0.070033	0.23226	-4.5154	23211
TLE1	-1.0102	1.0102	4.002	-1.9647	0.07004	0.23226	-4.5155	7088
ADIPOQ	-0.9841	0.9841	0.52566	-1.9643	0.070081	0.23226	-4.516	9370
CRY2	-3.8601	3.8601	6.8827	-1.9643	0.070081	0.23226	-4.516	1408
CDCP1	8.5994	8.5994	12.393	1.9643	0.070083	0.23226	-4.516	64866
ADCY7	2.268	2.268	6.0552	1.9642	0.070093	0.23226	-4.5161	113
PFDN4	0.99888	0.99888	1.8228	1.9637	0.070162	0.23245	-4.517	5203
KDM1B	1.7871	1.7871	4.6031	1.9632	0.070223	0.23255	-4.5177	221656
FAM126B	0.66205	0.66205	2.5529	1.9631	0.070235	0.23255	-4.5179	285172
LIPT1	-0.27292	0.27292	0.63934	-1.9631	0.07024	0.23255	-4.5179	51601
CYSLTR1	-0.19977	0.19977	0.33677	-1.963	0.07025	0.23255	-4.5181	10800
XIAP	0.84881	0.84881	3.9005	1.9629	0.070265	0.23256	-4.5182	331
TAF9	3.3218	3.3218	7.3008	1.9624	0.07032	0.23268	-4.5189	6880
GAS6-AS1	-0.36997	0.36997	0.42258	-1.9624	0.070328	0.23268	-4.519	650669
SH3D19	2.8016	2.8016	10.992	1.9621	0.070365	0.23275	-4.5195	152503
ATP6V1E1	9.0463	9.0463	23.574	1.9616	0.070427	0.23286	-4.5202	529
MAOB	-5.8779	5.8779	4.0769	-1.9615	0.070437	0.23286	-4.5204	4129
TRIP4	1.926	1.926	5.5674	1.9614	0.070453	0.23286	-4.5206	9325
RNF220	-1.439	1.439	4.7048	-1.9614	0.070455	0.23286	-4.5206	55182
ITGA4	0.62651	0.62651	0.83091	1.9612	0.070477	0.23286	-4.5209	3676
EMID1	-1.6482	1.6482	1.6401	-1.9612	0.070481	0.23286	-4.5209	129080
LINC02603	-0.87214	0.87214	2.0905	-1.9604	0.070575	0.23313	-4.5221	158257
MAP2K3	6.1347	6.1347	13.882	1.9595	0.070692	0.23346	-4.5235	5606
PIP	-22.864	22.864	12.269	-1.9594	0.070704	0.23346	-4.5237	5304

ADPRM	-0.51495	0.51495	1.5007	-1.9591	0.070743	0.23355	-4.5242	56985
LGALS7	455.5	455.5	281.67	1.9585	0.070823	0.23376	-4.5251	3963
PACRG	-0.14235	0.14235	0.16833	-1.9582	0.070856	0.23383	-4.5255	135138
SS18L1	-0.59911	0.59911	2.5023	-1.958	0.070886	0.23385	-4.5259	26039
TMEM159	-2.6899	2.6899	8.8689	-1.958	0.07089	0.23385	-4.5259	57146
C1orf116	9.3273	9.3273	15.392	1.9578	0.070916	0.23389	-4.5263	79098
SEMA3C	5.6912	5.6912	12.779	1.9569	0.071024	0.2342	-4.5276	10512
LOC102723313	-0.2081	0.2081	0.48522	-1.9568	0.071042	0.23421	-4.5278	1.03E+08
PSENE1	5.1707	5.1707	10.273	1.9564	0.071086	0.23431	-4.5284	55851
NEURL4	-1.1966	1.1966	2.622	-1.956	0.071143	0.23445	-4.5291	84461
ZNF414	-1.0721	1.0721	3.195	-1.9558	0.071166	0.23448	-4.5293	84330
LEMD1	0.38131	0.38131	0.39107	1.9557	0.071184	0.23448	-4.5296	93273
STYX	1.0255	1.0255	3.2421	1.9556	0.071194	0.23448	-4.5297	6815
METAP1	2.4989	2.4989	8.6019	1.955	0.071271	0.23465	-4.5306	23173
ZNF677	-0.13504	0.13504	0.27337	-1.9549	0.071282	0.23465	-4.5308	342926
SAMD8	0.8512	0.8512	3.0942	1.9548	0.071296	0.23465	-4.5309	142891
GPM6B	1.2904	1.2904	1.7327	1.9548	0.071301	0.23465	-4.531	2824
EID2	1.2916	1.2916	3.1225	1.9541	0.071391	0.23491	-4.5321	163126
TMEM99	-0.69016	0.69016	1.3576	-1.9538	0.071425	0.23493	-4.5325	147184
MYH10	2.1689	2.1689	6.2918	1.9538	0.071427	0.23493	-4.5325	4628
RAB43	-1.4745	1.4745	2.3677	-1.9531	0.071513	0.23517	-4.5336	339122
HACD2	1.7232	1.7232	5.5535	1.953	0.071531	0.23518	-4.5338	201562
ZNF441	-0.47827	0.47827	0.89765	-1.9528	0.071554	0.23521	-4.5341	126068
ENO4	-0.1456	0.1456	0.14503	-1.9525	0.071587	0.23527	-4.5345	387712
COX5A	14.015	14.015	28.094	1.9523	0.071619	0.23529	-4.5349	9377
PLSCR4	-2.2689	2.2689	4.1143	-1.9523	0.071621	0.23529	-4.5349	57088

PCSK6	2.9556	2.9556	3.6108	1.9522	0.071632	0.23529	-4.535	5046
SNORD15B	-1.8382	1.8382	3.0985	-1.9515	0.07172	0.2355	-4.5361	114599
TMEM268	-0.68578	0.68578	1.4935	-1.9515	0.071727	0.2355	-4.5362	203197
HIC2	-0.22922	0.22922	0.58345	-1.9508	0.071812	0.23573	-4.5372	23119
OSR2	-2.1141	2.1141	2.6789	-1.9507	0.071823	0.23573	-4.5373	116039
TRIM41	-1.9784	1.9784	4.616	-1.9505	0.071851	0.23578	-4.5377	90933
ETV6	-2.5054	2.5054	7.2053	-1.9503	0.07188	0.23583	-4.538	2120
SLC2A9	2.1337	2.1337	3.3022	1.9499	0.071932	0.23594	-4.5386	56606
CALCOCO1	-7.4908	7.4908	16.619	-1.9498	0.071944	0.23594	-4.5388	57658
TUBB6	20.927	20.927	29.747	1.9495	0.071977	0.23596	-4.5392	84617
PVRIG	-0.79998	0.79998	1.0637	-1.9494	0.071991	0.23596	-4.5394	79037
TXNDC17	7.9859	7.9859	10.506	1.9493	0.07201	0.23596	-4.5396	84817
CTTNBP2NL	2.1284	2.1284	7.9058	1.9493	0.072011	0.23596	-4.5396	55917
MPND	-1.065	1.065	2.5863	-1.9491	0.07203	0.23596	-4.5398	84954
SLC38A2	20.304	20.304	51.583	1.9491	0.072035	0.23596	-4.5399	54407
CPZ	-1.688	1.688	1.7873	-1.9488	0.072068	0.23596	-4.5403	8532
SCGB2A1	-0.36967	0.36967	0.22034	-1.9487	0.072079	0.23596	-4.5404	4246
ZHX1-C8orf76	-0.49622	0.49622	0.94065	-1.9487	0.072087	0.23596	-4.5405	1.01E+08
HIF1A-AS2	0.25543	0.25543	0.32448	1.9487	0.072089	0.23596	-4.5405	1.01E+08
SNORA80A	-1.2336	1.2336	1.4356	-1.9482	0.072148	0.23611	-4.5412	677846
HSD17B1	1.0077	1.0077	1.8038	1.9478	0.072196	0.23617	-4.5418	3292
CHCHD1	3.9286	3.9286	7.0973	1.9478	0.072199	0.23617	-4.5419	118487
TIMM8B	9.0935	9.0935	12.212	1.9477	0.07221	0.23617	-4.542	26521
SLC44A1	2.1083	2.1083	7.1115	1.9474	0.072255	0.23627	-4.5425	23446
VPS37C	-2.0001	2.0001	6.7774	-1.947	0.072306	0.23634	-4.5432	55048
CNTNAP3B	-0.68475	0.68475	1.2785	-1.947	0.072308	0.23634	-4.5432	728577

LOC107984974	-0.15834	0.15834	0.37177	-1.9468	0.072327	0.23634	-4.5434	1.08E+08
PRELID2	-0.19661	0.19661	0.42665	-1.9468	0.072332	0.23634	-4.5435	153768
CYP2T1P	-0.61668	0.61668	1.0236	-1.9466	0.072356	0.23638	-4.5438	171523
CFTR	-0.58768	0.58768	0.42028	-1.9462	0.072408	0.2365	-4.5444	1080
B4GALT4	1.0063	1.0063	3.4662	1.9458	0.072456	0.23661	-4.545	8702
LOC101928446	-0.16989	0.16989	0.22355	-1.9454	0.072512	0.2367	-4.5456	1.02E+08
BMP7-AS1	-0.19514	0.19514	0.1793	-1.9454	0.072513	0.2367	-4.5456	1.03E+08
LINC00641	-1.0707	1.0707	2.2892	-1.9448	0.072595	0.23693	-4.5466	283624
MTPAP	-0.60512	0.60512	2.546	-1.9444	0.072648	0.23705	-4.5473	55149
SKA2	1.1114	1.1114	2.1507	1.944	0.072694	0.23716	-4.5478	348235
ARGLU1	-4.5826	4.5826	18.171	-1.9437	0.072739	0.23726	-4.5483	55082
RTN2	0.77912	0.77912	1.8893	1.9434	0.072767	0.23729	-4.5487	6253
ACOT9	1.3175	1.3175	3.1152	1.9434	0.072778	0.23729	-4.5488	23597
CD81-AS1	-0.15977	0.15977	0.1738	-1.9432	0.072806	0.23729	-4.5491	1.02E+08
LOC101928119	-0.39842	0.39842	0.73286	-1.943	0.072822	0.23729	-4.5493	1.02E+08
SEC16B	-0.20676	0.20676	0.34003	-1.943	0.072823	0.23729	-4.5493	89866
CENPP	-0.70584	0.70584	1.7935	-1.9429	0.072833	0.23729	-4.5495	401541
ZNF34	-0.31562	0.31562	0.94918	-1.9427	0.072861	0.2373	-4.5498	80778
SPIRE2	-0.28396	0.28396	0.49601	-1.9425	0.072886	0.2373	-4.5501	84501
PRKAR2A	2.5164	2.5164	8.3626	1.9425	0.072891	0.2373	-4.5502	5576
LOC100286922	-0.17598	0.17598	0.10075	-1.9423	0.072917	0.2373	-4.5505	1E+08
CLMP	2.9953	2.9953	4.5192	1.9421	0.07294	0.2373	-4.5507	79827
RAI14	2.8521	2.8521	4.3994	1.9421	0.072943	0.2373	-4.5508	26064
WDR92	-0.36426	0.36426	1.4206	-1.9421	0.07295	0.2373	-4.5509	116143
LRRC56	-0.60294	0.60294	0.80929	-1.942	0.072955	0.2373	-4.5509	115399
TLK1	1.3898	1.3898	5.9425	1.9417	0.072996	0.2373	-4.5514	9874

SRF	3.9746	3.9746	9.0654	1.9417	0.073002	0.2373	-4.5515	6722
MAD1L1	-1.162	1.162	2.6554	-1.9416	0.073003	0.2373	-4.5515	8379
TP53RK	0.77459	0.77459	2.8693	1.9416	0.073014	0.2373	-4.5516	112858
TRIOBP	-1.0264	1.0264	3.6429	-1.9415	0.073017	0.2373	-4.5517	11078
NRF1	-0.36329	0.36329	2.105	-1.9411	0.07307	0.23742	-4.5523	4899
ZBTB4	-3.253	3.253	12.436	-1.941	0.073088	0.23743	-4.5525	57659
RNF139-AS1	-0.1594	0.1594	0.21737	-1.9402	0.073197	0.23769	-4.5538	1.02E+08
PHACTR4	1.6979	1.6979	6.8749	1.9399	0.073239	0.23769	-4.5543	65979
CAPN14	-0.13302	0.13302	0.13858	-1.9397	0.073258	0.23769	-4.5545	440854
MRGPRX3	-0.99315	0.99315	1.4939	-1.9397	0.073259	0.23769	-4.5545	117195
GALNT14	-0.38753	0.38753	0.71653	-1.9397	0.073262	0.23769	-4.5546	79623
BCKDK	9.1939	9.1939	15.391	1.9397	0.073263	0.23769	-4.5546	10295
LOC91450	-0.45103	0.45103	0.61907	-1.9395	0.073292	0.23769	-4.5549	91450
MSX2	1.0231	1.0231	1.7951	1.9394	0.073299	0.23769	-4.555	4488
C21orf62-AS1	-0.16389	0.16389	0.17007	-1.9393	0.073315	0.23769	-4.5552	54067
SDC4	-10.235	10.235	25.659	-1.9392	0.073319	0.23769	-4.5552	6385
TLDC2	-0.21257	0.21257	0.303	-1.9392	0.073323	0.23769	-4.5553	140711
ZNF354A	0.58175	0.58175	1.7644	1.9385	0.073415	0.23795	-4.5564	6940
RAMP1	-0.74617	0.74617	0.94198	-1.9381	0.073464	0.238	-4.557	10267
HLA-E	-6.9968	6.9968	17.071	-1.938	0.073481	0.238	-4.5572	3133
CLDN17	2.8889	2.8889	2.2676	1.9378	0.073505	0.238	-4.5574	26285
RHOJ	1.9277	1.9277	3.0865	1.9378	0.07351	0.238	-4.5575	57381
AHNAK	-58.998	58.998	223.83	-1.9378	0.073513	0.238	-4.5575	79026
OLR1	0.36812	0.36812	0.19725	1.9377	0.073525	0.238	-4.5577	4973
TET3	-2.7189	2.7189	7.5124	-1.9375	0.07355	0.238	-4.558	200424
FAM83C-AS1	0.31257	0.31257	0.35739	1.9375	0.073552	0.238	-4.558	140846

EVA1A	0.98733	0.98733	0.93999	1.9374	0.073558	0.238	-4.5581	84141
NDUFB4	7.4386	7.4386	16.268	1.9372	0.073584	0.238	-4.5584	4710
ZSWIM4	1.774	1.774	4.1222	1.9371	0.073601	0.238	-4.5586	65249
RCAN2	-1.4376	1.4376	1.9664	-1.9371	0.073602	0.238	-4.5586	10231
TGFB1	8.2468	8.2468	16.24	1.937	0.073615	0.238	-4.5587	7040
MAPK1	4.0573	4.0573	14.277	1.9366	0.073664	0.23811	-4.5593	5594
TMEM19	-1.6102	1.6102	4.7437	-1.9363	0.073703	0.23814	-4.5598	55266
PHTF2	0.64276	0.64276	1.7143	1.9363	0.073707	0.23814	-4.5598	57157
ATP6V1H	2.6992	2.6992	7.5035	1.9362	0.073717	0.23814	-4.5599	51606
KIAA0232	0.95814	0.95814	3.8478	1.9361	0.073731	0.23814	-4.5601	9778
MFN2	-5.1016	5.1016	16.594	-1.936	0.073744	0.23814	-4.5603	9927
SOGA1	-1.4806	1.4806	4.5029	-1.9359	0.073757	0.23814	-4.5604	140710
FAAH2	-1.2711	1.2711	2.2528	-1.9357	0.073784	0.23818	-4.5607	158584
MAP3K20	2.1237	2.1237	4.7955	1.9342	0.073984	0.23878	-4.5631	51776
REEP2	-0.2209	0.2209	0.23674	-1.9339	0.07402	0.23885	-4.5635	51308
AK6	1.1732	1.1732	2.2196	1.9337	0.07405	0.23887	-4.5638	1.02E+08
DKK4	0.49831	0.49831	0.33739	1.9337	0.074053	0.23887	-4.5639	27121
PTER	-0.54512	0.54512	1.384	-1.9336	0.074073	0.23888	-4.5641	9317
PURA	-0.54946	0.54946	3.7375	-1.9334	0.074098	0.23888	-4.5644	5813
SNRK-AS1	-0.31568	0.31568	0.50988	-1.9333	0.0741	0.23888	-4.5644	1.01E+08
AASDHPPT	1.2788	1.2788	4.1187	1.9331	0.074131	0.23894	-4.5648	60496
SDR42E1	-2.4352	2.4352	5.5282	-1.9326	0.074198	0.23911	-4.5656	93517
SCAF4	-1.2466	1.2466	6.3059	-1.9321	0.074269	0.23929	-4.5664	57466
TJAP1	-1.0888	1.0888	2.3925	-1.9318	0.074301	0.23929	-4.5668	93643
FAM13A-AS1	-0.92264	0.92264	1.3826	-1.9318	0.074301	0.23929	-4.5668	285512
ZDHHC24	-0.63993	0.63993	1.7869	-1.9318	0.07431	0.23929	-4.5669	254359

C1QTNF6	6.9429	6.9429	6.435	1.9315	0.07434	0.23934	-4.5672	114904
TMEM185A	2.2431	2.2431	5.8678	1.9313	0.074369	0.23938	-4.5676	84548
KLHL12	-1.0956	1.0956	3.5868	-1.9309	0.074422	0.23942	-4.5682	59349
C5	-0.19856	0.19856	0.37406	-1.9309	0.074427	0.23942	-4.5683	727
CD300LF	0.33419	0.33419	0.25552	1.9308	0.074435	0.23942	-4.5683	146722
HINT1	22.349	22.349	37.436	1.9308	0.074437	0.23942	-4.5684	3094
PRR9	16.967	16.967	8.7046	1.9307	0.074456	0.23944	-4.5686	574414
SLC22A3	-0.78778	0.78778	2.3787	-1.9304	0.074491	0.23945	-4.569	6581
LCNL1	-0.31146	0.31146	0.22585	-1.9304	0.074493	0.23945	-4.569	401562
RYBP	1.4081	1.4081	4.0096	1.9302	0.074515	0.23945	-4.5693	23429
MTF1	1.8134	1.8134	4.8166	1.9302	0.074518	0.23945	-4.5693	4520
LOC105373338	-0.14579	0.14579	0.13596	-1.9296	0.074599	0.23963	-4.5703	1.05E+08
DUSP28	-0.46274	0.46274	0.9518	-1.9296	0.074603	0.23963	-4.5703	285193
DSG1-AS1	1.3631	1.3631	2.6097	1.9281	0.0748	0.24016	-4.5726	1.02E+08
FIBIN	-1.0796	1.0796	1.7487	-1.928	0.074809	0.24016	-4.5727	387758
TTC28	-1.0489	1.0489	2.1344	-1.9279	0.074832	0.24016	-4.573	23331
CNTROB	-1.1622	1.1622	3.0374	-1.9277	0.074849	0.24016	-4.5732	116840
SVOPL	-0.14163	0.14163	0.095904	-1.9273	0.07491	0.24016	-4.5739	136306
RRNAD1	-1.5792	1.5792	3.1851	-1.9272	0.074919	0.24016	-4.574	51093
IPCEF1	-0.16885	0.16885	0.27715	-1.9271	0.07493	0.24016	-4.5741	26034
SLC22A23	5.3	5.3	12.444	1.9271	0.07494	0.24016	-4.5742	63027
CDH1	22.842	22.842	47.161	1.927	0.074942	0.24016	-4.5742	999
PARP3	-0.84826	0.84826	1.8682	-1.927	0.074952	0.24016	-4.5744	10039
TTLL1	-0.52158	0.52158	1.2756	-1.9269	0.074963	0.24016	-4.5745	25809
PCSK1N	-0.7386	0.7386	0.67767	-1.9268	0.074974	0.24016	-4.5746	27344
PDGFD	-1.7849	1.7849	2.1468	-1.9268	0.074976	0.24016	-4.5746	80310

ICA1	-0.54667	0.54667	1.1917	-1.9267	0.074988	0.24016	-4.5748	3382
TMPRSS11D	6.5379	6.5379	5.6753	1.9266	0.074999	0.24016	-4.5749	9407
CDK8	0.65941	0.65941	2.6909	1.9266	0.075004	0.24016	-4.575	1024
RGS1	1.3584	1.3584	1.3492	1.9266	0.075007	0.24016	-4.575	5996
NT5M	-0.31954	0.31954	0.36168	-1.9258	0.075113	0.24042	-4.5762	56953
CYP2W1	-0.61463	0.61463	0.43228	-1.9257	0.075119	0.24042	-4.5763	54905
STRIP1	1.7668	1.7668	6.9087	1.9254	0.075163	0.24046	-4.5768	85369
STEAP1B	0.86084	0.86084	0.89965	1.9254	0.075169	0.24046	-4.5769	256227
SCAMP2	7.1883	7.1883	21.629	1.9253	0.075172	0.24046	-4.5769	10066
LANCL1-AS1	-0.15452	0.15452	0.18046	-1.9251	0.075203	0.24051	-4.5773	1.03E+08
PPP1R16A	-1.1086	1.1086	2.8288	-1.9249	0.075228	0.24054	-4.5775	84988
LOC100130075	-0.14323	0.14323	0.09524	-1.9248	0.075251	0.24057	-4.5778	1E+08
ANGPT2	0.78659	0.78659	1.3289	1.9235	0.075424	0.24105	-4.5798	285
PAK3	-0.13968	0.13968	0.13848	-1.9234	0.075429	0.24105	-4.5799	5063
RPUSD4	-0.91555	0.91555	3.272	-1.9231	0.075476	0.24115	-4.5804	84881
MLLT1	-3.2189	3.2189	8.3682	-1.9227	0.075527	0.24127	-4.581	4298
SPEF2	-0.13461	0.13461	0.1541	-1.9224	0.075575	0.24138	-4.5815	79925
INTS3	-1.7516	1.7516	5.8157	-1.9221	0.075608	0.24144	-4.5819	65123
DBI	38.459	38.459	49.649	1.9219	0.075634	0.24146	-4.5822	1622
MRPL50	2.329	2.329	4.8401	1.9219	0.075643	0.24146	-4.5823	54534
RBP4	-0.66415	0.66415	0.47994	-1.9217	0.075669	0.2415	-4.5826	5950
TRAM1	4.7033	4.7033	11.711	1.9214	0.075702	0.24154	-4.583	23471
LOC101928118	-0.15441	0.15441	0.21993	-1.9214	0.07571	0.24154	-4.5831	1.02E+08
FAM193B	-3.2222	3.2222	7.8039	-1.9211	0.075739	0.24158	-4.5834	54540
USP20	-1.0719	1.0719	2.9418	-1.921	0.075754	0.24159	-4.5836	10868
STX12	5.0522	5.0522	9.4012	1.9208	0.075783	0.24163	-4.5839	23673

TRIM44	-2.0859	2.0859	6.3806	-1.9207	0.075804	0.24165	-4.5841	54765
GLIPR1L2	-0.12169	0.12169	0.1233	-1.9202	0.075873	0.24181	-4.5849	144321
LOC100289230	-0.20663	0.20663	0.38423	-1.9201	0.075883	0.24181	-4.585	1E+08
DUSP6	5.5909	5.5909	9.4476	1.9198	0.075918	0.24188	-4.5854	1848
LIN28A	-0.14522	0.14522	0.13051	-1.9196	0.075949	0.24193	-4.5858	79727
MT1G	-4.9792	4.9792	3.9386	-1.9189	0.076038	0.24217	-4.5868	4495
ANKRD53	-0.13028	0.13028	0.15948	-1.9185	0.076101	0.24233	-4.5875	79998
FOXC2	-0.23987	0.23987	0.30619	-1.9184	0.076116	0.24233	-4.5877	2303
ZNF8-ERVK3-1	-0.26744	0.26744	0.58734	-1.9181	0.07615	0.24239	-4.5881	1.09E+08
PTK2B	-1.0701	1.0701	4.0981	-1.9161	0.076423	0.24311	-4.5912	2185
UBXN2A	1.7952	1.7952	4.7963	1.9161	0.076423	0.24311	-4.5912	165324
TTY14	0.60887	0.60887	1.2843	1.916	0.076439	0.24311	-4.5914	83869
GREM1	9.3857	9.3857	8.1488	1.916	0.076446	0.24311	-4.5915	26585
DERA	3.247	3.247	7.367	1.916	0.076447	0.24311	-4.5915	51071
SNORA87	-0.46785	0.46785	0.71252	-1.9151	0.076569	0.24345	-4.5928	1.07E+08
VTA1	1.7944	1.7944	4.6681	1.9147	0.076624	0.24358	-4.5935	51534
LAT2	0.88071	0.88071	1.67	1.9141	0.0767	0.24377	-4.5943	7462
PSMC4	4.8021	4.8021	14.325	1.914	0.07672	0.24379	-4.5945	5704
SCGB2B3P	-0.17829	0.17829	0.15434	-1.9137	0.076758	0.24383	-4.595	1E+08
ZNF530	-0.1745	0.1745	0.40728	-1.9137	0.076761	0.24383	-4.595	348327
OASL	7.2263	7.2263	4.8768	1.9136	0.076774	0.24383	-4.5952	8638
TNFAIP8L2-SCNM1	0.40693	0.40693	0.80457	1.9134	0.0768	0.24386	-4.5954	1.01E+08
LINC01410	-0.14964	0.14964	0.21977	-1.9132	0.076825	0.24389	-4.5957	1.03E+08
LOC100289561	-1.0201	1.0201	2.2246	-1.9131	0.07684	0.2439	-4.5959	1E+08
GFPT2	2.0591	2.0591	2.7668	1.9126	0.076906	0.24406	-4.5966	9945
MYCL	-2.3861	2.3861	4.2094	-1.9116	0.077048	0.24447	-4.5982	4610

SEC61A2	-0.35582	0.35582	0.91699	-1.9113	0.077089	0.24448	-4.5987	55176
KRCC1	1.8989	1.8989	3.7821	1.9112	0.077096	0.24448	-4.5988	51315
LINC00863	-0.50061	0.50061	2.0874	-1.911	0.077133	0.24448	-4.5992	439994
FXN	-0.1855	0.1855	0.50501	-1.911	0.077133	0.24448	-4.5992	2395
GIPC1	23.33	23.33	46.193	1.9109	0.077136	0.24448	-4.5992	10755
KRT73-AS1	-0.55601	0.55601	0.36281	-1.9108	0.077148	0.24448	-4.5994	1E+08
NMNAT1	0.31146	0.31146	1.0785	1.9108	0.077154	0.24448	-4.5994	64802
MPPE1	-0.63775	0.63775	3.102	-1.9106	0.07718	0.24452	-4.5997	65258
ARHGAP33	-0.64933	0.64933	1.0761	-1.9103	0.077226	0.24462	-4.6002	115703
SGPL1	5.1084	5.1084	14.114	1.9101	0.077246	0.24463	-4.6005	8879
INSYN2B	-0.21829	0.21829	0.37493	-1.9099	0.077279	0.24469	-4.6008	1E+08
NECTIN2	3.3155	3.3155	8.6302	1.9091	0.077391	0.24496	-4.6021	5819
LOC100133050	-0.15514	0.15514	0.19662	-1.9091	0.077394	0.24496	-4.6021	1E+08
NMB	1.9337	1.9337	2.7382	1.9087	0.077451	0.2451	-4.6028	4828
PLPP2	-2.7459	2.7459	6.7651	-1.9084	0.077491	0.24515	-4.6032	8612
HTR7P1	-0.2407	0.2407	0.60956	-1.9083	0.077497	0.24515	-4.6033	93164
NARS2	-0.57068	0.57068	2.1648	-1.9082	0.077514	0.24516	-4.6035	79731
STX2	0.83231	0.83231	1.629	1.9078	0.077564	0.24524	-4.604	2054
LOC100129931	-0.13824	0.13824	0.19474	-1.9077	0.077579	0.24524	-4.6042	1E+08
EIF5	7.2741	7.2741	17.667	1.9077	0.077583	0.24524	-4.6042	1983
SLC44A2	9.2688	9.2688	27.578	1.9074	0.07762	0.24528	-4.6046	57153
LOC102724064	-0.39658	0.39658	0.76822	-1.9074	0.077624	0.24528	-4.6047	1.03E+08
AMH	-0.15162	0.15162	0.1606	-1.9072	0.077653	0.24531	-4.605	268
FOXN3-AS2	-0.63836	0.63836	0.71834	-1.9071	0.077664	0.24531	-4.6051	29018
HAS3	7.8688	7.8688	8.8963	1.9069	0.077694	0.24536	-4.6055	3038
MST1R	-1.9721	1.9721	4.478	-1.9067	0.077727	0.24539	-4.6058	4486

SCARNA4	-0.15139	0.15139	0.080741	-1.9066	0.077732	0.24539	-4.6059	677771
DOP1A	-1.4566	1.4566	4.0299	-1.9064	0.077766	0.24544	-4.6063	23033
MTM1	0.95204	0.95204	3.0382	1.9063	0.077776	0.24544	-4.6064	4534
PSMA1	5.2469	5.2469	12.755	1.9061	0.077812	0.24551	-4.6068	5682
MBD5	-0.37786	0.37786	1.305	-1.9058	0.077843	0.24556	-4.6071	55777
KPNA4	2.2722	2.2722	6.8539	1.9055	0.077887	0.24565	-4.6076	3840
LOC101928417	-0.18752	0.18752	0.29482	-1.905	0.077965	0.2457	-4.6085	1.02E+08
LINC01551	-4.7291	4.7291	8.4658	-1.9048	0.077991	0.2457	-4.6088	387978
PLPP3	-8.8995	8.8995	17.956	-1.9047	0.078006	0.2457	-4.6089	8613
LOC100130548	-0.34521	0.34521	0.46198	-1.9046	0.078009	0.2457	-4.609	1E+08
CXCL3	1.7394	1.7394	1.3786	1.9046	0.078019	0.2457	-4.6091	2921
SURF4	11.614	11.614	28.122	1.9045	0.078025	0.2457	-4.6091	6836
TACR2	-0.16482	0.16482	0.26768	-1.9044	0.07804	0.2457	-4.6093	6865
ADGRL1	-1.1864	1.1864	3.836	-1.9043	0.078054	0.2457	-4.6095	22859
ZCCHC4	-0.25824	0.25824	1.1431	-1.9043	0.078061	0.2457	-4.6095	29063
HRAT92	-0.13012	0.13012	0.13091	-1.904	0.078091	0.2457	-4.6099	441307
IKZF5	-0.49752	0.49752	1.798	-1.904	0.078095	0.2457	-4.6099	64376
GUCY1B1	1.6957	1.6957	1.8389	1.904	0.078105	0.2457	-4.61	2983
LOC100240735	-0.15586	0.15586	0.14612	-1.9039	0.078107	0.2457	-4.6101	1E+08
BEX3	11.193	11.193	17.566	1.9039	0.078119	0.2457	-4.6102	27018
LIN7C	1.6485	1.6485	5.3973	1.9037	0.078135	0.2457	-4.6104	55327
NIFK	3.0429	3.0429	6.6106	1.9037	0.078136	0.2457	-4.6104	84365
SP2-AS1	-0.20217	0.20217	0.45475	-1.9033	0.078191	0.24575	-4.611	1.01E+08
HES5	2.7772	2.7772	3.4916	1.9033	0.078193	0.24575	-4.611	388585
NPNT	0.48513	0.48513	1.556	1.9033	0.078195	0.24575	-4.611	255743
ARL15	0.94529	0.94529	2.7717	1.9028	0.078272	0.24595	-4.6119	54622

MST1L	-0.16404	0.16404	0.13386	-1.902	0.078373	0.24622	-4.613	11223
SLC9A7	-0.31988	0.31988	0.81865	-1.9018	0.078409	0.24628	-4.6134	84679
VPS37B	4.9904	4.9904	10.64	1.9016	0.078439	0.24633	-4.6137	79720
KIAA1522	-5.8843	5.8843	18.574	-1.9013	0.078472	0.24639	-4.6141	57648
GALNT5	0.76521	0.76521	0.63908	1.9011	0.078503	0.24644	-4.6144	11227
CBLC	5.1514	5.1514	12.593	1.9005	0.078593	0.24668	-4.6154	23624
TRIM23	0.51223	0.51223	1.8004	1.9003	0.078617	0.24671	-4.6157	373
RBM14-RBM4	-0.80154	0.80154	2.2867	-1.9001	0.078645	0.24674	-4.616	1.01E+08
NPFF	-0.61844	0.61844	1.2327	-1.9	0.078657	0.24674	-4.6161	8620
EPB41L4B	1.613	1.613	2.5946	1.8998	0.078681	0.24677	-4.6164	54566
NDFIP2	4.2207	4.2207	10.362	1.8994	0.078741	0.24691	-4.617	54602
CIDEC	-0.5458	0.5458	0.29109	-1.8991	0.078785	0.24701	-4.6175	63924
MGST2	-2.8387	2.8387	8.1078	-1.899	0.078801	0.24701	-4.6177	4258
LOC102467081	-0.45493	0.45493	0.65041	-1.8986	0.078849	0.24712	-4.6182	1.02E+08
CLDN18	-0.20396	0.20396	0.25029	-1.8983	0.078893	0.24714	-4.6187	51208
UCN2	1.6398	1.6398	2.5732	1.8983	0.078898	0.24714	-4.6188	90226
CDH22	-0.16377	0.16377	0.12567	-1.8982	0.078916	0.24714	-4.619	64405
SLC12A9-AS1	-0.20022	0.20022	0.28694	-1.8982	0.078917	0.24714	-4.619	1.05E+08
ILF3	-3.7373	3.7373	14.444	-1.8979	0.07895	0.2472	-4.6193	3609
ABCC10	-0.86216	0.86216	2.3577	-1.8976	0.078991	0.24726	-4.6198	89845
FLRT1	-0.63293	0.63293	0.55076	-1.8976	0.078998	0.24726	-4.6198	23769
PPIE	-0.64727	0.64727	2.4353	-1.8962	0.079195	0.24783	-4.622	10450
C1orf43	6.9894	6.9894	19.946	1.896	0.079228	0.24789	-4.6224	25912
SNORA52	-0.83061	0.83061	1.693	-1.8958	0.079251	0.24791	-4.6226	619565
CALD1	12.525	12.525	22.006	1.8957	0.079266	0.24792	-4.6228	800
LOC105378933	-0.14733	0.14733	0.097404	-1.8952	0.079331	0.24807	-4.6235	1.05E+08

PDK2	-0.9893	0.9893	3.1033	-1.895	0.07936	0.24812	-4.6238	5164
TTYH3	9.0214	9.0214	14.125	1.8947	0.079409	0.24818	-4.6243	80727
FAM172A	-0.58511	0.58511	2.5779	-1.8944	0.079441	0.24818	-4.6247	83989
RASA2	0.86473	0.86473	2.9188	1.8944	0.079449	0.24818	-4.6248	5922
SYNPO2	-2.7122	2.7122	4.3807	-1.8943	0.079459	0.24818	-4.6249	171024
ERMARD	-0.71223	0.71223	2.9436	-1.8943	0.079469	0.24818	-4.625	55780
ZNF316	-1.8829	1.8829	3.2198	-1.8941	0.079484	0.24818	-4.6251	1E+08
LINC00092	-0.14203	0.14203	0.141	-1.8941	0.079487	0.24818	-4.6252	1E+08
CLIC5	-0.21175	0.21175	0.21463	-1.8939	0.079513	0.24818	-4.6255	53405
NYAP1	-0.13752	0.13752	0.1371	-1.8939	0.079522	0.24818	-4.6256	222950
CTXND1	-0.11801	0.11801	0.073951	-1.8938	0.079528	0.24818	-4.6256	1.01E+08
SUPV3L1	-0.74723	0.74723	2.8052	-1.8934	0.079591	0.24829	-4.6263	6832
FPR3	3.8455	3.8455	4.1149	1.8934	0.079592	0.24829	-4.6263	2359
SUB1	5.8465	5.8465	10.191	1.8932	0.079623	0.24829	-4.6267	10923
JKAMP	1.623	1.623	3.5361	1.8931	0.079634	0.24829	-4.6268	51528
MSL1	-1.2556	1.2556	7.7608	-1.8931	0.079636	0.24829	-4.6268	339287
IGIP	-0.68024	0.68024	2.2011	-1.8927	0.079683	0.24839	-4.6273	492311
LRRC14	-1.0828	1.0828	2.6257	-1.8923	0.079749	0.24847	-4.628	9684
KRT2	-720.29	720.29	517.84	-1.8922	0.079758	0.24847	-4.6281	3849
COPS9	5.3885	5.3885	11.386	1.8922	0.079763	0.24847	-4.6282	150678
PELO	1.1428	1.1428	3.4462	1.8921	0.079768	0.24847	-4.6282	53918
ZNF333	-0.28853	0.28853	0.72159	-1.8917	0.079826	0.24852	-4.6289	84449
ARHGEF34P	-2.5308	2.5308	5.3976	-1.8917	0.079837	0.24852	-4.629	728377
FKBP1AP1	-0.69702	0.69702	1.231	-1.8916	0.07984	0.24852	-4.629	2282
LINC00520	0.17297	0.17297	0.12469	1.8916	0.079848	0.24852	-4.6291	645687
TACSTD2	63.772	63.772	104.71	1.8915	0.079858	0.24852	-4.6292	4070

RIPK3	1.0695	1.0695	3.3348	1.8912	0.079903	0.24861	-4.6297	11035
SLC6A10P	-0.27254	0.27254	0.22807	-1.8911	0.079917	0.24861	-4.6298	386757
OR5P3	-0.38024	0.38024	0.5343	-1.8905	0.080007	0.24885	-4.6308	120066
PAMR1	-1.3107	1.3107	1.0089	-1.8899	0.080086	0.24905	-4.6317	25891
SCOC	1.694	1.694	4.2673	1.8898	0.080108	0.24907	-4.6319	60592
C5orf63	-0.15642	0.15642	0.28134	-1.8897	0.080121	0.24907	-4.632	401207
MORN2	1.1468	1.1468	2.5143	1.8892	0.080181	0.24921	-4.6327	729967
SMYD5	-1.5341	1.5341	3.715	-1.8889	0.080233	0.24932	-4.6333	10322
UBE2S	5.9803	5.9803	8.8224	1.8886	0.080279	0.24942	-4.6337	27338
MAGI1-IT1	-0.68811	0.68811	1.0729	-1.8882	0.080335	0.24955	-4.6343	151877
AP2S1	18.105	18.105	35.011	1.8877	0.080406	0.24969	-4.6351	1175
CIRBP-AS1	-0.43018	0.43018	1.0837	-1.8875	0.080426	0.24969	-4.6353	148046
AGPAT4	0.95922	0.95922	1.6309	1.8875	0.08043	0.24969	-4.6354	56895
TET1	-0.32977	0.32977	0.5628	-1.8874	0.080446	0.24969	-4.6355	80312
ZBTB21	0.72456	0.72456	2.568	1.8873	0.080455	0.24969	-4.6356	49854
ELMOD2	0.77752	0.77752	2.1586	1.887	0.080508	0.24981	-4.6362	255520
KIAA1191	3.538	3.538	13.34	1.8867	0.080541	0.24987	-4.6366	57179
ZNF594	-0.26074	0.26074	0.51225	-1.8866	0.080567	0.24987	-4.6368	84622
IRF2BP1	-1.7685	1.7685	4.6099	-1.8865	0.080572	0.24987	-4.6369	26145
HDAC5	-3.6195	3.6195	7.2665	-1.8862	0.080614	0.24995	-4.6373	10014
C5AR1	4.6819	4.6819	4.2793	1.8858	0.080668	0.25001	-4.6379	728
TBC1D16	-1.5141	1.5141	3.6513	-1.8858	0.080669	0.25001	-4.6379	125058
FICD	-0.24638	0.24638	1.0859	-1.8858	0.080677	0.25001	-4.638	11153
CCM2	4.7545	4.7545	8.5876	1.8851	0.080777	0.25028	-4.6391	83605
NFU1	2.1193	2.1193	4.208	1.8846	0.080854	0.25047	-4.6399	27247
TOPORS	0.92328	0.92328	3.6876	1.8844	0.080875	0.25049	-4.6401	10210

LOC105378367	-0.23142	0.23142	0.36338	-1.8842	0.080906	0.25054	-4.6405	1.05E+08
MANEA-DT	-0.17977	0.17977	0.25473	-1.8835	0.081013	0.25082	-4.6416	1.02E+08
UBE2V1	4.1724	4.1724	12.752	1.8831	0.081068	0.25095	-4.6422	7335
SMCO4	0.87036	0.87036	1.8707	1.8828	0.081107	0.25102	-4.6426	56935
NCOR2	-6.544	6.544	15.671	-1.8824	0.081172	0.25118	-4.6433	9612
PSMA6	13.639	13.639	27.34	1.8818	0.081258	0.2514	-4.6442	5687
PLPP4	0.32101	0.32101	0.30105	1.8816	0.081282	0.25143	-4.6445	196051
DNAJB11	4.0117	4.0117	9.8784	1.8814	0.081307	0.25146	-4.6447	51726
RNASEK-C17orf49	-0.64533	0.64533	1.1269	-1.8812	0.081345	0.25153	-4.6451	1.01E+08
WDR31	-0.16556	0.16556	0.5201	-1.8808	0.081395	0.25164	-4.6456	114987
LOC101929234	-0.14148	0.14148	0.2033	-1.8807	0.081417	0.25164	-4.6459	1.02E+08
LURAP1L	1.7958	1.7958	3.1667	1.8805	0.081443	0.25164	-4.6462	286343
RPL21P44	-0.34462	0.34462	0.71955	-1.8804	0.08145	0.25164	-4.6462	402176
GMFB	1.6826	1.6826	3.7278	1.8803	0.081464	0.25164	-4.6464	2764
GNAI1	3.1583	3.1583	8.6008	1.8802	0.081481	0.25164	-4.6466	2770
CYP2S1	1.291	1.291	1.5501	1.8801	0.081496	0.25164	-4.6467	29785
MTMR9	0.54741	0.54741	1.9209	1.8801	0.0815	0.25164	-4.6468	66036
OSGEPL1-AS1	-0.1374	0.1374	0.183	-1.8798	0.081546	0.25174	-4.6472	1.01E+08
FRY	-1.3484	1.3484	2.8564	-1.8788	0.081691	0.25214	-4.6488	10129
FAM107B	1.3895	1.3895	3.7146	1.8782	0.08178	0.25237	-4.6497	83641
TRMO	-0.59798	0.59798	3.0211	-1.8777	0.08184	0.25249	-4.6503	51531
IMPA1	0.71175	0.71175	1.4324	1.8775	0.081877	0.25249	-4.6507	3612
PRPSAP1	2.5271	2.5271	5.9848	1.8775	0.081877	0.25249	-4.6507	5635
KLK7	63.993	63.993	58.534	1.8775	0.081881	0.25249	-4.6508	5650
PANX1	4.2114	4.2114	8.1098	1.8771	0.081929	0.25256	-4.6513	24145
ZFP36L2	-8.7098	8.7098	32.994	-1.8771	0.081934	0.25256	-4.6513	678

ERP29	-4.5523	4.5523	16.984	-1.8766	0.082013	0.25276	-4.6522	10961
FABP7	-0.33593	0.33593	0.19388	-1.8764	0.082037	0.25279	-4.6524	2173
LINC01343	0.16238	0.16238	0.22895	1.8759	0.082104	0.25291	-4.6531	339442
MAPKAPK2	7.0617	7.0617	20.152	1.8759	0.082107	0.25291	-4.6531	9261
DHRS13	-1.0222	1.0222	1.9687	-1.8756	0.082156	0.25302	-4.6537	147015
RNF112	-0.19052	0.19052	0.26588	-1.8753	0.082189	0.25306	-4.654	7732
EGLN1	-1.6937	1.6937	6.7268	-1.8753	0.082199	0.25306	-4.6541	54583
RPP40	0.96034	0.96034	1.6167	1.8751	0.08223	0.25309	-4.6544	10799
AKIRIN2	2.9763	2.9763	7.947	1.875	0.082242	0.25309	-4.6546	55122
ARMT1	1.2929	1.2929	2.0138	1.8749	0.082253	0.25309	-4.6547	79624
CLTB	21.714	21.714	42.919	1.8745	0.082308	0.25321	-4.6553	1212
CLU	-26.757	26.757	18.103	-1.8741	0.08237	0.25335	-4.6559	1191
NUTM2B-AS1	-1.2905	1.2905	3.1722	-1.8732	0.082509	0.25362	-4.6574	1.01E+08
ZNF876P	-0.24797	0.24797	0.35718	-1.8732	0.082509	0.25362	-4.6574	642280
TCF4-AS1	-0.22634	0.22634	0.37827	-1.8732	0.082509	0.25362	-4.6574	1.05E+08
BRAT1	-2.1003	2.1003	4.6353	-1.8731	0.082518	0.25362	-4.6575	221927
LOC100130449	-0.28329	0.28329	0.44864	-1.8724	0.082614	0.25387	-4.6585	1E+08
AAGAB	1.662	1.662	4.5904	1.8721	0.082667	0.25399	-4.659	79719
PKD1P4-NPIPA8	-0.33812	0.33812	0.41449	-1.8713	0.082778	0.25428	-4.6602	1.1E+08
COQ4	-2.7856	2.7856	9.0867	-1.871	0.082828	0.25439	-4.6607	51117
UBR1	0.61869	0.61869	2.8549	1.8707	0.082868	0.25447	-4.6611	197131
KDM7A-DT	4.474	4.474	5.254	1.8705	0.082905	0.25449	-4.6615	1E+08
SNX29P2	-0.46218	0.46218	0.76207	-1.8704	0.082922	0.25449	-4.6617	440352
SLC4A7	1.0973	1.0973	3.1051	1.8703	0.082936	0.25449	-4.6618	9497
TSPAN17	3.5	3.5	6.2461	1.8701	0.082954	0.25449	-4.662	26262
TSSK1B	-0.15889	0.15889	0.2488	-1.8701	0.082956	0.25449	-4.662	83942

CASP10	-0.52031	0.52031	1.4394	-1.8699	0.082981	0.25449	-4.6623	843
LOC100507053	-0.18538	0.18538	0.3776	-1.8699	0.082987	0.25449	-4.6623	1.01E+08
PRTFDC1	0.65273	0.65273	0.83207	1.8698	0.082997	0.25449	-4.6624	56952
YOD1	23.439	23.439	19.284	1.8697	0.083015	0.2545	-4.6626	55432
GTF2F2	4.53	4.53	9.596	1.8695	0.083042	0.25454	-4.6629	2963
EIF3J	3.6173	3.6173	9.5186	1.8692	0.083089	0.25463	-4.6634	8669
SMG6	-1.0559	1.0559	4.8357	-1.8689	0.08313	0.25471	-4.6638	23293
CCL21	28.134	28.134	37.801	1.8689	0.083143	0.25471	-4.664	6366
PGM2L1	0.78749	0.78749	0.97486	1.8686	0.083185	0.25479	-4.6644	283209
C3orf38	1.2393	1.2393	3.3221	1.8683	0.083223	0.25485	-4.6648	285237
XPNPEP3	-0.28559	0.28559	1.6874	-1.8682	0.083234	0.25485	-4.6649	63929
AP2A1	6.121	6.121	18.534	1.8677	0.083312	0.25498	-4.6657	160
SEL1L	1.7467	1.7467	6.9464	1.8677	0.083319	0.25498	-4.6658	6400
TXNL4A	3.4145	3.4145	8.8938	1.8676	0.083323	0.25498	-4.6658	10907
SH3TC1	1.5939	1.5939	2.6597	1.8673	0.08337	0.25508	-4.6663	54436
ZNF544	-0.52707	0.52707	2.2391	-1.8669	0.083429	0.25514	-4.6669	27300
KCND3-AS1	-0.15429	0.15429	0.1534	-1.8669	0.08343	0.25514	-4.6669	1.01E+08
TMEM9B	2.6093	2.6093	9.0074	1.8668	0.083441	0.25514	-4.667	56674
TPT1-AS1	-0.87852	0.87852	2.3953	-1.8668	0.08345	0.25514	-4.6671	1E+08
PRR11	0.6412	0.6412	0.9106	1.8664	0.0835	0.25516	-4.6676	55771
HARBI1	0.34126	0.34126	1.1721	1.8664	0.083509	0.25516	-4.6677	283254
ZDHHC3	-0.92338	0.92338	4.9055	-1.8663	0.083526	0.25516	-4.6679	51304
TYSND1	-1.4638	1.4638	3.1792	-1.8662	0.083542	0.25516	-4.6681	219743
RPL23AP87	-0.20896	0.20896	0.57484	-1.8661	0.083547	0.25516	-4.6681	388574
TREX2	17.261	17.261	15.841	1.866	0.083563	0.25516	-4.6683	11219
SLC25A38	-0.83106	0.83106	2.5253	-1.866	0.083569	0.25516	-4.6684	54977

STIP1	4.5676	4.5676	11.425	1.8659	0.083576	0.25516	-4.6684	10963
CASC3	-2.3057	2.3057	11.83	-1.8654	0.083648	0.25531	-4.6692	22794
NFE2L2	8.1143	8.1143	23.989	1.8652	0.083681	0.25531	-4.6695	4780
CNN2	20.222	20.222	41.32	1.8652	0.083684	0.25531	-4.6695	1265
BTA1F1	-2.8903	2.8903	8.3668	-1.8652	0.083687	0.25531	-4.6696	9044
PTTG1	3.9774	3.9774	6.4714	1.8648	0.083741	0.25543	-4.6701	9232
RASEF	0.35062	0.35062	0.67428	1.8644	0.0838	0.25549	-4.6707	158158
PLIN1	-1.5067	1.5067	0.83466	-1.8642	0.083826	0.25549	-4.671	5346
PSMA7	21.948	21.948	46.156	1.8642	0.083827	0.25549	-4.671	5688
DAAM1	4.2921	4.2921	12.867	1.864	0.083858	0.25549	-4.6713	23002
MPL	1.0513	1.0513	0.65474	1.8639	0.083882	0.25549	-4.6716	4352
PRND	0.35224	0.35224	0.23079	1.8636	0.083924	0.25549	-4.672	23627
HIKESHI	2.6575	2.6575	5.1667	1.8634	0.083948	0.25549	-4.6722	51501
CAPN2	13.275	13.275	26.713	1.8634	0.083958	0.25549	-4.6723	824
RAN	19.246	19.246	37.719	1.8633	0.083967	0.25549	-4.6724	5901
APOBEC3B	0.65223	0.65223	0.78629	1.8632	0.083975	0.25549	-4.6725	9582
MBL1P	-0.25284	0.25284	0.30662	-1.8631	0.083998	0.25549	-4.6728	8512
AMBRA1	-0.79356	0.79356	4.7777	-1.863	0.084018	0.25549	-4.673	55626
FAM25BP	5.5619	5.5619	4.6728	1.8628	0.084039	0.25549	-4.6732	1E+08
TRAF3IP2-AS1	-0.23715	0.23715	0.62717	-1.8627	0.084049	0.25549	-4.6733	643749
MAPKAPK5-AS1	-0.40927	0.40927	1.3085	-1.8627	0.084051	0.25549	-4.6733	51275
TINCR	-3.0388	3.0388	5.8242	-1.8627	0.084054	0.25549	-4.6733	257000
CCDC39	-0.14231	0.14231	0.1407	-1.8627	0.084056	0.25549	-4.6733	339829
IL17RE	-1.8484	1.8484	4.562	-1.8627	0.084057	0.25549	-4.6734	132014
HTRA3	3.4797	3.4797	4.8459	1.8627	0.08406	0.25549	-4.6734	94031
ZNF302	-0.6177	0.6177	1.916	-1.8626	0.084063	0.25549	-4.6734	55900

CRX	-0.14564	0.14564	0.24844	-1.8621	0.08414	0.25564	-4.6742	1406
VPS11	-1.1131	1.1131	4.5706	-1.8621	0.084142	0.25564	-4.6742	55823
IRF2BPL	-4.2455	4.2455	10.169	-1.8619	0.084169	0.25567	-4.6745	64207
DPYD	-1.2249	1.2249	2.9119	-1.8617	0.084198	0.25571	-4.6748	1806
NUP210	-0.49684	0.49684	1.3128	-1.8615	0.084228	0.25576	-4.6751	23225
NEURL2	-0.13719	0.13719	0.24182	-1.8607	0.084348	0.25606	-4.6763	140825
ZNF263	-0.94619	0.94619	3.552	-1.8606	0.084366	0.25606	-4.6765	10127
ANXA2P1	-0.17047	0.17047	0.17804	-1.8606	0.084371	0.25606	-4.6766	303
TIGD6	-0.2096	0.2096	0.62821	-1.8603	0.084417	0.25615	-4.677	81789
ZNF772	-0.31344	0.31344	0.89583	-1.8599	0.084472	0.25624	-4.6776	400720
HLA-DQB2	-0.73852	0.73852	0.90268	-1.8597	0.084498	0.25624	-4.6779	3120
LEPROT	4.1753	4.1753	10.584	1.8597	0.084506	0.25624	-4.6779	54741
PRXL2C	2.1701	2.1701	3.8708	1.8596	0.084522	0.25624	-4.6781	195827
DOC2GP	-0.16361	0.16361	0.1069	-1.8594	0.084556	0.25624	-4.6784	390213
HPCAL1	1.6892	1.6892	4.0295	1.8594	0.084556	0.25624	-4.6784	3241
CNIH4	2.5038	2.5038	5.4925	1.8592	0.084573	0.25624	-4.6786	29097
ZNF321P	-0.17518	0.17518	0.39836	-1.8591	0.08459	0.25624	-4.6788	399669
CXCL5	9.2029	9.2029	5.4724	1.8591	0.084597	0.25624	-4.6789	6374
ZFP2	-0.13282	0.13282	0.20629	-1.859	0.084605	0.25624	-4.6789	80108
REPIN1	-2.8938	2.8938	6.9447	-1.859	0.084614	0.25624	-4.679	29803
LRBA	-2.3077	2.3077	9.6956	-1.8587	0.084654	0.25631	-4.6794	987
LINC01770	-0.1836	0.1836	0.3259	-1.8584	0.084701	0.25641	-4.6799	1.03E+08
PTGFRN	7.2693	7.2693	19.398	1.8582	0.084734	0.25646	-4.6803	5738
TH2LCRR	-0.14454	0.14454	0.17519	-1.8578	0.084785	0.25657	-4.6808	1.02E+08
LRRC75B	-0.54875	0.54875	1.5382	-1.8574	0.084856	0.25674	-4.6815	388886
TOR4A	2.4608	2.4608	2.6147	1.8567	0.084961	0.25697	-4.6826	54863

LGR4	-1.1437	1.1437	5.1111	-1.8566	0.084963	0.25697	-4.6826	55366
TSPOAP1-AS1	-0.12698	0.12698	0.1769	-1.8565	0.084985	0.25699	-4.6828	1.01E+08
PCGF1	1.3568	1.3568	4.21	1.8562	0.085028	0.25708	-4.6832	84759
ZNF625	-0.35634	0.35634	1.0812	-1.8552	0.085185	0.25751	-4.6848	90589
ILK	5.7267	5.7267	14.987	1.8547	0.085253	0.25762	-4.6855	3611
ALKBH3-AS1	-0.19208	0.19208	0.23882	-1.8547	0.085254	0.25762	-4.6855	1.01E+08
SPARC	194.78	194.78	216.83	1.8543	0.085311	0.25775	-4.6861	6678
LINC01372	-0.24412	0.24412	0.4454	-1.8541	0.085344	0.2578	-4.6864	1.02E+08
PNN	-2.113	2.113	6.7509	-1.8538	0.085384	0.25788	-4.6868	5411
FLJ37453	-0.23524	0.23524	0.77936	-1.8533	0.085462	0.25799	-4.6876	729614
ARMCX5	-0.51381	0.51381	1.9617	-1.8533	0.085472	0.25799	-4.6877	64860
CLINT1	4.0167	4.0167	11.715	1.8532	0.08548	0.25799	-4.6878	9685
TMED9	8.0217	8.0217	17.894	1.8532	0.085481	0.25799	-4.6878	54732
MEF2A	-2.0933	2.0933	7.7307	-1.8529	0.085524	0.25807	-4.6882	4205
SEMA3D	-0.23962	0.23962	0.29925	-1.8525	0.085581	0.25818	-4.6888	223117
CCL5	-4.4148	4.4148	8.0991	-1.8525	0.085592	0.25818	-4.6889	6352
BRICD5	-0.31598	0.31598	0.40272	-1.8522	0.085631	0.25824	-4.6893	283870
PPIC	6.8199	6.8199	11.961	1.8521	0.085652	0.25824	-4.6895	5480
POLRMT	-1.9942	1.9942	4.7522	-1.852	0.085664	0.25824	-4.6896	5442
UBE2B	1.7479	1.7479	4.7233	1.8519	0.085672	0.25824	-4.6897	7320
PPP1R16B	-0.68212	0.68212	1.2486	-1.8517	0.085707	0.2583	-4.6901	26051
FBL	-12.739	12.739	32.549	-1.8514	0.085757	0.25838	-4.6906	2091
SOCS3	19.127	19.127	27.345	1.8513	0.085763	0.25838	-4.6906	9021
AIG1	0.5663	0.5663	2.0207	1.8507	0.085868	0.25863	-4.6917	51390
LZTS2	-3.2733	3.2733	6.5698	-1.8505	0.085892	0.25863	-4.6919	84445
COQ2	0.99809	0.99809	3.2772	1.8505	0.085892	0.25863	-4.6919	27235

SNHG5	39.21	39.21	52.521	1.8501	0.085952	0.25876	-4.6925	387066
COL24A1	0.26343	0.26343	0.36254	1.8498	0.086006	0.25888	-4.6931	255631
ZNF292	-1.3409	1.3409	3.7102	-1.8492	0.086086	0.25907	-4.6939	23036
RHOG	13.317	13.317	23.732	1.849	0.086119	0.25911	-4.6942	391
GPATCH8	-0.95389	0.95389	5.4064	-1.8489	0.086129	0.25911	-4.6943	23131
ZNF646	-1.176	1.176	3.6702	-1.8487	0.086162	0.25916	-4.6946	9726
PEG13	-0.27848	0.27848	0.48774	-1.8478	0.086304	0.25948	-4.696	359809
LOC100506639	-0.58532	0.58532	1.2395	-1.8477	0.086317	0.25948	-4.6961	1.01E+08
SNORA23	-1.7046	1.7046	3.6075	-1.8477	0.08632	0.25948	-4.6962	677808
MED28	-1.4355	1.4355	5.8444	-1.8476	0.08633	0.25948	-4.6963	80306
GRAP2	-0.15957	0.15957	0.33065	-1.8475	0.086355	0.2595	-4.6965	9402
NDUFB2	28.088	28.088	38.517	1.8474	0.08637	0.2595	-4.6967	4708
LOC100129434	-26.006	26.006	50.846	-1.8473	0.086384	0.2595	-4.6968	1E+08
SRP54	2.3057	2.3057	7.5849	1.8471	0.086418	0.25956	-4.6972	6729
SKP1	9.1043	9.1043	25.376	1.8468	0.086459	0.25962	-4.6976	6500
RAE1	1.7846	1.7846	5.7098	1.8467	0.086469	0.25962	-4.6977	8480
FURIN	13.645	13.645	28.104	1.8464	0.086518	0.2597	-4.6981	5045
PEX5	-1.3871	1.3871	3.6685	-1.8464	0.086525	0.2597	-4.6982	5830
ACER2	-0.45684	0.45684	1.372	-1.8457	0.086618	0.25993	-4.6991	340485
LOC105371592	-0.17735	0.17735	0.28202	-1.8454	0.086674	0.26001	-4.6997	1.05E+08
PILRB	-0.78385	0.78385	1.7863	-1.8454	0.086676	0.26001	-4.6997	29990
PGM5P4	-0.1292	0.1292	0.10684	-1.8451	0.086712	0.26007	-4.7001	729468
UBXN10	-0.12385	0.12385	0.14313	-1.8448	0.08677	0.2602	-4.7006	127733
DBIL5P2	-0.12481	0.12481	0.12111	-1.8446	0.086787	0.26021	-4.7008	1E+08
SDC2	5.6229	5.6229	5.9639	1.8443	0.086847	0.26032	-4.7014	6383
ATXN7L3	5.3843	5.3843	13.855	1.8442	0.086856	0.26032	-4.7015	56970

RUNX2	1.0795	1.0795	1.5012	1.8437	0.086929	0.26043	-4.7022	860
WNT6	-0.37955	0.37955	0.31005	-1.8437	0.08693	0.26043	-4.7022	7475
CXCL14	-42.511	42.511	149.27	-1.8437	0.086937	0.26043	-4.7023	9547
C20orf96	-0.37342	0.37342	0.6234	-1.8434	0.086972	0.26043	-4.7026	140680
BMPR2	1.9209	1.9209	8.2383	1.8434	0.086978	0.26043	-4.7027	659
SPDYE6	-1.3114	1.3114	2.3247	-1.8434	0.086984	0.26043	-4.7028	729597
PROS1	-3.2153	3.2153	6.6407	-1.8432	0.087005	0.26044	-4.703	5627
GJA5	1.507	1.507	1.6858	1.8429	0.087048	0.26053	-4.7034	2702
PICALM	5.1128	5.1128	17.791	1.8426	0.087099	0.26063	-4.7039	8301
WNT16	-1.0633	1.0633	1.2253	-1.8423	0.087153	0.26075	-4.7044	51384
NKD2	-1.011	1.011	1.9456	-1.842	0.087198	0.26084	-4.7049	85409
CHST11	1.2835	1.2835	1.8616	1.8417	0.087235	0.2609	-4.7052	50515
SNORA80E	-0.22716	0.22716	0.12115	-1.8414	0.087284	0.261	-4.7057	677823
SLC17A7	-0.26902	0.26902	0.3419	-1.8413	0.087306	0.26101	-4.7059	57030
ALG10	-0.41281	0.41281	1.0678	-1.8412	0.087318	0.26101	-4.706	84920
VAX2	-0.15042	0.15042	0.18642	-1.8411	0.087335	0.26102	-4.7062	25806
S100A5	-0.11799	0.11799	0.09512	-1.8404	0.087439	0.26128	-4.7072	6276
AMMECR1L	0.57236	0.57236	3.3596	1.8399	0.087509	0.26137	-4.7079	83607
C19orf18	-0.19425	0.19425	0.28482	-1.8399	0.087511	0.26137	-4.7079	147685
MIR1248	-0.36807	0.36807	0.35169	-1.8399	0.087516	0.26137	-4.708	1E+08
METTL2B	1.0592	1.0592	4.0714	1.8397	0.087546	0.26141	-4.7083	55798
CDH20	-0.14049	0.14049	0.1178	-1.8395	0.087582	0.26144	-4.7086	28316
ARCN1	4.7532	4.7532	15.95	1.8394	0.087589	0.26144	-4.7087	372
PCP4	-0.21379	0.21379	0.14037	-1.8393	0.087602	0.26144	-4.7088	5121
ARHGAP5	3.1641	3.1641	8.5502	1.8389	0.087665	0.26154	-4.7094	394
TBC1D17	-3.2854	3.2854	7.9873	-1.8388	0.087689	0.26154	-4.7097	79735

CELF2-AS1	-0.40047	0.40047	0.64849	-1.8387	0.087703	0.26154	-4.7098	414196
TCP1	9.4308	9.4308	24.31	1.8387	0.087707	0.26154	-4.7099	6950
NFE2L3	-1.5531	1.5531	3.4871	-1.8385	0.087735	0.26154	-4.7101	9603
KDM7A	1.7822	1.7822	5.8533	1.8384	0.087742	0.26154	-4.7102	80853
DUSP11	2.291	2.291	8.5082	1.8384	0.087755	0.26154	-4.7103	8446
FAM111B	0.84237	0.84237	0.95941	1.8383	0.087757	0.26154	-4.7103	374393
CES3	-0.15279	0.15279	0.19642	-1.8381	0.087793	0.26159	-4.7107	23491
POPDC3	0.28758	0.28758	0.19461	1.838	0.087807	0.26159	-4.7108	64208
KMT5C	-0.58124	0.58124	1.3866	-1.8379	0.087829	0.26161	-4.711	84787
SLC38A9	0.50647	0.50647	1.5719	1.8373	0.087912	0.26177	-4.7119	153129
RALGAPA1P1	0.31747	0.31747	0.67856	1.8373	0.087915	0.26177	-4.7119	26134
PPM1N	-0.18328	0.18328	0.32267	-1.8371	0.087954	0.26185	-4.7123	147699
ARHGAP40	-1.5408	1.5408	2.3371	-1.8369	0.087986	0.26189	-4.7126	343578
RCN2	2.6256	2.6256	5.7807	1.8367	0.088011	0.26189	-4.7128	5955
GNG12	5.6661	5.6661	21.624	1.8365	0.088041	0.26189	-4.7131	55970
PAQR3	0.93789	0.93789	2.181	1.8364	0.088052	0.26189	-4.7132	152559
SNORA2C	-2.1528	2.1528	4.0407	-1.8364	0.08806	0.26189	-4.7133	677815
LINC01750	-0.13454	0.13454	0.13233	-1.8364	0.088063	0.26189	-4.7133	643355
RAP1A	1.433	1.433	3.8174	1.836	0.088126	0.26204	-4.7139	5906
DHFR2	-0.33228	0.33228	0.86842	-1.8357	0.088162	0.26209	-4.7143	200895
PRRT2	-0.44319	0.44319	0.64355	-1.8355	0.0882	0.26216	-4.7147	112476
ADIPOR1	25.208	25.208	40.771	1.8353	0.088234	0.26218	-4.715	51094
TNS1	-12.713	12.713	17.284	-1.8353	0.088236	0.26218	-4.715	7145
ELANE	-0.49349	0.49349	0.332	-1.8351	0.088262	0.26218	-4.7153	1991
TENT4B	0.27389	0.27389	1.2767	1.8351	0.088268	0.26218	-4.7153	64282
CALHM5	0.44208	0.44208	0.60089	1.8348	0.08831	0.26226	-4.7157	254228

PLEKHG3	-3.1891	3.1891	8.5228	-1.8346	0.088332	0.26228	-4.7159	26030
CCT3	12.163	12.163	29.902	1.8341	0.08841	0.26246	-4.7167	7203
GLI2	-0.30221	0.30221	0.43372	-1.8338	0.088465	0.26256	-4.7172	2736
ANKRD20A5P	-0.19726	0.19726	0.15961	-1.8337	0.088487	0.26256	-4.7174	440482
GTF3C6	5.1685	5.1685	10.369	1.8336	0.088488	0.26256	-4.7175	112495
UQCR10	6.7025	6.7025	13.364	1.8333	0.088536	0.26258	-4.7179	29796
FGFR1OP	0.44149	0.44149	1.5156	1.8332	0.088562	0.26258	-4.7182	11116
PPP1R21	1.0314	1.0314	4.2719	1.8331	0.088578	0.26258	-4.7183	129285
CNDP2	4.7373	4.7373	9.7791	1.8331	0.088579	0.26258	-4.7183	55748
LAMA4	6.7729	6.7729	10.226	1.8329	0.088606	0.26258	-4.7186	3910
KIAA1109	-1.3761	1.3761	6.2409	-1.8329	0.08861	0.26258	-4.7186	84162
MFSD9	0.43353	0.43353	1.3216	1.8328	0.088618	0.26258	-4.7187	84804
ROR1-AS1	-0.13485	0.13485	0.13855	-1.8327	0.088635	0.26258	-4.7189	1.02E+08
NAA25	-0.72336	0.72336	3.196	-1.8326	0.088654	0.26258	-4.7191	80018
MOSPD2	0.44073	0.44073	1.8356	1.8325	0.08866	0.26258	-4.7191	158747
LHB	-0.14195	0.14195	0.18591	-1.8325	0.088666	0.26258	-4.7192	3972
YIPF5	1.8745	1.8745	4.9725	1.8323	0.088702	0.26264	-4.7195	81555
PRNP	13.812	13.812	32.656	1.8322	0.088718	0.26264	-4.7197	5621
HDAC1	5.4136	5.4136	14.506	1.8319	0.088755	0.26266	-4.72	3065
ACIN1	-2.9563	2.9563	11.599	-1.8318	0.08877	0.26266	-4.7202	22985
SMTN	9.9687	9.9687	18.163	1.8318	0.088772	0.26266	-4.7202	6525
KIN	-0.22042	0.22042	1.0654	-1.8316	0.088809	0.26272	-4.7206	22944
TGIF2	-0.79237	0.79237	1.8641	-1.8315	0.088823	0.26272	-4.7207	60436
TIMP4	-0.57564	0.57564	0.47586	-1.8313	0.088855	0.26273	-4.721	7079
STYXL1	2.5112	2.5112	4.842	1.8313	0.088859	0.26273	-4.721	51657
CFL2	0.75379	0.75379	1.6576	1.8311	0.088887	0.26277	-4.7213	1073

MED23	-0.74666	0.74666	3.7487	-1.8307	0.08895	0.26291	-4.7219	9439
LINC-PINT	-0.77651	0.77651	1.7363	-1.8302	0.089023	0.26308	-4.7226	378805
ENKUR	0.39058	0.39058	0.25264	1.8299	0.089082	0.26321	-4.7232	219670
NQO1	2.1207	2.1207	2.8059	1.8297	0.089104	0.26323	-4.7234	1728
SLC37A3	1.1571	1.1571	3.7372	1.8295	0.089137	0.26328	-4.7237	84255
SH3GL1	13.188	13.188	32.431	1.8292	0.089181	0.26336	-4.7241	6455
TNFAIP3	2.8473	2.8473	7.2139	1.829	0.089216	0.26342	-4.7245	7128
GOLPH3L	-1.2127	1.2127	3.1685	-1.8288	0.089246	0.26346	-4.7248	55204
GLIS3	2.1245	2.1245	1.9179	1.8286	0.089281	0.26352	-4.7251	169792
JMJD7-PLA2G4B	-0.87213	0.87213	2.4764	-1.8284	0.089319	0.26358	-4.7255	8681
ARHGAP1	9.8386	9.8386	29.594	1.828	0.089375	0.2637	-4.726	392
HS1BP3-IT1	-0.16192	0.16192	0.11498	-1.8276	0.08944	0.26385	-4.7266	1.01E+08
FBXL5	3.2156	3.2156	11.381	1.8273	0.089482	0.26393	-4.727	26234
SORCS2	1.386	1.386	2.1652	1.827	0.089532	0.26403	-4.7275	57537
TMCO1	1.7548	1.7548	4.9499	1.8269	0.089553	0.26404	-4.7277	54499
LOC285097	-0.12103	0.12103	0.079932	-1.8266	0.089589	0.26407	-4.728	285097
LINC00665	-0.57359	0.57359	1.0285	-1.8266	0.089599	0.26407	-4.7281	1.01E+08
GLTP	76.997	76.997	107.17	1.8265	0.089609	0.26407	-4.7282	51228
APTR	-0.25435	0.25435	0.66823	-1.8263	0.089641	0.26412	-4.7285	1.01E+08
SNORA75	-0.18773	0.18773	0.16986	-1.8261	0.089674	0.26415	-4.7288	654321
DNAJC7	4.9209	4.9209	14.14	1.826	0.089683	0.26415	-4.7289	7266
SNX4	1.9017	1.9017	3.861	1.8259	0.089713	0.26419	-4.7292	8723
FMO4	-0.37522	0.37522	0.74599	-1.8256	0.089758	0.26428	-4.7296	2329
MRM3	-0.64436	0.64436	3.0087	-1.8255	0.089773	0.26428	-4.7298	55178
SLC49A3	-0.54058	0.54058	1.5084	-1.8253	0.089801	0.26428	-4.7301	84179
ESCO2	0.31586	0.31586	0.3643	1.8253	0.089804	0.26428	-4.7301	157570

ST8SIA4	0.78731	0.78731	0.96328	1.8249	0.089862	0.26432	-4.7306	7903
DLL1	-2.0833	2.0833	4.5972	-1.8249	0.089863	0.26432	-4.7306	28514
ZNF587	-0.67626	0.67626	3.6	-1.8248	0.089872	0.26432	-4.7307	84914
PDZD9	-0.15272	0.15272	0.18204	-1.8248	0.089885	0.26432	-4.7309	255762
SMIM8	-0.26873	0.26873	0.7663	-1.8247	0.089896	0.26432	-4.731	57150
TMEM120A	2.1516	2.1516	5.3721	1.8242	0.089974	0.26445	-4.7317	83862
C2orf15	-0.13817	0.13817	0.3056	-1.8241	0.089988	0.26445	-4.7318	150590
KCNAB1	-0.44027	0.44027	0.64701	-1.8239	0.090019	0.26445	-4.7321	7881
LYRM1	0.9375	0.9375	2.4064	1.8239	0.090023	0.26445	-4.7322	57149
POLN	-0.13049	0.13049	0.2888	-1.8238	0.090035	0.26445	-4.7323	353497
ZBTB22	-0.27588	0.27588	0.87775	-1.8238	0.090041	0.26445	-4.7323	9278
LINC01252	-0.14376	0.14376	0.14457	-1.8237	0.090054	0.26445	-4.7325	338817
MPP2	-0.15091	0.15091	0.19031	-1.8236	0.090066	0.26445	-4.7326	4355
DPH3P1	-0.19328	0.19328	0.74356	-1.8235	0.090089	0.26447	-4.7328	1E+08
ZNF791	-1.0622	1.0622	4.0533	-1.823	0.09016	0.26459	-4.7335	163049
ACYP2	-0.14511	0.14511	0.64385	-1.823	0.090168	0.26459	-4.7335	98
LOC100128882	-0.19333	0.19333	0.13505	-1.8229	0.090177	0.26459	-4.7336	1E+08
SLC45A4	-0.43439	0.43439	0.87502	-1.8226	0.090234	0.26471	-4.7342	57210
LOC100506321	-0.26143	0.26143	0.55183	-1.8224	0.090255	0.26473	-4.7344	1.01E+08
CCDC134	-0.7537	0.7537	1.7123	-1.8223	0.090271	0.26473	-4.7345	79879
KLHL18	3.617	3.617	6.9156	1.822	0.090319	0.26482	-4.735	23276
HGF	0.7708	0.7708	0.80719	1.8219	0.090333	0.26482	-4.7351	3082
CDC27	1.6586	1.6586	4.8319	1.8214	0.090411	0.265	-4.7359	996
GDF10	-1.0473	1.0473	0.68879	-1.8209	0.090492	0.26512	-4.7366	2662
LOC100128494	-0.42777	0.42777	0.85541	-1.8209	0.090495	0.26512	-4.7366	1E+08
IGSF6	1.8541	1.8541	2.0782	1.8208	0.090508	0.26512	-4.7368	10261

HMGCR	13.417	13.417	22.471	1.8206	0.090541	0.26512	-4.7371	3156
PPP1CA	16.171	16.171	40.226	1.8205	0.090565	0.26512	-4.7373	5499
NR3C1	-1.1668	1.1668	6.6828	-1.8205	0.09057	0.26512	-4.7374	2908
TNXB	-2.2718	2.2718	1.789	-1.8204	0.090571	0.26512	-4.7374	7148
SSBP2	-0.86963	0.86963	1.9068	-1.8204	0.090577	0.26512	-4.7374	23635
ACTR10	2.3779	2.3779	7.9018	1.8203	0.090594	0.26512	-4.7376	55860
UGT1A4	-0.16887	0.16887	0.10409	-1.82	0.090635	0.2652	-4.738	54657
NUP133	-1.1788	1.1788	5.3851	-1.8198	0.090669	0.26525	-4.7383	55746
CCDC36	-0.18033	0.18033	0.32451	-1.8196	0.090708	0.26532	-4.7387	339834
PRDM15	-0.23813	0.23813	1.0183	-1.8193	0.090761	0.26543	-4.7392	63977
CCDC6	4.9052	4.9052	15.539	1.8191	0.09079	0.26546	-4.7394	8030
BTG3-AS1	-0.66343	0.66343	1.0046	-1.819	0.090808	0.26546	-4.7396	1.11E+08
MTAP	0.95977	0.95977	3.6666	1.8188	0.090826	0.26546	-4.7398	4507
LOC105369911	-0.14313	0.14313	0.12677	-1.8186	0.09086	0.26546	-4.7401	1.05E+08
SCRN2	-1.6714	1.6714	4.1205	-1.8186	0.090861	0.26546	-4.7401	90507
PCF11	-1.4787	1.4787	7.0457	-1.8185	0.090878	0.26546	-4.7403	51585
GFOD2	4.2958	4.2958	6.4246	1.8184	0.090897	0.26546	-4.7404	81577
RECQL	2.5511	2.5511	4.8218	1.8184	0.090897	0.26546	-4.7404	5965
CCR2	0.52804	0.52804	0.64248	1.818	0.090961	0.26556	-4.741	729230
CEP44	-0.35205	0.35205	1.1468	-1.818	0.090963	0.26556	-4.7411	80817
EML2	-1.6182	1.6182	4.8562	-1.8176	0.091029	0.26563	-4.7417	24139
ZNF707	-0.62046	0.62046	1.3877	-1.8176	0.091031	0.26563	-4.7417	286075
DVL2	-1.5899	1.5899	6.1413	-1.8175	0.091036	0.26563	-4.7417	1856
WDR5B	-0.31586	0.31586	1.0508	-1.8171	0.091112	0.26581	-4.7425	54554
TMEM178A	-0.2147	0.2147	0.27473	-1.8168	0.091147	0.26587	-4.7428	130733
TMEM11	1.7893	1.7893	5.6704	1.8167	0.091164	0.26587	-4.7429	8834

PAIP2	5.022	5.022	12.811	1.8166	0.091188	0.26589	-4.7432	51247
CLIC4	9.6036	9.6036	18.224	1.8164	0.091222	0.26592	-4.7435	25932
SLC17A9	0.68486	0.68486	0.79023	1.8163	0.09124	0.26592	-4.7437	63910
KIAA1549L	0.35659	0.35659	0.52275	1.8162	0.091243	0.26592	-4.7437	25758
SERPINH1	19.818	19.818	29.44	1.8159	0.09129	0.26601	-4.7441	871
ZFHX2	-0.13858	0.13858	0.19487	-1.8156	0.091352	0.26613	-4.7447	85446
ADPGK-AS1	-0.22095	0.22095	0.41313	-1.8155	0.091363	0.26613	-4.7448	1E+08
HSPB8	12.449	12.449	14.591	1.8153	0.091397	0.26618	-4.7451	26353
PCDHGB4	-0.26759	0.26759	0.71823	-1.8151	0.09142	0.2662	-4.7453	8641
ANXA8	8.8404	8.8404	17.062	1.8143	0.091562	0.26648	-4.7467	653145
AK1	1.7744	1.7744	4.3719	1.8143	0.091562	0.26648	-4.7467	203
CCDC183	-0.29403	0.29403	0.37214	-1.8142	0.091566	0.26648	-4.7467	84960
CEMP1	-2.5669	2.5669	3.3236	-1.8141	0.091591	0.26648	-4.7469	752014
GPB1	-0.30904	0.30904	0.68763	-1.8141	0.091595	0.26648	-4.747	2852
LOC101928861	-0.20578	0.20578	0.27423	-1.814	0.091609	0.26648	-4.7471	1.02E+08
GPR52	-0.33967	0.33967	0.80708	-1.8138	0.09163	0.26649	-4.7473	9293
DLGAP5	0.96698	0.96698	1.1885	1.8136	0.091675	0.26653	-4.7477	9787
RNF185	5.0988	5.0988	11.182	1.8135	0.091682	0.26653	-4.7478	91445
SNX18	1.3682	1.3682	4.2243	1.8135	0.091691	0.26653	-4.7479	112574
SUSD1	0.68839	0.68839	1.6873	1.813	0.09176	0.26668	-4.7485	64420
IKBKE	-0.86502	0.86502	2.3338	-1.8129	0.09178	0.26668	-4.7487	9641
GSE1	-1.3586	1.3586	6.2705	-1.8128	0.091797	0.26668	-4.7489	23199
UQCRH	19.194	19.194	32.202	1.8128	0.091804	0.26668	-4.7489	7388
GLT8D2	2.7806	2.7806	2.9985	1.8126	0.091833	0.26671	-4.7492	83468
ACER3	0.96853	0.96853	2.0499	1.8122	0.091888	0.26677	-4.7497	55331
IPO13	1.9756	1.9756	5.5405	1.8121	0.091905	0.26677	-4.7499	9670

MIPOL1	-0.17713	0.17713	0.36145	-1.8119	0.091938	0.26677	-4.7502	145282
LOC285638	-0.19994	0.19994	0.36632	-1.8119	0.09195	0.26677	-4.7503	285638
ZFPM2	-0.3221	0.3221	0.56041	-1.8118	0.091957	0.26677	-4.7503	23414
GPX7	3.0489	3.0489	3.2699	1.8118	0.091961	0.26677	-4.7504	2882
PRG4	-1.0615	1.0615	0.80185	-1.8118	0.091962	0.26677	-4.7504	10216
BCL7B	2.6737	2.6737	6.9123	1.8117	0.091982	0.26678	-4.7506	9275
WFDC12	126.55	126.55	98.377	1.8113	0.092034	0.26688	-4.7511	128488
PIN4P1	-0.17037	0.17037	0.19592	-1.811	0.092093	0.26698	-4.7516	728758
NDE1	-1.0016	1.0016	5.3511	-1.8109	0.092103	0.26698	-4.7517	54820
CSNK1A1P1	-0.14004	0.14004	0.14008	-1.8108	0.092114	0.26698	-4.7518	161635
COL5A3	7.6124	7.6124	13.179	1.8105	0.092165	0.26706	-4.7523	50509
TICAM1	3.0385	3.0385	5.5119	1.8105	0.092174	0.26706	-4.7524	148022
TPRG1L	5.3458	5.3458	15.03	1.8102	0.092209	0.26712	-4.7527	127262
ZBTB11-AS1	-0.34759	0.34759	1.119	-1.8093	0.092355	0.2675	-4.754	1E+08
GAPDH	313.58	313.58	537.46	1.8088	0.092436	0.26754	-4.7548	2597
CACUL1	1.5627	1.5627	6.152	1.8088	0.092448	0.26754	-4.7549	143384
CDC42EP4	-3.3156	3.3156	9.6151	-1.8088	0.09245	0.26754	-4.7549	23580
MIR497HG	-0.63071	0.63071	1.0747	-1.8087	0.092458	0.26754	-4.755	1.01E+08
CEP55	1.0692	1.0692	1.3271	1.8087	0.092464	0.26754	-4.755	55165
CAV1	11.12	11.12	23.516	1.8087	0.092464	0.26754	-4.755	857
ETS1	5.9559	5.9559	11.102	1.8083	0.092526	0.26767	-4.7556	2113
UCN	-0.16867	0.16867	0.23399	-1.8077	0.092621	0.2679	-4.7565	7349
GPX8	2.9081	2.9081	3.1178	1.8074	0.092678	0.26798	-4.757	493869
FAM220A	2.2231	2.2231	4.0444	1.8073	0.09268	0.26798	-4.757	84792
EIF2B5	-1.2662	1.2662	6.0101	-1.8071	0.092724	0.26806	-4.7574	8893
DLGAP4	3.9197	3.9197	12.128	1.8069	0.092755	0.2681	-4.7577	22839

SLC25A14	0.29971	0.29971	1.1734	1.8064	0.092839	0.2683	-4.7585	9016
SSR1	2.3273	2.3273	7.7586	1.806	0.092904	0.26844	-4.7591	6745
SPTSSA	3.5918	3.5918	6.2818	1.8054	0.093003	0.26862	-4.76	171546
SNAPC4	-0.7501	0.7501	1.6036	-1.8053	0.093009	0.26862	-4.7601	6621
ATP2B1	1.6908	1.6908	5.2726	1.8053	0.093013	0.26862	-4.7601	490
LINC00504	-10.83	10.83	20.511	-1.805	0.093068	0.26873	-4.7606	201853
ALK	-0.13079	0.13079	0.17397	-1.8049	0.093085	0.26873	-4.7607	238
IPO11-LRRC70	0.2961	0.2961	0.22354	1.8042	0.09319	0.26895	-4.7617	1.01E+08
SNORA31	1.2431	1.2431	1.5235	1.8042	0.093193	0.26895	-4.7617	677814
FOXF1	0.59121	0.59121	0.55909	1.8039	0.093241	0.26904	-4.7622	2294
CNOT11	2.1183	2.1183	7.3	1.8038	0.093262	0.26906	-4.7624	55571
ARRDC1-AS1	-0.74471	0.74471	2.0482	-1.8035	0.093312	0.26914	-4.7628	85026
ZNF732	-0.18438	0.18438	0.3255	-1.8034	0.093322	0.26914	-4.7629	654254
OSGEPL1	-0.26635	0.26635	0.82036	-1.8032	0.093359	0.26916	-4.7633	64172
YWHAB	13.638	13.638	40.145	1.8032	0.09336	0.26916	-4.7633	7529
ZBED6	2.3011	2.3011	12.412	1.8027	0.093434	0.26925	-4.7639	1E+08
MYOM1	-0.25789	0.25789	0.35618	-1.8027	0.093438	0.26925	-4.764	8736
AGA	1.4148	1.4148	4.298	1.8027	0.093441	0.26925	-4.764	175
RGS22	-0.13321	0.13321	0.099222	-1.8024	0.093489	0.26934	-4.7644	26166
AP4B1-AS1	-0.18655	0.18655	0.25754	-1.8023	0.093502	0.26934	-4.7646	1E+08
ZRANB1	3.7903	3.7903	7.798	1.802	0.093548	0.2694	-4.765	54764
SPRNP1	-0.16643	0.16643	0.1947	-1.802	0.093555	0.2694	-4.765	399833
ZNF385B	0.18232	0.18232	0.19233	1.8019	0.093573	0.2694	-4.7652	151126
TFB1M	-0.24844	0.24844	0.81144	-1.8015	0.093632	0.26953	-4.7657	51106
NPHP4	-0.60068	0.60068	1.691	-1.8011	0.093696	0.26965	-4.7663	261734
DUXAP10	0.1424	0.1424	0.12124	1.8011	0.093707	0.26965	-4.7664	503639

ZER1	-1.5957	1.5957	6.3422	-1.8008	0.093754	0.2697	-4.7669	10444
DDX55	-0.51243	0.51243	2.8456	-1.8008	0.093755	0.2697	-4.7669	57696
CUL3	1.991	1.991	5.8313	1.8007	0.093774	0.26971	-4.767	8452
RAPSN	-0.14615	0.14615	0.25225	-1.8004	0.093815	0.26978	-4.7674	5913
OMG	-0.39645	0.39645	0.66074	-1.7996	0.093943	0.2701	-4.7686	4974
SULF2	8.9233	8.9233	22.601	1.7993	0.093998	0.27021	-4.7691	55959
SNX27	-0.78181	0.78181	3.8543	-1.7991	0.094029	0.27026	-4.7694	81609
CEACAM5	0.81948	0.81948	1.4947	1.7989	0.094058	0.27029	-4.7696	1048
HEIH	-1.8403	1.8403	4.7735	-1.7984	0.094139	0.27033	-4.7704	1.01E+08
VCP	15.498	15.498	42.638	1.7983	0.094155	0.27033	-4.7705	7415
RXFP4	-0.1589	0.1589	0.2237	-1.7983	0.094155	0.27033	-4.7705	339403
UFD1	3.8468	3.8468	9.1248	1.7983	0.094157	0.27033	-4.7705	7353
AIFM2	-0.58279	0.58279	1.1152	-1.7983	0.094163	0.27033	-4.7706	84883
LOC101927855	-0.12618	0.12618	0.098094	-1.7983	0.094166	0.27033	-4.7706	1.02E+08
ZBTB20	-1.4782	1.4782	3.1362	-1.7979	0.094231	0.27044	-4.7712	26137
SHISA2	0.21197	0.21197	0.30569	1.7978	0.094246	0.27044	-4.7713	387914
OGFOD3	-0.94065	0.94065	2.313	-1.7978	0.094251	0.27044	-4.7714	79701
ZNF345	-0.30042	0.30042	0.73023	-1.7975	0.094291	0.27049	-4.7717	25850
BTG2	7.1178	7.1178	20.664	1.7975	0.094301	0.27049	-4.7718	7832
CHST6	0.28723	0.28723	0.2438	1.7973	0.09432	0.27049	-4.772	4166
SMAGP	3.5263	3.5263	9.5203	1.7968	0.094405	0.27069	-4.7728	57228
SCARNA16	-0.74204	0.74204	1.6394	-1.7963	0.0945	0.27088	-4.7736	677781
TCTE1	-0.11644	0.11644	0.069389	-1.7962	0.094503	0.27088	-4.7736	202500
LINC01433	0.11351	0.11351	0.075961	1.7961	0.094531	0.27092	-4.7739	728228
DIP2C	-0.91606	0.91606	2.7837	-1.7958	0.094584	0.27102	-4.7744	22982
LIMD1	-0.81735	0.81735	3.4088	-1.7954	0.094642	0.27114	-4.7749	8994

SLC25A15	0.47961	0.47961	1.6217	1.7949	0.094726	0.27134	-4.7757	10166
TRAP1	-3.2767	3.2767	11.197	-1.7946	0.09477	0.27142	-4.776	10131
TEX30	0.70412	0.70412	1.1315	1.7945	0.0948	0.27143	-4.7763	93081
PLEKHF2	1.8889	1.8889	6.2574	1.7944	0.094809	0.27143	-4.7764	79666
RNF167	6.1911	6.1911	18.764	1.7942	0.094838	0.27143	-4.7767	26001
COL17A1	-46.388	46.388	125.79	-1.7942	0.094839	0.27143	-4.7767	1308
SYT12	-0.13425	0.13425	0.17006	-1.794	0.09487	0.27144	-4.7769	91683
PLA2G7	1.3105	1.3105	1.2289	1.794	0.094874	0.27144	-4.777	7941
TRIM17	-0.41193	0.41193	0.73626	-1.7927	0.095098	0.27196	-4.779	51127
TYK2	-2.6032	2.6032	7.0707	-1.7926	0.095102	0.27196	-4.779	7297
COL6A6	-0.69296	0.69296	0.44757	-1.7926	0.095105	0.27196	-4.7791	131873
LINC01515	-0.23593	0.23593	0.3178	-1.7925	0.09513	0.27199	-4.7793	1.02E+08
LOC100130992	-0.1446	0.1446	0.16603	-1.7922	0.095182	0.27207	-4.7797	1E+08
COBLL1	0.76975	0.76975	4.0102	1.7921	0.095191	0.27207	-4.7798	22837
CLIC1	4.467	4.467	9.2374	1.7919	0.09522	0.27207	-4.7801	1192
CLEC4A	0.95111	0.95111	1.1572	1.7918	0.095248	0.27207	-4.7803	50856
RIOK3	3.785	3.785	13.72	1.7917	0.095258	0.27207	-4.7804	8780
CHSY3	1.1647	1.1647	1.3582	1.7915	0.095294	0.27207	-4.7807	337876
POLR2K	4.6212	4.6212	9.4152	1.7914	0.095302	0.27207	-4.7808	5440
ATP6AP1L	-0.18553	0.18553	0.37933	-1.7914	0.095305	0.27207	-4.7808	92270
HES4	2.1545	2.1545	4.3615	1.7914	0.095306	0.27207	-4.7808	57801
ARRDC4	14.893	14.893	20.384	1.7903	0.095484	0.27254	-4.7824	91947
AK9	-0.13	0.13	0.28824	-1.7891	0.095687	0.27304	-4.7842	221264
CTSA	12.461	12.461	22.073	1.7891	0.095693	0.27304	-4.7843	5476
SKA1	0.44119	0.44119	1.0002	1.7886	0.095783	0.27325	-4.7851	220134
TP53INP2	3.9093	3.9093	7.3356	1.788	0.095881	0.27348	-4.786	58476

GPATCH2L	-0.34155	0.34155	1.7464	-1.7877	0.095927	0.27352	-4.7864	55668
NDUFV2	13.662	13.662	30.057	1.7876	0.095943	0.27352	-4.7865	4729
DYRK1A	-0.79245	0.79245	5.9689	-1.7876	0.095943	0.27352	-4.7865	1859
FAM171B	0.65134	0.65134	1.3385	1.7875	0.095966	0.27352	-4.7867	165215
ZNF496	-0.66816	0.66816	2.0517	-1.7874	0.095973	0.27352	-4.7868	84838
IFT74	-0.27882	0.27882	0.74869	-1.7872	0.096002	0.27355	-4.787	80173
LOC283028	-0.12291	0.12291	0.11428	-1.787	0.096042	0.27355	-4.7874	283028
ZNF658	-0.5932	0.5932	1.5866	-1.787	0.096044	0.27355	-4.7874	26149
PDCL3	4.2781	4.2781	9.3772	1.787	0.096051	0.27355	-4.7875	79031
BCAT1	1.0614	1.0614	1.1496	1.7867	0.096096	0.27364	-4.7879	586
NPC1	2.3663	2.3663	8.5569	1.7866	0.096113	0.27364	-4.788	4864
MTHFD1L	1.6999	1.6999	2.7499	1.7862	0.096183	0.27372	-4.7886	25902
ATP2A2	11.792	11.792	29.268	1.7861	0.096187	0.27372	-4.7887	488
LSM12	4.2102	4.2102	10.506	1.7861	0.09619	0.27372	-4.7887	124801
PRCD	-0.1473	0.1473	0.14367	-1.7857	0.096265	0.27389	-4.7894	768206
EVC	-1.6455	1.6455	3.8708	-1.7854	0.096315	0.27397	-4.7898	2121
SLC36A3	-0.12987	0.12987	0.09921	-1.7852	0.096345	0.27397	-4.7901	285641
RAD51D	-0.4431	0.4431	1.2189	-1.7851	0.096361	0.27397	-4.7902	5892
PLCH2	-2.8413	2.8413	4.6492	-1.7851	0.096362	0.27397	-4.7902	9651
MRPL53	5.7521	5.7521	11.722	1.785	0.096376	0.27397	-4.7904	116540
LOC102723996	-0.43423	0.43423	1.0008	-1.7847	0.096436	0.27406	-4.7909	1.03E+08
C16orf87	0.16188	0.16188	0.4296	1.7846	0.096442	0.27406	-4.7909	388272
PDE6A	-0.1114	0.1114	0.10811	-1.7844	0.096482	0.27406	-4.7913	5145
SCMH1	-1.1551	1.1551	3.094	-1.7844	0.096488	0.27406	-4.7913	22955
NPRL3	-1.287	1.287	3.6697	-1.7843	0.096497	0.27406	-4.7914	8131
LYZ	17.973	17.973	21.488	1.7843	0.096504	0.27406	-4.7915	4069

CDK2AP1	6.6183	6.6183	11.166	1.7841	0.096538	0.27411	-4.7918	8099
ZNF706	3.753	3.753	8.712	1.7839	0.096564	0.27414	-4.792	51123
POMZP3	-1.2326	1.2326	3.1074	-1.7835	0.096626	0.27427	-4.7926	22932
FAM43B	0.32672	0.32672	0.31848	1.7831	0.096696	0.27442	-4.7932	163933
PHF23	2.96	2.96	7.1799	1.7824	0.096817	0.27472	-4.7942	79142
TRIM26	-0.28377	0.28377	0.94683	-1.7823	0.096835	0.27472	-4.7944	7726
LMOD1	-4.1474	4.1474	4.2466	-1.7822	0.096854	0.27473	-4.7946	25802
ANKRD42	-0.1825	0.1825	0.80227	-1.782	0.096886	0.27477	-4.7948	338699
TRIM59	0.39056	0.39056	0.77583	1.7815	0.096973	0.27496	-4.7956	286827
MCUB	4.2937	4.2937	7.7224	1.7814	0.096997	0.27496	-4.7958	55013
HSPA14	0.58268	0.58268	2.335	1.7813	0.097002	0.27496	-4.7959	51182
RNF149	4.5006	4.5006	16.828	1.7812	0.097018	0.27496	-4.796	284996
VILL	-0.47976	0.47976	1.3522	-1.7808	0.097094	0.27513	-4.7967	50853
ATP6AP2	7.4525	7.4525	23.012	1.78	0.097219	0.27544	-4.7978	10159
SGSM2	-2.6357	2.6357	6.3038	-1.7797	0.097269	0.27554	-4.7982	9905
TTC9C	-0.72772	0.72772	2.9561	-1.7795	0.09731	0.27561	-4.7986	283237
OLMALINC	-0.27804	0.27804	0.65048	-1.7792	0.097357	0.27569	-4.799	90271
C14orf132	-0.87215	0.87215	2.2356	-1.7786	0.097471	0.27597	-4.8	56967
CMBL	-0.32187	0.32187	0.6486	-1.7784	0.097501	0.276	-4.8002	134147
FAS-AS1	-0.19604	0.19604	0.30058	-1.7783	0.097515	0.276	-4.8003	1E+08
EMC4	6.1827	6.1827	19.07	1.7778	0.097592	0.27613	-4.801	51234
PTGS2	28.202	28.202	13.857	1.7778	0.097603	0.27613	-4.8011	5743
DIAPH2-AS1	-0.14414	0.14414	0.28917	-1.7777	0.097614	0.27613	-4.8012	10824
CASP2	-0.99213	0.99213	5.1042	-1.7776	0.097631	0.27613	-4.8014	835
ASIC1	-0.20255	0.20255	0.34847	-1.7776	0.097642	0.27613	-4.8014	41
TENM2	6.1816	6.1816	8.3293	1.7771	0.097723	0.27628	-4.8021	57451

SLC35D1	0.71656	0.71656	3.2726	1.777	0.09773	0.27628	-4.8022	23169
AHR	7.8956	7.8956	16.833	1.777	0.097743	0.27628	-4.8023	196
SMO	-2.1008	2.1008	4.1379	-1.7767	0.097785	0.27635	-4.8027	6608
VDAC3	5.4124	5.4124	15.485	1.7766	0.097807	0.27636	-4.8029	7419
SFXN3	2.8404	2.8404	9.236	1.7762	0.097877	0.27651	-4.8035	81855
FAM181B	1.1564	1.1564	1.0532	1.776	0.097914	0.27657	-4.8038	220382
ZNF33BP1	-0.30249	0.30249	0.35634	-1.7755	0.097996	0.27671	-4.8045	1E+08
THAP1	0.59131	0.59131	1.2244	1.7754	0.098002	0.27671	-4.8046	55145
RNF38	-0.86084	0.86084	3.556	-1.7754	0.09801	0.27671	-4.8046	152006
ZNF815P	-0.17318	0.17318	0.29202	-1.7752	0.098041	0.27672	-4.8049	401303
RMDN3	-1.267	1.267	4.0341	-1.7752	0.098047	0.27672	-4.805	55177
COTL1	10.453	10.453	14.012	1.775	0.098071	0.27674	-4.8052	23406
RWDD1	2.8799	2.8799	7.2812	1.7749	0.098103	0.27678	-4.8055	51389
SLC25A36	-1.3012	1.3012	3.2677	-1.7748	0.098121	0.27679	-4.8056	55186
PHTF1	0.55885	0.55885	1.038	1.7743	0.098193	0.27688	-4.8062	10745
TMEM100	-0.52032	0.52032	0.56797	-1.7743	0.098201	0.27688	-4.8063	55273
ALDH7A1	-2.9136	2.9136	5.8395	-1.7743	0.098201	0.27688	-4.8063	501
OR2A1-AS1	-0.11734	0.11734	0.14622	-1.774	0.098255	0.27694	-4.8068	1.02E+08
LEMD3	0.87947	0.87947	4.3613	1.774	0.098257	0.27694	-4.8068	23592
PPT2	0.16239	0.16239	0.62806	1.7735	0.098327	0.27699	-4.8074	9374
GOLGA7B	3.213	3.213	4.5822	1.7734	0.098347	0.27699	-4.8076	401647
PTOV1-AS2	-1.2938	1.2938	2.6202	-1.7733	0.098368	0.27699	-4.8077	1.02E+08
PINX1	1.214	1.214	3.3675	1.7733	0.098369	0.27699	-4.8077	54984
OST4	38.99	38.99	63.961	1.7733	0.098373	0.27699	-4.8078	1E+08
SAMSN1	1.5099	1.5099	1.6506	1.7733	0.098373	0.27699	-4.8078	64092
PAQR6	-0.59972	0.59972	1.6654	-1.7731	0.098398	0.27701	-4.808	79957

DGKG	-0.21413	0.21413	0.31923	-1.7727	0.09848	0.27715	-4.8087	1608
SIGLEC1	-2.1737	2.1737	1.9019	-1.7727	0.09848	0.27715	-4.8087	6614
CASK	1.1579	1.1579	3.7556	1.7716	0.098667	0.27763	-4.8103	8573
LOC105379183	-0.13471	0.13471	0.15552	-1.7714	0.098688	0.27764	-4.8105	1.05E+08
B4GALT1	9.3945	9.3945	21.267	1.7709	0.098779	0.27786	-4.8113	2683
LINC02323	1.3132	1.3132	0.83383	1.7708	0.098803	0.27788	-4.8115	1.05E+08
ADAM8	3.1006	3.1006	3.0322	1.7705	0.098844	0.27794	-4.8118	101
IPO9	-0.66376	0.66376	3.2293	-1.7701	0.098913	0.27804	-4.8124	55705
UTP11	2.0962	2.0962	8.5127	1.7701	0.098917	0.27804	-4.8125	51118
STXBP3	1.8081	1.8081	5.6882	1.77	0.098929	0.27804	-4.8126	6814
ANXA2	148.3	148.3	281.86	1.7697	0.098982	0.27814	-4.813	302
DNAJC5	7.6715	7.6715	17.378	1.7696	0.099011	0.27814	-4.8133	80331
KCTD5	3.1267	3.1267	7.8393	1.7696	0.099012	0.27814	-4.8133	54442
BROX	1.6326	1.6326	5.7015	1.7694	0.099039	0.27817	-4.8135	148362
MLIP	0.14446	0.14446	0.22293	1.7693	0.099056	0.27817	-4.8137	90523
ESRP1	9.2893	9.2893	21.434	1.7688	0.099151	0.27839	-4.8145	54845
PRG2	-0.72943	0.72943	0.77612	-1.7686	0.099179	0.27839	-4.8147	5553
NUP88	1.1145	1.1145	4.7181	1.7686	0.099184	0.27839	-4.8148	4927
MRPS33	3.516	3.516	6.8776	1.7684	0.099219	0.27844	-4.8151	51650
EEF1B2	67.324	67.324	150.34	1.7678	0.099321	0.27864	-4.8159	1933
PSMD9	2.7058	2.7058	7.0444	1.7678	0.099321	0.27864	-4.8159	5715
ZNF737	-0.28079	0.28079	0.57754	-1.7676	0.099353	0.27866	-4.8162	1E+08
KCTD21-AS1	-0.12418	0.12418	0.1341	-1.7675	0.099362	0.27866	-4.8163	1E+08
TP53AIP1	-1.5099	1.5099	3.2806	-1.7669	0.099474	0.27893	-4.8172	63970
SLC30A5	0.9347	0.9347	3.6653	1.7664	0.099552	0.2791	-4.8179	64924
LOC105375787	-0.17471	0.17471	0.12228	-1.7663	0.099573	0.27911	-4.8181	1.05E+08

SF3A2	-6.1516	6.1516	18.21	-1.7662	0.099597	0.27913	-4.8183	8175
UBE2M	4.6301	4.6301	12.061	1.7661	0.099612	0.27913	-4.8184	9040
USP3-AS1	-0.33236	0.33236	0.63059	-1.7659	0.099639	0.27916	-4.8186	1E+08
TMSB10	346.53	346.53	526.51	1.7653	0.099747	0.27933	-4.8196	9168
NT5C2	2.3421	2.3421	6.797	1.7653	0.099749	0.27933	-4.8196	22978
ZNF620	-0.15048	0.15048	0.29496	-1.7652	0.099765	0.27933	-4.8197	253639
NDUFV1	-6.6827	6.6827	21.286	-1.7652	0.099776	0.27933	-4.8198	4723
GABARAP	43.318	43.318	93.925	1.7651	0.099782	0.27933	-4.8199	11337
TTC39B	5.3767	5.3767	9.0825	1.7646	0.099864	0.2795	-4.8206	158219
ATF4	22.258	22.258	57.242	1.7646	0.099876	0.2795	-4.8207	468
ATP1A1	-37.283	37.283	75.613	-1.7645	0.099892	0.2795	-4.8208	476
FLJ42393	-0.47717	0.47717	0.91638	-1.7642	0.099948	0.27958	-4.8213	401105
DUSP3	3.4568	3.4568	10.44	1.7641	0.099957	0.27958	-4.8213	1845
PCMT1	3.6639	3.6639	9.3994	1.7638	0.10001	0.2797	-4.8218	5110
POMP	7.4184	7.4184	13.033	1.7636	0.10005	0.27975	-4.8221	51371
ANKLE2	2.1565	2.1565	11.124	1.7634	0.10007	0.27977	-4.8223	23141
PHKA1	-0.39898	0.39898	1.4545	-1.7633	0.10009	0.27978	-4.8225	5255
CCDC188	-0.16807	0.16807	0.20761	-1.7625	0.10024	0.28006	-4.8238	388849
TP53BP2	1.9926	1.9926	5.8257	1.7624	0.10025	0.28006	-4.8238	7159
EXOC3-AS1	-0.4986	0.4986	0.95139	-1.7624	0.10026	0.28006	-4.8239	116349
ADM2	0.53384	0.53384	0.47584	1.7624	0.10026	0.28006	-4.8239	79924
MSMO1	9.0306	9.0306	14.592	1.7622	0.10028	0.28008	-4.8241	6307
SEC61B	20.289	20.289	37.216	1.762	0.10033	0.28015	-4.8245	10952
HOXA10	-0.34254	0.34254	0.92149	-1.7619	0.10034	0.28015	-4.8246	3206
LARP7	1.683	1.683	4.2016	1.7618	0.10037	0.28018	-4.8248	51574
CERS5	-0.70751	0.70751	2.8784	-1.7615	0.10041	0.28026	-4.8252	91012

ATP5F1E	51.561	51.561	71.361	1.7613	0.10045	0.2803	-4.8255	514
PRKAG1	2.9087	2.9087	9.1111	1.7611	0.10048	0.28036	-4.8258	5571
PHF5A	3.8637	3.8637	8.365	1.7608	0.10054	0.28047	-4.8263	84844
DCTN5	1.4718	1.4718	5.7624	1.7607	0.10056	0.28047	-4.8264	84516
ZBTB1	0.6969	0.6969	3.3994	1.7604	0.1006	0.28054	-4.8268	22890
GBP4	-0.72827	0.72827	1.3654	-1.7601	0.10066	0.28067	-4.8273	115361
OTUB1	5.5904	5.5904	16.212	1.7597	0.10072	0.28079	-4.8278	55611
FAM180A	-0.4597	0.4597	1.0617	-1.7594	0.10078	0.28088	-4.8283	389558
C1orf54	3.6603	3.6603	3.3176	1.7594	0.10078	0.28088	-4.8283	79630
WARS2	-0.46485	0.46485	1.8296	-1.7588	0.10088	0.28109	-4.8291	10352
ZDHHC11B	-0.64764	0.64764	0.71963	-1.7583	0.10098	0.2813	-4.8299	653082
ECSIT	-1.3389	1.3389	4.4927	-1.7582	0.10099	0.2813	-4.83	51295
ARHGAP11A	0.62513	0.62513	1.2612	1.758	0.10103	0.28133	-4.8304	9824
LINC01355	-0.42215	0.42215	0.82957	-1.758	0.10103	0.28133	-4.8304	1.01E+08
ANKRD13B	-0.61815	0.61815	1.1891	-1.7571	0.10118	0.28164	-4.8316	124930
TM4SF19-AS1	0.51044	0.51044	0.54832	1.7571	0.10118	0.28164	-4.8317	1.01E+08
DUXB	-0.14043	0.14043	0.13535	-1.757	0.1012	0.28164	-4.8318	1E+08
ADAMTS2	6.6097	6.6097	7.6346	1.757	0.10121	0.28164	-4.8319	9509
LINC00507	-0.14887	0.14887	0.21994	-1.756	0.10137	0.28196	-4.8333	1.01E+08
BIN3-IT1	-0.31291	0.31291	0.61405	-1.756	0.10138	0.28196	-4.8333	80094
PLRG1	1.8133	1.8133	5.0968	1.756	0.10138	0.28196	-4.8333	5356
PEX6	-2.0067	2.0067	2.4093	-1.7559	0.1014	0.28196	-4.8335	5190
CNNM3-DT	-0.20141	0.20141	0.21054	-1.7558	0.10141	0.28196	-4.8336	1.01E+08
CCDC122	-0.23796	0.23796	0.92912	-1.7557	0.10144	0.28197	-4.8338	160857
STAT5B	-1.6453	1.6453	6.9809	-1.7556	0.10144	0.28197	-4.8338	6777
PDE2A	-1.1594	1.1594	2.6024	-1.7555	0.10147	0.28199	-4.834	5138

DLX4	-0.30453	0.30453	0.49693	-1.7553	0.1015	0.28201	-4.8343	1748
GSN-AS1	-0.83544	0.83544	1.4583	-1.7552	0.10151	0.28201	-4.8344	57000
KCNQ1	-0.36576	0.36576	0.64923	-1.7551	0.10153	0.28202	-4.8346	3784
PLA2G4E-AS1	-2.1483	2.1483	4.2501	-1.7548	0.10159	0.28212	-4.8351	1.02E+08
ENPP1	0.52767	0.52767	0.72937	1.7547	0.1016	0.28212	-4.8351	5167
PACSIN2	-1.4003	1.4003	6.1228	-1.7543	0.10167	0.28225	-4.8358	11252
SPIRE1	2.5593	2.5593	5.1526	1.7543	0.10168	0.28225	-4.8358	56907
TAZ	-1.3388	1.3388	3.4567	-1.7535	0.10182	0.28259	-4.837	6901
CFI	1.4065	1.4065	2.2163	1.7532	0.10187	0.28264	-4.8374	3426
SNORA18	0.44612	0.44612	0.72723	1.7532	0.10188	0.28264	-4.8375	677805
PDCD5	7.5709	7.5709	15.76	1.7531	0.10188	0.28264	-4.8375	9141
ARID3B	0.26091	0.26091	1.225	1.7518	0.10212	0.28325	-4.8395	10620
PARN	-0.95647	0.95647	4.9266	-1.751	0.10226	0.28357	-4.8406	5073
GPR146	-0.84643	0.84643	1.4931	-1.7508	0.1023	0.28366	-4.841	115330
TBC1D10C	-0.55523	0.55523	0.95981	-1.7506	0.10233	0.28367	-4.8412	374403
LOC221946	0.82463	0.82463	1.0519	1.7505	0.10234	0.28367	-4.8413	221946
SARNP	4.7966	4.7966	9.3997	1.7504	0.10236	0.28368	-4.8415	84324
CCL23	-0.53253	0.53253	0.47448	-1.7502	0.1024	0.28373	-4.8418	6368
DSP	225.79	225.79	549.85	1.7497	0.10249	0.28394	-4.8426	1832
SETDB2	-0.30687	0.30687	0.80571	-1.7496	0.10251	0.28394	-4.8427	83852
APBB1	-0.89682	0.89682	1.8831	-1.7493	0.10256	0.28403	-4.8431	322
DNAJC4	-1.9794	1.9794	6.519	-1.7492	0.10259	0.28407	-4.8434	3338
NLRC3	-0.22296	0.22296	0.3875	-1.7489	0.10264	0.28414	-4.8438	197358
ZNF19	-0.20368	0.20368	0.47534	-1.7488	0.10264	0.28414	-4.8438	7567
GJA3	0.14102	0.14102	0.20794	1.7487	0.10267	0.28415	-4.844	2700
COPS3	2.5339	2.5339	7.834	1.7486	0.10268	0.28415	-4.8441	8533

ARL17A	-0.25507	0.25507	0.58868	-1.7484	0.10273	0.28422	-4.8445	51326
PML	-3.1024	3.1024	5.247	-1.7482	0.10276	0.28422	-4.8447	5371
EIF4E2	1.8215	1.8215	6.584	1.7482	0.10276	0.28422	-4.8448	9470
PURB	1.4868	1.4868	6.6634	1.748	0.1028	0.2843	-4.8451	5814
NUDT15	0.76559	0.76559	2.2306	1.7477	0.10286	0.2843	-4.8456	55270
ZNF836	-0.31735	0.31735	1.4419	-1.7476	0.10287	0.2843	-4.8456	162962
LOXL1-AS1	-0.20012	0.20012	0.41572	-1.7473	0.10291	0.2843	-4.846	1E+08
ZNF778	-0.36383	0.36383	1.6469	-1.7472	0.10295	0.2843	-4.8463	197320
TTK	0.51075	0.51075	0.78873	1.7471	0.10295	0.2843	-4.8463	7272
SRSF9	11.312	11.312	31.113	1.7471	0.10296	0.2843	-4.8464	8683
NAT1	0.29139	0.29139	0.47819	1.747	0.10297	0.2843	-4.8465	9
TCP11L1	0.55613	0.55613	2.9971	1.747	0.10297	0.2843	-4.8465	55346
SLC26A11	-0.5212	0.5212	1.8341	-1.747	0.10298	0.2843	-4.8465	284129
POLR1A	-1.1375	1.1375	3.5726	-1.7468	0.103	0.2843	-4.8468	25885
ZNF142	-0.65916	0.65916	2.6579	-1.7468	0.10301	0.2843	-4.8469	7701
TLE2	-2.1857	2.1857	2.6411	-1.7468	0.10302	0.2843	-4.8469	7089
TK2	-0.8805	0.8805	2.577	-1.7467	0.10304	0.2843	-4.847	7084
TAF1D	2.0492	2.0492	6.4363	1.7466	0.10304	0.2843	-4.8471	79101
CHST15	1.3687	1.3687	3.5873	1.7465	0.10307	0.28433	-4.8473	51363
WDR37	0.79908	0.79908	4.2017	1.7463	0.10311	0.28439	-4.8476	22884
ATP5PD	27.82	27.82	61.824	1.7461	0.10313	0.28439	-4.8478	10476
CRTC3	-1.5198	1.5198	4.7983	-1.7461	0.10314	0.28439	-4.8479	64784
F8A1	-0.66363	0.66363	1.8451	-1.7458	0.10319	0.28448	-4.8483	8263
ARSF	-0.31267	0.31267	0.32758	-1.7455	0.10324	0.28458	-4.8487	416
DTD1	1.0475	1.0475	4.4541	1.7453	0.10327	0.28461	-4.849	92675
ZNF780B	-0.29146	0.29146	0.80724	-1.7451	0.10331	0.28463	-4.8493	163131

RUFY3	-0.75405	0.75405	4.2583	-1.7451	0.10331	0.28463	-4.8493	22902
HERC6	-3.0287	3.0287	2.8052	-1.7447	0.10338	0.28477	-4.8498	55008
ZNF429	-0.23048	0.23048	0.60308	-1.7444	0.10345	0.28491	-4.8504	353088
HBA1	7.6309	7.6309	5.4286	1.7437	0.10357	0.28518	-4.8514	3039
INSIG2	1.1836	1.1836	3.0326	1.7436	0.10358	0.28518	-4.8515	51141
GUCY1B2	-0.24648	0.24648	0.15744	-1.7432	0.10365	0.28531	-4.8521	2974
CHI3L2	-14.215	14.215	10.24	-1.7432	0.10366	0.28531	-4.8521	1117
SERINC4	-0.15895	0.15895	0.20313	-1.743	0.10369	0.28531	-4.8524	619189
SOX5-AS1	-0.19803	0.19803	0.13496	-1.743	0.10369	0.28531	-4.8524	1.02E+08
RTCA-AS1	-0.20505	0.20505	0.33634	-1.7427	0.10374	0.28535	-4.8528	1.01E+08
COG8	-0.88116	0.88116	4.46	-1.7427	0.10375	0.28535	-4.8528	84342
CYP4F11	0.52336	0.52336	0.63146	1.7426	0.10376	0.28535	-4.853	57834
TBC1D13	-1.2421	1.2421	3.7313	-1.7424	0.10379	0.28538	-4.8532	54662
CCDC152	-0.25359	0.25359	0.47923	-1.7424	0.10381	0.28538	-4.8533	1E+08
SLC25A34	-0.17196	0.17196	0.39021	-1.7421	0.10385	0.28541	-4.8537	284723
LINC02018	-0.1379	0.1379	0.15804	-1.7421	0.10385	0.28541	-4.8537	1.08E+08
LINC01447	-0.11606	0.11606	0.14291	-1.742	0.10387	0.28542	-4.8538	1.02E+08
ZNF324	-0.67734	0.67734	2.5613	-1.7419	0.10389	0.28543	-4.854	25799
ZFPM1	-0.64914	0.64914	1.531	-1.7417	0.10392	0.28547	-4.8543	161882
VBP1	2.2508	2.2508	4.3191	1.7414	0.10399	0.28552	-4.8548	7411
FOXD4L5	-0.12523	0.12523	0.1307	-1.7413	0.10399	0.28552	-4.8548	653427
MRPS10	2.8061	2.8061	7.0712	1.7413	0.104	0.28552	-4.8549	55173
MRPS18C	2.5955	2.5955	5.9196	1.7413	0.10401	0.28552	-4.855	51023
B4GAT1	-0.82895	0.82895	2.3819	-1.741	0.10405	0.28558	-4.8553	11041
PIGP	0.7587	0.7587	1.5505	1.7408	0.10408	0.28558	-4.8555	51227
BUB3	3.2201	3.2201	9.8951	1.7408	0.10409	0.28558	-4.8556	9184

SLC10A6	4.8073	4.8073	10.785	1.7408	0.1041	0.28558	-4.8557	345274
PON3	-0.54616	0.54616	0.63194	-1.7406	0.10412	0.28559	-4.8558	5446
IQGAP1	17.051	17.051	43.011	1.7403	0.10417	0.28568	-4.8563	8826
ITPRIPL2	-2.6606	2.6606	8.102	-1.7403	0.10418	0.28568	-4.8564	162073
TPM3	4.8834	4.8834	10.333	1.7402	0.1042	0.28569	-4.8566	7170
LINC00842	-0.50723	0.50723	0.932	-1.7397	0.10429	0.28578	-4.8573	643650
MAK	-0.1596	0.1596	0.23267	-1.7396	0.1043	0.28578	-4.8573	4117
HAVCR1P1	-0.27932	0.27932	0.41514	-1.7396	0.10431	0.28578	-4.8574	1E+08
RGCC	2.9646	2.9646	4.887	1.7395	0.10431	0.28578	-4.8575	28984
MIDN	8.465	8.465	22.684	1.7395	0.10432	0.28578	-4.8575	90007
SPATA1	-0.16596	0.16596	0.27316	-1.7392	0.10437	0.28583	-4.8579	1.01E+08
CUX1	1.8552	1.8552	6.4908	1.7392	0.10438	0.28583	-4.858	1523
KIF1B	1.8979	1.8979	7.1435	1.7391	0.10439	0.28583	-4.8581	23095
ATP13A3	4.0097	4.0097	6.6379	1.7388	0.10445	0.28591	-4.8585	79572
ZBTB43	1.8185	1.8185	5.6509	1.7388	0.10446	0.28591	-4.8586	23099
PAPSS2	1.5846	1.5846	2.1645	1.7386	0.10448	0.28594	-4.8588	9060
DMGDH	-0.13368	0.13368	0.18042	-1.7384	0.10453	0.28602	-4.8592	29958
NUCKS1	-4.7743	4.7743	16.866	-1.7379	0.1046	0.28618	-4.8598	64710
TRAPPC2B	0.71585	0.71585	1.7951	1.7372	0.10475	0.28652	-4.8609	10597
LOC101929057	-0.14467	0.14467	0.25296	-1.7369	0.1048	0.28659	-4.8614	1.02E+08
LOC101929431	-0.12654	0.12654	0.16736	-1.7368	0.1048	0.28659	-4.8614	1.02E+08
LINC01615	0.28657	0.28657	0.35721	1.7362	0.10493	0.28688	-4.8624	1.02E+08
LGALS1	149.65	149.65	136.63	1.7353	0.10508	0.28726	-4.8637	3956
SLC2A4RG	-7.4436	7.4436	17.004	-1.7352	0.10511	0.28729	-4.8639	56731
PFN1P2	-1.3683	1.3683	3.1811	-1.7351	0.10513	0.28729	-4.864	767846
XKR6	-0.20531	0.20531	0.37962	-1.7346	0.10521	0.28733	-4.8646	286046

BORCS8-MEF2B	-0.16619	0.16619	0.19805	-1.7345	0.10522	0.28733	-4.8648	4207
RUNX1T1	-0.50478	0.50478	0.95515	-1.7345	0.10522	0.28733	-4.8648	862
PLK3	5.197	5.197	8.2833	1.7345	0.10523	0.28733	-4.8649	1263
EIF3CL	-5.6726	5.6726	15.08	-1.7344	0.10525	0.28733	-4.865	728689
CHAMP1	-0.82346	0.82346	3.0584	-1.7343	0.10526	0.28733	-4.8651	283489
DHPS	-1.4146	1.4146	7.2641	-1.7342	0.10528	0.28733	-4.8652	1725
RASGRP3	0.64088	0.64088	1.1679	1.7342	0.10528	0.28733	-4.8652	25780
PCCA-AS1	-0.12761	0.12761	0.10402	-1.7339	0.10533	0.28741	-4.8657	1.01E+08
RGMA	-1.1193	1.1193	1.8	-1.7339	0.10534	0.28741	-4.8658	56963
AGBL3	-0.11563	0.11563	0.12113	-1.7338	0.10536	0.28741	-4.8659	340351
KLHDC9	-0.12164	0.12164	0.19802	-1.7334	0.10543	0.28752	-4.8664	126823
HSP90AA1	30.459	30.459	58.14	1.7333	0.10545	0.28752	-4.8666	3320
UBE2K	2.4658	2.4658	8.3306	1.7333	0.10546	0.28752	-4.8666	3093
PYCR1	1.9425	1.9425	2.948	1.7332	0.10547	0.28752	-4.8668	5831
MRPS18B	-0.46562	0.46562	1.3801	-1.7331	0.10548	0.28752	-4.8669	28973
SH2D4A	1.2828	1.2828	3.1799	1.7327	0.10555	0.28765	-4.8674	63898
SORBS1	-2.2107	2.2107	2.9787	-1.7322	0.10565	0.28787	-4.8682	10580
DGKD	-0.60247	0.60247	1.3744	-1.7319	0.1057	0.28791	-4.8686	8527
CREM	0.49719	0.49719	0.83491	1.7319	0.10571	0.28791	-4.8687	1390
PCYT1A	5.6602	5.6602	16.557	1.7319	0.10571	0.28791	-4.8687	5130
MAMLD1	-0.27406	0.27406	0.63153	-1.7316	0.10575	0.28798	-4.869	10046
ARHGAP17	1.7058	1.7058	7.4331	1.7314	0.10579	0.28803	-4.8693	55114
RPN2	10.449	10.449	29.199	1.7308	0.10591	0.28828	-4.8703	6185
MIRLET7BHG	-6.6043	6.6043	8.6629	-1.7306	0.10593	0.28828	-4.8705	400931
ZNF843	-0.12721	0.12721	0.22394	-1.7306	0.10593	0.28828	-4.8705	283933
HSP90B1	25.958	25.958	53.179	1.7304	0.10597	0.28834	-4.8708	7184

COX7A2	19.357	19.357	34.928	1.7301	0.10603	0.28844	-4.8712	1347
ZPR1	2.47	2.47	7.1916	1.7295	0.10614	0.28869	-4.8721	8882
FAM90A25P	-0.22927	0.22927	0.19248	-1.7294	0.10615	0.28869	-4.8722	389633
TMEM52	-0.31795	0.31795	0.43601	-1.7293	0.10618	0.28871	-4.8724	339456
LINC00562	-0.18808	0.18808	0.37718	-1.7289	0.10625	0.28883	-4.873	1.01E+08
CDKN2AIP	0.70877	0.70877	2.3619	1.7289	0.10626	0.28883	-4.873	55602
OSBPL1A	1.785	1.785	5.0144	1.7287	0.10629	0.28883	-4.8733	114876
C4orf47	0.15125	0.15125	0.25126	1.7287	0.10629	0.28883	-4.8733	441054
PSMC2	3.1347	3.1347	9.9714	1.7286	0.10631	0.28883	-4.8734	5701
MRRF	-0.80438	0.80438	3.4281	-1.7284	0.10634	0.28883	-4.8737	92399
ATP6V1G1	7.4071	7.4071	18.175	1.7284	0.10634	0.28883	-4.8737	9550
BCDIN3D	-0.30592	0.30592	1.3166	-1.7281	0.1064	0.2889	-4.8742	144233
PWWP2A	-0.34541	0.34541	2.1638	-1.728	0.10642	0.2889	-4.8743	114825
PSPN	-0.1734	0.1734	0.2256	-1.728	0.10643	0.2889	-4.8744	5623
SGF29	-0.98704	0.98704	3.0678	-1.7279	0.10644	0.2889	-4.8745	112869
ZNF668	0.71935	0.71935	2.1143	1.7278	0.10645	0.2889	-4.8746	79759
LOC101926915	-0.21861	0.21861	0.22611	-1.7276	0.1065	0.28898	-4.875	1.02E+08
POU5F1P4	-0.32936	0.32936	0.59716	-1.7272	0.10656	0.28904	-4.8754	645682
ERCC6L2	-0.39935	0.39935	1.5474	-1.7271	0.10659	0.28904	-4.8757	375748
ANAPC13	2.1252	2.1252	5.2666	1.7269	0.10662	0.28904	-4.8759	25847
SRGN	23.499	23.499	19.716	1.7269	0.10663	0.28904	-4.876	5552
AFAP1L1	1.2308	1.2308	2.563	1.7268	0.10665	0.28904	-4.8761	134265
TNFRSF25	-2.1704	2.1704	4.5767	-1.7267	0.10665	0.28904	-4.8762	8718
PIKFYVE	-0.69049	0.69049	3.4464	-1.7267	0.10666	0.28904	-4.8762	200576
P4HTM	-0.92462	0.92462	2.3754	-1.7266	0.10667	0.28904	-4.8763	54681
AGO3	-0.67133	0.67133	3.5966	-1.7265	0.10669	0.28904	-4.8765	192669

WWTR1	3.5532	3.5532	11.985	1.7265	0.10669	0.28904	-4.8765	25937
PRR3	-0.10529	0.10529	0.16947	-1.7263	0.10674	0.28905	-4.8769	80742
LOC102723885	-0.12509	0.12509	0.14058	-1.7261	0.10677	0.28905	-4.8771	1.03E+08
LINC02273	0.30003	0.30003	0.2397	1.7261	0.10677	0.28905	-4.8771	1.01E+08
NFS1	-0.57362	0.57362	2.6699	-1.726	0.10678	0.28905	-4.8772	9054
GOLGA8O	-0.23096	0.23096	0.52227	-1.726	0.10678	0.28905	-4.8772	728047
ZNF420	-0.15115	0.15115	0.45432	-1.7256	0.10686	0.28922	-4.8778	147923
C1QTNF3-AMACR	-0.27321	0.27321	0.52328	-1.7255	0.10688	0.28923	-4.878	1.01E+08
HYAL2	5.6023	5.6023	11.956	1.7254	0.1069	0.28923	-4.8781	8692
ABHD17C	2.3968	2.3968	5.8294	1.725	0.10697	0.28925	-4.8787	58489
AGPAT5	0.63497	0.63497	1.6152	1.7249	0.10699	0.28925	-4.8788	55326
NBPF9	-1.1156	1.1156	6.879	-1.7249	0.107	0.28925	-4.8789	400818
SKAP2	0.73888	0.73888	2.5843	1.7248	0.107	0.28925	-4.8789	8935
NCOA3	-1.295	1.295	6.4456	-1.7247	0.10702	0.28925	-4.8791	8202
ZNF630-AS1	-0.13093	0.13093	0.12905	-1.7246	0.10704	0.28925	-4.8792	1.01E+08
FAM136A	1.3469	1.3469	4.4074	1.7246	0.10705	0.28925	-4.8793	84908
LINC01589	-0.17885	0.17885	0.24802	-1.7246	0.10705	0.28925	-4.8793	1.01E+08
STEAP1	3.6237	3.6237	4.02	1.7245	0.10706	0.28925	-4.8794	26872
HS3ST3B1	0.59277	0.59277	1.0119	1.724	0.10716	0.28944	-4.8801	9953
ZNF32-AS2	-0.19295	0.19295	0.27765	-1.7238	0.10719	0.28944	-4.8804	414208
SRP72	4.0497	4.0497	12.657	1.7238	0.1072	0.28944	-4.8805	6731
CD68	14.964	14.964	19.994	1.7238	0.1072	0.28944	-4.8805	968
SIAH1	2.2143	2.2143	6.0865	1.7237	0.10722	0.28945	-4.8806	6477
ACKR1	-6.4208	6.4208	9.2775	-1.7236	0.10724	0.28945	-4.8808	2532
PCDHB12	-0.19448	0.19448	0.44387	-1.7233	0.10729	0.28953	-4.8812	56124
KRIT1	-0.65333	0.65333	3.029	-1.7231	0.10732	0.28955	-4.8815	889

NPAS2	-1.2023	1.2023	4.2092	-1.7231	0.10733	0.28955	-4.8815	4862
MRPS22	2.5781	2.5781	6.9163	1.7229	0.10735	0.28957	-4.8817	56945
PRPF8	-6.7529	6.7529	26.586	-1.7227	0.10739	0.28962	-4.882	10594
ZNF419	-0.32847	0.32847	1.259	-1.7227	0.1074	0.28962	-4.8821	79744
FPR1	7.4032	7.4032	6.05	1.7224	0.10746	0.28968	-4.8825	2357
C11orf54	-0.33697	0.33697	1.5686	-1.7224	0.10746	0.28968	-4.8825	28970
ITGA6	21.136	21.136	32.51	1.7221	0.1075	0.28975	-4.8829	3655
GRIPAP1	-1.3339	1.3339	4.6487	-1.722	0.10752	0.28976	-4.883	56850
NRROS	-0.65844	0.65844	1.3109	-1.7213	0.10765	0.29004	-4.884	375387
IL13RA1	11.554	11.554	19.654	1.7212	0.10768	0.29004	-4.8843	3597
PCDHGA11	-0.28042	0.28042	1.0536	-1.7211	0.10769	0.29004	-4.8843	56105
IL7R	2.8675	2.8675	3.5332	1.721	0.10771	0.29004	-4.8845	3575
POU3F1	-3.1793	3.1793	8.2143	-1.7208	0.10775	0.29004	-4.8848	5453
LINC01715	0.69271	0.69271	0.91313	1.7207	0.10777	0.29004	-4.8849	1.05E+08
FAR1	1.5003	1.5003	3.8208	1.7206	0.10778	0.29004	-4.885	84188
MIR205	-0.54898	0.54898	0.39965	-1.7206	0.10778	0.29004	-4.8851	406988
MYCBP	0.98908	0.98908	2.484	1.7206	0.10778	0.29004	-4.8851	26292
GPR176	2.3839	2.3839	2.9406	1.7205	0.10781	0.29006	-4.8853	11245
ALKBH4	-0.6265	0.6265	1.87	-1.7192	0.10805	0.29065	-4.8871	54784
RELA	5.4197	5.4197	18.033	1.7184	0.10819	0.29099	-4.8882	5970
NDUFS4	6.0838	6.0838	11.421	1.7179	0.10828	0.29108	-4.889	4724
TIAF1	-0.41707	0.41707	0.94423	-1.7178	0.10831	0.29108	-4.8892	9220
SLC25A5-AS1	-0.13515	0.13515	0.29468	-1.7178	0.10831	0.29108	-4.8892	1E+08
DNASE1	-0.27003	0.27003	0.5688	-1.7178	0.10831	0.29108	-4.8892	1773
SEC11A	5.9372	5.9372	14.695	1.7177	0.10832	0.29108	-4.8893	23478
FKBP3	3.1599	3.1599	7.778	1.7177	0.10834	0.29108	-4.8894	2287

KLK1	-2.2201	2.2201	1.9042	-1.7176	0.10834	0.29108	-4.8894	3816
KMT2E	-2.0076	2.0076	9.8001	-1.7174	0.10838	0.29113	-4.8897	55904
SLC2A3	4.1494	4.1494	5.6882	1.717	0.10847	0.29132	-4.8904	6515
LRRC42	1.4894	1.4894	4.7295	1.7166	0.10853	0.29142	-4.8909	115353
SLC27A4	8.7195	8.7195	15.861	1.7165	0.10854	0.29142	-4.891	10999
GRAMD2B	2.5116	2.5116	4.8619	1.7165	0.10855	0.29142	-4.8911	65983
IPPK	3.1347	3.1347	10.414	1.7163	0.1086	0.29145	-4.8914	64768
PSMC1	7.4383	7.4383	22.605	1.7161	0.10863	0.29145	-4.8916	5700
ZNF526	-0.6606	0.6606	2.3128	-1.716	0.10864	0.29145	-4.8917	116115
EFCAB13	-0.25898	0.25898	0.50854	-1.716	0.10864	0.29145	-4.8918	124989
ARHGAP21	3.1891	3.1891	7.7023	1.7159	0.10866	0.29145	-4.8919	57584
ZRSR2	-0.41104	0.41104	1.532	-1.7159	0.10867	0.29145	-4.892	8233
MALINC1	-0.1271	0.1271	0.24871	-1.7157	0.1087	0.29147	-4.8922	1.01E+08
NCOA2	-1.1867	1.1867	4.949	-1.7156	0.10871	0.29147	-4.8923	10499
LOC728392	-1.4885	1.4885	2.6984	-1.7153	0.10877	0.29157	-4.8927	728392
RNASEH2B-AS1	-0.11177	0.11177	0.11728	-1.7148	0.10887	0.29168	-4.8935	1.01E+08
SRA1	1.6112	1.6112	5.1342	1.7148	0.10887	0.29168	-4.8935	10011
CBFB	1.6699	1.6699	5.5566	1.7148	0.10888	0.29168	-4.8936	865
ZNF891	-0.27472	0.27472	0.79077	-1.7147	0.10889	0.29168	-4.8936	1.01E+08
KCNRG	-0.2278	0.2278	0.65361	-1.7146	0.10891	0.29168	-4.8938	283518
PDE7B	0.8117	0.8117	0.90901	1.7146	0.10892	0.29168	-4.8939	27115
MCEE	2.284	2.284	4.5014	1.7145	0.10893	0.29168	-4.894	84693
TMED3	2.953	2.953	7.3496	1.7143	0.10896	0.29168	-4.8942	23423
TAF11	1.6754	1.6754	6.3049	1.7143	0.10896	0.29168	-4.8942	6882
MAPK7	2.2268	2.2268	6.4168	1.7138	0.10907	0.29188	-4.895	5598
TRPC4AP	3.1046	3.1046	14.173	1.7137	0.10907	0.29188	-4.8951	26133

CD59	16.423	16.423	31.885	1.7136	0.10909	0.29188	-4.8952	966
DYNLT1	10.079	10.079	17.669	1.7135	0.10911	0.29188	-4.8954	6993
SLC16A9	1.0522	1.0522	1.5572	1.7134	0.10912	0.29188	-4.8955	220963
UCP3	-0.13314	0.13314	0.23454	-1.7132	0.10917	0.29196	-4.8958	7352
SNORA64	-0.69605	0.69605	0.88786	-1.713	0.10921	0.29197	-4.8962	26784
GSTT2	-0.13586	0.13586	0.15275	-1.713	0.10921	0.29197	-4.8962	2953
CAPN10-DT	-0.18132	0.18132	0.55125	-1.7129	0.10923	0.29197	-4.8963	1.02E+08
AKAP8L	-1.5523	1.5523	7.0108	-1.7127	0.10927	0.29203	-4.8966	26993
TBX4	-0.42163	0.42163	0.58945	-1.7123	0.10934	0.29217	-4.8971	9496
TPD52L2	10.623	10.623	24.584	1.7117	0.10945	0.29239	-4.898	7165
EMILIN3	-0.24689	0.24689	0.61262	-1.7116	0.10947	0.29239	-4.8981	90187
NSMCE2	1.0587	1.0587	3.4047	1.7116	0.10948	0.29239	-4.8982	286053
SNORA12	-2.4781	2.4781	1.9144	-1.7115	0.10949	0.29239	-4.8983	677800
HAND2-AS1	-0.12205	0.12205	0.11206	-1.7112	0.10954	0.29245	-4.8987	79804
NTN4	-0.80905	0.80905	2.1659	-1.7111	0.10957	0.29245	-4.8989	59277
RAB40C	-3.0061	3.0061	7.4991	-1.711	0.10958	0.29245	-4.899	57799
TRPA1	0.3436	0.3436	0.21049	1.7108	0.10961	0.29245	-4.8992	8989
RBMS3	-0.85105	0.85105	1.4797	-1.7108	0.10963	0.29245	-4.8993	27303
DDX39A	3.7688	3.7688	9.5314	1.7106	0.10967	0.29245	-4.8996	10212
SGCG	-0.18638	0.18638	0.17086	-1.7105	0.10967	0.29245	-4.8997	6445
PIAS1	-1.2118	1.2118	4.2979	-1.7105	0.10968	0.29245	-4.8997	8554
SPDYE2	-0.43005	0.43005	0.78749	-1.7103	0.10971	0.29245	-4.9	441273
SPDYE2B	-0.43005	0.43005	0.78749	-1.7103	0.10971	0.29245	-4.9	1E+08
BCL2A1	4.2629	4.2629	3.1813	1.7103	0.10971	0.29245	-4.9	597
C19orf54	-0.37558	0.37558	1.3838	-1.7103	0.10972	0.29245	-4.9	284325
SFXN1	1.4989	1.4989	3.448	1.7097	0.10983	0.29252	-4.9009	94081

CNTN4	-0.1607	0.1607	0.18633	-1.7097	0.10983	0.29252	-4.9009	152330
LARP1B	0.26108	0.26108	1.2534	1.7095	0.10988	0.29252	-4.9012	55132
TMEM170A	0.3569	0.3569	1.5552	1.7095	0.10988	0.29252	-4.9012	124491
YTHDC1	-0.48348	0.48348	2.2876	-1.7095	0.10988	0.29252	-4.9013	91746
PIK3CD	1.2196	1.2196	2.6143	1.7095	0.10988	0.29252	-4.9013	5293
MAN1B1-DT	-0.33035	0.33035	0.72678	-1.7094	0.10989	0.29252	-4.9013	1E+08
LAS1L	-1.6272	1.6272	5.703	-1.7094	0.10989	0.29252	-4.9014	81887
PCOLCE-AS1	-0.10807	0.10807	0.090528	-1.7093	0.1099	0.29252	-4.9014	1E+08
ATP5MF	18.936	18.936	39.599	1.7092	0.10993	0.29256	-4.9017	9551
RGS10	2.5891	2.5891	5.6365	1.7089	0.10998	0.29265	-4.9021	6001
FERMT2	3.1336	3.1336	4.9524	1.7088	0.11001	0.29267	-4.9023	10979
RPL13AP6	-0.37025	0.37025	0.88957	-1.7085	0.11005	0.29271	-4.9026	644511
LRRC75A	-0.4577	0.4577	1.3101	-1.7085	0.11006	0.29271	-4.9027	388341
PSMB7	13.242	13.242	35.535	1.7076	0.11023	0.29311	-4.9039	5695
GNG12-AS1	-0.22145	0.22145	0.28587	-1.7073	0.11029	0.29324	-4.9044	1E+08
NEK5	-0.14554	0.14554	0.26837	-1.707	0.11035	0.2933	-4.9049	341676
PEX12	-0.29872	0.29872	0.97956	-1.7069	0.11036	0.2933	-4.905	5193
LRR1	0.57564	0.57564	1.3022	1.7069	0.11037	0.2933	-4.905	122769
NUDCD1	0.72409	0.72409	1.658	1.7067	0.1104	0.29335	-4.9053	84955
CDK1	1.1903	1.1903	1.557	1.7065	0.11045	0.29342	-4.9056	983
GNG14	-0.18774	0.18774	0.23485	-1.7063	0.11049	0.29347	-4.9059	1.05E+08
TTLL7	0.21244	0.21244	0.4848	1.7061	0.11051	0.29348	-4.9061	79739
PAN3-AS1	-0.57953	0.57953	0.65225	-1.7059	0.11054	0.2935	-4.9063	1E+08
YAP1	3.9133	3.9133	15.687	1.7059	0.11055	0.2935	-4.9064	10413
ZNF85	0.30802	0.30802	0.70321	1.7058	0.11058	0.29351	-4.9066	7639
RTL5	-0.44668	0.44668	0.82015	-1.7057	0.11059	0.29351	-4.9067	340526

KLHL7	0.55293	0.55293	2.4879	1.7053	0.11067	0.29369	-4.9073	55975
RNF19B	4.4098	4.4098	10.863	1.7046	0.1108	0.29398	-4.9083	127544
CRKL	2.769	2.769	11.71	1.7044	0.11084	0.29399	-4.9086	1399
FAM83G	16.85	16.85	32.064	1.7043	0.11086	0.29399	-4.9087	644815
LIMA1	13.335	13.335	25.14	1.7043	0.11086	0.29399	-4.9088	51474
GDPD5	-0.37114	0.37114	0.73269	-1.7042	0.11087	0.29399	-4.9088	81544
AOC4P	-0.18948	0.18948	0.18895	-1.7041	0.11089	0.29399	-4.909	90586
OGG1	-0.53959	0.53959	1.8473	-1.7038	0.11094	0.29403	-4.9094	4968
EEF1E1-BLOC1S5	0.4724	0.4724	0.94394	1.7038	0.11095	0.29403	-4.9094	1.01E+08
CENPQ	0.5789	0.5789	0.86618	1.7038	0.11095	0.29403	-4.9095	55166
UGDH	3.3305	3.3305	7.6074	1.7036	0.11099	0.29407	-4.9097	7358
TAF7L	-0.13825	0.13825	0.18649	-1.7034	0.11104	0.29412	-4.9101	54457
TBCB	3.6126	3.6126	8.6191	1.7033	0.11104	0.29412	-4.9101	1155
FAM102B	0.90721	0.90721	2.2191	1.7032	0.11106	0.29413	-4.9103	284611
TFPI2	0.35755	0.35755	0.32425	1.703	0.11111	0.29418	-4.9105	7980
BICD2	15.896	15.896	33.103	1.7027	0.11116	0.29426	-4.911	23299
BVES	0.29162	0.29162	0.43885	1.7026	0.11118	0.29426	-4.9112	11149
LRRC46	-0.12539	0.12539	0.15868	-1.7026	0.11118	0.29426	-4.9112	90506
ZNF785	-0.73054	0.73054	1.5905	-1.7024	0.11123	0.29431	-4.9115	146540
HSD17B7	-0.64202	0.64202	1.5952	-1.7021	0.11128	0.29431	-4.9119	51478
UBIAD1	-0.34885	0.34885	1.1514	-1.702	0.11129	0.29431	-4.912	29914
ANO2	-0.25975	0.25975	0.54681	-1.702	0.1113	0.29431	-4.912	57101
SRRD	1.3232	1.3232	3.7027	1.702	0.1113	0.29431	-4.9121	402055
PRH1	-0.24056	0.24056	0.58541	-1.7019	0.11132	0.29431	-4.9122	5554
HSPA4	5.2382	5.2382	14.627	1.7019	0.11132	0.29431	-4.9122	3308
TAP1	-0.69364	0.69364	1.5069	-1.7017	0.11135	0.29433	-4.9124	6890

PRORS1P	-0.20193	0.20193	0.33565	-1.7015	0.1114	0.29442	-4.9128	344405
CCT4	9.8558	9.8558	24.831	1.701	0.11149	0.2946	-4.9135	10575
HBA2	14.782	14.782	11.025	1.7007	0.11154	0.2947	-4.9139	3040
ABHD5	3.7636	3.7636	5.8272	1.7004	0.11159	0.2948	-4.9143	51099
SLC25A40	-0.49523	0.49523	1.5302	-1.6998	0.11172	0.29508	-4.9152	55972
LOC100507516	-0.34306	0.34306	0.49872	-1.6997	0.11174	0.29508	-4.9154	1.01E+08
COX6B2	-0.15378	0.15378	0.20998	-1.6987	0.11193	0.29554	-4.9168	125965
APOBEC3F	-0.27022	0.27022	0.40603	-1.6986	0.11195	0.29555	-4.9169	200316
IGLL5	-4.4714	4.4714	4.8779	-1.6982	0.11203	0.29568	-4.9176	1E+08
SNTG2	-0.27966	0.27966	0.58566	-1.6982	0.11203	0.29568	-4.9176	54221
ATAD2B	-0.72063	0.72063	3.646	-1.698	0.11205	0.29569	-4.9177	54454
HPDL	-0.24035	0.24035	0.61075	-1.6979	0.11209	0.29574	-4.918	84842
ZFAND2A	2.8161	2.8161	5.0003	1.6974	0.11218	0.29594	-4.9187	90637
ABLIM2	-0.55031	0.55031	1.3735	-1.6971	0.11224	0.29601	-4.9191	84448
SELL	1.5432	1.5432	1.5944	1.697	0.11225	0.29601	-4.9192	6402
RGL1	-1.2914	1.2914	3.6883	-1.697	0.11226	0.29601	-4.9193	23179
FEZ1	1.0151	1.0151	1.7756	1.6967	0.11231	0.2961	-4.9197	9638
RBM14	-1.1553	1.1553	5.1147	-1.6959	0.11248	0.29648	-4.9209	10432
SLC48A1	-1.0333	1.0333	5.3106	-1.6949	0.11266	0.29691	-4.9222	55652
SOX13	-1.3954	1.3954	2.6789	-1.6944	0.11276	0.29711	-4.923	9580
GTF2H1	1.4375	1.4375	4.8558	1.6943	0.11277	0.29711	-4.9231	2965
NDUFA12	7.1326	7.1326	17.88	1.6942	0.11279	0.29711	-4.9232	55967
ATP5MG	10.494	10.494	24.436	1.6941	0.11283	0.29717	-4.9235	10632
ALS2	-0.28101	0.28101	1.9469	-1.6938	0.11287	0.29723	-4.9238	57679
SLC25A37	-0.43907	0.43907	2.6539	-1.6935	0.11293	0.29734	-4.9242	51312
HBB	24.937	24.937	14.347	1.6929	0.11304	0.2976	-4.9251	3043

PEMT	-1.4063	1.4063	4.1817	-1.6925	0.11312	0.29777	-4.9257	10400
SEC23B	1.8983	1.8983	6.1495	1.6924	0.11315	0.29778	-4.9259	10483
CPLX3	0.76549	0.76549	0.5433	1.6923	0.11317	0.29779	-4.9261	594855
CERS3	7.7421	7.7421	16.783	1.6921	0.1132	0.29779	-4.9263	204219
ARL4D	9.8262	9.8262	18.406	1.6921	0.1132	0.29779	-4.9263	379
RTL8C	9.8547	9.8547	25.508	1.6919	0.11325	0.29786	-4.9266	8933
MUSTN1	-4.5199	4.5199	3.3837	-1.6912	0.11337	0.298	-4.9276	389125
TMBIM6	18.811	18.811	63.554	1.6912	0.11338	0.298	-4.9276	7009
SMS	4.889	4.889	7.9878	1.691	0.11341	0.298	-4.9278	6611
TANGO6	-0.44038	0.44038	2.359	-1.691	0.11342	0.298	-4.9279	79613
ACP7	12.152	12.152	12.295	1.691	0.11342	0.298	-4.9279	390928
TCERG1	-1.3375	1.3375	6.9912	-1.691	0.11342	0.298	-4.9279	10915
ADAR	-7.7763	7.7763	19.483	-1.6909	0.11344	0.298	-4.928	103
PTPN11	4.0792	4.0792	14.163	1.6905	0.11351	0.298	-4.9285	5781
RET	0.33218	0.33218	0.40413	1.6905	0.11351	0.298	-4.9286	5979
FSTL1	33.947	33.947	54.63	1.6905	0.11351	0.298	-4.9286	11167
RPL36A-HNRNPH2	3.4365	3.4365	10.7	1.6905	0.11351	0.298	-4.9286	1.01E+08
LETM2	0.16243	0.16243	0.2798	1.6904	0.11354	0.298	-4.9288	137994
FZD1	-2.5307	2.5307	8.1929	-1.6904	0.11354	0.298	-4.9288	8321
LDB3	-0.43037	0.43037	0.50897	-1.6903	0.11355	0.298	-4.9289	11155
ISOC1	-1.1852	1.1852	4.0011	-1.6902	0.11356	0.298	-4.929	51015
LINC01698	-0.32011	0.32011	0.21019	-1.69	0.11361	0.29806	-4.9293	1.02E+08
INO80D	-0.76942	0.76942	3.7512	-1.6899	0.11363	0.29809	-4.9295	54891
NAA40	-0.56262	0.56262	1.7393	-1.6896	0.1137	0.29814	-4.9299	79829
SDCBP2-AS1	-0.53905	0.53905	1.4175	-1.6895	0.1137	0.29814	-4.93	1.01E+08
TMEM263	1.3946	1.3946	2.3213	1.6895	0.11371	0.29814	-4.93	90488

OR10AD1	-0.11364	0.11364	0.1265	-1.6892	0.11377	0.29826	-4.9305	121275
IDUA	-1.0809	1.0809	1.9949	-1.689	0.11381	0.2983	-4.9307	3425
ATP5PF	3.4967	3.4967	7.7946	1.6888	0.11385	0.29834	-4.931	522
SGCA	-0.89701	0.89701	0.85314	-1.6888	0.11386	0.29834	-4.9311	6442
GPR183	1.4103	1.4103	3.0681	1.6886	0.11389	0.29839	-4.9314	1880
GDI2	14.96	14.96	43.268	1.6882	0.11397	0.29854	-4.9319	2665
NPLOC4	4.2506	4.2506	15.467	1.6879	0.11402	0.29862	-4.9323	55666
CDKN3	1.2883	1.2883	1.5081	1.6875	0.1141	0.29878	-4.9329	1033
AURKA	0.88086	0.88086	1.2576	1.6874	0.11412	0.29878	-4.933	6790
LOC101928510	-0.17205	0.17205	0.34863	-1.6874	0.11413	0.29878	-4.9331	1.02E+08
RBM27	-0.72255	0.72255	3.9793	-1.6872	0.11416	0.29881	-4.9334	54439
ZNF579	-1.1342	1.1342	2.1637	-1.6871	0.11417	0.29881	-4.9335	163033
ZNF74	-0.39278	0.39278	0.98444	-1.6867	0.11425	0.29895	-4.934	7625
FSBP	-0.13984	0.13984	0.32393	-1.6864	0.11431	0.29903	-4.9345	1.01E+08
PAK1	1.3024	1.3024	4.9771	1.6864	0.11431	0.29903	-4.9345	5058
XXYLT1	0.92444	0.92444	3.4568	1.6863	0.11434	0.29904	-4.9346	152002
KIF2A	1.0377	1.0377	4.0053	1.6855	0.1145	0.29942	-4.9358	3796
TDRD3	-0.72362	0.72362	3.255	-1.6851	0.11457	0.29957	-4.9364	81550
FGGY	-0.23155	0.23155	1.0997	-1.6849	0.11461	0.29962	-4.9366	55277
RAB38	10.274	10.274	20.318	1.6847	0.11464	0.29966	-4.9369	23682
SLC10A7	0.19306	0.19306	0.76189	1.6842	0.11474	0.29982	-4.9376	84068
NEDD8	21.844	21.844	46.261	1.6842	0.11475	0.29982	-4.9377	4738
VPS35L	1.1178	1.1178	5.9917	1.6841	0.11477	0.29982	-4.9378	57020
ZNF821	-0.31239	0.31239	1.0805	-1.6841	0.11477	0.29982	-4.9379	55565
TULP1	-0.15463	0.15463	0.20903	-1.6839	0.1148	0.29985	-4.9381	7287
NAGK	6.6396	6.6396	16.676	1.6835	0.11488	0.3	-4.9386	55577

ZNF391	-0.11746	0.11746	0.3372	-1.683	0.11499	0.30023	-4.9394	346157
LOC101927539	-0.12539	0.12539	0.14002	-1.6827	0.11504	0.30029	-4.9398	1.02E+08
H1FX-AS1	-0.29828	0.29828	0.50576	-1.6827	0.11504	0.30029	-4.9398	339942
C1D	1.1606	1.1606	2.9156	1.6823	0.11511	0.30042	-4.9403	10438
FAM183A	-0.29417	0.29417	0.37077	-1.682	0.11519	0.30052	-4.9409	440585
CRCP	-1.0003	1.0003	5.7548	-1.6818	0.11522	0.30052	-4.9411	27297
ARAP2	2.9453	2.9453	8.0514	1.6818	0.11522	0.30052	-4.9411	116984
AP5Z1	-1.2909	1.2909	4.1869	-1.6817	0.11524	0.30052	-4.9413	9907
AGPAT4-IT1	0.74449	0.74449	0.76643	1.6816	0.11525	0.30052	-4.9413	79992
VPS9D1-AS1	-0.6546	0.6546	1.4249	-1.6816	0.11526	0.30052	-4.9414	1E+08
GNG10	5.1205	5.1205	6.5793	1.6815	0.11527	0.30052	-4.9415	2790
ANGEL2	-0.58091	0.58091	2.1756	-1.6812	0.11533	0.30056	-4.9419	90806
NT5DC1	-1.0145	1.0145	3.5378	-1.6812	0.11533	0.30056	-4.9419	221294
WDR43	2.6936	2.6936	8.0296	1.6812	0.11534	0.30056	-4.942	23160
NWD2	0.20688	0.20688	0.25954	1.6807	0.11544	0.30071	-4.9427	57495
COG7	-0.5691	0.5691	3.2397	-1.6806	0.11545	0.30071	-4.9428	91949
MFAP2	10.821	10.821	13.024	1.6805	0.11548	0.30071	-4.943	4237
SLC9A1	3.5442	3.5442	7.7554	1.6804	0.1155	0.30071	-4.9431	6548
ZNF205-AS1	-0.12428	0.12428	0.15514	-1.6804	0.1155	0.30071	-4.9431	81854
GSG1	-0.11286	0.11286	0.11806	-1.6804	0.11551	0.30071	-4.9432	83445
IGSF8	5.0297	5.0297	13.213	1.6801	0.11555	0.30075	-4.9435	93185
SDHB	5.1386	5.1386	13.041	1.68	0.11557	0.30075	-4.9436	6390
GTF2H2B	-0.75171	0.75171	1.9175	-1.68	0.11557	0.30075	-4.9437	653238
FAM238C	-0.36412	0.36412	0.80486	-1.6797	0.11564	0.30082	-4.9441	387644
RPTN	5.1997	5.1997	5.6008	1.6796	0.11565	0.30082	-4.9442	126638
DDX42	-2.7359	2.7359	12.63	-1.6796	0.11566	0.30082	-4.9443	11325

P4HA3	1.8246	1.8246	1.6795	1.6792	0.11574	0.30096	-4.9449	283208
GLA	1.2441	1.2441	3.3173	1.6791	0.11574	0.30096	-4.9449	2717
TNKS2	1.4161	1.4161	9.4266	1.6788	0.11582	0.30111	-4.9455	80351
BORCS7	0.91157	0.91157	3.126	1.6786	0.11585	0.30114	-4.9457	119032
SLC30A6	0.65112	0.65112	2.5681	1.6785	0.11587	0.30114	-4.9458	55676
LTN1	0.87422	0.87422	3.7614	1.6778	0.11602	0.30148	-4.9469	26046
PRCP	5.0244	5.0244	13.01	1.6766	0.11625	0.30204	-4.9485	5547
STOML1	-0.65394	0.65394	1.4775	-1.6763	0.1163	0.3021	-4.9489	9399
LNCTAM34A	-0.18041	0.18041	0.30807	-1.6763	0.11631	0.3021	-4.949	1.03E+08
THBS1	46.181	46.181	51.364	1.6762	0.11634	0.30211	-4.9492	7057
LOC105376114	0.16651	0.16651	0.27999	1.6761	0.11636	0.30211	-4.9493	1.05E+08
ZNF70	-0.49315	0.49315	1.1454	-1.676	0.11637	0.30211	-4.9494	7621
FAM24B	-0.19388	0.19388	0.40477	-1.6759	0.11639	0.30213	-4.9496	196792
LINC00235	-0.38615	0.38615	0.57548	-1.6757	0.11642	0.30215	-4.9498	64493
ARMC2	-0.16798	0.16798	0.41756	-1.6757	0.11644	0.30215	-4.9499	84071
CALM2	7.5272	7.5272	17.281	1.6753	0.1165	0.30228	-4.9504	805
FSCN2	-0.25166	0.25166	0.47338	-1.6748	0.11662	0.30252	-4.9512	25794
DYSF	3.1492	3.1492	4.5777	1.6745	0.11667	0.30263	-4.9516	8291
PDPR	-1.0977	1.0977	3.7586	-1.6742	0.11672	0.30271	-4.9519	55066
NHS	-0.30059	0.30059	0.84531	-1.6741	0.11675	0.30272	-4.9521	4810
GPR17	-0.71764	0.71764	0.96793	-1.674	0.11676	0.30272	-4.9522	2840
CCDC59	0.84614	0.84614	2.9342	1.6737	0.11682	0.30277	-4.9526	29080
LILRA1	0.23121	0.23121	0.21692	1.6737	0.11683	0.30277	-4.9527	11024
CRYBG3	1.3858	1.3858	7.1414	1.6736	0.11684	0.30277	-4.9528	131544
UBE2Q2P1	-1.2732	1.2732	3.0818	-1.6734	0.11689	0.30284	-4.9531	388165
EHD1	3.8626	3.8626	9.5535	1.6733	0.1169	0.30284	-4.9532	10938

OVCH2	-0.3903	0.3903	0.51917	-1.6728	0.11701	0.30306	-4.954	341277
NXN	4.618	4.618	12.221	1.6727	0.11704	0.30306	-4.9542	64359
MGMT	-1.576	1.576	4.2745	-1.6726	0.11704	0.30306	-4.9542	4255
UHRF1BP1L	0.90421	0.90421	3.4487	1.6726	0.11706	0.30306	-4.9543	23074
PCLAF	1.6624	1.6624	2.7504	1.6722	0.11713	0.30321	-4.9549	9768
CACTIN	-1.1855	1.1855	3.2046	-1.6719	0.11718	0.30327	-4.9552	58509
ATP5MPL	9.7651	9.7651	17.185	1.6719	0.11719	0.30327	-4.9553	9556
PPID	1.2097	1.2097	4.3815	1.6716	0.11725	0.30337	-4.9557	5481
UQCC1	-0.89866	0.89866	3.6274	-1.6715	0.11727	0.30337	-4.9558	55245
UBA3	2.8254	2.8254	8.0584	1.6713	0.11731	0.30344	-4.9561	9039
SLURP2	76.943	76.943	115.35	1.6706	0.11744	0.30373	-4.9571	432355
CUL2	0.92353	0.92353	3.1578	1.6705	0.11746	0.30374	-4.9572	8453
ADRA2A	-3.7905	3.7905	3.1365	-1.6703	0.11751	0.30378	-4.9576	150
ARRB1	-1.1397	1.1397	4.5218	-1.6703	0.11751	0.30378	-4.9576	408
ADGRL4	2.2268	2.2268	3.5325	1.6701	0.11755	0.30383	-4.9578	64123
MDFI	7.9733	7.9733	12.234	1.6696	0.11765	0.304	-4.9586	4188
PLIN3	14.109	14.109	29.768	1.6696	0.11766	0.304	-4.9586	10226
ENPP3	-0.1417	0.1417	0.17263	-1.6695	0.11767	0.304	-4.9587	5169
CPA3	3.7409	3.7409	7.5548	1.6691	0.11776	0.30416	-4.9593	1359
FBRSL1	-1.3413	1.3413	4.4917	-1.6688	0.11781	0.30416	-4.9597	57666
CTB-178M22.2	0.15581	0.15581	0.26673	1.6688	0.11781	0.30416	-4.9597	1.02E+08
SEN3-EIF4A1	-0.32944	0.32944	0.54877	-1.6688	0.11781	0.30416	-4.9597	1.01E+08
SPIN3	-0.19046	0.19046	0.58826	-1.6687	0.11782	0.30416	-4.9598	169981
SLC35B3	0.6067	0.6067	2.1443	1.6684	0.1179	0.30427	-4.9603	51000
FBXO48	0.17184	0.17184	0.44628	1.6683	0.1179	0.30427	-4.9603	554251
VTN	-0.15994	0.15994	0.2251	-1.6681	0.11795	0.30434	-4.9607	7448

SMCR5	-0.26095	0.26095	0.52924	-1.668	0.11797	0.30436	-4.9608	140771
PTCSC1	-0.2477	0.2477	0.36972	-1.6678	0.11802	0.30443	-4.9612	1E+08
MFSD2A	-3.9769	3.9769	8.815	-1.6676	0.11805	0.30447	-4.9614	84879
PLAC9	-3.9432	3.9432	5.8441	-1.6675	0.11807	0.30447	-4.9615	219348
SNRPB2	2.8403	2.8403	6.2235	1.6671	0.11815	0.30463	-4.9621	6629
PDHB	3.8459	3.8459	10.878	1.6668	0.1182	0.30472	-4.9625	5162
WDR35	-0.37371	0.37371	1.0605	-1.6666	0.11825	0.30473	-4.9628	57539
LOC100126784	-0.31269	0.31269	0.60684	-1.6666	0.11825	0.30473	-4.9628	1E+08
KIF11	0.82108	0.82108	1.6297	1.6665	0.11826	0.30473	-4.9629	3832
PKP1	132.98	132.98	326.14	1.6663	0.1183	0.30479	-4.9632	5317
ADAMTS10	-1.3996	1.3996	2.3343	-1.666	0.11838	0.30494	-4.9637	81794
ETV5	-1.1953	1.1953	2.4444	-1.6658	0.11842	0.30498	-4.964	2119
DTNBP1	-0.5093	0.5093	1.8327	-1.6657	0.11843	0.30498	-4.9641	84062
MBD2	2.7565	2.7565	9.7522	1.6656	0.11845	0.30498	-4.9642	8932
FAM3C	1.8956	1.8956	7.1028	1.6653	0.11852	0.3051	-4.9647	10447
LINC02159	0.39821	0.39821	0.44333	1.6652	0.11853	0.3051	-4.9648	285629
MS4A2	-0.40894	0.40894	0.7076	-1.6645	0.11867	0.30542	-4.9658	2206
BOLA2B	5.4358	5.4358	9.2851	1.6643	0.11872	0.3055	-4.9661	654483
METTL7A	-4.2076	4.2076	9.0975	-1.6641	0.11876	0.30554	-4.9664	25840
MYBBP1A	-2.7774	2.7774	7.3199	-1.6639	0.11879	0.30554	-4.9666	10514
CNTD1	-0.1804	0.1804	0.33075	-1.6639	0.11879	0.30554	-4.9666	124817
BBS4	-0.52816	0.52816	1.5263	-1.6637	0.11884	0.30561	-4.9669	585
DBP	-2.9013	2.9013	4.5762	-1.6632	0.11894	0.30583	-4.9677	1628
CDK20	-0.24347	0.24347	0.56046	-1.6627	0.11903	0.30593	-4.9683	23552
ITGA5	10.079	10.079	16.114	1.6627	0.11903	0.30593	-4.9683	3678
ZSCAN21	-0.33515	0.33515	1.5117	-1.6626	0.11906	0.30593	-4.9685	7589

IFRD2	3.7823	3.7823	8.8118	1.6625	0.11908	0.30593	-4.9686	7866
CFLAR-AS1	-0.44505	0.44505	0.90298	-1.6625	0.11908	0.30593	-4.9686	65072
SLC35F3	0.25313	0.25313	0.44632	1.6625	0.11909	0.30593	-4.9687	148641
SERPINB1	52.204	52.204	38.144	1.6621	0.11915	0.30599	-4.9691	1992
MBD6	-1.9788	1.9788	8.6769	-1.6621	0.11915	0.30599	-4.9691	114785
LOC105371267	-0.30596	0.30596	0.42179	-1.6621	0.11917	0.30599	-4.9692	1.05E+08
RPS14P3	-0.38589	0.38589	0.84291	-1.6618	0.11922	0.30608	-4.9696	644068
UBE3D	-0.14117	0.14117	0.49539	-1.6616	0.11925	0.30612	-4.9699	90025
ANKRD18B	-0.32808	0.32808	0.59196	-1.661	0.11938	0.30641	-4.9708	441459
SUZ12	0.76367	0.76367	3.1444	1.6607	0.11944	0.3065	-4.9712	23512
NPEPL1	-1.9593	1.9593	6.0248	-1.6605	0.11949	0.3065	-4.9715	79716
IQCB1	-0.609	0.609	2.0984	-1.6605	0.11949	0.3065	-4.9715	9657
PTMA	-66.668	66.668	262.99	-1.6605	0.11949	0.3065	-4.9715	5757
SIDT2	-2.2496	2.2496	7.748	-1.6604	0.11951	0.3065	-4.9717	51092
PBK	0.71156	0.71156	0.92015	1.6602	0.11954	0.30653	-4.9718	55872
RARB	-0.18931	0.18931	0.36218	-1.6601	0.11958	0.30657	-4.9721	5915
VSIG4	-2.8403	2.8403	3.2355	-1.66	0.11959	0.30657	-4.9722	11326
PLEKHM1P1	-2.5094	2.5094	8.0118	-1.6598	0.11964	0.30658	-4.9725	440456
TIMMDC1	4.298	4.298	12.238	1.6597	0.11965	0.30658	-4.9726	51300
TNIK	-0.17675	0.17675	0.38451	-1.6596	0.11966	0.30658	-4.9727	23043
PRKCH	2.2364	2.2364	9.1845	1.6596	0.11967	0.30658	-4.9727	5583
ARHGAP35	-1.5003	1.5003	8.2574	-1.6591	0.11977	0.30679	-4.9734	2909
TMEM177	-0.24271	0.24271	0.62831	-1.659	0.1198	0.30681	-4.9737	80775
SERPINB3	126.44	126.44	129.13	1.6589	0.11982	0.30681	-4.9738	6317
CTDSP2	-6.1342	6.1342	26.322	-1.6588	0.11983	0.30681	-4.9739	10106
LY96	1.5678	1.5678	1.8713	1.6587	0.11985	0.30681	-4.974	23643

STK17B	1.7527	1.7527	4.6239	1.6582	0.11996	0.30705	-4.9748	9262
COA1	-0.43723	0.43723	2.4118	-1.6581	0.11999	0.30707	-4.975	55744
SPC24	0.49018	0.49018	0.8278	1.6578	0.12004	0.30716	-4.9753	147841
POLR3GL	-1.8853	1.8853	4.2408	-1.6576	0.12007	0.30719	-4.9756	84265
HNRNPUL2	-2.5773	2.5773	9.3792	-1.6575	0.12009	0.30719	-4.9757	221092
CPED1	-0.60754	0.60754	1.0596	-1.6575	0.1201	0.30719	-4.9758	79974
GID8	3.3593	3.3593	11.517	1.657	0.1202	0.30739	-4.9765	54994
SLC25A32	1.0979	1.0979	3.263	1.6567	0.12027	0.30751	-4.9769	81034
GNA11	-2.7962	2.7962	9.6238	-1.6566	0.12029	0.30752	-4.9771	2767
CIC	-3.9663	3.9663	8.874	-1.6563	0.12034	0.3076	-4.9774	23152
NPY4R2	-0.13557	0.13557	0.21767	-1.6561	0.12039	0.30767	-4.9777	1.01E+08
PCDHB18P	-0.21375	0.21375	0.4392	-1.656	0.12042	0.3077	-4.9779	54660
RBBP8NL	-0.75875	0.75875	0.98098	-1.6557	0.12046	0.30772	-4.9783	140893
ENKD1	-0.67721	0.67721	1.848	-1.6557	0.12048	0.30772	-4.9784	84080
EIF4H	42.809	42.809	89.941	1.6556	0.12049	0.30772	-4.9785	7458
UQCRQ	10.109	10.109	17.124	1.6554	0.12052	0.30772	-4.9787	27089
EVA1B	3.8927	3.8927	8.7973	1.6554	0.12054	0.30772	-4.9788	55194
WHAMMP2	-0.14702	0.14702	0.35027	-1.6553	0.12055	0.30772	-4.9789	440253
DMTF1	-1.1398	1.1398	4.3982	-1.6552	0.12057	0.30772	-4.979	9988
MIR6809	-0.2643	0.2643	0.27286	-1.6552	0.12058	0.30772	-4.9791	1.02E+08
FCGR3B	3.8258	3.8258	2.706	1.6551	0.12059	0.30772	-4.9791	2215
LOC105369507	-0.1164	0.1164	0.12489	-1.6549	0.12063	0.30778	-4.9794	1.05E+08
KCNAB2	-0.60572	0.60572	1.3242	-1.6545	0.12072	0.30797	-4.9801	8514
NIPIA8	-0.35083	0.35083	0.73085	-1.6542	0.12077	0.30804	-4.9804	1.01E+08
EMC7	3.987	3.987	13.416	1.6537	0.12087	0.30823	-4.9811	56851
MIEF2	-0.66564	0.66564	2.1287	-1.6537	0.12088	0.30823	-4.9811	125170

PIGB	0.36592	0.36592	1.3867	1.6533	0.12096	0.30837	-4.9817	9488
MYCBP2-AS1	-0.16216	0.16216	0.24133	-1.6533	0.12097	0.30837	-4.9818	1.01E+08
FZD4	-1.768	1.768	3.1201	-1.6532	0.12099	0.30838	-4.9819	8322
KDELR3	3.5242	3.5242	4.3539	1.6526	0.12111	0.30863	-4.9827	11015
NAA30	0.75672	0.75672	2.9512	1.6522	0.12118	0.30871	-4.9832	122830
RIOK2	0.54163	0.54163	1.5961	1.6522	0.12118	0.30871	-4.9832	55781
BCO2	-0.16257	0.16257	0.28377	-1.6522	0.12119	0.30871	-4.9833	83875
COL15A1	19.079	19.079	26.125	1.6519	0.12125	0.3088	-4.9837	1306
KPNA5	-0.45233	0.45233	1.392	-1.6516	0.1213	0.30889	-4.984	3841
LOC101929532	0.13004	0.13004	0.1128	1.6515	0.12134	0.30894	-4.9843	1.02E+08
TCAP	-0.12151	0.12151	0.1313	-1.6512	0.12139	0.30903	-4.9847	8557
CLEC2D	-0.32778	0.32778	0.69853	-1.6509	0.12146	0.30916	-4.9852	29121
TSNAX-DISC1	-0.13364	0.13364	0.22561	-1.6508	0.12149	0.30917	-4.9853	1E+08
TSTD3	-0.19679	0.19679	0.63041	-1.6505	0.12153	0.30921	-4.9856	1E+08
PIK3CB	-1.0169	1.0169	3.4449	-1.6505	0.12154	0.30921	-4.9857	5291
COL4A3	-0.15184	0.15184	0.14158	-1.65	0.12164	0.30942	-4.9864	1285
MMP11	15.342	15.342	10.295	1.6495	0.12175	0.30964	-4.9871	4320
CCZ1P-OR7E38P	1.2668	1.2668	3.4868	1.6494	0.12177	0.30964	-4.9873	389538
ARPC4	10.252	10.252	26.698	1.6493	0.12178	0.30964	-4.9873	10093
CCER2	-1.036	1.036	0.72177	-1.6491	0.12182	0.3097	-4.9876	643669
UQCRB	3.0164	3.0164	6.0019	1.6489	0.12186	0.30973	-4.9879	7381
ABHD3	0.62749	0.62749	1.3248	1.6489	0.12187	0.30973	-4.9879	171586
NR4A1	3.2794	3.2794	4.5959	1.6485	0.12195	0.30987	-4.9885	3164
USP18	-1.0571	1.0571	0.99002	-1.6483	0.12198	0.30987	-4.9887	11274
LOC100507291	-0.23707	0.23707	0.43534	-1.6483	0.12198	0.30987	-4.9887	1.01E+08
SP140	-0.13026	0.13026	0.21048	-1.6483	0.122	0.30987	-4.9888	11262

ADAMTS3	0.18667	0.18667	0.32603	1.648	0.12205	0.30995	-4.9892	9508
ZCCHC10	0.52001	0.52001	1.2959	1.6479	0.12209	0.31	-4.9894	54819
STAU2	0.74838	0.74838	2.9379	1.6474	0.12219	0.3101	-4.9901	27067
KIZ	-0.78746	0.78746	2.661	-1.6474	0.12219	0.3101	-4.9901	55857
RGS18	0.37978	0.37978	0.34251	1.6473	0.1222	0.3101	-4.9902	64407
RPL26L1	3.8089	3.8089	5.5853	1.6472	0.12222	0.3101	-4.9903	51121
ANKH	-1.6384	1.6384	6.2106	-1.6471	0.12224	0.3101	-4.9904	56172
IGFBP3	6.8952	6.8952	11.29	1.6471	0.12224	0.3101	-4.9904	3486
HSD17B2	-0.48215	0.48215	0.50908	-1.647	0.12226	0.31011	-4.9906	3294
UGT1A5	-0.13951	0.13951	0.096168	-1.6468	0.1223	0.31016	-4.9909	54579
RDH5	-0.58465	0.58465	1.2132	-1.6467	0.12232	0.31017	-4.991	5959
SRP9	7.6812	7.6812	20.811	1.6465	0.12236	0.31024	-4.9913	6726
MVK	4.5302	4.5302	9.3333	1.6461	0.12244	0.31029	-4.9918	4598
SAR1A	4.7039	4.7039	14.537	1.6461	0.12245	0.31029	-4.9919	56681
CETN2	3.266	3.266	8.2143	1.6461	0.12245	0.31029	-4.9919	1069
MYOSLID	0.22468	0.22468	0.3007	1.6461	0.12246	0.31029	-4.992	1.05E+08
SMG1P6	-0.14234	0.14234	0.21073	-1.6456	0.12255	0.31042	-4.9926	1E+08
MIR193BHG	0.55701	0.55701	1.6699	1.6455	0.12257	0.31042	-4.9927	1E+08
OAT	4.3675	4.3675	14.005	1.6455	0.12258	0.31042	-4.9928	4942
KCND3-IT1	-0.12652	0.12652	0.15226	-1.6455	0.12258	0.31042	-4.9928	1.01E+08
PAEP	1.7539	1.7539	0.96467	1.6453	0.12262	0.31047	-4.993	5047
PCDHGC5	0.35094	0.35094	0.73728	1.6451	0.12265	0.31047	-4.9933	56097
TPPP3	18.56	18.56	29.612	1.6451	0.12266	0.31047	-4.9933	51673
DCAF11	-1.3935	1.3935	5.5905	-1.6446	0.12276	0.31069	-4.994	80344
MTHFR	-1.2337	1.2337	3.9125	-1.644	0.12288	0.31087	-4.9948	4524
VPS37D	-0.23035	0.23035	0.36332	-1.644	0.12289	0.31087	-4.9948	155382

GNAS	7.2997	7.2997	24.274	1.644	0.12289	0.31087	-4.9949	2778
GUSBP5	-0.18954	0.18954	0.36227	-1.6438	0.12292	0.3109	-4.9951	441046
SPINK9	22.521	22.521	12.118	1.6436	0.12297	0.31098	-4.9954	643394
HEXB	6.443	6.443	14.582	1.6435	0.12299	0.31098	-4.9956	3074
SCML4	-0.12207	0.12207	0.12494	-1.6431	0.12307	0.31115	-4.9961	256380
WDR24	-1.0916	1.0916	3.0452	-1.6428	0.12314	0.31128	-4.9966	84219
EP300	-1.7161	1.7161	11.733	-1.6424	0.12322	0.31142	-4.9971	2033
COX7C	41.09	41.09	83.75	1.6419	0.12332	0.3116	-4.9978	1350
AP1S2	0.90432	0.90432	2.1275	1.6419	0.12333	0.3116	-4.9978	8905
SHANK2	0.54077	0.54077	1.204	1.6417	0.12336	0.31164	-4.998	22941
C15orf65	0.18669	0.18669	0.35409	1.641	0.12352	0.3119	-4.9991	145788
TMEM30B	2.0845	2.0845	5.116	1.641	0.12352	0.3119	-4.9991	161291
PSMD10	2.3719	2.3719	6.4544	1.6409	0.12354	0.3119	-4.9993	5716
CWC15	2.7787	2.7787	6.9675	1.6407	0.12357	0.3119	-4.9995	51503
NRP2	3.0282	3.0282	5.1764	1.6407	0.12357	0.3119	-4.9995	8828
OPN3	0.79386	0.79386	2.1135	1.6407	0.12358	0.3119	-4.9995	23596
PRKD3	-1.1627	1.1627	3.5261	-1.6405	0.12361	0.31194	-4.9997	23683
BBC3	-0.65327	0.65327	1.1985	-1.6402	0.12368	0.31208	-5.0002	27113
TFEB	-0.53781	0.53781	2.0269	-1.6395	0.12384	0.31234	-5.0013	7942
FCN1	0.37043	0.37043	0.44263	1.6393	0.12386	0.31234	-5.0014	2219
USP32P1	-1.419	1.419	1.5279	-1.6393	0.12387	0.31234	-5.0015	162632
RTRAF	10.091	10.091	23.615	1.6393	0.12387	0.31234	-5.0015	51637
GJB5	7.391	7.391	14.762	1.6393	0.12388	0.31234	-5.0015	2709
RPS6KA3	1.1704	1.1704	5.1665	1.6392	0.1239	0.31234	-5.0017	6197
EHD4	4.7892	4.7892	11.925	1.639	0.12393	0.31234	-5.0019	30844
P3H2-AS1	-0.37739	0.37739	0.76311	-1.639	0.12393	0.31234	-5.0019	1.02E+08

BOK	5.491	5.491	11.927	1.6389	0.12396	0.31235	-5.0021	666
LIMS2	-1.8648	1.8648	3.6907	-1.6388	0.12397	0.31235	-5.0022	55679
MEA1	3.783	3.783	9.0742	1.6381	0.12412	0.31266	-5.0031	4201
ZNF721	-1.1568	1.1568	2.9707	-1.6379	0.12417	0.31274	-5.0035	170960
CLEC5A	0.84759	0.84759	0.90873	1.6378	0.12418	0.31274	-5.0036	23601
AKAP5	-0.16601	0.16601	0.25312	-1.6376	0.12424	0.31283	-5.0039	9495
INSYN1	-0.22387	0.22387	0.42875	-1.6374	0.12428	0.31288	-5.0042	388135
SEM1	1.8735	1.8735	3.7425	1.6372	0.12431	0.31292	-5.0044	7979
SEC24B-AS1	-0.1814	0.1814	0.29725	-1.6369	0.12438	0.31303	-5.0049	1.01E+08
SPATA25	-0.26575	0.26575	0.40154	-1.6368	0.12439	0.31303	-5.005	128497
CTH	0.48551	0.48551	0.55752	1.6366	0.12444	0.31306	-5.0053	1491
SNORD136	-0.15932	0.15932	0.10106	-1.6366	0.12444	0.31306	-5.0053	1.07E+08
KIAA0825	-0.21762	0.21762	0.46037	-1.6365	0.12447	0.31308	-5.0055	285600
FAM43A	7.8643	7.8643	13.51	1.6363	0.12451	0.31315	-5.0058	131583
ZCCHC17	1.6964	1.6964	5.4031	1.6361	0.12454	0.31316	-5.0059	51538
REL	-2.1794	2.1794	5.0912	-1.6359	0.12458	0.31321	-5.0062	5966
ZCCHC8	0.36635	0.36635	2.3805	1.6356	0.12465	0.31331	-5.0067	55596
PADI1	-1.0622	1.0622	0.92268	-1.6356	0.12465	0.31331	-5.0067	29943
SRRM5	-0.18197	0.18197	0.27204	-1.6355	0.12467	0.31331	-5.0068	1E+08
KIAA0753	-0.30827	0.30827	1.511	-1.6351	0.12477	0.31335	-5.0075	9851
CNST	2.3625	2.3625	4.9656	1.6349	0.12481	0.31335	-5.0077	163882
BICD1	0.25748	0.25748	0.7236	1.6348	0.12482	0.31335	-5.0078	636
CAMK2N2	0.14126	0.14126	0.30788	1.6348	0.12482	0.31335	-5.0079	94032
JPH1	0.29355	0.29355	0.37177	1.6347	0.12485	0.31335	-5.008	56704
SGCB	1.4434	1.4434	2.8905	1.6346	0.12486	0.31335	-5.0081	6443
PCDHB15	-0.21726	0.21726	0.75486	-1.6346	0.12486	0.31335	-5.0081	56121

RGS3	1.664	1.664	3.1457	1.6345	0.12489	0.31335	-5.0083	5998
ERC1	2.173	2.173	9.1966	1.6344	0.1249	0.31335	-5.0084	23085
SLAIN2	3.5584	3.5584	9.1138	1.6344	0.12491	0.31335	-5.0084	57606
FASTKD5	0.84246	0.84246	3.4832	1.6344	0.12491	0.31335	-5.0084	60493
DES	-13.969	13.969	9.8503	-1.6344	0.12491	0.31335	-5.0084	1674
LOC729603	-0.5091	0.5091	1.2975	-1.6343	0.12493	0.31335	-5.0085	729603
CHD8	-1.587	1.587	8.8637	-1.634	0.12499	0.31345	-5.0089	57680
INTS12	1.2248	1.2248	3.8034	1.6338	0.12502	0.31349	-5.0092	57117
PPM1D	0.50305	0.50305	1.7566	1.6335	0.12509	0.31361	-5.0096	8493
KLHL5	1.0127	1.0127	2.3362	1.6334	0.12512	0.31366	-5.0098	51088
MKNK1-AS1	-0.13964	0.13964	0.28837	-1.6332	0.12515	0.31367	-5.01	1.01E+08
SART1	-2.2519	2.2519	5.863	-1.6327	0.12527	0.31392	-5.0108	9092
HECTD1	5.8028	5.8028	20.121	1.6325	0.1253	0.31395	-5.011	25831
PSMA3-AS1	-1.408	1.408	4.3556	-1.6318	0.12545	0.31426	-5.012	379025
PTCD3	-0.5648	0.5648	3.0493	-1.6318	0.12546	0.31426	-5.0121	55037
RAI1-AS1	-0.40302	0.40302	0.56335	-1.6315	0.12552	0.31438	-5.0125	1.01E+08
NSDHL	3.1666	3.1666	7.7985	1.6314	0.12555	0.31438	-5.0126	50814
PPP4C	8.9771	8.9771	25.487	1.6307	0.12569	0.3147	-5.0136	5531
CHST12	-1.0142	1.0142	2.9701	-1.6304	0.12575	0.31481	-5.014	55501
FAM21EP	-0.11585	0.11585	0.2709	-1.6302	0.12579	0.31485	-5.0142	1E+08
ZNF79	-0.37706	0.37706	1.7284	-1.6301	0.12582	0.31489	-5.0145	7633
SMIM26	4.4361	4.4361	11.673	1.6298	0.12587	0.31494	-5.0148	388789
SCML2	-0.11133	0.11133	0.19358	-1.6298	0.12588	0.31494	-5.0149	10389
DR1	2.3305	2.3305	9.8463	1.6297	0.1259	0.31494	-5.015	1810
AFG3L2	-2.0792	2.0792	10.309	-1.6294	0.12596	0.31505	-5.0154	10939
ARHGEF37	-3.3238	3.3238	10.528	-1.6293	0.12598	0.31505	-5.0155	389337

PCDHGA10	-0.5205	0.5205	1.6044	-1.629	0.12605	0.31517	-5.0159	56106
SELENOW	20.725	20.725	58.46	1.6288	0.12609	0.31522	-5.0162	6415
PWAR6	-0.21323	0.21323	0.34501	-1.6287	0.12612	0.31524	-5.0164	1.01E+08
ADIPOR2	6.2482	6.2482	14.181	1.6285	0.12615	0.31524	-5.0166	79602
GOLGA7	2.8236	2.8236	9.0368	1.6285	0.12616	0.31524	-5.0167	51125
ARMC2-AS1	-0.10418	0.10418	0.10717	-1.6284	0.12618	0.31524	-5.0168	1.02E+08
SEMA6A-AS1	-0.29151	0.29151	0.57501	-1.6284	0.12619	0.31524	-5.0169	1.02E+08
NUP50-DT	0.53526	0.53526	2.2945	1.6274	0.1264	0.31572	-5.0182	1.01E+08
LRRC37A2	-0.48897	0.48897	1.4459	-1.6271	0.12645	0.3158	-5.0186	474170
CHMP4C	6.4831	6.4831	8.7595	1.6269	0.12649	0.31586	-5.0189	92421
ACP4	-0.11684	0.11684	0.12903	-1.6267	0.12655	0.31595	-5.0192	93650
NXPH4	2.8619	2.8619	6.1128	1.6266	0.12657	0.31597	-5.0194	11247
SIRT2	3.053	3.053	10.89	1.6265	0.12659	0.31598	-5.0195	22933
GRAP	0.65573	0.65573	1.5345	1.6262	0.12665	0.31608	-5.0199	10750
JPH4	-0.12597	0.12597	0.18405	-1.626	0.12669	0.31614	-5.0202	84502
PTTG1IP	9.6375	9.6375	26.333	1.6258	0.12674	0.3162	-5.0205	754
TNS4	-8.3729	8.3729	31.751	-1.6257	0.12676	0.3162	-5.0206	84951
PDK4	-4.3556	4.3556	3.1612	-1.6253	0.12684	0.31634	-5.0211	5166
MRPL51	17.652	17.652	33.831	1.6253	0.12685	0.31634	-5.0212	51258
STMP1	2.811	2.811	7.7372	1.6251	0.12688	0.31636	-5.0214	647087
CD200	0.88868	0.88868	1.3869	1.6247	0.12697	0.31654	-5.022	4345
HSPB6	-6.2267	6.2267	6.2184	-1.6246	0.12699	0.31656	-5.0221	126393
DOCK1	-1.7169	1.7169	14.59	-1.6243	0.12706	0.31665	-5.0226	1793
ISY1	-0.55206	0.55206	2.4258	-1.6242	0.12707	0.31665	-5.0226	57461
PBDC1	1.5688	1.5688	5.3189	1.624	0.12713	0.31667	-5.023	51260
ZNF750	17.088	17.088	35.93	1.624	0.12713	0.31667	-5.023	79755

MORC3	2.0462	2.0462	7.0067	1.6239	0.12713	0.31667	-5.0231	23515
LOC729737	-2.3493	2.3493	4.6924	-1.6238	0.12717	0.3167	-5.0233	729737
ASCL2	-0.9896	0.9896	1.9175	-1.6237	0.12719	0.3167	-5.0234	430
IPW	-0.12568	0.12568	0.22839	-1.6236	0.1272	0.3167	-5.0235	3653
LOC644285	-0.30344	0.30344	0.69057	-1.6233	0.12726	0.31681	-5.0239	644285
NEMP2	-0.3584	0.3584	1.2299	-1.6233	0.12728	0.31681	-5.024	1E+08
MAATS1	-0.10359	0.10359	0.089131	-1.6231	0.12732	0.31686	-5.0243	89876
TBC1D3E	0.15678	0.15678	0.30665	1.6229	0.12735	0.31686	-5.0245	1.03E+08
STBD1	0.56755	0.56755	1.0606	1.6229	0.12736	0.31686	-5.0245	8987
REV3L	-1.8543	1.8543	4.674	-1.622	0.12756	0.31723	-5.0258	5980
EIF3C	-3.4282	3.4282	10.318	-1.6219	0.12756	0.31723	-5.0259	8663
NSMAF	-0.91093	0.91093	5.0138	-1.6219	0.12758	0.31723	-5.026	8439
LINC00582	-0.11979	0.11979	0.10669	-1.6217	0.12761	0.31723	-5.0261	1E+08
PRIMPOL	-0.30303	0.30303	1.1866	-1.6217	0.12762	0.31723	-5.0262	201973
MYO1H	0.30111	0.30111	0.52471	1.6217	0.12762	0.31723	-5.0262	283446
POM121L10P	-0.10606	0.10606	0.1465	-1.6216	0.12764	0.31723	-5.0264	646074
CLCN1	0.1418	0.1418	0.1289	1.6215	0.12766	0.31723	-5.0265	1180
LOC143666	-0.32684	0.32684	0.73569	-1.6214	0.12768	0.31724	-5.0266	143666
MIR4524B	-0.27201	0.27201	0.19015	-1.621	0.12777	0.31739	-5.0272	1.01E+08
CAPN7	-1.1684	1.1684	5.0673	-1.6209	0.12778	0.31739	-5.0273	23473
CALML6	-0.11379	0.11379	0.13201	-1.6209	0.1278	0.31739	-5.0274	163688
PAX8-AS1	1.5554	1.5554	3.0919	1.6206	0.12785	0.31746	-5.0277	654433
LAMA5-AS1	-0.33153	0.33153	0.50049	-1.6205	0.12788	0.31746	-5.0279	1.02E+08
DUSP7	9.6107	9.6107	23.124	1.6204	0.1279	0.31746	-5.028	1849
TXNRD1	1.9525	1.9525	5.4235	1.6204	0.1279	0.31746	-5.028	7296
TNFRSF10C	1.8923	1.8923	1.5744	1.6199	0.128	0.31765	-5.0287	8794

SAFB	-2.8046	2.8046	10.435	-1.6198	0.12803	0.31768	-5.0289	6294
CHL1-AS2	-0.31489	0.31489	0.1963	-1.6196	0.12807	0.31774	-5.0291	1.02E+08
PITPNM3	-1.6166	1.6166	4.411	-1.6194	0.12812	0.31777	-5.0295	83394
LRRC39	-0.14441	0.14441	0.20908	-1.6193	0.12812	0.31777	-5.0295	127495
ELP2	-0.74096	0.74096	4.1754	-1.6193	0.12814	0.31777	-5.0296	55250
SF3A1	-2.9897	2.9897	12.071	-1.6192	0.12816	0.31777	-5.0297	10291
PARD3	-3.4875	3.4875	10.048	-1.6189	0.12821	0.31786	-5.0301	56288
NIP7	2.5101	2.5101	6.0419	1.6186	0.12829	0.31796	-5.0305	51388
LOC100130691	-0.36576	0.36576	0.73676	-1.6186	0.12829	0.31796	-5.0306	1E+08
RAB8B	1.0849	1.0849	2.3849	1.6184	0.12833	0.31801	-5.0308	51762
CNN3	14.353	14.353	26.508	1.6182	0.12836	0.31803	-5.031	1266
TNNI1	-0.11658	0.11658	0.20463	-1.6182	0.12838	0.31803	-5.0311	7135
C3orf80	0.51225	0.51225	0.37611	1.618	0.12842	0.31809	-5.0314	401097
LOC100133091	-1.421	1.421	2.4164	-1.6175	0.12852	0.31825	-5.032	1E+08
DCAF12	1.9596	1.9596	7.4109	1.6175	0.12852	0.31825	-5.032	25853
HOGA1	-0.13385	0.13385	0.19948	-1.6174	0.12855	0.31828	-5.0323	112817
FAIM	0.60695	0.60695	1.7576	1.6173	0.12857	0.31828	-5.0324	55179
PPIL2	-0.84905	0.84905	4.4305	-1.6169	0.12865	0.3184	-5.0328	23759
CREG1	24.006	24.006	38.422	1.6169	0.12866	0.3184	-5.0329	8804
NPY4R	-0.1603	0.1603	0.19959	-1.6167	0.1287	0.31847	-5.0332	5540
NEFM	0.61303	0.61303	0.84473	1.6163	0.12877	0.3186	-5.0337	4741
LOC100128325	-0.10783	0.10783	0.078544	-1.6161	0.12883	0.31866	-5.034	1E+08
CLDN5	-4.2698	4.2698	5.3557	-1.6161	0.12884	0.31866	-5.0341	7122
PLGLB1	-0.12706	0.12706	0.1813	-1.6159	0.12888	0.31872	-5.0344	5343
LAMP1	16.545	16.545	60.415	1.6157	0.12891	0.31875	-5.0346	3916
LRRC23	-0.26854	0.26854	0.7666	-1.6154	0.12898	0.31886	-5.035	10233

ELK4	-1.2329	1.2329	5.7749	-1.6153	0.129	0.31886	-5.0351	2005
GFOD1	1.3815	1.3815	3.8729	1.6152	0.12902	0.31886	-5.0353	54438
ARHGEF28	-0.83114	0.83114	3.5941	-1.6152	0.12903	0.31886	-5.0353	64283
PLOD1	4.8128	4.8128	10.702	1.6151	0.12906	0.31887	-5.0355	5351
MR1	-0.48634	0.48634	1.7387	-1.6149	0.12909	0.3189	-5.0357	3140
KIF20B	0.40719	0.40719	0.93396	1.6148	0.12911	0.3189	-5.0358	9585
MMP1	68.654	68.654	44.306	1.6145	0.12917	0.31902	-5.0362	4312
SPRTN	0.31588	0.31588	1.841	1.6144	0.12921	0.31906	-5.0364	83932
COL10A1	4.9417	4.9417	3.4218	1.6142	0.12923	0.31907	-5.0366	1300
C15orf41	0.50219	0.50219	1.7046	1.6139	0.12931	0.31922	-5.0371	84529
BUB1	0.74178	0.74178	1.1756	1.6137	0.12935	0.31927	-5.0374	699
RIN1	-4.4153	4.4153	7.7812	-1.6133	0.12945	0.31942	-5.038	9610
ZNF878	0.49508	0.49508	0.55366	1.6133	0.12945	0.31942	-5.038	729747
SLC35A2	1.081	1.081	3.341	1.6129	0.12952	0.31955	-5.0384	7355
PPP1R3G	-0.23838	0.23838	0.39686	-1.6128	0.12955	0.31957	-5.0386	648791
IPO7	4.2655	4.2655	11.697	1.6125	0.12961	0.31967	-5.0391	10527
BMP8A	0.45956	0.45956	0.90051	1.6124	0.12964	0.31967	-5.0392	353500
FRMD4A	-1.0375	1.0375	3.1071	-1.6124	0.12964	0.31967	-5.0392	55691
CTSV	3.6036	3.6036	4.5977	1.6119	0.12975	0.31988	-5.0399	1515
MIEN1	3.3707	3.3707	8.1063	1.6118	0.12977	0.3199	-5.0401	84299
VPS50	0.4586	0.4586	1.6641	1.6115	0.12983	0.31995	-5.0405	55610
ENTPD3-AS1	-0.13378	0.13378	0.23927	-1.6115	0.12983	0.31995	-5.0405	285266
AP1G2	-2.6453	2.6453	7.9232	-1.6112	0.1299	0.32006	-5.0409	8906
SCT	-0.14532	0.14532	0.16565	-1.6107	0.13	0.32024	-5.0415	6343
GSTO1	10.602	10.602	16.862	1.6107	0.13001	0.32024	-5.0416	9446
ROR2	1.0754	1.0754	1.4551	1.6106	0.13003	0.32025	-5.0417	4920

SUGCT	0.46865	0.46865	0.78063	1.6103	0.13009	0.32034	-5.0421	79783
GJD3	-0.80136	0.80136	1.3139	-1.6097	0.13022	0.32063	-5.0429	125111
LOC100506123	-0.19906	0.19906	0.32039	-1.6093	0.13032	0.32081	-5.0435	1.01E+08
ID2-AS1	-0.13061	0.13061	0.29171	-1.6091	0.13037	0.32088	-5.0438	1.01E+08
SSBP3	-2.0944	2.0944	7.9621	-1.609	0.13038	0.32088	-5.0439	23648
LOC100507642	-0.15689	0.15689	0.2245	-1.6088	0.13043	0.32095	-5.0442	1.01E+08
ARFIP1	0.95104	0.95104	4.0889	1.6083	0.13053	0.32113	-5.0449	27236
RGS9	-0.11733	0.11733	0.16307	-1.6083	0.13054	0.32113	-5.0449	8787
IL1RL2	0.71074	0.71074	2.2243	1.6078	0.13065	0.3213	-5.0456	8808
CCR6	-0.18691	0.18691	0.35071	-1.6078	0.13065	0.3213	-5.0456	1235
POLR2L	12.133	12.133	31.879	1.6074	0.13074	0.32148	-5.0462	5441
COPS6	4.8894	4.8894	14.772	1.6072	0.13077	0.3215	-5.0464	10980
ZNF512	-0.56771	0.56771	2.1116	-1.6071	0.13079	0.3215	-5.0465	84450
ANXA5	23.612	23.612	49.98	1.6069	0.13083	0.32154	-5.0468	308
DBNL	9.3057	9.3057	25.797	1.6069	0.13084	0.32154	-5.0468	28988
TDRKH	-0.30959	0.30959	0.71179	-1.6068	0.13086	0.32154	-5.047	11022
GUK1	20.89	20.89	53.588	1.6067	0.13088	0.32154	-5.0471	2987
LOC105370943	-0.12217	0.12217	0.12735	-1.6065	0.13094	0.32164	-5.0475	1.05E+08
PDLIM3	1.9422	1.9422	2.721	1.6059	0.13107	0.32188	-5.0483	27295
NR1H3	-0.45086	0.45086	0.95401	-1.6057	0.13111	0.32188	-5.0485	10062
RPA2	-1.6728	1.6728	5.6783	-1.6057	0.13111	0.32188	-5.0485	6118
PODN	-4.6222	4.6222	6.9544	-1.6057	0.13111	0.32188	-5.0486	127435
FAM8A1	1.2297	1.2297	4.6134	1.6053	0.13119	0.32199	-5.049	51439
SLC18B1	-0.79642	0.79642	3.0986	-1.6053	0.1312	0.32199	-5.0491	116843
F8	-0.60706	0.60706	0.64674	-1.6051	0.13124	0.322	-5.0493	2157
TNNT1	2.4325	2.4325	4.1225	1.6051	0.13124	0.322	-5.0493	7138

BRD4	-2.1191	2.1191	9.2172	-1.605	0.13127	0.32202	-5.0495	23476
CBX5	-2.4121	2.4121	9.2732	-1.6049	0.13129	0.32204	-5.0497	23468
PSMC3	7.8258	7.8258	24.921	1.6047	0.13133	0.32208	-5.0499	5702
TREML2	0.16106	0.16106	0.13691	1.6045	0.13138	0.32215	-5.0502	79865
NBPF8	-0.37641	0.37641	1.0565	-1.6037	0.13154	0.3225	-5.0512	728841
MAFTRR	-0.19062	0.19062	0.28032	-1.6035	0.13159	0.32259	-5.0516	1.02E+08
RPS24	48.873	48.873	94.663	1.6033	0.13163	0.32264	-5.0518	6229
LOC100128340	-0.19709	0.19709	0.36147	-1.6032	0.13167	0.32267	-5.052	1E+08
PRXL2A	9.9324	9.9324	23.026	1.6024	0.13183	0.32295	-5.0531	84293
TMCO3	2.2161	2.2161	6.3221	1.6024	0.13184	0.32295	-5.0531	55002
LOC100289333	-0.12213	0.12213	0.091691	-1.6023	0.13185	0.32295	-5.0532	1E+08
CELSR3	-0.12963	0.12963	0.3069	-1.6023	0.13185	0.32295	-5.0532	1951
FASTKD1	0.33488	0.33488	1.3395	1.6021	0.13189	0.323	-5.0535	79675
GALK1	3.5946	3.5946	6.5331	1.602	0.13192	0.32303	-5.0537	2584
DGCR2	-4.1692	4.1692	15.347	-1.6019	0.13195	0.32305	-5.0538	9993
FAM228B	-0.36291	0.36291	0.82223	-1.6015	0.13203	0.32318	-5.0543	375190
C4orf36	-0.1577	0.1577	0.49268	-1.6015	0.13204	0.32318	-5.0544	132989
CAHM	-0.15358	0.15358	0.28795	-1.6012	0.13209	0.32322	-5.0547	1.01E+08
PLAU	7.8366	7.8366	13.794	1.6012	0.1321	0.32322	-5.0547	5328
SGIP1	0.36842	0.36842	0.45471	1.6009	0.13217	0.32333	-5.0552	84251
MDM1	-0.16013	0.16013	0.49129	-1.6008	0.13218	0.32333	-5.0553	56890
S100A10	68.707	68.707	118.77	1.6007	0.13221	0.32334	-5.0554	6281
IER5	7.9979	7.9979	17.28	1.6007	0.13222	0.32334	-5.0555	51278
DEFB1	20.029	20.029	34.957	1.6005	0.13226	0.32338	-5.0557	1672
SRCAP	-3.0249	3.0249	10.082	-1.6002	0.13233	0.32345	-5.0562	10847
C4orf46	0.31998	0.31998	0.68831	1.6002	0.13233	0.32345	-5.0562	201725

RFX3	-0.21565	0.21565	0.60674	-1.5995	0.13248	0.32377	-5.0571	5991
PYGM	-0.20168	0.20168	0.28689	-1.5994	0.1325	0.32378	-5.0573	5837
ARMC7	-0.52907	0.52907	1.8084	-1.5991	0.13256	0.32388	-5.0576	79637
MAPKAPK5	-0.78044	0.78044	4.5712	-1.599	0.13258	0.32388	-5.0578	8550
ADIRF	29.782	29.782	52.602	1.5987	0.13265	0.324	-5.0582	10974
ZC3H12B	-0.11097	0.11097	0.15762	-1.5983	0.13276	0.32414	-5.0588	340554
RNASE7	23.741	23.741	29.112	1.5982	0.13276	0.32414	-5.0588	84659
OLFML2B	10.482	10.482	11.34	1.5982	0.13276	0.32414	-5.0589	25903
CD151	14.616	14.616	32.352	1.5979	0.13283	0.32425	-5.0593	977
HIVEP2	1.1489	1.1489	6.3819	1.5978	0.13285	0.32425	-5.0594	3097
CES4A	-2.4127	2.4127	3.6804	-1.5977	0.13289	0.32429	-5.0597	283848
ARHGEF11	-1.6694	1.6694	4.9686	-1.5975	0.13294	0.32429	-5.0599	9826
PITRM1	2.119	2.119	8.054	1.5973	0.13297	0.32429	-5.0601	10531
DHX34	-0.76088	0.76088	2.3384	-1.5973	0.13298	0.32429	-5.0602	9704
GNB1	12.852	12.852	42.016	1.5972	0.13298	0.32429	-5.0602	2782
ZNF609	-1.1189	1.1189	5.6364	-1.5972	0.13299	0.32429	-5.0603	23060
ARC	0.73871	0.73871	0.59171	1.5972	0.133	0.32429	-5.0603	23237
PRKCSH	-6.8108	6.8108	21.574	-1.5969	0.13306	0.32438	-5.0607	5589
LOC100335030	-0.21142	0.21142	0.35904	-1.5968	0.13307	0.32438	-5.0608	1E+08
CSDE1	15.265	15.265	60.381	1.5964	0.13317	0.32453	-5.0614	7812
HSPA5	15.431	15.431	37.727	1.5963	0.13318	0.32453	-5.0615	3309
IMPDH2	-10.521	10.521	36.943	-1.5962	0.1332	0.32453	-5.0616	3615
OBSL1	-1.4782	1.4782	2.9703	-1.5962	0.13321	0.32453	-5.0617	23363
UBE2T	0.96831	0.96831	1.4469	1.5961	0.13323	0.32453	-5.0618	29089
FOSB	14.542	14.542	17.557	1.596	0.13326	0.32455	-5.0619	2354
CBX3P2	-0.21122	0.21122	0.33849	-1.5959	0.13329	0.32458	-5.0621	645158

COMMD1	3.412	3.412	8.8881	1.5957	0.13333	0.32461	-5.0624	150684
NGG5	8.4919	8.4919	19.569	1.5954	0.13338	0.32461	-5.0627	2787
TBC1D3D	0.14937	0.14937	0.29214	1.5953	0.13341	0.32461	-5.0629	1.01E+08
TBC1D3I	0.14937	0.14937	0.29214	1.5953	0.13341	0.32461	-5.0629	1.03E+08
TBC1D3K	0.14937	0.14937	0.29214	1.5953	0.13341	0.32461	-5.0629	1.01E+08
NAA50	3.0554	3.0554	8.9855	1.5953	0.13342	0.32461	-5.0629	80218
SIK2	-1.0128	1.0128	4.5825	-1.595	0.13349	0.32462	-5.0634	23235
CELSR1	-3.1887	3.1887	9.216	-1.595	0.13349	0.32462	-5.0634	9620
RAB21	1.1056	1.1056	4.6069	1.595	0.13349	0.32462	-5.0634	23011
CXXC5-AS1	-0.13431	0.13431	0.25491	-1.5949	0.1335	0.32462	-5.0634	1.11E+08
RASSF10	-1.6425	1.6425	3.0247	-1.5945	0.1336	0.32483	-5.0641	644943
PRDX5	28.17	28.17	60.066	1.5942	0.13365	0.3249	-5.0644	25824
PPP2R2D	-0.50068	0.50068	2.7612	-1.5939	0.13372	0.32501	-5.0648	55844
LOC100288798	-0.24881	0.24881	0.5422	-1.5939	0.13373	0.32501	-5.0649	1E+08
EIF4A3	7.6945	7.6945	21.469	1.5937	0.13376	0.32503	-5.0651	9775
CLTA	13.846	13.846	35.861	1.5935	0.13382	0.32511	-5.0654	1211
DNAJB4	1.0852	1.0852	2.6769	1.5934	0.13385	0.32511	-5.0656	11080
YTHDF1	1.8212	1.8212	8.6306	1.5933	0.13387	0.32511	-5.0657	54915
FAM32A	4.6451	4.6451	14.614	1.5933	0.13387	0.32511	-5.0657	26017
OGT	-3.0354	3.0354	13.257	-1.5931	0.1339	0.32513	-5.0659	8473
TWIST2	4.1183	4.1183	6.8482	1.5928	0.13398	0.32521	-5.0664	117581
PPA1	10.01	10.01	26.151	1.5927	0.13399	0.32521	-5.0665	5464
RPS6KA5	-0.40554	0.40554	1.3595	-1.5927	0.13399	0.32521	-5.0665	9252
TRAK1	-0.78082	0.78082	6.1567	-1.5925	0.13405	0.32531	-5.0668	22906
VASP	8.8603	8.8603	20.53	1.5923	0.13408	0.32534	-5.067	7408
MEPCE	-2.4458	2.4458	6.6621	-1.5921	0.13413	0.32542	-5.0674	56257

GSDME	1.4148	1.4148	2.4911	1.5913	0.13431	0.3258	-5.0684	1687
MGP	-7.9662	7.9662	14.249	-1.5911	0.13435	0.32582	-5.0687	4256
ZRANB3	-0.1538	0.1538	0.42067	-1.5911	0.13436	0.32582	-5.0687	84083
HMGB3	1.0062	1.0062	2.1816	1.5906	0.13448	0.32599	-5.0694	3149
CYB561A3	-1.4974	1.4974	5.8245	-1.5906	0.13448	0.32599	-5.0694	220002
FAM114A2	0.65081	0.65081	2.1126	1.5905	0.13448	0.32599	-5.0695	10827
C1orf210	1.8752	1.8752	3.5319	1.5903	0.13454	0.32607	-5.0698	149466
MAP4K5	1.3654	1.3654	7.2447	1.5901	0.13458	0.32607	-5.0701	11183
CCNA2	1.0422	1.0422	1.6767	1.59	0.1346	0.32607	-5.0702	890
SNORD17	-82.019	82.019	152.17	-1.59	0.13461	0.32607	-5.0703	692086
SLC2A4	-0.31948	0.31948	0.44633	-1.5899	0.13464	0.32607	-5.0704	6517
SDF2	2.7285	2.7285	7.0247	1.5898	0.13464	0.32607	-5.0705	6388
CENPW	0.31892	0.31892	0.51027	1.5898	0.13465	0.32607	-5.0705	387103
CRTAP	-4.1854	4.1854	11.734	-1.5895	0.13473	0.32618	-5.071	10491
GDI1	5.3246	5.3246	19.433	1.5894	0.13474	0.32618	-5.071	2664
KCNIP3	-0.57507	0.57507	1.1262	-1.5892	0.13478	0.32624	-5.0713	30818
ANXA4	-1.2707	1.2707	6.5205	-1.5889	0.13486	0.32639	-5.0718	307
NAV2-AS2	-0.12966	0.12966	0.18543	-1.5886	0.13492	0.32648	-5.0722	1.01E+08
MAT1A	-0.53903	0.53903	0.36166	-1.5884	0.13497	0.32656	-5.0725	4143
CD96	-0.17293	0.17293	0.37878	-1.588	0.13507	0.32675	-5.0731	10225
ASB7	0.34159	0.34159	1.8773	1.5879	0.13509	0.32675	-5.0732	140460
TAF4	-0.43353	0.43353	2.0189	-1.5878	0.13511	0.32676	-5.0733	6874
CDKN1C	2.0381	2.0381	4.2009	1.5877	0.13513	0.32676	-5.0735	1028
HRC	-0.1269	0.1269	0.17716	-1.5874	0.1352	0.32688	-5.0739	3270
SYMPK	-1.9219	1.9219	7.2676	-1.5871	0.13526	0.32698	-5.0743	8189
C7orf25	0.67602	0.67602	1.8611	1.5869	0.13531	0.32706	-5.0746	79020

TTL	1.7019	1.7019	5.592	1.5865	0.1354	0.32722	-5.0751	150465
ATP6AP1	7.9076	7.9076	22.844	1.5859	0.13555	0.32734	-5.076	537
PSMD11	2.7549	2.7549	11.079	1.5858	0.13555	0.32734	-5.076	5717
GIMAP1	-0.48707	0.48707	0.92027	-1.5858	0.13557	0.32734	-5.0761	170575
GNL2	2.9238	2.9238	8.4544	1.5857	0.13558	0.32734	-5.0762	29889
YWHAE	29.973	29.973	82.043	1.5857	0.13559	0.32734	-5.0763	7531
EMX2	-0.36999	0.36999	1.0325	-1.5856	0.13559	0.32734	-5.0763	2018
WDR12	1.1847	1.1847	3.6379	1.5856	0.1356	0.32734	-5.0763	55759
RPS7	191.86	191.86	360.5	1.5856	0.13561	0.32734	-5.0763	6201
TM2D2	1.1074	1.1074	2.9814	1.5854	0.13565	0.32741	-5.0766	83877
FRAS1	-0.46555	0.46555	0.5876	-1.5853	0.13567	0.32741	-5.0767	80144
N4BP2L2	-1.7183	1.7183	6.106	-1.5852	0.1357	0.32742	-5.0769	10443
SCP2	3.1534	3.1534	10.517	1.5851	0.13571	0.32742	-5.077	6342
AGFG1	1.1663	1.1663	4.389	1.5849	0.13576	0.32744	-5.0773	3267
PSMA3	8.4642	8.4642	16.228	1.5849	0.13576	0.32744	-5.0773	5684
MAPK8IP3	-1.9269	1.9269	5.6578	-1.5845	0.13585	0.32757	-5.0778	23162
POLR3F	0.5823	0.5823	2.0058	1.5845	0.13586	0.32757	-5.0779	10621
ZNF497	-0.22294	0.22294	0.42217	-1.584	0.13597	0.32781	-5.0786	162968
LOC101929524	-0.09735	0.09735	0.091318	-1.5838	0.13601	0.32784	-5.0788	1.02E+08
NFIA-AS1	-0.13019	0.13019	0.12822	-1.5836	0.13606	0.32793	-5.0791	645030
LINC02175	-0.24815	0.24815	0.60363	-1.5829	0.13622	0.32827	-5.0801	283887
C18orf54	0.1428	0.1428	0.25775	1.5828	0.13625	0.32829	-5.0802	162681
CFLAR	-1.0008	1.0008	8.0971	-1.5824	0.13633	0.32838	-5.0807	8837
PSME3	4.9602	4.9602	15.617	1.5824	0.13633	0.32838	-5.0807	10197
PTDSS2	1.4608	1.4608	4.0954	1.5822	0.13638	0.32842	-5.081	81490
IGFN1	0.16107	0.16107	0.1918	1.5822	0.13638	0.32842	-5.081	91156

MYSM1	-0.86261	0.86261	3.5969	-1.5819	0.13645	0.32851	-5.0814	114803
SEC24C	3.7335	3.7335	14.563	1.5818	0.13646	0.32851	-5.0815	9632
LOC101927365	-0.50686	0.50686	1.1266	-1.5815	0.13655	0.32867	-5.082	1.02E+08
GPC4	-1.1301	1.1301	1.2334	-1.5812	0.13661	0.32875	-5.0824	2239
CCDC71	-0.97208	0.97208	4.7395	-1.5812	0.13662	0.32875	-5.0825	64925
TENT4A	-0.55522	0.55522	4.1359	-1.5807	0.13671	0.32894	-5.083	11044
CLPTM1	6.9967	6.9967	22.657	1.5805	0.13677	0.32899	-5.0834	1209
NSA2	4.9573	4.9573	14.83	1.5805	0.13678	0.32899	-5.0834	10412
CDH12	-0.11559	0.11559	0.15865	-1.5803	0.13682	0.32906	-5.0837	1010
STARD3NL	1.7971	1.7971	2.8078	1.5799	0.13691	0.32923	-5.0842	83930
HSPA7	-1.09	1.09	1.8202	-1.5797	0.13695	0.32924	-5.0845	3311
HAS2	1.6333	1.6333	1.9213	1.5796	0.13697	0.32924	-5.0846	3037
UBA1	12.461	12.461	35.405	1.5796	0.13698	0.32924	-5.0846	7317
N4BP3	-0.56867	0.56867	1.6504	-1.5794	0.13702	0.3293	-5.0849	23138
CERCAM	5.6689	5.6689	7.8179	1.5792	0.13705	0.32933	-5.0851	51148
CCDC114	-0.0955	0.095495	0.065724	-1.5791	0.1371	0.32933	-5.0853	93233
ZNF800	1.3258	1.3258	5.2023	1.5789	0.13712	0.32933	-5.0855	168850
LY6E-DT	-0.13267	0.13267	0.11682	-1.5789	0.13713	0.32933	-5.0856	1E+08
SRP19	0.61981	0.61981	2.6801	1.5788	0.13715	0.32933	-5.0857	6728
HOXA13	-0.30756	0.30756	0.52613	-1.5788	0.13716	0.32933	-5.0857	3209
CCDC92	2.0714	2.0714	5.083	1.5787	0.13717	0.32933	-5.0858	80212
SLITRK4	-0.16217	0.16217	0.20713	-1.5784	0.13725	0.32947	-5.0862	139065
PAX9	0.34721	0.34721	0.35498	1.5781	0.13731	0.32957	-5.0866	5083
NMNAT2	-0.32121	0.32121	0.61126	-1.5776	0.13743	0.32981	-5.0873	23057
RHD	-0.13535	0.13535	0.21198	-1.5774	0.13747	0.32981	-5.0875	6007
TPTEP1	1.1414	1.1414	3.5031	1.5774	0.13747	0.32981	-5.0876	387590

TERC	-14.078	14.078	33.535	-1.5773	0.1375	0.32981	-5.0877	7012
FZD7	-1.6	1.6	3.654	-1.5772	0.13752	0.32981	-5.0879	8324
RPS6KA6	-0.14611	0.14611	0.20197	-1.5772	0.13753	0.32981	-5.0879	27330
DNAJC15	1.6515	1.6515	3.403	1.577	0.13757	0.32985	-5.0882	29103
KANSL1	-0.4555	0.4555	3.9458	-1.5769	0.13758	0.32985	-5.0882	284058
ANKS3	-0.58986	0.58986	1.4439	-1.5766	0.13766	0.32997	-5.0887	124401
LINC01441	-0.15332	0.15332	0.29635	-1.5765	0.13767	0.32997	-5.0888	1.02E+08
CYB5R1	11.193	11.193	25.381	1.5762	0.13774	0.33005	-5.0892	51706
SMG1P2	-0.7639	0.7639	2.6498	-1.5762	0.13776	0.33005	-5.0893	440354
EIF5A	39.875	39.875	104.35	1.5762	0.13776	0.33005	-5.0893	1984
NLK	0.36427	0.36427	1.7761	1.576	0.13779	0.33008	-5.0895	51701
EMB	-1.858	1.858	3.9724	-1.5758	0.13784	0.33013	-5.0898	133418
ZSCAN26	-0.35698	0.35698	1.3474	-1.5757	0.13786	0.33013	-5.0899	7741
BPNT1	1.1482	1.1482	2.864	1.5757	0.13788	0.33014	-5.09	10380
NKX3-1	-0.2239	0.2239	0.29425	-1.5754	0.13795	0.33025	-5.0904	4824
SPRR2A	380.99	380.99	435.22	1.5753	0.13797	0.33026	-5.0905	6700
MRPS7	3.8048	3.8048	9.9736	1.5749	0.13804	0.33039	-5.091	51081
GSDMA	34.406	34.406	37.107	1.5747	0.13809	0.33046	-5.0913	284110
COG5	-0.57472	0.57472	3.0897	-1.5745	0.13814	0.33053	-5.0916	10466
PPP1CC	7.2564	7.2564	19.001	1.574	0.13825	0.33066	-5.0922	5501
PLA2G4F	-8.506	8.506	17.888	-1.5739	0.13828	0.33066	-5.0924	255189
GCSHP3	-0.40352	0.40352	1.6462	-1.5739	0.13829	0.33066	-5.0924	1E+08
IGFL2-AS1	-0.41945	0.41945	0.67139	-1.5739	0.13829	0.33066	-5.0924	645553
GTF2IP4	0.86343	0.86343	2.0345	1.5738	0.1383	0.33066	-5.0925	1E+08
TCN1	4.0583	4.0583	2.3648	1.5738	0.13831	0.33066	-5.0926	6947
E2F7	0.27483	0.27483	0.47207	1.5736	0.13835	0.3307	-5.0928	144455

PRRC1	1.5554	1.5554	7.4479	1.5734	0.13841	0.33079	-5.0931	133619
DLX6	-0.36941	0.36941	0.69034	-1.5732	0.13844	0.33082	-5.0934	1750
LOC102724784	-0.25222	0.25222	0.4664	-1.5731	0.13846	0.33082	-5.0934	1.03E+08
HSD17B12	3.0703	3.0703	10.396	1.573	0.13849	0.33086	-5.0937	51144
FCER1A	-1.6976	1.6976	3.1615	-1.5727	0.13856	0.33096	-5.094	2205
CLEC12A-AS1	-0.20728	0.20728	0.35993	-1.5724	0.13864	0.33108	-5.0945	400002
CCNQ	1.4318	1.4318	4.1466	1.5723	0.13864	0.33108	-5.0945	92002
KCNJ9	-0.29832	0.29832	0.48296	-1.5715	0.13884	0.33148	-5.0957	3765
TSTD1	6.1171	6.1171	12.15	1.5714	0.13885	0.33148	-5.0958	1E+08
CTAGE7P	-0.10679	0.10679	0.14861	-1.5713	0.13889	0.33152	-5.096	119437
LOC100505736	-0.25273	0.25273	0.52503	-1.5711	0.13893	0.33152	-5.0963	1.01E+08
PLAGL2	-0.47291	0.47291	3.2181	-1.5711	0.13894	0.33152	-5.0963	5326
TTYH2	-0.36251	0.36251	0.86762	-1.5709	0.13897	0.33152	-5.0965	94015
WDR20	-0.27288	0.27288	2.2795	-1.5709	0.13898	0.33152	-5.0965	91833
C8orf82	-1.668	1.668	4.0609	-1.5709	0.13899	0.33152	-5.0966	414919
FBXW11	1.8205	1.8205	7.116	1.5706	0.13904	0.33161	-5.0969	23291
RAB30	-0.34897	0.34897	1.0849	-1.5702	0.13915	0.33182	-5.0975	27314
USP45	-0.28553	0.28553	0.73182	-1.5698	0.13923	0.33194	-5.098	85015
C1orf53	0.30877	0.30877	0.47322	1.5697	0.13926	0.33194	-5.0982	388722
USP17L1	-0.10637	0.10637	0.070266	-1.5695	0.1393	0.33194	-5.0984	401447
THRB-AS1	-0.68121	0.68121	0.56133	-1.5695	0.1393	0.33194	-5.0984	644990
TNS2	-4.0923	4.0923	7.3375	-1.5694	0.13932	0.33194	-5.0985	23371
ASAH1	4.0447	4.0447	12.516	1.5694	0.13932	0.33194	-5.0985	427
KDM4D	-0.11422	0.11422	0.19815	-1.5688	0.13947	0.33225	-5.0994	55693
USP51	-0.13886	0.13886	0.28646	-1.5686	0.1395	0.33229	-5.0996	158880
THY1	10.418	10.418	12.489	1.5681	0.13962	0.33251	-5.1003	7070

CD109	3.2796	3.2796	10.351	1.568	0.13965	0.33254	-5.1005	135228
REC114	-0.12787	0.12787	0.14676	-1.5676	0.13974	0.3327	-5.101	283677
CCDC7	-0.17791	0.17791	0.37421	-1.5674	0.13978	0.33274	-5.1013	79741
CD99P1	-0.14902	0.14902	0.66879	-1.5672	0.13983	0.33274	-5.1016	401577
MAP7	3.7377	3.7377	8.57	1.5672	0.13984	0.33274	-5.1016	9053
CDR2L	0.83919	0.83919	2.2883	1.5672	0.13984	0.33274	-5.1016	30850
LOC100287036	-0.33242	0.33242	0.71298	-1.5671	0.13985	0.33274	-5.1017	1E+08
MEGF8	-1.2452	1.2452	2.8488	-1.5669	0.13992	0.33284	-5.102	1954
ATE1	0.57774	0.57774	3.2518	1.5667	0.13995	0.33288	-5.1022	11101
CPSF7	-1.5221	1.5221	11.372	-1.5665	0.14	0.33295	-5.1025	79869
SLC13A3	-0.14759	0.14759	0.28578	-1.5664	0.14003	0.33296	-5.1027	64849
CPTP	4.3311	4.3311	9.7379	1.5663	0.14006	0.33296	-5.1029	80772
KIAA1755	-0.18281	0.18281	0.22957	-1.5662	0.14008	0.33296	-5.103	85449
MARCO	-2.8946	2.8946	1.9759	-1.5659	0.14014	0.33296	-5.1033	8685
PLK1	1.5898	1.5898	2.441	1.5659	0.14014	0.33296	-5.1033	5347
SPAAR	-0.16172	0.16172	0.2099	-1.5659	0.14015	0.33296	-5.1034	158376
USP9X	1.658	1.658	9.4382	1.5659	0.14015	0.33296	-5.1034	8239
KATNA1	0.7107	0.7107	3.371	1.5658	0.14016	0.33296	-5.1035	11104
PSMD7	5.2917	5.2917	18.968	1.5655	0.14024	0.33303	-5.104	5713
PGAP2	-1.4491	1.4491	5.7306	-1.5654	0.14026	0.33303	-5.104	27315
LOC100131107	-0.20288	0.20288	0.4329	-1.5654	0.14026	0.33303	-5.1041	1E+08
CBWD5	-0.58854	0.58854	3.5963	-1.5653	0.14027	0.33303	-5.1041	220869
MAPK1IP1L	2.1832	2.1832	7.2623	1.565	0.14036	0.33319	-5.1046	93487
BPTF	-1.1156	1.1156	7.1708	-1.5648	0.1404	0.3332	-5.1049	2186
HAUS2	0.88838	0.88838	2.412	1.5647	0.14042	0.3332	-5.105	55142
VGF	-0.14299	0.14299	0.16125	-1.5645	0.14048	0.3332	-5.1053	7425

IFI44L	-3.2415	3.2415	2.0711	-1.5644	0.14049	0.3332	-5.1054	10964
TUFT1	9.0237	9.0237	17.799	1.5644	0.14049	0.3332	-5.1054	7286
GFRA3	-0.18278	0.18278	0.14707	-1.5644	0.1405	0.3332	-5.1055	2676
MIR7-1	-0.13738	0.13738	0.088977	-1.5643	0.14051	0.3332	-5.1055	407043
SNORD133	-47.208	47.208	31.945	-1.5643	0.14052	0.3332	-5.1056	1.07E+08
OR5E1P	-0.30789	0.30789	0.49954	-1.564	0.14058	0.33329	-5.1059	26343
DDAH1	0.55422	0.55422	1.2268	1.5638	0.14063	0.33332	-5.1062	23576
TSTD2	-0.32689	0.32689	2.0574	-1.5638	0.14063	0.33332	-5.1062	158427
CAMKK1	-0.78386	0.78386	2.1474	-1.5636	0.14068	0.33337	-5.1065	84254
CEMIP2	3.463	3.463	5.7216	1.5636	0.14069	0.33337	-5.1066	23670
MKLN1	-1.0817	1.0817	4.216	-1.5633	0.14074	0.33339	-5.1068	4289
FAM155B	0.92561	0.92561	0.52284	1.5633	0.14074	0.33339	-5.1069	27112
CFAP73	-0.14226	0.14226	0.21902	-1.5632	0.14076	0.33339	-5.107	387885
DENR	2.7522	2.7522	8.4916	1.5631	0.1408	0.33339	-5.1072	8562
RPF2	0.76318	0.76318	2.2373	1.563	0.14082	0.33339	-5.1073	84154
BICRA	-0.83094	0.83094	2.5173	-1.563	0.14082	0.33339	-5.1073	29998
SPATA20	-2.1582	2.1582	4.8035	-1.5629	0.14083	0.33339	-5.1074	64847
LMNTD2	-0.43452	0.43452	0.87129	-1.5626	0.14092	0.33355	-5.1079	256329
BUD23	-1.7457	1.7457	6.5996	-1.5621	0.14103	0.33375	-5.1085	114049
KIFC3	3.6777	3.6777	9.7093	1.5617	0.14113	0.33395	-5.1091	3801
CA6	-1.6489	1.6489	1.822	-1.5615	0.14118	0.33402	-5.1094	765
FAM41C	-0.28182	0.28182	0.57132	-1.5606	0.14139	0.33446	-5.1106	284593
ZNF33A	-0.55822	0.55822	2.227	-1.56	0.14153	0.33476	-5.1115	7581
CLDN34	-0.16001	0.16001	0.20177	-1.5597	0.14159	0.33477	-5.1118	1E+08
KCNB1	-0.10329	0.10329	0.10637	-1.5597	0.1416	0.33477	-5.1118	3745
SMIM3	2.2466	2.2466	3.5974	1.5596	0.14161	0.33477	-5.1119	85027

CXCL6	1.3833	1.3833	0.90189	1.5596	0.14162	0.33477	-5.112	6372
PLGLB2	-0.1189	0.1189	0.16966	-1.5595	0.14164	0.33477	-5.1121	5342
ASPDH	-0.11075	0.11075	0.13611	-1.5592	0.14172	0.33487	-5.1125	554235
IDH2-DT	-0.19482	0.19482	0.1828	-1.5592	0.14172	0.33487	-5.1125	1.05E+08
LOC100131289	-0.23817	0.23817	0.18635	-1.5588	0.14182	0.33506	-5.1131	1E+08
WNT5B	-0.42019	0.42019	0.97039	-1.5586	0.14185	0.33509	-5.1133	81029
RBM18	0.68612	0.68612	2.5182	1.5584	0.14189	0.33509	-5.1135	92400
SERBP1	9.0034	9.0034	31.646	1.5584	0.1419	0.33509	-5.1136	26135
PIGF	1.0395	1.0395	2.6969	1.5584	0.14191	0.33509	-5.1137	5281
AMACR	2.4309	2.4309	2.6057	1.5581	0.14197	0.33518	-5.114	23600
LRR6	-0.11063	0.11063	0.22768	-1.5578	0.14203	0.33525	-5.1144	23639
COA5	-0.71826	0.71826	2.8707	-1.5578	0.14204	0.33525	-5.1144	493753
FOXO4	-1.0776	1.0776	2.9563	-1.5575	0.14211	0.33537	-5.1148	4303
TNFAIP6	4.6868	4.6868	5.0912	1.5573	0.14216	0.33545	-5.1151	7130
THAP6	-0.28972	0.28972	1.0181	-1.5569	0.14226	0.3356	-5.1157	152815
NAV3	0.6866	0.6866	1.6603	1.5569	0.14227	0.3356	-5.1157	89795
TMSB4X	255	255	416.98	1.5566	0.14233	0.33569	-5.116	7114
WBP1	-2.8765	2.8765	8.4899	-1.5562	0.14243	0.3359	-5.1166	23559
HOXB6	-0.17832	0.17832	0.27789	-1.556	0.14247	0.33595	-5.1169	3216
MRPL38	-2.59	2.59	8.2118	-1.5553	0.14263	0.33624	-5.1178	64978
DSEL	1.0521	1.0521	1.7286	1.5553	0.14264	0.33624	-5.1178	92126
TMEM109	-4.5491	4.5491	14.147	-1.5552	0.14267	0.33624	-5.118	79073
C16orf86	-0.28395	0.28395	0.51191	-1.5551	0.14269	0.33624	-5.1181	388284
CNNM2	-0.39474	0.39474	1.5011	-1.555	0.1427	0.33624	-5.1182	54805
HTR1B	0.17169	0.17169	0.1959	1.5546	0.1428	0.33637	-5.1188	3351
ARHGEF5	-3.9069	3.9069	10.702	-1.5546	0.14281	0.33637	-5.1188	7984

MYO1C	7.4277	7.4277	24.418	1.5546	0.14281	0.33637	-5.1188	4641
HEPH	1.2962	1.2962	2.5456	1.5545	0.14283	0.33637	-5.1189	9843
GTPBP4	2.8722	2.8722	7.4097	1.5542	0.1429	0.33638	-5.1193	23560
UTP25	-0.30806	0.30806	1.8251	-1.5541	0.14291	0.33638	-5.1194	27042
ADCY6	-1.5281	1.5281	3.3434	-1.5541	0.14292	0.33638	-5.1194	112
ZNF175	-0.2215	0.2215	0.82457	-1.5541	0.14292	0.33638	-5.1194	7728
DUSP8	0.62331	0.62331	1.3175	1.5539	0.14297	0.3364	-5.1197	1850
SON	-2.3802	2.3802	19.946	-1.5538	0.14299	0.3364	-5.1199	6651
COMMD7	2.5936	2.5936	7.3097	1.5538	0.143	0.3364	-5.1199	149951
HMMR	0.33536	0.33536	0.50684	1.5537	0.14301	0.3364	-5.1199	3161
CCRL2	0.29814	0.29814	0.47023	1.5536	0.14305	0.33645	-5.1202	9034
HLX-AS1	-0.14614	0.14614	0.10898	-1.553	0.14318	0.33672	-5.1209	1.01E+08
CD300C	0.32454	0.32454	0.41158	1.5527	0.14325	0.33682	-5.1213	10871
CCDC91	0.5636	0.5636	2.5992	1.5527	0.14326	0.33682	-5.1214	55297
OGFRP1	-0.15267	0.15267	0.30384	-1.5523	0.14336	0.33695	-5.1219	388906
TNRC17	-0.47186	0.47186	0.99163	-1.5523	0.14336	0.33695	-5.1219	27321
MPZ	-0.25959	0.25959	0.33505	-1.5519	0.14343	0.33707	-5.1224	4359
BCL2L13	-0.82254	0.82254	4.5461	-1.5519	0.14345	0.33707	-5.1224	23786
SPRY4-IT1	0.37665	0.37665	0.46722	1.5515	0.14353	0.33721	-5.1229	1.01E+08
MAPKAP1	2.8486	2.8486	10.277	1.5513	0.14359	0.3373	-5.1232	79109
TMEM63C	-0.26719	0.26719	0.36296	-1.5509	0.14368	0.33746	-5.1238	57156
SGO1	0.21522	0.21522	0.36384	1.5508	0.1437	0.33746	-5.1239	151648
RPL26	140.46	140.46	242.09	1.5507	0.14372	0.33748	-5.124	6154
GTSE1	0.49528	0.49528	0.85036	1.5505	0.14377	0.33754	-5.1243	51512
GTF2A1	0.7254	0.7254	3.05	1.5504	0.14381	0.3376	-5.1245	2957
CDCA2	0.52546	0.52546	0.90797	1.5501	0.14387	0.33766	-5.1248	157313

BISPR	-0.18195	0.18195	0.28439	-1.5501	0.14388	0.33766	-5.1249	1.05E+08
TTI1	-0.49541	0.49541	2.5069	-1.5499	0.14391	0.33769	-5.1251	9675
CAD	-1.653	1.653	5.0267	-1.5495	0.14401	0.33787	-5.1256	790
KLHDC8B	-2.203	2.203	6.3288	-1.5489	0.14417	0.3382	-5.1266	200942
LINP1	0.31232	0.31232	0.2507	1.5481	0.14434	0.33856	-5.1275	1.09E+08
ZNF81	-0.19662	0.19662	1.0913	-1.548	0.14438	0.33859	-5.1277	347344
SLC35D2	0.48561	0.48561	1.8062	1.5474	0.14452	0.33889	-5.1285	11046
NAP1L4	4.9602	4.9602	17.462	1.5472	0.14456	0.33894	-5.1288	4676
LATS2	1.2029	1.2029	4.125	1.5471	0.14459	0.33895	-5.1289	26524
BAZ1A	1.818	1.818	7.0982	1.5469	0.14465	0.33903	-5.1292	11177
SMAD1-AS1	-1.2191	1.2191	0.76396	-1.5464	0.14476	0.33925	-5.1299	1.04E+08
ASS1	-3.7813	3.7813	9.6105	-1.5461	0.14484	0.33939	-5.1303	445
ZNF726	-0.1087	0.1087	0.23531	-1.546	0.14486	0.3394	-5.1305	730087
ARHGAP39	-0.37309	0.37309	0.96127	-1.5453	0.14503	0.33975	-5.1314	80728
EZR	19.903	19.903	51.756	1.5452	0.14505	0.33975	-5.1315	7430
C6orf132	10.835	10.835	23.962	1.545	0.14509	0.33979	-5.1317	647024
LOC101927793	-0.17825	0.17825	0.25346	-1.5448	0.14513	0.33983	-5.132	1.02E+08
RAI1	-1.6258	1.6258	5.3642	-1.5448	0.14515	0.33983	-5.1321	10743
TPSD1	-0.25398	0.25398	0.28251	-1.5445	0.14521	0.33994	-5.1324	23430
C12orf65	-0.33275	0.33275	1.2757	-1.5441	0.14533	0.34015	-5.1331	91574
SNORA47	-0.54952	0.54952	0.78357	-1.544	0.14534	0.34015	-5.1332	677828
MNAT1	1.3076	1.3076	3.6425	1.5436	0.14542	0.34027	-5.1336	4331
PIK3R4	-0.62095	0.62095	3.999	-1.5436	0.14544	0.34027	-5.1337	30849
SLC16A5	-0.64764	0.64764	2.5208	-1.5435	0.14546	0.34029	-5.1338	9121
ZNF136	-0.34809	0.34809	1.1896	-1.5432	0.14553	0.34031	-5.1342	7695
SQOR	8.1071	8.1071	16.025	1.5432	0.14554	0.34031	-5.1343	58472

GIN1	0.19711	0.19711	0.53857	1.5431	0.14555	0.34031	-5.1343	54826
TMEM189	-1.6115	1.6115	8.0458	-1.5431	0.14556	0.34031	-5.1344	387521
HSPA12A	-0.30036	0.30036	1.0282	-1.543	0.14559	0.34031	-5.1345	259217
HOMER3	2.9189	2.9189	7.0984	1.5429	0.14559	0.34031	-5.1346	9454
CIP2A	0.26058	0.26058	0.65925	1.5427	0.14565	0.34039	-5.1349	57650
DAGLA	-0.20442	0.20442	0.40891	-1.5426	0.14568	0.34042	-5.1351	747
EOGT	1.1784	1.1784	3.1246	1.5424	0.14572	0.34047	-5.1353	285203
BICDL1	-2.4012	2.4012	3.8712	-1.5422	0.14577	0.34053	-5.1356	92558
SUV39H1	-0.3505	0.3505	1.3854	-1.5421	0.14579	0.34054	-5.1357	6839
RFX3-AS1	-0.18178	0.18178	0.35883	-1.5419	0.14583	0.34056	-5.1359	1.02E+08
LINC00324	-0.23036	0.23036	0.54243	-1.5419	0.14584	0.34056	-5.136	284029
EMC2	0.96921	0.96921	2.8651	1.5415	0.14594	0.34073	-5.1365	9694
ROCK2	1.769	1.769	5.4746	1.5413	0.14599	0.34081	-5.1368	9475
BLVRA	5.4313	5.4313	12.577	1.5412	0.14602	0.34083	-5.1369	644
ZNF10	-0.25898	0.25898	0.64527	-1.5409	0.14608	0.3409	-5.1373	7556
ZNF14	-0.41042	0.41042	0.96348	-1.5409	0.14609	0.3409	-5.1373	7561
ATF1	0.73821	0.73821	2.4711	1.5408	0.14612	0.34093	-5.1375	466
ALDH1A2	-0.35351	0.35351	0.44989	-1.5404	0.14621	0.34107	-5.138	8854
ASMTL-AS1	-0.22903	0.22903	0.42574	-1.5403	0.14622	0.34107	-5.1381	80161
BSN	-0.10192	0.10192	0.10717	-1.5399	0.14632	0.34122	-5.1386	8927
LOC105375218	-0.10787	0.10787	0.12067	-1.5399	0.14634	0.34122	-5.1387	1.05E+08
PRB4	-0.20702	0.20702	0.15433	-1.5398	0.14635	0.34122	-5.1388	5545
NME6	0.37147	0.37147	2.1508	1.5393	0.14647	0.34147	-5.1395	10201
BNIP1	0.55812	0.55812	1.7306	1.5392	0.1465	0.34148	-5.1396	662
INPP5B	-0.45826	0.45826	2.4867	-1.5382	0.14674	0.34192	-5.141	3633
SLC35G1	-0.13753	0.13753	0.27926	-1.5381	0.14677	0.34192	-5.1411	159371

SLCO3A1	-0.86991	0.86991	3.8492	-1.538	0.1468	0.34192	-5.1413	28232
C1QTNF9	-0.11328	0.11328	0.087184	-1.5379	0.14681	0.34192	-5.1414	338872
DCLK1	-0.45205	0.45205	0.70154	-1.5379	0.14682	0.34192	-5.1414	9201
NLRP1	-2.2707	2.2707	8.1741	-1.5378	0.14683	0.34192	-5.1415	22861
RPN1	11.981	11.981	32.635	1.5378	0.14685	0.34192	-5.1416	6184
WDR4	-0.81873	0.81873	2.8124	-1.5377	0.14685	0.34192	-5.1416	10785
FRMD4B	1.4892	1.4892	6.5599	1.5375	0.14691	0.342	-5.1419	23150
PKP4-AS1	-0.21885	0.21885	0.44325	-1.5374	0.14693	0.34201	-5.142	1E+08
MAF	-4.854	4.854	18.504	-1.5364	0.14718	0.34248	-5.1434	4094
HDHD2	-0.68958	0.68958	3.2523	-1.5364	0.14718	0.34248	-5.1434	84064
AGER	-0.10971	0.10971	0.17561	-1.5364	0.14719	0.34248	-5.1435	177
CASQ2	-0.82743	0.82743	0.68954	-1.5361	0.14724	0.34256	-5.1438	845
FGFR4	-0.1625	0.1625	0.2654	-1.5356	0.14737	0.34278	-5.1445	2264
FAF2	1.7849	1.7849	7.5313	1.5356	0.14738	0.34278	-5.1445	23197
HERPUD2	1.1202	1.1202	6.3677	1.535	0.14752	0.34305	-5.1453	64224
NIPBL-DT	-0.43743	0.43743	1.5335	-1.5348	0.14757	0.34313	-5.1456	646719
LOC101929130	0.29188	0.29188	0.39356	1.5346	0.14762	0.34319	-5.1458	1.02E+08
SNORA21B	-0.24545	0.24545	0.3461	-1.5344	0.14767	0.34322	-5.1461	1.1E+08
CENPF	0.91912	0.91912	1.673	1.5344	0.14767	0.34322	-5.1461	1063
CDS2	-1.0845	1.0845	3.9536	-1.5343	0.1477	0.34322	-5.1463	8760
ANO1	-1.5892	1.5892	5.1527	-1.5342	0.14771	0.34322	-5.1464	55107
ARHGAP44	-0.22263	0.22263	0.46616	-1.5339	0.14778	0.34327	-5.1467	9912
BBOX1-AS1	-0.25447	0.25447	0.4607	-1.5339	0.14779	0.34327	-5.1468	1.04E+08
FANCG	-0.4468	0.4468	1.87	-1.5339	0.14779	0.34327	-5.1468	2189
MEIS1-AS2	-0.68481	0.68481	0.86274	-1.533	0.14801	0.34373	-5.148	1.01E+08
ELOA-AS1	-0.12602	0.12602	0.18664	-1.5328	0.14806	0.3438	-5.1483	1.01E+08

C17orf75	-0.1667	0.1667	0.87068	-1.5326	0.1481	0.34384	-5.1485	64149
DNER	-1.05	1.05	1.9033	-1.532	0.14824	0.34412	-5.1493	92737
LOC100132057	-0.11299	0.11299	0.1636	-1.5319	0.14827	0.34413	-5.1494	1E+08
CORO2A	-0.66879	0.66879	3.0483	-1.5318	0.14829	0.34414	-5.1496	7464
ATP10A	-0.40455	0.40455	0.86877	-1.5317	0.14832	0.34416	-5.1497	57194
TMEM141	5.8672	5.8672	13.954	1.5315	0.14838	0.34422	-5.15	85014
MXD4	-3.325	3.325	10.132	-1.5314	0.14839	0.34422	-5.1501	10608
RFESD	-0.11349	0.11349	0.20273	-1.5313	0.14842	0.34422	-5.1502	317671
TMEM119	6.7212	6.7212	8.3513	1.5312	0.14846	0.34422	-5.1505	338773
CD300H	0.32878	0.32878	0.22116	1.5311	0.14846	0.34422	-5.1505	1E+08
ARHGAP23	-4.7667	4.7667	14.632	-1.5311	0.14848	0.34422	-5.1506	57636
DRICH1	-0.12596	0.12596	0.14865	-1.531	0.1485	0.34422	-5.1507	51233
LDLR	9.8783	9.8783	18.987	1.5309	0.14853	0.34422	-5.1509	3949
ALOX12B	25.068	25.068	40.348	1.5308	0.14855	0.34422	-5.151	242
WIPI2	4.0835	4.0835	9.9687	1.5307	0.14857	0.34422	-5.1511	26100
MAN2B2	-1.8548	1.8548	5.0493	-1.5306	0.14859	0.34422	-5.1512	23324
TBCD	-1.6222	1.6222	5.9076	-1.5305	0.14862	0.34422	-5.1513	6904
AUNIP	0.18204	0.18204	0.39726	1.5305	0.14862	0.34422	-5.1514	79000
BCL2L1	5.7969	5.7969	13.911	1.5304	0.14863	0.34422	-5.1514	598
MUCL1	-19.649	19.649	30.562	-1.5303	0.14867	0.34425	-5.1516	118430
C1orf35	-1.3034	1.3034	4.0021	-1.5301	0.14872	0.34434	-5.1519	79169
GBP3	-0.81896	0.81896	2.0935	-1.5299	0.14877	0.3444	-5.1522	2635
NCK2	2.6337	2.6337	9.5695	1.5296	0.14883	0.34448	-5.1525	8440
MRPS21	4.7557	4.7557	12.336	1.5296	0.14885	0.34448	-5.1526	54460
RBM39	3.0926	3.0926	18.633	1.5295	0.14887	0.34448	-5.1527	9584
CCDC88A	0.9105	0.9105	2.239	1.5292	0.14893	0.34458	-5.153	55704

EFCC1	-0.20791	0.20791	0.42165	-1.5291	0.14896	0.34461	-5.1532	79825
CCL18	21.578	21.578	19.012	1.529	0.149	0.34465	-5.1534	6362
NBAS	-0.54982	0.54982	5.4832	-1.5284	0.14913	0.3449	-5.1541	51594
AIDA	2.4178	2.4178	9.9879	1.5283	0.14917	0.34495	-5.1544	64853
FSIP2-AS1	-0.17727	0.17727	0.19893	-1.5276	0.14934	0.3453	-5.1553	1.08E+08
GMDS	-1.0595	1.0595	2.7859	-1.5274	0.14937	0.34532	-5.1555	2762
RBBP4	-1.4274	1.4274	7.2718	-1.5273	0.14941	0.34536	-5.1557	5928
ZNF320	-0.17104	0.17104	0.5564	-1.527	0.14947	0.34546	-5.156	162967
DNAJC17	-0.84227	0.84227	3.7342	-1.5268	0.14953	0.34554	-5.1563	55192
CIAPIN1	1.9313	1.9313	7.0888	1.5267	0.14955	0.34555	-5.1564	57019
STON2	3.1778	3.1778	8.74	1.5265	0.14961	0.34563	-5.1567	85439
PAK1IP1	1.1541	1.1541	3.9531	1.5264	0.14963	0.34563	-5.1569	55003
ZNF329	-0.26343	0.26343	1.273	-1.5261	0.14972	0.34578	-5.1573	79673
RNASEK	9.5185	9.5185	28.726	1.526	0.14974	0.34578	-5.1574	440400
FDPS	9.4177	9.4177	26.023	1.5257	0.14981	0.3459	-5.1578	2224
EXOC6	0.35974	0.35974	1.387	1.5255	0.14984	0.34593	-5.158	54536
HERC5	-0.99978	0.99978	1.0363	-1.5253	0.1499	0.34599	-5.1583	51191
RPP14	0.52697	0.52697	1.8251	1.5253	0.14991	0.34599	-5.1584	11102
POLD4	3.7975	3.7975	9.5458	1.5252	0.14993	0.34599	-5.1585	57804
DAD1	15.309	15.309	31.786	1.5249	0.14999	0.34609	-5.1588	1603
OPN1SW	-0.10024	0.10024	0.12798	-1.5248	0.15002	0.3461	-5.159	611
SRI	2.0268	2.0268	5.6873	1.524	0.15022	0.34651	-5.16	6717
ARHGAP27P1-BPTFP1- KPNA2P3	-1.0413	1.0413	4.7226	-1.5234	0.15037	0.34671	-5.1608	1.09E+08
GPR1	2.796	2.796	3.035	1.5234	0.15037	0.34671	-5.1609	2825
CCL17	0.21348	0.21348	0.18561	1.5234	0.15038	0.34671	-5.1609	6361

ATXN7L3B	-2.0156	2.0156	10.748	-1.5233	0.15039	0.34671	-5.161	552889
LOC100134040	-0.1161	0.1161	0.10884	-1.5231	0.15045	0.34681	-5.1613	1E+08
PCDHB5	-0.1843	0.1843	0.36608	-1.5228	0.15052	0.34692	-5.1617	26167
CSF3	1.8299	1.8299	1.7685	1.5227	0.15056	0.34697	-5.1619	1440
SDR16C5	7.5566	7.5566	10.094	1.5224	0.15063	0.34709	-5.1623	195814
NAALAD2	-0.13927	0.13927	0.22221	-1.5218	0.15078	0.34738	-5.1631	10003
TBC1D9	0.94344	0.94344	3.3096	1.521	0.15097	0.34773	-5.1641	23158
SPP1	14.182	14.182	7.6032	1.521	0.15098	0.34773	-5.1642	6696
COL8A2	2.1014	2.1014	3.6223	1.5209	0.15099	0.34773	-5.1642	1296
OGFOD2	-0.56411	0.56411	1.868	-1.5208	0.15102	0.34774	-5.1643	79676
SLC35E2A	-1.3961	1.3961	2.812	-1.5207	0.15105	0.34777	-5.1645	9906
XAF1	-2.2432	2.2432	3.0773	-1.5202	0.15118	0.348	-5.1652	54739
CYP1B1-AS1	-0.12991	0.12991	0.11468	-1.52	0.15122	0.348	-5.1655	285154
PLEKHM2	5.3939	5.3939	17.531	1.5199	0.15124	0.348	-5.1656	23207
LAX1	-0.12428	0.12428	0.25349	-1.5199	0.15125	0.348	-5.1656	54900
LOC643327	-1.4698	1.4698	1.8969	-1.5198	0.15127	0.348	-5.1657	643327
C1GALT1C1	0.83016	0.83016	2.0157	1.5198	0.15127	0.348	-5.1657	29071
PLCB3	3.3867	3.3867	8.339	1.5191	0.15144	0.34832	-5.1666	5331
NOTCH2NLA	-0.7527	0.7527	0.69555	-1.519	0.15147	0.34835	-5.1668	388677
RHCE	0.23162	0.23162	0.23679	1.5188	0.15151	0.34841	-5.167	6006
TNMD	-0.2323	0.2323	0.14841	-1.5186	0.15158	0.34849	-5.1674	64102
MIR181A1HG	0.24242	0.24242	0.35685	1.5185	0.1516	0.34849	-5.1675	1E+08
GLIPR2	1.6714	1.6714	3.1161	1.5184	0.15161	0.34849	-5.1676	152007
MFSD10	3.2524	3.2524	7.6171	1.5183	0.15165	0.34853	-5.1678	10227
UFSP2	1.0903	1.0903	4.6761	1.5181	0.1517	0.34861	-5.168	55325
CLCN2	-0.17502	0.17502	0.6272	-1.5177	0.1518	0.34875	-5.1685	1181

PRMT5	3.553	3.553	9.8644	1.5176	0.15181	0.34875	-5.1686	10419
RPGR	0.30959	0.30959	1.0832	1.5176	0.15183	0.34875	-5.1687	6103
ETNK1	0.56254	0.56254	2.8851	1.5172	0.15192	0.3489	-5.1692	55500
LRRC17	1.0078	1.0078	0.94741	1.5171	0.15195	0.34893	-5.1693	10234
MRPS23	2.2186	2.2186	5.0897	1.5169	0.152	0.349	-5.1696	51649
BMX	-0.36624	0.36624	0.59414	-1.5168	0.15202	0.349	-5.1697	660
RXRБ	-0.21533	0.21533	1.0221	-1.5164	0.15211	0.34916	-5.1702	6257
TNFSF9	1.3423	1.3423	1.4765	1.5161	0.1522	0.34931	-5.1707	8744
QRICH1	-0.86803	0.86803	8.0693	-1.5157	0.15229	0.34944	-5.1712	54870
C19orf44	-0.23545	0.23545	0.63176	-1.5157	0.15229	0.34944	-5.1712	84167
INE1	-0.55019	0.55019	1.517	-1.5155	0.15234	0.3495	-5.1715	8552
GALNT18	1.3992	1.3992	5.4245	1.5154	0.15238	0.34954	-5.1716	374378
PCDHGA3	-0.11871	0.11871	0.23726	-1.5152	0.15242	0.34959	-5.1719	56112
WDFY3-AS2	-0.11008	0.11008	0.27444	-1.515	0.15246	0.34963	-5.1721	404201
MRPL33	4.1634	4.1634	10.344	1.5148	0.15252	0.34971	-5.1724	9553
PARL	-1.7975	1.7975	7.7158	-1.5147	0.15254	0.34972	-5.1725	55486
TBCE	0.35679	0.35679	2.1696	1.5145	0.15258	0.34977	-5.1727	6905
ASNS	1.33	1.33	2.5567	1.5144	0.15262	0.3498	-5.1729	440
SLC6A14	5.1534	5.1534	6.4626	1.5143	0.15264	0.3498	-5.173	11254
SLC7A2	-1.8415	1.8415	3.0382	-1.5142	0.15267	0.3498	-5.1732	6542
AHCYL1	1.6361	1.6361	8.7988	1.5141	0.15269	0.3498	-5.1733	10768
MAP9	0.21831	0.21831	0.33554	1.5141	0.1527	0.3498	-5.1733	79884
TVP23A	-0.10676	0.10676	0.16772	-1.513	0.15296	0.35035	-5.1747	780776
SOX15	6.9808	6.9808	14.833	1.5128	0.15303	0.35043	-5.1751	6665
TMEM50B	-1.0194	1.0194	3.9778	-1.5127	0.15304	0.35043	-5.1751	757
MX1	-14.013	14.013	9.1847	-1.5124	0.15312	0.35058	-5.1756	4599

GTPBP3	-0.7959	0.7959	2.5333	-1.5122	0.15318	0.35067	-5.1759	84705
LRCH4	-1.496	1.496	5.191	-1.5119	0.15326	0.3508	-5.1763	4034
LOC107985544	-0.12763	0.12763	0.38652	-1.5116	0.15332	0.35089	-5.1766	1.08E+08
KIF4A	0.53321	0.53321	0.88214	1.511	0.15349	0.35119	-5.1775	24137
FOXJ3	-0.89626	0.89626	5.236	-1.5109	0.15351	0.35119	-5.1776	22887
PSPH	0.67052	0.67052	1.7812	1.5108	0.15351	0.35119	-5.1777	5723
ATXN1L	-1.1399	1.1399	6.0634	-1.5107	0.15355	0.35123	-5.1779	342371
YY2	-0.16613	0.16613	0.51053	-1.5103	0.15365	0.35141	-5.1784	404281
MAN1A1	3.1504	3.1504	8.9258	1.5101	0.15371	0.35149	-5.1787	4121
IFT43	0.80703	0.80703	2.4226	1.5099	0.15375	0.35152	-5.1789	112752
SRPK1	11.596	11.596	14.119	1.5098	0.15378	0.35152	-5.179	6732
ANKDD1A	-0.31265	0.31265	0.72712	-1.5098	0.15378	0.35152	-5.1791	348094
PKDCC	-1.403	1.403	1.6735	-1.5095	0.15385	0.35162	-5.1794	91461
ZNF763	-0.16372	0.16372	0.37477	-1.5094	0.15389	0.35166	-5.1796	284390
RAB11A	5.8878	5.8878	19.433	1.5091	0.15396	0.35177	-5.18	8766
GOLGA4	4.7323	4.7323	14.006	1.5087	0.15405	0.35192	-5.1805	2803
LCE3A	31.751	31.751	26.66	1.5087	0.15406	0.35192	-5.1806	353142
TMEM164	-1.1592	1.1592	4.4478	-1.5083	0.15416	0.35209	-5.1811	84187
PTP4A1	4.5994	4.5994	12.918	1.5079	0.15426	0.35228	-5.1816	7803
CENPA	0.6477	0.6477	1.096	1.5073	0.15441	0.35256	-5.1824	1058
MYCBP2	-7.0163	7.0163	19.098	-1.5069	0.15451	0.35275	-5.1829	23077
CLEC12A	0.30073	0.30073	0.30627	1.5068	0.15454	0.35277	-5.1831	160364
RGS13	-0.16504	0.16504	0.2204	-1.5065	0.15462	0.3529	-5.1835	6003
NDUF5	-0.25517	0.25517	1.2456	-1.5061	0.15472	0.35304	-5.184	79133
FCF1	1.3794	1.3794	4.8336	1.5061	0.15472	0.35304	-5.184	51077
KIAA1614	-0.53156	0.53156	1.0211	-1.506	0.15475	0.35307	-5.1842	57710

ZNF618	-0.55931	0.55931	1.4074	-1.5055	0.15488	0.35331	-5.1848	114991
PTGR2	-0.35104	0.35104	1.1971	-1.5052	0.15496	0.35341	-5.1852	145482
CAMSAP1	1.5212	1.5212	6.3337	1.5051	0.15497	0.35341	-5.1853	157922
MAP4K4	4.6663	4.6663	12.321	1.5048	0.15506	0.35356	-5.1858	9448
C2orf69	0.47534	0.47534	2.4239	1.5046	0.1551	0.35356	-5.186	205327
OGDH	5.1898	5.1898	17.832	1.5046	0.15511	0.35356	-5.186	4967
ERVH48-1	-0.15556	0.15556	0.30758	-1.5045	0.15512	0.35356	-5.1861	90625
SAP30BP	1.5109	1.5109	6.9331	1.5044	0.15516	0.35361	-5.1863	29115
TMEM154	7.9569	7.9569	20.753	1.5038	0.15529	0.35383	-5.187	201799
PWWP2B	-1.0975	1.0975	3.4324	-1.5038	0.1553	0.35383	-5.187	170394
REXO1	-1.546	1.546	6.2237	-1.5035	0.15537	0.35395	-5.1874	57455
SMCR8	-0.7555	0.7555	3.7574	-1.5033	0.15542	0.35398	-5.1877	140775
PLD2	7.9786	7.9786	18.309	1.5033	0.15543	0.35398	-5.1877	5338
MED14	1.1815	1.1815	5.775	1.5032	0.15545	0.35398	-5.1878	9282
ABI2	-0.65505	0.65505	2.4922	-1.503	0.1555	0.35398	-5.1881	10152
PRRT4	-0.14837	0.14837	0.25787	-1.503	0.1555	0.35398	-5.1881	401399
TRIM4	-1.2588	1.2588	5.2844	-1.503	0.15551	0.35398	-5.1881	89122
MAP1A	-1.4636	1.4636	2.6047	-1.5026	0.15562	0.35417	-5.1887	4130
LINC01133	-0.65157	0.65157	1.447	-1.5024	0.15566	0.35423	-5.1889	1.01E+08
SH3GL1P1	-0.36301	0.36301	0.91255	-1.502	0.15577	0.35432	-5.1895	6458
MRPL27	6.3298	6.3298	14.867	1.5019	0.15579	0.35432	-5.1896	51264
LEO1	1.1107	1.1107	4.5643	1.5019	0.15579	0.35432	-5.1896	123169
NDUFS1	1.9355	1.9355	10.237	1.5018	0.15581	0.35432	-5.1897	4719
DCANP1	-0.11844	0.11844	0.17019	-1.5018	0.15581	0.35432	-5.1897	140947
LDHD	-0.40923	0.40923	0.87029	-1.5017	0.15583	0.35432	-5.1898	197257
CORO6	-0.82157	0.82157	1.1364	-1.5017	0.15585	0.35432	-5.1899	84940

CKMT1B	2.4615	2.4615	8.0151	1.5015	0.15588	0.35434	-5.19	1159
SNX9	3.5598	3.5598	14.527	1.5009	0.15604	0.35463	-5.1909	51429
KAZN-AS1	-0.21869	0.21869	0.37109	-1.5009	0.15605	0.35463	-5.1909	1.05E+08
ARMC1	0.84107	0.84107	3.424	1.5008	0.15608	0.35465	-5.1911	55156
TGOLN2	-2.6486	2.6486	14.105	-1.5006	0.15611	0.35466	-5.1912	10618
DDX21	5.7585	5.7585	14.596	1.5006	0.15612	0.35466	-5.1913	9188
COX6A1	40.144	40.144	90.751	1.5	0.15627	0.35495	-5.1921	1337
NUP85	-1.0907	1.0907	5.17	-1.4998	0.15632	0.35501	-5.1923	79902
LTB4R	-6.1502	6.1502	21.616	-1.4996	0.15638	0.35511	-5.1927	1241
LOC645967	-0.17929	0.17929	0.37016	-1.4989	0.15656	0.35541	-5.1936	645967
GOLGA2P7	-2.2536	2.2536	4.8816	-1.4988	0.15658	0.35541	-5.1936	388152
CYP51A1	5.6634	5.6634	13.114	1.4987	0.15661	0.35541	-5.1938	1595
CSNK2A1	1.9141	1.9141	9.0864	1.4987	0.15661	0.35541	-5.1938	1457
C5orf34	-0.16251	0.16251	0.36469	-1.4986	0.15662	0.35541	-5.1939	375444
PANK3	3.4114	3.4114	13.439	1.4985	0.15665	0.35541	-5.194	79646
SORBS2	-0.42246	0.42246	0.69643	-1.4985	0.15666	0.35541	-5.1941	8470
ATG9A	2.9177	2.9177	11.011	1.4983	0.15671	0.35546	-5.1944	79065
LRP10	11.096	11.096	28.638	1.4982	0.15673	0.35546	-5.1944	26020
SEC62	1.3058	1.3058	4.7869	1.4981	0.15677	0.3555	-5.1946	7095
ABHD1	-0.10258	0.10258	0.11393	-1.4977	0.15686	0.35566	-5.1951	84696
DYNC2H1	-0.50171	0.50171	1.6863	-1.4976	0.15688	0.35566	-5.1952	79659
ZNF776	-0.40434	0.40434	2.2091	-1.4972	0.15699	0.35587	-5.1958	284309
ATG13	1.5647	1.5647	6.0744	1.4967	0.15712	0.35601	-5.1965	9776
FXD5	4.4689	4.4689	9.2298	1.4966	0.15714	0.35601	-5.1966	53827
TTC23	-0.25482	0.25482	1.8464	-1.4964	0.1572	0.35601	-5.1969	64927
LINC00260	-0.61176	0.61176	1.2887	-1.4964	0.1572	0.35601	-5.1969	84719

PPP6R3	1.3095	1.3095	8.0632	1.4963	0.15723	0.35601	-5.197	55291
LINC01697	-0.14509	0.14509	0.1395	-1.4963	0.15723	0.35601	-5.197	284825
CHRNA3	0.29091	0.29091	0.34681	1.4962	0.15724	0.35601	-5.1971	1136
ZHX1	1.6365	1.6365	5.8531	1.4961	0.15728	0.35601	-5.1973	11244
IFIT1	-2.2181	2.2181	1.7981	-1.496	0.1573	0.35601	-5.1974	3434
SERPINA3	-10.451	10.451	8.1852	-1.496	0.15731	0.35601	-5.1974	12
SMC4	1.1064	1.1064	2.9424	1.496	0.15731	0.35601	-5.1974	10051
KLK14	-0.68858	0.68858	1.6002	-1.496	0.15731	0.35601	-5.1974	43847
TMEM126A	1.9829	1.9829	4.5393	1.4956	0.15741	0.35619	-5.1979	84233
CRYZL2P	-0.32297	0.32297	1.1335	-1.4953	0.15747	0.35629	-5.1983	730102
FAM76A	-0.4271	0.4271	2.3047	-1.4948	0.15761	0.35655	-5.199	199870
ENTPD8	-0.09879	0.098792	0.098097	-1.4944	0.15772	0.35672	-5.1995	377841
AHNAK2	-15.235	15.235	52.826	-1.4943	0.15774	0.35672	-5.1996	113146
UBR2	-0.64095	0.64095	4.5713	-1.4943	0.15775	0.35672	-5.1997	23304
GBP1P1	-0.20339	0.20339	0.28395	-1.4939	0.15784	0.35687	-5.2001	400759
TBC1D19	-0.2665	0.2665	1.0779	-1.4938	0.15788	0.35691	-5.2003	55296
ZNF563	-0.27577	0.27577	0.76544	-1.4937	0.1579	0.35691	-5.2005	147837
HNRNPA1	-22.499	22.499	86.181	-1.4936	0.15793	0.35691	-5.2006	3178
B3GAT3	-1.4979	1.4979	4.1108	-1.4935	0.15794	0.35691	-5.2006	26229
ALMS1	-0.76361	0.76361	2.6748	-1.4932	0.15803	0.35703	-5.2011	7840
NOX1	-0.09379	0.093786	0.072053	-1.4932	0.15804	0.35703	-5.2011	27035
CLK3	1.2637	1.2637	5.4256	1.4928	0.15812	0.35717	-5.2016	1198
WDR83	-0.52044	0.52044	1.6854	-1.4923	0.15826	0.35743	-5.2023	84292
LARGE2	-1.8404	1.8404	5.3153	-1.4922	0.15827	0.35743	-5.2024	120071
MED10	2.9867	2.9867	8.7277	1.4916	0.15845	0.35774	-5.2032	84246
NT5C3B	2.1426	2.1426	6.2836	1.4915	0.15847	0.35774	-5.2034	115024

ATP1B1	-5.4026	5.4026	10.829	-1.4915	0.15847	0.35774	-5.2034	481
NDUFAF2	2.4025	2.4025	6.1389	1.4913	0.15852	0.3578	-5.2036	91942
TMED11P	-0.12071	0.12071	0.094754	-1.4908	0.15864	0.35803	-5.2043	1E+08
KCNN3	0.18954	0.18954	0.33968	1.4907	0.15867	0.35805	-5.2044	3782
RAB12	2.0118	2.0118	9.2018	1.4904	0.15874	0.35815	-5.2048	201475
HEBP2	11.662	11.662	27.449	1.4902	0.15879	0.3582	-5.205	23593
EXOSC5	-1.4822	1.4822	4.0678	-1.4901	0.15883	0.3582	-5.2052	56915
SORBS3	-6.3957	6.3957	14.076	-1.4901	0.15883	0.3582	-5.2052	10174
ERP27	0.47845	0.47845	0.62846	1.4897	0.15892	0.3583	-5.2057	121506
COA6	1.0649	1.0649	2.5942	1.4897	0.15894	0.3583	-5.2058	388753
CMPK1	3.4566	3.4566	13.65	1.4897	0.15894	0.3583	-5.2058	51727
RPS27L	7.2841	7.2841	11.027	1.4896	0.15896	0.3583	-5.2058	51065
TXNRD3	-0.47958	0.47958	2.3245	-1.4892	0.15905	0.35841	-5.2063	114112
ARG1	70.643	70.643	53.926	1.4892	0.15907	0.35841	-5.2064	383
GREB1	-0.18541	0.18541	0.4843	-1.4892	0.15907	0.35841	-5.2064	9687
MZF1	-0.96874	0.96874	2.4839	-1.489	0.15911	0.35844	-5.2066	7593
TRAF2	-0.88836	0.88836	2.6803	-1.489	0.15912	0.35844	-5.2067	7186
TOP1MT	-1.0453	1.0453	3.1642	-1.4886	0.15921	0.35859	-5.2071	116447
GRIN3B	0.25343	0.25343	0.41208	1.4884	0.15927	0.35863	-5.2074	116444
WDR77	1.1219	1.1219	5.2872	1.4884	0.15927	0.35863	-5.2075	79084
LINC00473	0.44925	0.44925	0.45616	1.488	0.15936	0.35878	-5.2079	90632
CCZ1B	-1.527	1.527	3.8692	-1.4876	0.15948	0.3589	-5.2085	221960
IL2RB	-0.48223	0.48223	1.0978	-1.4876	0.15949	0.3589	-5.2085	3560
CXCL2	1.9296	1.9296	2.3899	1.4876	0.15949	0.3589	-5.2085	2920
DNMT3B	0.78297	0.78297	1.6236	1.4875	0.15951	0.3589	-5.2087	1789
NDUFC1	2.8089	2.8089	7.1306	1.4874	0.15952	0.3589	-5.2087	4717

PPP2R3B	-0.56308	0.56308	1.2878	-1.4873	0.15954	0.35891	-5.2088	28227
SCARNA11	-0.14543	0.14543	0.11742	-1.4872	0.15957	0.35892	-5.209	677780
FHL1	-3.9634	3.9634	6.9497	-1.4866	0.15975	0.35927	-5.2099	2273
PEX11G	-0.55697	0.55697	1.2179	-1.4863	0.15981	0.35936	-5.2102	92960
LOC101927190	-0.11454	0.11454	0.16707	-1.4861	0.15988	0.35947	-5.2105	1.02E+08
TMSB4Y	-0.16562	0.16562	0.39234	-1.4858	0.15995	0.35957	-5.2108	9087
CWC27	0.35178	0.35178	1.5037	1.4854	0.16005	0.35974	-5.2114	10283
GPR65	0.22887	0.22887	0.31504	1.4854	0.16007	0.35974	-5.2114	8477
SLC25A33	0.45059	0.45059	1.5564	1.4852	0.16011	0.35979	-5.2117	84275
COL6A3	59.432	59.432	75.959	1.4847	0.16024	0.36	-5.2123	1293
FOXO1	-1.2784	1.2784	6.2261	-1.4847	0.16024	0.36	-5.2123	2308
SGCE	1.9853	1.9853	2.717	1.4844	0.16032	0.36013	-5.2128	8910
SPHK2	-0.53451	0.53451	1.5152	-1.484	0.16041	0.36028	-5.2132	56848
IL13RA2	0.20761	0.20761	0.22772	1.4839	0.16043	0.36028	-5.2133	3598
PEBP1	-9.7586	9.7586	38.575	-1.4839	0.16045	0.36028	-5.2134	5037
LOC102723439	-0.19794	0.19794	0.37352	-1.4837	0.16051	0.36035	-5.2137	1.03E+08
JCHAIN	-2.1605	2.1605	2.7195	-1.4832	0.16063	0.36054	-5.2143	3512
PABPC1	84.462	84.462	248.78	1.4832	0.16063	0.36054	-5.2143	26986
HMGN3-AS1	-0.11536	0.11536	0.51332	-1.483	0.16067	0.36057	-5.2145	1E+08
RNF8	0.33672	0.33672	1.6523	1.4829	0.1607	0.36058	-5.2146	9025
ZC3H8	-0.40987	0.40987	1.7616	-1.4821	0.16091	0.36101	-5.2157	84524
GATD3A	-0.80609	0.80609	2.1794	-1.482	0.16095	0.36105	-5.2159	8209
C14orf119	1.8819	1.8819	4.5362	1.4818	0.16101	0.36113	-5.2162	55017
RRM2	2.6657	2.6657	3.7289	1.4814	0.1611	0.36129	-5.2166	6241
CTSS	5.9545	5.9545	7.3106	1.4812	0.16116	0.36138	-5.2169	1520
MED4	1.2814	1.2814	5.0923	1.4808	0.16126	0.36156	-5.2174	29079

KLC3	7.609	7.609	17.992	1.4805	0.16133	0.36166	-5.2178	147700
POR	6.037	6.037	16.894	1.4803	0.16138	0.36173	-5.218	5447
TFB2M	1.0908	1.0908	3.2693	1.4802	0.16142	0.36175	-5.2182	64216
SLC25A19	0.43467	0.43467	1.0354	1.4802	0.16143	0.36175	-5.2183	60386
PISD	-0.58393	0.58393	3.3217	-1.48	0.16146	0.36176	-5.2184	23761
MPDU1	2.6753	2.6753	7.6473	1.4796	0.16156	0.36195	-5.2189	9526
AHSA1	3.8857	3.8857	13.269	1.4795	0.1616	0.36197	-5.2191	10598
MKKS	0.8435	0.8435	2.9186	1.4795	0.16161	0.36197	-5.2192	8195
ZNF460	1.9181	1.9181	13.883	1.4791	0.1617	0.36211	-5.2196	10794
SNCG	-1.4909	1.4909	2.5841	-1.4783	0.16192	0.36252	-5.2207	6623
TCEAL3	-1.8025	1.8025	3.6251	-1.4782	0.16196	0.36252	-5.2209	85012
PROK1	-0.71078	0.71078	0.43057	-1.4781	0.16197	0.36252	-5.221	84432
FAM169A	0.12894	0.12894	0.24395	1.478	0.16199	0.36252	-5.2211	26049
CYLD	-0.80623	0.80623	4.1442	-1.478	0.162	0.36252	-5.2211	1540
LAMTOR2	5.2769	5.2769	12.583	1.478	0.16201	0.36252	-5.2212	28956
KCP	0.16265	0.16265	0.25537	1.4777	0.16208	0.36257	-5.2215	375616
ACSM3	-0.15155	0.15155	0.28863	-1.4776	0.16209	0.36257	-5.2216	6296
CHAC1	3.8731	3.8731	4.1792	1.4776	0.1621	0.36257	-5.2216	79094
HNRNPUL1	-5.9044	5.9044	26.83	-1.4772	0.16222	0.3628	-5.2222	11100
CPPED1	0.75773	0.75773	2.3675	1.4768	0.16231	0.36293	-5.2227	55313
SYS1-DBNDD2	-0.31575	0.31575	0.30929	-1.4767	0.16233	0.36293	-5.2228	767557
MIR54811	-0.14185	0.14185	0.14558	-1.4766	0.16236	0.36293	-5.2229	1E+08
LOC101927164	-1.0258	1.0258	1.4205	-1.4765	0.16238	0.36293	-5.223	1.02E+08
NDUFA4	8.9201	8.9201	15.558	1.4765	0.16239	0.36293	-5.223	4697
LCA5L	-0.11112	0.11112	0.17178	-1.4764	0.16242	0.36293	-5.2232	150082
ELF3-AS1	-0.12481	0.12481	0.42528	-1.4763	0.16244	0.36293	-5.2233	1.03E+08

DHX38	-2.0759	2.0759	7.752	-1.4762	0.16246	0.36293	-5.2234	9785
GCN1	-2.5327	2.5327	9.7781	-1.4761	0.16249	0.36293	-5.2236	10985
R3HCC1L	0.6944	0.6944	2.6831	1.4761	0.16249	0.36293	-5.2236	27291
LINC01504	-0.10235	0.10235	0.12646	-1.476	0.16254	0.36296	-5.2238	1.01E+08
PCM1	-1.4385	1.4385	6.3103	-1.4759	0.16255	0.36296	-5.2239	5108
LOC101927543	-0.17184	0.17184	0.25743	-1.4757	0.16259	0.36301	-5.2241	1.02E+08
NADSYN1	4.7555	4.7555	13.401	1.4755	0.16265	0.36308	-5.2243	55191
DPYSL3	5.9729	5.9729	12.181	1.4754	0.16268	0.3631	-5.2245	1809
KLF7	1.202	1.202	4.1453	1.4753	0.16271	0.36312	-5.2246	8609
SDHAF3	0.3478	0.3478	1.0585	1.4752	0.16273	0.36312	-5.2247	57001
IMPDH1	4.9448	4.9448	12.577	1.475	0.16278	0.36319	-5.225	3614
SLC35B4	0.55653	0.55653	1.5726	1.4746	0.16289	0.36339	-5.2256	84912
CASP3	1.5874	1.5874	3.8823	1.4745	0.16292	0.3634	-5.2257	836
MID1IP1	1.566	1.566	4.549	1.4743	0.16297	0.36346	-5.2259	58526
LOC100507006	-0.13901	0.13901	0.29431	-1.474	0.16306	0.3636	-5.2264	1.01E+08
LXN	1.5452	1.5452	2.8266	1.4739	0.16308	0.3636	-5.2265	56925
TRDMT1	-0.18435	0.18435	0.38985	-1.4735	0.16319	0.3638	-5.227	1787
DNMT3A	-0.63521	0.63521	2.1478	-1.4734	0.16321	0.3638	-5.2271	1788
ARL2BP	2.948	2.948	11.122	1.4729	0.16334	0.36405	-5.2278	23568
ELOVL5	1.853	1.853	4.6068	1.4728	0.16338	0.36408	-5.2279	60481
SLC31A1	3.5764	3.5764	7.919	1.4725	0.16346	0.36423	-5.2284	1317
STXBP6	-0.2703	0.2703	0.48649	-1.4724	0.16349	0.36424	-5.2285	29091
URAHP	-0.13995	0.13995	0.33592	-1.4723	0.16351	0.36424	-5.2286	1E+08
APCDD1L	0.24206	0.24206	0.45287	1.4721	0.16356	0.36426	-5.2288	164284
ZCCHC3	-0.67168	0.67168	2.5706	-1.4721	0.16357	0.36426	-5.2289	85364
MYBL2	1.481	1.481	2.4121	1.472	0.16359	0.36426	-5.229	4605

TFEC	0.17256	0.17256	0.25081	1.4719	0.16361	0.36426	-5.2291	22797
KIAA1841	0.18397	0.18397	0.84645	1.4718	0.16365	0.36431	-5.2293	84542
SYCP2L	-0.10919	0.10919	0.12106	-1.4715	0.16372	0.36441	-5.2296	221711
PAGR1	-1.2083	1.2083	3.9626	-1.4713	0.16377	0.36443	-5.2299	79447
SNORA79B	-3.4709	3.4709	3.4961	-1.4713	0.16377	0.36443	-5.2299	1.1E+08
SLC44A5	-0.46906	0.46906	0.65582	-1.4712	0.1638	0.36445	-5.23	204962
RUSC1	1.4792	1.4792	5.5299	1.4708	0.16391	0.36463	-5.2305	23623
DHX37	-0.96581	0.96581	2.9064	-1.4707	0.16393	0.36463	-5.2306	57647
CCNDBP1	0.95185	0.95185	3.6545	1.4701	0.16409	0.36487	-5.2314	23582
TMEM70	1.0299	1.0299	2.8625	1.4701	0.16409	0.36487	-5.2315	54968
SOS2	-0.96362	0.96362	4.3515	-1.4701	0.1641	0.36487	-5.2315	6655
TTC31	-0.52081	0.52081	3.3905	-1.4695	0.16425	0.36515	-5.2322	64427
EDEM1	2.0505	2.0505	9.0429	1.4693	0.16431	0.36525	-5.2325	9695
DKK1	-1.2649	1.2649	0.73298	-1.469	0.16439	0.36537	-5.2329	22943
TCTN1	-0.32957	0.32957	1.2261	-1.4688	0.16443	0.3654	-5.2331	79600
BIRC3	-0.52645	0.52645	0.9398	-1.4688	0.16445	0.3654	-5.2332	330
SLC9A3R1	5.5391	5.5391	18.128	1.4687	0.16448	0.3654	-5.2333	9368
UNC5B	4.0865	4.0865	8.9861	1.4686	0.16449	0.3654	-5.2334	219699
CNTNAP3	-1.7877	1.7877	3.41	-1.4684	0.16454	0.36547	-5.2336	79937
CCDC97	-1.3492	1.3492	5.3351	-1.4682	0.16461	0.36547	-5.234	90324
MESP1	-0.16947	0.16947	0.20338	-1.468	0.16466	0.36547	-5.2342	55897
LARP4	0.68003	0.68003	3.3572	1.468	0.16466	0.36547	-5.2342	113251
ILF2	7.5581	7.5581	24.192	1.4679	0.16467	0.36547	-5.2343	3608
IRF6	8.4813	8.4813	27.546	1.4679	0.16468	0.36547	-5.2343	3664
NOSIP	3.4781	3.4781	9.0791	1.4679	0.16469	0.36547	-5.2344	51070
TUSC3	0.71021	0.71021	1.7477	1.4678	0.16471	0.36547	-5.2345	7991

SELP	1.5193	1.5193	2.7751	1.4678	0.16471	0.36547	-5.2345	6403
HAT1	2.842	2.842	7.5698	1.4674	0.16482	0.36565	-5.235	8520
IFIH1	-1.6066	1.6066	2.6502	-1.4671	0.16489	0.36576	-5.2353	64135
RPL31	65.185	65.185	126.28	1.4668	0.16497	0.36584	-5.2357	6160
MLF1	0.30625	0.30625	0.83788	1.4668	0.16497	0.36584	-5.2357	4291
CCR1	2.2359	2.2359	2.8654	1.4666	0.16504	0.36594	-5.236	1230
GIMAP5	-1.5047	1.5047	2.4235	-1.4663	0.16512	0.36609	-5.2365	55340
CLUH	-4.2007	4.2007	12.812	-1.4661	0.16517	0.3661	-5.2367	23277
NPTX2	0.76769	0.76769	1.3005	1.4661	0.16517	0.3661	-5.2367	4885
PPP1R11	0.61587	0.61587	1.9633	1.466	0.16519	0.3661	-5.2368	6992
OXSM	0.51296	0.51296	1.6569	1.4658	0.16524	0.36615	-5.237	54995
MGAM	0.22928	0.22928	0.2228	1.4655	0.16534	0.3663	-5.2375	8972
CTR9	1.6326	1.6326	5.7273	1.4654	0.16535	0.3663	-5.2376	9646
VPS37A	0.36634	0.36634	2.1972	1.4653	0.16539	0.36635	-5.2378	137492
DMRT3	0.18298	0.18298	0.19671	1.4651	0.16543	0.36638	-5.2379	58524
GSTM4	-1.7364	1.7364	3.2187	-1.465	0.16547	0.36643	-5.2382	2948
LINC01521	-0.19797	0.19797	0.32034	-1.4649	0.16549	0.36643	-5.2383	54944
MDH1	5.8223	5.8223	14.668	1.4648	0.16552	0.36644	-5.2384	4190
PGM5	-1.2079	1.2079	2.3867	-1.4639	0.16576	0.36691	-5.2395	5239
RUSC1-AS1	-0.28494	0.28494	0.89932	-1.4636	0.16583	0.36702	-5.2399	284618
PHIP	-0.75954	0.75954	3.7218	-1.4635	0.16587	0.36707	-5.2401	55023
CA12	-6.0674	6.0674	21.286	-1.4628	0.16605	0.36743	-5.241	771
TSPAN31	1.9592	1.9592	6.0169	1.4626	0.16612	0.36752	-5.2413	6302
CDH11	4.0925	4.0925	5.7711	1.462	0.16626	0.36776	-5.242	1009
L3MBTL2	-0.90348	0.90348	3.9549	-1.462	0.16627	0.36776	-5.242	83746
TRAPPC6B	0.69029	0.69029	3.6141	1.4618	0.16632	0.36783	-5.2423	122553

ZNRD1	0.28753	0.28753	0.78199	1.4617	0.16635	0.36784	-5.2424	30834
DGAT2L6	-0.09895	0.098945	0.086622	-1.4606	0.16665	0.36847	-5.2439	347516
SCAMP1-AS1	-0.34576	0.34576	0.9625	-1.4604	0.1667	0.36853	-5.2441	728769
UQCR11	8.7868	8.7868	18.915	1.4601	0.16678	0.36865	-5.2445	10975
CRTC2	-1.1342	1.1342	6.2501	-1.46	0.1668	0.36865	-5.2446	200186
GDPD2	-0.70638	0.70638	2.1762	-1.4599	0.16683	0.36867	-5.2447	54857
SNAP23	1.8082	1.8082	6.1284	1.4589	0.16709	0.36913	-5.246	8773
PCDH20	-0.16484	0.16484	0.14615	-1.4588	0.16713	0.36913	-5.2462	64881
ATP5F1C	12.177	12.177	30.999	1.4588	0.16714	0.36913	-5.2462	509
FCGR2A	8.0471	8.0471	9.4318	1.4588	0.16714	0.36913	-5.2462	2212
SOAT1	0.78914	0.78914	1.7438	1.4587	0.16717	0.36913	-5.2463	6646
HSDL2	4.996	4.996	8.696	1.4586	0.16719	0.36913	-5.2465	84263
CIAO3	-0.9872	0.9872	3.2136	-1.4585	0.16721	0.36913	-5.2465	64428
ZNF407	-0.47249	0.47249	2.3974	-1.4584	0.16723	0.36913	-5.2467	55628
RNF113B	-0.16786	0.16786	0.25907	-1.4584	0.16724	0.36913	-5.2467	140432
PRKAR1A	5.2271	5.2271	21.105	1.4582	0.16729	0.3692	-5.2469	5573
OAS3	-5.2197	5.2197	6.6179	-1.4579	0.16737	0.36931	-5.2473	4940
NUF2	0.41664	0.41664	0.65871	1.4577	0.16743	0.3694	-5.2476	83540
CD53	3.4674	3.4674	5.259	1.4576	0.16747	0.3694	-5.2478	963
TMEM131	1.3177	1.3177	9.2737	1.4576	0.16747	0.3694	-5.2478	23505
BMP1	3.5624	3.5624	6.0908	1.4574	0.16751	0.36941	-5.248	649
PARP14	-3.1234	3.1234	5.5145	-1.4574	0.16752	0.36941	-5.248	54625
VPS72	2.2384	2.2384	7.7878	1.4572	0.16756	0.36945	-5.2482	6944
ALDH3B2	19.129	19.129	38.131	1.4571	0.1676	0.36947	-5.2484	222
KLHL6	0.22369	0.22369	0.42708	1.457	0.16761	0.36947	-5.2485	89857
EXTL2	0.53526	0.53526	1.0283	1.457	0.16763	0.36947	-5.2486	2135

PLEKHA2	1.0127	1.0127	4.5032	1.4569	0.16766	0.36948	-5.2487	59339
MRI1	-1.2474	1.2474	4.0737	-1.4566	0.16774	0.3696	-5.2491	84245
FKBP10	7.29	7.29	12.165	1.4564	0.16779	0.3696	-5.2493	60681
LOC101927318	-0.35589	0.35589	0.37053	-1.4563	0.16781	0.3696	-5.2494	1.02E+08
SVIP	-0.29419	0.29419	0.72131	-1.4563	0.16782	0.3696	-5.2495	258010
TEKT4P2	0.82369	0.82369	2.1903	1.4562	0.16784	0.3696	-5.2496	1E+08
LRIF1	0.43345	0.43345	1.4332	1.4562	0.16784	0.3696	-5.2496	55791
MED13	1.1682	1.1682	7.7678	1.4556	0.168	0.36986	-5.2503	9969
GBE1	2.3807	2.3807	7.7911	1.4556	0.16801	0.36986	-5.2504	2632
NAIP	-1.1351	1.1351	3.2422	-1.4552	0.1681	0.37003	-5.2508	4671
ZNF442	-0.15871	0.15871	0.41546	-1.4551	0.16813	0.37003	-5.2509	79973
ANAPC2	-2.1191	2.1191	6.0334	-1.4549	0.16818	0.3701	-5.2512	29882
GYS1	3.2785	3.2785	10.425	1.4548	0.16821	0.37012	-5.2513	2997
NUDT22	3.1698	3.1698	9.4448	1.4545	0.1683	0.37024	-5.2518	84304
ARIH2OS	-0.16901	0.16901	0.54895	-1.4545	0.16831	0.37024	-5.2518	646450
PWP1	2.0391	2.0391	7.338	1.4537	0.16853	0.37062	-5.2528	11137
PLEKHG5	-2.8061	2.8061	8.6849	-1.4537	0.16853	0.37062	-5.2529	57449
ALG14	1.1273	1.1273	2.8589	1.4536	0.16855	0.37062	-5.2529	199857
METTL5	2.0523	2.0523	5.5158	1.4535	0.16858	0.37063	-5.2531	29081
UBE2C	2.3099	2.3099	3.411	1.4534	0.16862	0.37067	-5.2533	11065
CRNN	-0.19502	0.19502	0.2667	-1.4529	0.16874	0.37086	-5.2538	49860
RWDD2B	0.75839	0.75839	2.5769	1.4528	0.16876	0.37086	-5.2539	10069
NCK1-DT	-0.16409	0.16409	0.56579	-1.4528	0.16877	0.37086	-5.254	1.02E+08
ENTPD6	-1.0149	1.0149	2.7092	-1.4526	0.16882	0.37088	-5.2542	955
EPHX1	-3.0718	3.0718	10.231	-1.4525	0.16886	0.37088	-5.2544	2052
OCRL	-0.63683	0.63683	3.7847	-1.4525	0.16886	0.37088	-5.2544	4952

AIMP1	1.0506	1.0506	3.8762	1.4524	0.16886	0.37088	-5.2544	9255
DOCK6	2.8427	2.8427	10.312	1.4521	0.16895	0.37098	-5.2549	57572
C1orf122	4.5961	4.5961	9.9169	1.4521	0.16896	0.37098	-5.2549	127687
RAB27A	0.85219	0.85219	2.4334	1.4519	0.16902	0.37103	-5.2552	5873
TCF7L1	-1.341	1.341	3.4304	-1.4518	0.16904	0.37103	-5.2553	83439
LOC101927391	-0.14518	0.14518	0.20793	-1.4517	0.16906	0.37103	-5.2554	1.02E+08
NAV2	-0.72125	0.72125	2.822	-1.4516	0.16909	0.37103	-5.2555	89797
SLC9A6	0.5371	0.5371	2.4409	1.4516	0.16909	0.37103	-5.2555	10479
PARP2	-0.69952	0.69952	2.9096	-1.451	0.16926	0.37135	-5.2563	10038
NFE2L1	-7.1933	7.1933	26.729	-1.4509	0.16928	0.37135	-5.2564	4779
SEMA6D	-0.43373	0.43373	1.3239	-1.4508	0.16931	0.37138	-5.2566	80031
CEACAM6	10.853	10.853	8.8765	1.4506	0.16937	0.37145	-5.2568	4680
LCP2	1.2248	1.2248	2.3028	1.4501	0.16951	0.37166	-5.2575	3937
FAM86B3P	-0.13524	0.13524	0.36712	-1.4499	0.16956	0.37166	-5.2577	286042
RNF41	0.56159	0.56159	2.9899	1.4499	0.16956	0.37166	-5.2577	10193
SF1	-5.0157	5.0157	23.147	-1.4499	0.16956	0.37166	-5.2577	7536
PGM1	-1.414	1.414	5.5403	-1.4499	0.16957	0.37166	-5.2578	5236
LOC101927630	0.12134	0.12134	0.11363	1.4494	0.1697	0.37189	-5.2584	1.02E+08
C11orf58	2.5665	2.5665	11.396	1.4492	0.16976	0.37195	-5.2587	10944
KCNS1	0.48251	0.48251	0.52214	1.4491	0.16979	0.37195	-5.2588	3787
NR1D1	-7.7598	7.7598	12.679	-1.4491	0.16979	0.37195	-5.2588	9572
UPK3BL1	4.7516	4.7516	9.6495	1.4486	0.16992	0.37218	-5.2594	1E+08
ZNF705E	-0.09456	0.094558	0.089766	-1.448	0.17008	0.37247	-5.2602	1E+08
TRPM7	-0.81667	0.81667	4.1779	-1.4478	0.17015	0.37247	-5.2605	54822
NPC2	13.305	13.305	32.461	1.4477	0.17016	0.37247	-5.2605	10577
S100A6	106.26	106.26	193.63	1.4477	0.17017	0.37247	-5.2606	6277

RINT1	0.58391	0.58391	3.4144	1.4477	0.17017	0.37247	-5.2606	60561
AHI1	-0.7031	0.7031	2.1036	-1.4476	0.17019	0.37247	-5.2607	54806
TOP3A	-0.43571	0.43571	2.2962	-1.4475	0.17023	0.37253	-5.2609	7156
ATP1A2	-0.39219	0.39219	0.47519	-1.4462	0.17058	0.37324	-5.2625	477
LINC00639	-0.17426	0.17426	0.1872	-1.4461	0.17061	0.37326	-5.2627	283547
CHCHD6	-0.7615	0.7615	2.3975	-1.446	0.17063	0.37326	-5.2628	84303
SLC35A5	0.46958	0.46958	1.7892	1.4457	0.17073	0.37334	-5.2632	55032
YIF1A	4.7101	4.7101	14.032	1.4456	0.17074	0.37334	-5.2633	10897
CCDC102A	-0.54592	0.54592	1.272	-1.4456	0.17075	0.37334	-5.2633	92922
TSGA10	-0.14661	0.14661	0.32858	-1.4456	0.17076	0.37334	-5.2634	80705
WNT4	-1.9023	1.9023	3.7755	-1.4454	0.17079	0.37336	-5.2635	54361
ZBED1	-0.96588	0.96588	3.8772	-1.4449	0.17093	0.37361	-5.2641	9189
SLC37A4	-0.71529	0.71529	2.1049	-1.4447	0.17099	0.37369	-5.2644	2542
GSK3A	3.9084	3.9084	13.986	1.4445	0.17104	0.37372	-5.2647	2931
LOC101927178	-0.12706	0.12706	0.24651	-1.4445	0.17105	0.37372	-5.2647	1.02E+08
RFFL	0.64504	0.64504	3.9006	1.444	0.17119	0.374	-5.2654	117584
GMEB1	0.70622	0.70622	2.7608	1.4439	0.17122	0.374	-5.2655	10691
SDR39U1	-0.92416	0.92416	3.5318	-1.4429	0.17149	0.37454	-5.2667	56948
CCDC15	-0.19524	0.19524	0.63504	-1.4425	0.17161	0.3747	-5.2673	80071
AKR1C1	4.5813	4.5813	12.97	1.4424	0.17163	0.3747	-5.2674	1645
TAS2R20	-0.16665	0.16665	0.34441	-1.4424	0.17163	0.3747	-5.2674	259295
DBF4	0.24864	0.24864	0.78573	1.4423	0.17165	0.3747	-5.2675	10926
CENPL	0.3204	0.3204	0.84203	1.4422	0.1717	0.37473	-5.2677	91687
TCEAL8	3.668	3.668	8.767	1.4421	0.1717	0.37473	-5.2678	90843
GNG11	6.6768	6.6768	10.68	1.4411	0.17199	0.37525	-5.2691	2791
SNORA116	-0.19539	0.19539	0.23911	-1.4411	0.172	0.37525	-5.2692	1.1E+08

ADGRG2	-0.11035	0.11035	0.14832	-1.441	0.17201	0.37525	-5.2692	10149
KTN1-AS1	-0.18547	0.18547	0.52826	-1.4407	0.17209	0.37537	-5.2696	1E+08
LPGAT1	0.91193	0.91193	3.1221	1.4405	0.17216	0.37545	-5.2699	9926
RSRC2	1.2675	1.2675	6.2476	1.4405	0.17217	0.37545	-5.2699	65117
NTN1	2.7402	2.7402	3.8141	1.4402	0.17224	0.37555	-5.2702	9423
FKBP7	0.82717	0.82717	1.2538	1.44	0.1723	0.37556	-5.2705	51661
AASDH	-0.33715	0.33715	1.5234	-1.44	0.17231	0.37556	-5.2706	132949
REPS1	-0.83053	0.83053	5.2119	-1.44	0.17231	0.37556	-5.2706	85021
FNDC5	-0.11753	0.11753	0.17508	-1.4396	0.17242	0.37574	-5.2711	252995
SNHG3	2.9914	2.9914	6.5204	1.4393	0.17249	0.37586	-5.2714	8420
LOC101929512	-0.12154	0.12154	0.17171	-1.4392	0.17252	0.37586	-5.2715	1.02E+08
MNS1	-0.21909	0.21909	0.4388	-1.4391	0.17254	0.37586	-5.2716	55329
NCAPH	0.2735	0.2735	0.52409	1.4391	0.17256	0.37586	-5.2717	23397
CEP63	-0.2642	0.2642	1.341	-1.4389	0.1726	0.3759	-5.2719	80254
LINC01960	0.17717	0.17717	0.26663	1.4387	0.17265	0.37591	-5.2722	1E+08
GBP1	5.4579	5.4579	9.1151	1.4387	0.17266	0.37591	-5.2722	2633
MCM10	0.42898	0.42898	0.57683	1.4386	0.17269	0.37591	-5.2723	55388
PSTPIP2	-0.8424	0.8424	2.4108	-1.4386	0.17269	0.37591	-5.2723	9050
HPGD	9.2029	9.2029	8.4712	1.4384	0.17275	0.37594	-5.2726	3248
SEC13	4.0215	4.0215	13.685	1.4384	0.17275	0.37594	-5.2726	6396
ZNF630	-0.15326	0.15326	0.59787	-1.4382	0.1728	0.376	-5.2728	57232
NCOA6	-0.52335	0.52335	4.5712	-1.4376	0.17297	0.37628	-5.2736	23054
PRSS48	-0.38111	0.38111	0.88705	-1.4374	0.17303	0.37628	-5.2739	345062
PLAA	0.65141	0.65141	3.5289	1.4373	0.17304	0.37628	-5.274	9373
COLGALT1	4.3821	4.3821	13.176	1.4373	0.17306	0.37628	-5.274	79709
SNORA63B	-0.48361	0.48361	0.95135	-1.4372	0.17308	0.37628	-5.2741	1.1E+08

SLC8A2	0.10777	0.10777	0.13631	1.4372	0.17309	0.37628	-5.2742	6543
PIK3R2	-3.9543	3.9543	11.193	-1.4371	0.17309	0.37628	-5.2742	5296
FBXO27	3.2681	3.2681	8.4246	1.4371	0.17311	0.37628	-5.2743	126433
CCDC106	-0.6542	0.6542	1.5165	-1.4366	0.17324	0.37649	-5.2749	29903
SRP14	10.055	10.055	25.54	1.4366	0.17325	0.37649	-5.2749	6727
ATP5IF1	2.8689	2.8689	9.9061	1.4365	0.17328	0.37652	-5.2751	93974
STX6	1.4567	1.4567	6.5479	1.436	0.17342	0.37678	-5.2757	10228
MORC4	-0.83154	0.83154	4.1331	-1.4358	0.17347	0.3768	-5.2759	79710
CALML3	467.08	467.08	527.14	1.4358	0.17348	0.3768	-5.276	810
HADHA	6.1545	6.1545	28.891	1.4356	0.17352	0.37684	-5.2762	3030
CHTF18	-0.73938	0.73938	1.6974	-1.4355	0.17355	0.37685	-5.2763	63922
RTKL1	-0.8279	0.8279	1.8907	-1.4352	0.17364	0.377	-5.2767	51750
STT3A	2.3955	2.3955	8.3522	1.435	0.1737	0.37707	-5.277	3703
FMO5	-0.7225	0.7225	1.3128	-1.4348	0.17374	0.37713	-5.2772	2330
OSBPL3	0.45218	0.45218	3.4735	1.4346	0.17381	0.37722	-5.2775	26031
TMX1	1.361	1.361	4.7371	1.4343	0.17388	0.37733	-5.2778	81542
OSBPL8	1.8865	1.8865	8.0435	1.434	0.17397	0.37748	-5.2782	114882
ADGRB1	-0.33179	0.33179	0.6097	-1.4336	0.17409	0.37768	-5.2788	575
HSD11B1	-1.0389	1.0389	1.7001	-1.4334	0.17413	0.37772	-5.2789	3290
SLIT3	-5.2666	5.2666	8.9666	-1.4329	0.17427	0.37795	-5.2796	6586
SNORA26	-0.4214	0.4214	0.73946	-1.4329	0.17428	0.37795	-5.2796	677810
TSPAN32	-0.11384	0.11384	0.13935	-1.4328	0.1743	0.37796	-5.2797	10077
KDM5D	-1.2886	1.2886	4.485	-1.4327	0.17435	0.378	-5.2799	8284
ETV1	0.31666	0.31666	0.53421	1.4322	0.17449	0.37822	-5.2806	2115
CACNA1H	-0.96877	0.96877	1.1282	-1.432	0.17453	0.37822	-5.2808	8912
ZNF295-AS1	0.12193	0.12193	0.25536	1.432	0.17454	0.37822	-5.2808	150142

INO80B	-1.6458	1.6458	5.5993	-1.432	0.17454	0.37822	-5.2808	83444
C18orf32	1.2736	1.2736	3.6647	1.4319	0.17456	0.37822	-5.2809	497661
NOTCH2NLB	-3.0035	3.0035	12.025	-1.4313	0.17474	0.37856	-5.2817	1.01E+08
SAP30L-AS1	-0.2846	0.2846	0.7076	-1.431	0.1748	0.37865	-5.282	386627
TFDP1	4.4168	4.4168	14.791	1.4309	0.17485	0.37867	-5.2822	7027
ACAP2	1.3785	1.3785	6.545	1.4308	0.17486	0.37867	-5.2823	23527
DUXAP9	0.33565	0.33565	0.58244	1.4307	0.17491	0.3787	-5.2825	503638
CXorf38	-0.34136	0.34136	1.6213	-1.4306	0.17492	0.3787	-5.2825	159013
SRRT	-2.9603	2.9603	11.094	-1.4304	0.17498	0.3788	-5.2828	51593
KDM8	-0.21237	0.21237	0.58274	-1.4299	0.17513	0.37907	-5.2835	79831
EVL	-6.1206	6.1206	10.139	-1.4297	0.17519	0.37912	-5.2838	51466
GTDC1	0.29592	0.29592	1.2537	1.4296	0.1752	0.37912	-5.2838	79712
NXT1	1.2359	1.2359	4.6568	1.4295	0.17524	0.37915	-5.284	29107
OVOL1-AS1	0.85958	0.85958	1.3271	1.4292	0.17532	0.37929	-5.2844	1.02E+08
SLC25A6	-12.635	12.635	49.654	-1.4286	0.17548	0.37958	-5.2851	293
MTX2	1.7493	1.7493	5.4728	1.4284	0.17556	0.3797	-5.2855	10651
SUPT4H1	3.4377	3.4377	10.68	1.4281	0.17563	0.3798	-5.2858	6827
SLAMF6	-0.11696	0.11696	0.22724	-1.4279	0.1757	0.37991	-5.2861	114836
LOC100507071	-0.25032	0.25032	0.55422	-1.4275	0.17581	0.3801	-5.2866	1.01E+08
C10orf143	-0.12749	0.12749	0.35003	-1.4274	0.17584	0.3801	-5.2867	387723
ZNF267	0.72523	0.72523	2.1588	1.4273	0.17585	0.3801	-5.2868	10308
MYO15B	-1.2883	1.2883	2.2189	-1.4271	0.17591	0.38018	-5.2871	80022
NOXA1	-1.0803	1.0803	1.9757	-1.4266	0.17605	0.38042	-5.2877	10811
MMS22L	-0.20074	0.20074	0.7593	-1.4263	0.17614	0.38055	-5.2881	253714
SMOC2	-3.1056	3.1056	4.8971	-1.4262	0.17618	0.38055	-5.2883	64094
BRF2	-0.53909	0.53909	1.994	-1.4262	0.17618	0.38055	-5.2883	55290

MIS12	0.47053	0.47053	1.9279	1.4261	0.1762	0.38055	-5.2884	79003
AGK	-0.46751	0.46751	2.6176	-1.426	0.17623	0.38055	-5.2885	55750
SPATA2	-0.27947	0.27947	1.7094	-1.4259	0.17624	0.38055	-5.2886	9825
TPCN1	-1.167	1.167	4.7951	-1.4258	0.17627	0.38056	-5.2887	53373
CEP135	0.23869	0.23869	0.85923	1.4257	0.17631	0.3806	-5.2889	9662
DCAF15	-1.1805	1.1805	6.9751	-1.4255	0.17635	0.38064	-5.2891	90379
GPR135	-0.26063	0.26063	0.56605	-1.4254	0.17639	0.38066	-5.2892	64582
OAZ1	49.338	49.338	130.63	1.4253	0.17643	0.38071	-5.2894	4946
LINC01554	-0.47185	0.47185	0.85036	-1.4248	0.17655	0.38093	-5.29	202299
ANP32B	-5.5378	5.5378	23.44	-1.4245	0.17664	0.38105	-5.2904	10541
ATP13A4	-1.3632	1.3632	2.4539	-1.4245	0.17666	0.38105	-5.2904	84239
TMEM230	1.9525	1.9525	5.8362	1.4243	0.1767	0.38109	-5.2906	29058
ZKSCAN4	-0.15944	0.15944	0.67375	-1.4242	0.17674	0.38113	-5.2908	387032
ZFP30	-0.21097	0.21097	0.88411	-1.424	0.17678	0.38117	-5.291	22835
LINC00216	-0.44836	0.44836	0.91156	-1.4239	0.17681	0.38117	-5.2911	55451
PLAGL1	-1.0494	1.0494	4.0931	-1.4239	0.17683	0.38117	-5.2912	5325
GAS5	-12.655	12.655	32.771	-1.4238	0.17686	0.38119	-5.2913	60674
PPM1M	-0.75558	0.75558	2.6598	-1.4235	0.17693	0.38131	-5.2917	132160
CD86	0.70553	0.70553	1.0696	1.4233	0.17699	0.38137	-5.2919	942
UBXN7-AS1	-0.11933	0.11933	0.17035	-1.4232	0.17701	0.38137	-5.292	1.01E+08
ARID4A	-0.59103	0.59103	2.4505	-1.4231	0.17705	0.38142	-5.2922	5926
NDUFB8	8.2767	8.2767	26.969	1.4229	0.17711	0.38148	-5.2925	4714
CEND1	-0.24048	0.24048	0.42805	-1.4228	0.17712	0.38148	-5.2925	51286
LOC440300	-1.4247	1.4247	3.238	-1.4225	0.17723	0.38165	-5.293	440300
COL3A1	432.19	432.19	522.22	1.4223	0.17727	0.38169	-5.2932	1281
MNDA	2.2188	2.2188	2.8212	1.4218	0.17742	0.38192	-5.2939	4332

DEPDC1B	0.35813	0.35813	0.63606	1.4217	0.17744	0.38192	-5.2939	55789
LYAR	1.1893	1.1893	2.5994	1.4217	0.17745	0.38192	-5.294	55646
APLNR	4.3031	4.3031	6.4147	1.4215	0.17749	0.38198	-5.2942	187
TREM2	0.87668	0.87668	0.76826	1.4214	0.17753	0.38201	-5.2944	54209
LY6K	0.52261	0.52261	0.8002	1.421	0.17764	0.38219	-5.2948	54742
SLC4A1AP	0.89509	0.89509	4.5043	1.4209	0.17767	0.38222	-5.295	22950
CCL3L3	0.26015	0.26015	0.19692	1.4206	0.17777	0.38239	-5.2954	414062
GID4	1.2764	1.2764	4.0993	1.4204	0.17782	0.38243	-5.2956	79018
MIAT	-0.28855	0.28855	0.62256	-1.4203	0.17786	0.38246	-5.2958	440823
LINC01088	-0.2263	0.2263	0.20161	-1.42	0.17792	0.38256	-5.2961	1.01E+08
PTPMT1	1.2626	1.2626	4.1012	1.4198	0.178	0.38262	-5.2965	114971
SLC26A2	-1.0113	1.0113	2.6313	-1.4196	0.17803	0.38262	-5.2966	1836
FAM83H-AS1	-1.3289	1.3289	5.1887	-1.4196	0.17804	0.38262	-5.2966	1E+08
ARFGEF1	1.2072	1.2072	8.1013	1.4196	0.17804	0.38262	-5.2966	10565
SETD2	-1.0031	1.0031	7.2835	-1.4193	0.17813	0.38274	-5.297	29072
PTPN13	-3.1606	3.1606	13.5	-1.4193	0.17814	0.38274	-5.2971	5783
HADH	-0.90154	0.90154	4.0607	-1.4189	0.17826	0.38294	-5.2976	3033
THOC7	2.5079	2.5079	8.8077	1.4187	0.17831	0.38301	-5.2978	80145
MAGED1	6.6519	6.6519	15.23	1.4186	0.17834	0.38302	-5.298	9500
HPR	-0.10398	0.10398	0.13951	-1.4183	0.17841	0.38307	-5.2983	3250
TBC1D20	1.5059	1.5059	8.1471	1.4183	0.17842	0.38307	-5.2983	128637
RAC2	2.641	2.641	4.7047	1.4183	0.17843	0.38307	-5.2984	5880
MREG	3.496	3.496	6.9408	1.4181	0.17849	0.38313	-5.2986	55686
STAT6	-5.3661	5.3661	22.777	-1.418	0.1785	0.38313	-5.2987	6778
PRRG1	0.32523	0.32523	0.88104	1.4176	0.17861	0.38321	-5.2992	5638
F12	0.89726	0.89726	2.2393	1.4176	0.17862	0.38321	-5.2992	2161

PLBD1	29.208	29.208	32.661	1.4175	0.17865	0.38321	-5.2994	79887
AP5M1	0.77438	0.77438	3.9316	1.4175	0.17866	0.38321	-5.2994	55745
FAM83D	0.83188	0.83188	1.6851	1.4174	0.17867	0.38321	-5.2994	81610
BRWD3	-0.40773	0.40773	2.3817	-1.4174	0.17868	0.38321	-5.2995	254065
VANGL1	0.7257	0.7257	2.8822	1.4168	0.17884	0.38345	-5.3002	81839
TRPT1	2.4694	2.4694	6.5	1.4168	0.17885	0.38345	-5.3002	83707
GPN1	1.5405	1.5405	5.5335	1.4167	0.17887	0.38345	-5.3003	11321
UPF3A	-0.83567	0.83567	3.965	-1.4166	0.17889	0.38345	-5.3004	65110
EDF1	13.326	13.326	44.255	1.4166	0.1789	0.38345	-5.3005	8721
VPS52	-0.19772	0.19772	1.1055	-1.4163	0.17898	0.38348	-5.3008	6293
GPCPD1	1.0418	1.0418	5.7258	1.4163	0.17898	0.38348	-5.3008	56261
TAS2R41	-0.10112	0.10112	0.11836	-1.4163	0.17899	0.38348	-5.3008	259287
FBXL13	-0.10839	0.10839	0.24878	-1.4162	0.17901	0.38348	-5.3009	222235
OSBPL11	0.54433	0.54433	3.283	1.4158	0.17913	0.38361	-5.3015	114885
USP47	1.1338	1.1338	5.6127	1.4158	0.17913	0.38361	-5.3015	55031
TSC22D1	2.0196	2.0196	6.3544	1.4158	0.17914	0.38361	-5.3015	8848
FAM133DP	0.50291	0.50291	1.867	1.4153	0.17928	0.38386	-5.3021	728066
CD72	-0.37697	0.37697	0.45256	-1.4151	0.17934	0.38394	-5.3024	971
SNORA50B	-0.28157	0.28157	0.42092	-1.4148	0.17942	0.38407	-5.3028	1.1E+08
SS18	1.8405	1.8405	9.5835	1.4144	0.17954	0.38421	-5.3033	6760
ZC3HAV1L	-0.6015	0.6015	2.5332	-1.4144	0.17955	0.38421	-5.3033	92092
CDKN2D	1.0667	1.0667	3.1534	1.4142	0.1796	0.38421	-5.3035	1032
SLC2A1-AS1	-0.30537	0.30537	0.87106	-1.4142	0.17961	0.38421	-5.3036	440584
HBP1	4.0805	4.0805	13.625	1.4141	0.17962	0.38421	-5.3036	26959
ABTB2	-0.43966	0.43966	1.5647	-1.4141	0.17962	0.38421	-5.3036	25841
SLC30A7	0.76772	0.76772	2.9545	1.4139	0.17968	0.38421	-5.3039	148867

PRDX4	8.476	8.476	16.626	1.4139	0.17969	0.38421	-5.3039	10549
ADCY3	-3.3994	3.3994	7.8774	-1.4138	0.17972	0.38421	-5.3041	109
RNF25	1.1496	1.1496	4.0013	1.4137	0.17975	0.38421	-5.3042	64320
UBE2H	2.9385	2.9385	11.717	1.4135	0.1798	0.38421	-5.3044	7328
MMP9	8.3424	8.3424	7.4342	1.4135	0.17981	0.38421	-5.3045	4318
SLIRP	6.3904	6.3904	13.639	1.4134	0.17982	0.38421	-5.3045	81892
ZNF211	-0.24026	0.24026	1.2628	-1.4134	0.17982	0.38421	-5.3045	10520
ACAP3	-4.2444	4.2444	9.999	-1.4134	0.17983	0.38421	-5.3045	116983
CD93	7.0133	7.0133	14.065	1.4131	0.17991	0.38431	-5.3049	22918
LINC00539	-0.12933	0.12933	0.20397	-1.413	0.17994	0.38431	-5.305	1.01E+08
CDK12	-0.97379	0.97379	6.6442	-1.413	0.17994	0.38431	-5.3051	51755
CDRT4	-0.32778	0.32778	0.28854	-1.4129	0.17998	0.38433	-5.3052	284040
NSUN3	-0.22363	0.22363	0.84272	-1.4128	0.18	0.38433	-5.3053	63899
C22orf46	-0.65006	0.65006	1.2319	-1.4127	0.18003	0.38435	-5.3054	79640
BMT2	0.48997	0.48997	1.5376	1.4126	0.18007	0.38437	-5.3056	154743
SHLD2P3	-0.15474	0.15474	0.22103	-1.4125	0.18008	0.38437	-5.3057	439965
CRABP2	49.271	49.271	96.74	1.4122	0.18017	0.3845	-5.3061	1382
SLC39A10	0.4668	0.4668	1.885	1.4121	0.18019	0.3845	-5.3062	57181
LINC01424	-0.11765	0.11765	0.14919	-1.412	0.18022	0.38452	-5.3063	1.02E+08
SLC44A3	-0.20181	0.20181	1.0627	-1.4115	0.18036	0.38477	-5.3069	126969
COX6C	14.994	14.994	29.127	1.4111	0.18049	0.38497	-5.3075	1345
PLS1	-0.12705	0.12705	0.29422	-1.411	0.1805	0.38497	-5.3075	5357
SLC4A8	0.09545	0.09545	0.17665	1.4108	0.18056	0.38505	-5.3078	9498
SLC28A2	-0.09808	0.098076	0.16024	-1.4106	0.18064	0.38514	-5.3081	9153
SNAPC3	0.56389	0.56389	3.4112	1.4105	0.18065	0.38514	-5.3082	6619
IFI27L2	8.6364	8.6364	14.104	1.4104	0.18068	0.38516	-5.3083	83982

FKBP15	1.0842	1.0842	6.9473	1.41	0.1808	0.38537	-5.3088	23307
PKM	74.37	74.37	165.92	1.4098	0.18086	0.38544	-5.3091	5315
LITAF	5.6567	5.6567	16.858	1.4095	0.18095	0.38554	-5.3095	9516
UBA2	3.1509	3.1509	13.019	1.4095	0.18096	0.38554	-5.3095	10054
BTBD9-AS1	-0.20978	0.20978	0.51929	-1.4094	0.18097	0.38554	-5.3096	1.02E+08
GTSE1-DT	-0.09212	0.092118	0.13808	-1.4091	0.18107	0.38568	-5.31	150384
LRRC15	5.4209	5.4209	5.7359	1.4088	0.18114	0.38576	-5.3103	131578
ARHGAP5-AS1	0.43746	0.43746	1.466	1.4088	0.18115	0.38576	-5.3103	84837
EPHA1-AS1	-0.11637	0.11637	0.27033	-1.4085	0.18123	0.38589	-5.3107	285965
NSD3	-0.51231	0.51231	5.4048	-1.4084	0.18128	0.38595	-5.3109	54904
YTHDC2	-0.65298	0.65298	4.5767	-1.4078	0.18146	0.38627	-5.3117	64848
EIF4A2	-5.1848	5.1848	27.275	-1.4074	0.18155	0.38635	-5.3121	1974
CCNA1	0.27533	0.27533	0.19173	1.4072	0.18161	0.38635	-5.3124	8900
GLS	1.1392	1.1392	5.6205	1.4072	0.18163	0.38635	-5.3124	2744
GDE1	4.2276	4.2276	11.119	1.4072	0.18163	0.38635	-5.3124	51573
EIF4B	-9.5469	9.5469	60.986	-1.4071	0.18163	0.38635	-5.3125	1975
SRPK2	1.2566	1.2566	7.2532	1.4071	0.18164	0.38635	-5.3125	6733
ADGRF4	1.9201	1.9201	6.4459	1.4071	0.18165	0.38635	-5.3125	221393
ISX-AS1	-0.15494	0.15494	0.16404	-1.407	0.18168	0.38636	-5.3127	1.02E+08
TUBBP5	-0.32546	0.32546	0.57147	-1.4067	0.18177	0.3865	-5.3131	643224
GMPPB	1.3582	1.3582	4.8808	1.4064	0.18184	0.38658	-5.3134	29925
ZNF225	-0.13324	0.13324	0.51583	-1.4064	0.18185	0.38658	-5.3134	7768
PARP8	-0.39176	0.39176	1.3677	-1.4062	0.18191	0.38665	-5.3137	79668
PXYLP1	-0.31132	0.31132	0.99944	-1.406	0.18196	0.38671	-5.3139	92370
TTC14	-0.67935	0.67935	2.4672	-1.4058	0.18202	0.38678	-5.3141	151613
IZUMO1	0.17138	0.17138	0.2148	1.4056	0.18208	0.38688	-5.3144	284359

ESR1	-0.10269	0.10269	0.21986	-1.4054	0.18213	0.38689	-5.3146	2099
CA4	-0.12492	0.12492	0.15656	-1.4054	0.18214	0.38689	-5.3147	762
LOC100303749	-0.29639	0.29639	0.62078	-1.4052	0.1822	0.38698	-5.3149	1E+08
CACYBP	1.25	1.25	4.2553	1.405	0.18226	0.38706	-5.3152	27101
CYB5R3	-6.8045	6.8045	37.165	-1.4046	0.18238	0.38718	-5.3157	1727
PRICKLE3	0.69852	0.69852	3.4788	1.4046	0.18239	0.38718	-5.3158	4007
PNO1	0.65355	0.65355	2.4752	1.4045	0.18239	0.38718	-5.3158	56902
EIF2S3	6.0668	6.0668	24.483	1.4044	0.18243	0.38718	-5.3159	1968
ABHD14A	-0.42871	0.42871	1.5024	-1.4044	0.18243	0.38718	-5.3159	25864
UNC93B1	-1.8874	1.8874	5.1387	-1.4042	0.1825	0.38728	-5.3162	81622
FNDC3B	3.1194	3.1194	7.8885	1.4039	0.18257	0.38737	-5.3165	64778
TOM1	5.9605	5.9605	18.206	1.4038	0.1826	0.3874	-5.3167	10043
IER3IP1	2.5191	2.5191	7.4316	1.4037	0.18264	0.38742	-5.3168	51124
BORCS8	0.43527	0.43527	2.0135	1.4036	0.18268	0.38745	-5.317	729991
PRKACB	0.62693	0.62693	1.6052	1.4035	0.1827	0.38745	-5.3171	5567
IAH1	2.4962	2.4962	6.0012	1.403	0.18285	0.38767	-5.3177	285148
SETD5	-0.97773	0.97773	10.995	-1.4029	0.18286	0.38767	-5.3178	55209
MCM3AP	-1.4225	1.4225	7.9797	-1.4029	0.18288	0.38767	-5.3179	8888
TDRD6	-0.10632	0.10632	0.1939	-1.4027	0.18293	0.38767	-5.3181	221400
RPRD1A	0.89293	0.89293	4.1234	1.4025	0.18298	0.38767	-5.3183	55197
BEAN1	0.28194	0.28194	0.72906	1.4025	0.183	0.38767	-5.3184	146227
BIRC2	1.0023	1.0023	4.81	1.4024	0.18303	0.38767	-5.3185	329
PHOSPHO1	0.26974	0.26974	0.51893	1.4023	0.18304	0.38767	-5.3186	162466
KLHL22	-0.4624	0.4624	2.2376	-1.4023	0.18304	0.38767	-5.3186	84861
SCN3A	-0.09872	0.09872	0.16056	-1.4023	0.18305	0.38767	-5.3186	6328
ZNF440	-1.3907	1.3907	4.0289	-1.4022	0.18307	0.38767	-5.3187	126070

RBM25	-1.717	1.717	8.4581	-1.4022	0.18308	0.38767	-5.3187	58517
SUGT1P1	-0.14161	0.14161	0.48012	-1.402	0.18313	0.38768	-5.3189	441394
CTNNB1	14.105	14.105	48.003	1.402	0.18313	0.38768	-5.319	1499
UQCRFS1	6.1898	6.1898	21.781	1.4018	0.18319	0.38775	-5.3192	7386
LOC100128253	-0.0994	0.099402	0.095777	-1.4018	0.18321	0.38775	-5.3193	1E+08
TC2N	-1.3327	1.3327	4.1078	-1.4013	0.18334	0.38798	-5.3199	123036
CXorf21	0.21428	0.21428	0.36744	1.4011	0.1834	0.38807	-5.3201	80231
TOP3B	-0.40453	0.40453	2.1023	-1.401	0.18343	0.38809	-5.3203	8940
CTSL	21.29	21.29	31.081	1.4008	0.18348	0.38813	-5.3205	1514
NPIPA5	-0.77287	0.77287	1.6665	-1.4007	0.18352	0.38813	-5.3206	1E+08
NEK11	-0.14153	0.14153	0.65174	-1.4007	0.18352	0.38813	-5.3207	79858
LINC00888	0.25579	0.25579	0.40813	1.4004	0.1836	0.38823	-5.321	1.01E+08
SMIM14	4.1123	4.1123	9.1175	1.4003	0.18364	0.38826	-5.3212	201895
WHAMMP3	-0.21036	0.21036	0.69738	-1.4002	0.18366	0.38826	-5.3212	339005
TCTEX1D2	0.9276	0.9276	2.5169	1.4001	0.18368	0.38827	-5.3213	255758
MAEA	3.2989	3.2989	11.702	1.4	0.18372	0.38828	-5.3215	10296
STAC3	-0.23385	0.23385	0.48073	-1.4	0.18373	0.38828	-5.3216	246329
TMBIM4	2.4758	2.4758	7.1237	1.3999	0.18376	0.38828	-5.3217	51643
MEAF6	0.59557	0.59557	3.5599	1.3995	0.18385	0.38844	-5.3221	64769
DUOX2	0.4729	0.4729	1.2509	1.3993	0.18392	0.38848	-5.3224	50506
CD6	-0.26631	0.26631	0.52136	-1.3993	0.18394	0.38848	-5.3224	923
USP11	-1.7837	1.7837	4.505	-1.3992	0.18394	0.38848	-5.3225	8237
PRPS1	0.98778	0.98778	4.6843	1.3989	0.18404	0.38856	-5.3229	5631
SLX1A-SULT1A3	-0.26791	0.26791	0.47829	-1.3988	0.18406	0.38856	-5.323	1.01E+08
SLX1B-SULT1A4	-0.26791	0.26791	0.47829	-1.3988	0.18406	0.38856	-5.323	1.01E+08
DICER1	1.4153	1.4153	8.0761	1.3988	0.18407	0.38856	-5.323	23405

NAPA	13.113	13.113	37.584	1.3987	0.18411	0.38859	-5.3232	8775
COA3	4.8665	4.8665	13.678	1.3985	0.18417	0.3886	-5.3234	28958
WDR62	0.39627	0.39627	1.259	1.3984	0.18419	0.3886	-5.3235	284403
TMEM14A	1.6209	1.6209	3.2717	1.3984	0.1842	0.3886	-5.3236	28978
TMED6	-0.10626	0.10626	0.26316	-1.3983	0.18421	0.3886	-5.3236	146456
TRIM9	-0.1442	0.1442	0.27596	-1.3982	0.18426	0.38866	-5.3238	114088
PNMT	-0.10078	0.10078	0.10226	-1.3981	0.18429	0.38868	-5.324	5409
ZNF232	-0.19869	0.19869	0.79872	-1.3979	0.18433	0.38868	-5.3241	7775
ANO10	1.3421	1.3421	5.9166	1.3979	0.18434	0.38868	-5.3242	55129
KIF1C	9.4885	9.4885	21.816	1.3976	0.18444	0.38885	-5.3246	10749
CCDC186	0.87268	0.87268	3.0452	1.3957	0.18499	0.38992	-5.3269	55088
ZNF644	0.93725	0.93725	4.376	1.3956	0.18502	0.38992	-5.3271	84146
CXCL1	8.1416	8.1416	7.7986	1.3956	0.18503	0.38992	-5.3271	2919
ZNF35	0.29308	0.29308	2.1685	1.3955	0.18504	0.38992	-5.3272	7584
MKNK2	14.111	14.111	40.64	1.3954	0.18506	0.38992	-5.3273	2872
RECQL5	-0.95011	0.95011	2.594	-1.3953	0.1851	0.38994	-5.3274	9400
PMM2	2.2908	2.2908	8.5094	1.3953	0.18512	0.38994	-5.3275	5373
ELMO2	-0.56505	0.56505	4.1798	-1.3951	0.18515	0.38996	-5.3276	63916
PTCH2	-0.17397	0.17397	0.29667	-1.395	0.1852	0.39001	-5.3279	8643
HAMP	-0.09765	0.097654	0.087731	-1.3949	0.18523	0.39001	-5.328	57817
JMY	3.9719	3.9719	6.4616	1.3947	0.18528	0.39001	-5.3282	133746
LIN7A	0.15177	0.15177	0.23575	1.3947	0.18529	0.39001	-5.3282	8825
FUCA2	3.2284	3.2284	6.8862	1.3947	0.18529	0.39001	-5.3282	2519
SIGLEC6	-0.15205	0.15205	0.40477	-1.3944	0.18536	0.39002	-5.3285	946
ZNF207	5.4544	5.4544	29.171	1.3944	0.18536	0.39002	-5.3285	7756
NUP37	1.4375	1.4375	3.7913	1.3944	0.18537	0.39002	-5.3285	79023

HAUS1	1.5804	1.5804	3.1685	1.3943	0.18539	0.39003	-5.3287	115106
SCG5	0.64666	0.64666	0.68919	1.3941	0.18546	0.39008	-5.3289	6447
MB21D2	0.38013	0.38013	1.3733	1.3941	0.18546	0.39008	-5.329	151963
PHRF1	-2.522	2.522	8.7088	-1.3936	0.1856	0.39032	-5.3295	57661
U2AF1L4	-0.58616	0.58616	1.6539	-1.3934	0.18566	0.39039	-5.3298	199746
FUNDC2	1.5934	1.5934	4.4731	1.3933	0.18568	0.39039	-5.3299	65991
ANKRD9	0.85058	0.85058	3.444	1.3933	0.18571	0.3904	-5.33	122416
ING4	-1.2664	1.2664	5.5862	-1.3931	0.18576	0.39045	-5.3302	51147
RAD51AP1	0.31676	0.31676	0.5945	1.3922	0.18601	0.39095	-5.3313	10635
NIPSNAP3A	1.9136	1.9136	5.1253	1.3919	0.18611	0.39111	-5.3317	25934
LINC01139	-0.38082	0.38082	0.73068	-1.3916	0.18621	0.39127	-5.3321	339535
ZNHIT6	-0.33101	0.33101	1.5518	-1.3914	0.18624	0.39128	-5.3323	54680
FRMD5	-0.10433	0.10433	0.17044	-1.3913	0.18628	0.39131	-5.3324	84978
SIX5	-1.3055	1.3055	2.9055	-1.391	0.18638	0.39143	-5.3329	147912
ERVMER34-1	0.41732	0.41732	0.80534	1.391	0.18638	0.39143	-5.3329	1E+08
CNGA1	-0.15833	0.15833	0.42134	-1.3909	0.18641	0.39143	-5.333	1259
TMEM125	1.8097	1.8097	2.6399	1.3907	0.18648	0.39153	-5.3333	128218
KLF5	-8.6293	8.6293	36.268	-1.3905	0.18652	0.39157	-5.3334	688
PROSER2	0.37168	0.37168	1.2832	1.3904	0.18655	0.39158	-5.3336	254427
ETHE1	5.5067	5.5067	12.125	1.3903	0.18659	0.39162	-5.3337	23474
CDR2	0.70083	0.70083	2.3592	1.3897	0.18677	0.39176	-5.3345	1039
PCGF5	-0.5323	0.5323	2.2024	-1.3897	0.18677	0.39176	-5.3345	84333
MAPKBP1	-1.7153	1.7153	7.4266	-1.3897	0.18677	0.39176	-5.3345	23005
ERI2	0.30409	0.30409	1.0952	1.3896	0.18678	0.39176	-5.3345	112479
FNTA	3.1475	3.1475	12.536	1.3896	0.18679	0.39176	-5.3346	2339
PTPRC	1.5819	1.5819	2.9914	1.3896	0.1868	0.39176	-5.3346	5788

VAPA	2.3148	2.3148	8.85	1.3894	0.18684	0.3918	-5.3348	9218
GPAM	-0.23727	0.23727	0.9996	-1.3893	0.18689	0.39185	-5.335	57678
LOC100129034	-1.2129	1.2129	3.8387	-1.3892	0.18691	0.39185	-5.3351	1E+08
ENO1	69.168	69.168	153.51	1.389	0.18696	0.39191	-5.3353	2023
CD300E	1.285	1.285	1.6509	1.3888	0.18703	0.39197	-5.3356	342510
MT1M	-2.5397	2.5397	2.4258	-1.3888	0.18703	0.39197	-5.3356	4499
BRPF1	-0.67621	0.67621	3.3775	-1.3887	0.18706	0.39197	-5.3357	7862
IL1RL1	2.9574	2.9574	2.6898	1.3886	0.1871	0.392	-5.3359	9173
LINC00678	-0.13542	0.13542	0.18732	-1.3884	0.18715	0.39206	-5.3361	1.01E+08
CDH6	0.24015	0.24015	0.48418	1.3878	0.18733	0.39239	-5.3369	1004
CD1C	-0.17522	0.17522	0.35543	-1.3874	0.18744	0.39257	-5.3373	911
GPR161	0.39505	0.39505	1.2683	1.3872	0.1875	0.3926	-5.3376	23432
C2orf49	-0.38848	0.38848	2.2725	-1.3872	0.1875	0.3926	-5.3376	79074
VPS54	0.73461	0.73461	3.8976	1.387	0.18757	0.39269	-5.3379	51542
LDLRAD4	-0.35335	0.35335	1.1442	-1.3861	0.18782	0.39318	-5.3389	753
ZNF658B	-0.1031	0.1031	0.36516	-1.3855	0.188	0.39346	-5.3397	401509
ZNF205	-0.68864	0.68864	2.2696	-1.3855	0.188	0.39346	-5.3397	7755
LRRC69	-0.09559	0.095589	0.12808	-1.385	0.18816	0.39375	-5.3404	1E+08
ROMO1	13.676	13.676	30.713	1.3848	0.18822	0.39381	-5.3406	140823
AP1M2	2.5516	2.5516	8.1393	1.3846	0.18828	0.3939	-5.3409	10053
MT4	-0.8558	0.8558	0.65144	-1.3845	0.18833	0.39394	-5.341	84560
PGM5-AS1	-0.10506	0.10506	0.13567	-1.3842	0.1884	0.39405	-5.3414	572558
SLED1	-0.31119	0.31119	0.87017	-1.3837	0.18856	0.39433	-5.342	643036
RAB27B	2.1376	2.1376	4.6914	1.3835	0.18862	0.39439	-5.3423	5874
PYGO2	-1.5929	1.5929	6.8647	-1.3834	0.18863	0.39439	-5.3423	90780
ZNF90	-0.11686	0.11686	0.20775	-1.3832	0.1887	0.39444	-5.3426	7643

WNT3	-1.5952	1.5952	3.5622	-1.3832	0.1887	0.39444	-5.3426	7473
FZD5	1.1023	1.1023	1.8825	1.3831	0.18874	0.39445	-5.3428	7855
CD3E	-0.45872	0.45872	1.3708	-1.3829	0.18879	0.39445	-5.343	916
SUCNR1	-0.20332	0.20332	0.28377	-1.3829	0.18879	0.39445	-5.343	56670
DOCK9-DT	-0.65865	0.65865	1.8306	-1.3829	0.1888	0.39445	-5.343	1.01E+08
HSD3B7	2.8268	2.8268	7.8401	1.3826	0.18887	0.39454	-5.3433	80270
STIL	0.37599	0.37599	0.8727	1.3824	0.18893	0.39459	-5.3436	6491
LINC01305	-0.0924	0.092398	0.1148	-1.3824	0.18894	0.39459	-5.3436	285084
MIB1	0.86095	0.86095	4.7512	1.3823	0.18897	0.3946	-5.3437	57534
PLXNC1	1.4311	1.4311	3.0079	1.3821	0.18903	0.39469	-5.344	10154
RPA3	0.68971	0.68971	1.5252	1.3819	0.18909	0.39476	-5.3442	6119
NDUFA8	2.3481	2.3481	6.3826	1.3816	0.18919	0.39492	-5.3446	4702
TTC27	-0.70261	0.70261	3.1563	-1.3815	0.18921	0.39492	-5.3447	55622
ZNF565	-0.18108	0.18108	0.87696	-1.3814	0.18925	0.39495	-5.3449	147929
ARID2	-0.7638	0.7638	4.1977	-1.3808	0.18941	0.39524	-5.3456	196528
SCAP	-3.0269	3.0269	12.012	-1.3805	0.18952	0.39541	-5.346	22937
TBC1D22B	0.60251	0.60251	3.5156	1.3803	0.18957	0.39547	-5.3462	55633
GOLGA6L4	-0.18429	0.18429	0.55277	-1.3802	0.18961	0.39549	-5.3464	643707
PLCXD1	3.1317	3.1317	5.2019	1.3801	0.18964	0.39551	-5.3465	55344
PRAP1	-0.1327	0.1327	0.16183	-1.3796	0.18978	0.39571	-5.3471	118471
B4GALT4-AS1	-0.15617	0.15617	0.20689	-1.3796	0.18979	0.39571	-5.3471	1.01E+08
FFAR2	0.61393	0.61393	0.8625	1.3795	0.18983	0.39571	-5.3473	2867
VWCE	-0.22464	0.22464	0.33358	-1.3794	0.18983	0.39571	-5.3473	220001
LPP-AS2	-0.23761	0.23761	0.60518	-1.3793	0.18986	0.39573	-5.3474	339929
NOL11	1.8151	1.8151	5.7887	1.379	0.18995	0.39588	-5.3478	25926
PIK3C2A	0.94344	0.94344	5.5009	1.3786	0.19007	0.39608	-5.3483	5286

ZDHHC16	1.1879	1.1879	4.5065	1.3779	0.19029	0.39647	-5.3492	84287
CCL11	2.0966	2.0966	1.0953	1.3778	0.19031	0.39647	-5.3493	6356
LEPR	-0.52988	0.52988	1.1624	-1.3778	0.19033	0.39647	-5.3494	3953
TMEM69	1.564	1.564	5.2632	1.3774	0.19044	0.39665	-5.3498	51249
GALNS	0.86317	0.86317	3.4992	1.3773	0.19049	0.39666	-5.35	2588
ZNF143	0.80039	0.80039	2.5293	1.3772	0.19049	0.39666	-5.35	7702
PLEKHA4	-4.2916	4.2916	4.5895	-1.3771	0.19053	0.39669	-5.3502	57664
LOC100506023	-0.10012	0.10012	0.1675	-1.377	0.19056	0.39669	-5.3503	1.01E+08
CCDC61	-0.8903	0.8903	2.1984	-1.3769	0.1906	0.39669	-5.3505	729440
PTRHD1	4.1062	4.1062	9.6539	1.3769	0.1906	0.39669	-5.3505	391356
ENTPD1-AS1	-0.11931	0.11931	0.19443	-1.3768	0.19064	0.39671	-5.3506	728558
NPIPB12	-0.3229	0.3229	0.7084	-1.3766	0.1907	0.39671	-5.3509	440353
AP1G1	1.6837	1.6837	9.4381	1.3766	0.1907	0.39671	-5.3509	164
TCEAL4	-1.5919	1.5919	4.7977	-1.3765	0.19071	0.39671	-5.3509	79921
SFT2D1	1.4511	1.4511	5.0954	1.376	0.19088	0.39695	-5.3516	113402
SEBOX	-0.15569	0.15569	0.2512	-1.3759	0.19089	0.39695	-5.3517	645832
TRMT2A	-1.1205	1.1205	3.9277	-1.3759	0.19089	0.39695	-5.3517	27037
INPP5E	-0.67416	0.67416	2.6531	-1.3758	0.19092	0.39695	-5.3518	56623
TEFM	0.60126	0.60126	2.1035	1.3758	0.19094	0.39695	-5.3519	79736
HNRNPD	-4.7337	4.7337	19.907	-1.3756	0.19099	0.39701	-5.3521	3184
TM9SF1	1.4162	1.4162	7.7536	1.3754	0.19105	0.39707	-5.3523	10548
GPR137B	2.1066	2.1066	7.0711	1.3753	0.19107	0.39707	-5.3524	7107
MRPS28	2.4244	2.4244	6.7939	1.3753	0.19109	0.39707	-5.3525	28957
MKI67	1.658	1.658	3.0352	1.3751	0.19114	0.39713	-5.3527	4288
EBLN2	-0.34514	0.34514	1.1261	-1.3748	0.19124	0.39729	-5.3531	55096
DYRK1B	-0.98718	0.98718	3.5201	-1.3744	0.19135	0.39745	-5.3536	9149

FAM242F	-0.12357	0.12357	0.09872	-1.3743	0.19139	0.39745	-5.3537	1.05E+08
HP09053	-0.10659	0.10659	0.27314	-1.3742	0.19141	0.39745	-5.3538	1.02E+08
IFI6	-50.278	50.278	37.302	-1.3742	0.19142	0.39745	-5.3538	2537
SRSF5	-8.1681	8.1681	48.81	-1.374	0.19146	0.3975	-5.354	6430
NFKBID	-0.289	0.289	1.2379	-1.3739	0.19149	0.39751	-5.3541	84807
ITCH	1.0603	1.0603	6.1799	1.3738	0.19153	0.39755	-5.3543	83737
TMEM231	-0.34536	0.34536	1.4073	-1.3734	0.19166	0.39773	-5.3548	79583
PDPN	4.7704	4.7704	7.3908	1.3734	0.19167	0.39773	-5.3549	10630
CLBA1	-0.3906	0.3906	1.2801	-1.3731	0.19174	0.39784	-5.3552	122616
RNFT1-DT	-0.16372	0.16372	0.31558	-1.3727	0.19187	0.39805	-5.3557	1.02E+08
IRS1	0.80814	0.80814	1.9603	1.3721	0.19206	0.3984	-5.3565	3667
ITPR1	-0.8912	0.8912	2.2761	-1.3719	0.1921	0.39843	-5.3566	3708
TMED10	5.3557	5.3557	23.308	1.3713	0.1923	0.39873	-5.3575	10972
RPTOR	-0.92408	0.92408	4.4815	-1.3712	0.19232	0.39873	-5.3575	57521
TMEM150C	-0.42371	0.42371	0.8046	-1.3712	0.19232	0.39873	-5.3575	441027
CUL7	-0.91399	0.91399	2.9288	-1.3711	0.19237	0.39879	-5.3577	9820
ACTG2	-13.756	13.756	13.792	-1.3708	0.19244	0.39887	-5.358	72
LOC729609	-0.10048	0.10048	0.11456	-1.3707	0.19247	0.39887	-5.3581	729609
NTN5	-0.18326	0.18326	0.21766	-1.3707	0.19248	0.39887	-5.3582	126147
ZYX	18.649	18.649	43.751	1.3706	0.1925	0.39887	-5.3583	7791
FEZ2	1.6266	1.6266	5.602	1.3705	0.19254	0.3989	-5.3584	9637
TOB1	8.4832	8.4832	21.655	1.3702	0.19263	0.39901	-5.3588	10140
OR5C1	-0.10453	0.10453	0.14732	-1.3701	0.19265	0.39901	-5.3589	392391
NME7	0.48114	0.48114	1.5657	1.3701	0.19266	0.39901	-5.3589	29922
STX7	0.98293	0.98293	5.1673	1.3698	0.19277	0.39913	-5.3594	8417
GNL3	3.3829	3.3829	13.235	1.3697	0.19279	0.39913	-5.3594	26354

NDUFS5	25.324	25.324	47.628	1.3697	0.19279	0.39913	-5.3595	4725
LINC01191	0.11216	0.11216	0.29622	1.3694	0.19289	0.39924	-5.3598	440900
RSPH1	-0.12078	0.12078	0.14326	-1.3693	0.19289	0.39924	-5.3599	89765
UBA52	12.66	12.66	39.116	1.369	0.193	0.39941	-5.3603	7311
CLPX	2.4762	2.4762	8.541	1.3689	0.19304	0.39944	-5.3605	10845
NCF2	1.8196	1.8196	4.0588	1.3683	0.1932	0.39973	-5.3611	4688
MILR1	0.28306	0.28306	0.52444	1.3675	0.19344	0.40018	-5.3621	284021
BAIAP2-DT	-0.44567	0.44567	1.0126	-1.3674	0.19349	0.4002	-5.3623	440465
EZH2	0.8819	0.8819	3.1939	1.3674	0.1935	0.4002	-5.3623	2146
POLA2	-0.47741	0.47741	1.8428	-1.3672	0.19356	0.40026	-5.3626	23649
ANKRD44	-0.33353	0.33353	1.2764	-1.3671	0.19359	0.40026	-5.3627	91526
AVPR2	-0.25096	0.25096	0.43951	-1.367	0.1936	0.40026	-5.3627	554
ZNF438	-0.35934	0.35934	1.4266	-1.367	0.19362	0.40026	-5.3628	220929
PCDHB4	-0.27374	0.27374	0.5307	-1.3669	0.19364	0.40026	-5.3629	56131
SLTM	2.1426	2.1426	9.0869	1.3668	0.19367	0.40027	-5.363	79811
SMIM27	-0.15499	0.15499	0.72674	-1.3667	0.19371	0.4003	-5.3632	1E+08
COL5A1	28.329	28.329	37.247	1.3666	0.19374	0.40031	-5.3633	1289
CBR4	-0.47525	0.47525	2.389	-1.3664	0.19381	0.40039	-5.3636	84869
HOOK2	-2.005	2.005	5.6672	-1.3662	0.19386	0.4004	-5.3638	29911
PKD1L1	0.1327	0.1327	0.24176	1.3661	0.19387	0.4004	-5.3638	168507
KBTBD4	-0.37821	0.37821	2.1798	-1.3661	0.19388	0.4004	-5.3639	55709
LSP1P5	0.64709	0.64709	1.7639	1.3657	0.19402	0.40061	-5.3644	645166
TEF	-2.275	2.275	6.0813	-1.3656	0.19405	0.40061	-5.3646	7008
MSC	1.931	1.931	2.641	1.3655	0.19408	0.40061	-5.3647	9242
DEDD	1.1343	1.1343	6.9662	1.3654	0.19409	0.40061	-5.3647	9191
ZNF335	-0.73404	0.73404	4.4353	-1.3654	0.1941	0.40061	-5.3648	63925

PGAM2	-1.1899	1.1899	3.8127	-1.3651	0.19418	0.40072	-5.3651	5224
DDX54	-1.8965	1.8965	6.1765	-1.3648	0.19428	0.40088	-5.3655	79039
ITIH3	-0.40349	0.40349	0.40072	-1.3646	0.19433	0.40094	-5.3657	3699
KPNA1	0.87566	0.87566	5.2286	1.3646	0.19436	0.40094	-5.3658	3836
BTF3	33.365	33.365	116.56	1.3645	0.19439	0.40096	-5.3659	689
MORF4L1	8.8506	8.8506	31.55	1.3643	0.19443	0.401	-5.3661	10933
ZSWIM1	-0.36309	0.36309	2.0385	-1.3641	0.1945	0.40107	-5.3664	90204
RPL39	202.11	202.11	429.42	1.364	0.19454	0.40107	-5.3665	6170
FOXC1	-1.145	1.145	2.7126	-1.364	0.19454	0.40107	-5.3665	2296
PIF1	0.20804	0.20804	0.35623	1.3638	0.19458	0.40107	-5.3667	80119
SEMA4C	-2.3365	2.3365	6.6525	-1.3638	0.19458	0.40107	-5.3667	54910
ZNF350	-0.52634	0.52634	1.8646	-1.3637	0.19462	0.40109	-5.3668	59348
C5AR2	0.32194	0.32194	0.79065	1.3632	0.19478	0.40133	-5.3675	27202
TPRXL	0.42027	0.42027	1.0136	1.3632	0.19478	0.40133	-5.3675	348825
MRPL14	2.3985	2.3985	7.9341	1.363	0.19483	0.40135	-5.3677	64928
TMEM92-AS1	0.1278	0.1278	0.15412	1.363	0.19485	0.40135	-5.3678	1.04E+08
OAS1	-4.1994	4.1994	4.3514	-1.3629	0.19486	0.40135	-5.3678	4938
LRRC19	-0.10313	0.10313	0.12362	-1.3627	0.19494	0.40143	-5.3681	64922
RPL6	67.871	67.871	196.92	1.3626	0.19495	0.40143	-5.3682	6128
KDR	2.2419	2.2419	5.7168	1.3624	0.19503	0.40154	-5.3685	3791
EFCAB7	-0.26907	0.26907	0.81303	-1.3621	0.19511	0.40165	-5.3688	84455
MFS13B	-0.09681	0.09681	0.09824	-1.3619	0.19518	0.40173	-5.3691	1.05E+08
AVPI1	7.6332	7.6332	12.257	1.3618	0.19519	0.40173	-5.3691	60370
XRR1	-0.4024	0.4024	1.5954	-1.3615	0.19529	0.40182	-5.3695	143570
RAB31L1	-1.8416	1.8416	2.9455	-1.3615	0.1953	0.40182	-5.3696	5866
IL10	0.35709	0.35709	0.35544	1.3615	0.1953	0.40182	-5.3696	3586

LINC01695	-0.12508	0.12508	0.12606	-1.3612	0.19539	0.40191	-5.3699	1.02E+08
LOC100287837	-0.45949	0.45949	0.5321	-1.3611	0.19541	0.40191	-5.37	1E+08
ZNFX1	-1.9394	1.9394	7.3537	-1.3611	0.19542	0.40191	-5.3701	57169
RAB8A	3.9699	3.9699	16.159	1.3608	0.19553	0.40208	-5.3705	4218
RARS2	1.0412	1.0412	4.4096	1.3606	0.19558	0.40213	-5.3707	57038
TMEM184C	0.6913	0.6913	3.7062	1.3605	0.19561	0.40216	-5.3708	55751
STARD13	0.94877	0.94877	2.0765	1.3604	0.19564	0.40217	-5.371	90627
PRR16	0.40987	0.40987	0.64936	1.3603	0.19566	0.40217	-5.371	51334
CHD4	-4.3725	4.3725	20.14	-1.3602	0.19569	0.40217	-5.3711	1108
P3H1	2.6842	2.6842	5.3046	1.3601	0.19573	0.40221	-5.3713	64175
CLCA4	-0.36158	0.36158	0.67087	-1.3594	0.19595	0.4026	-5.3722	22802
SLC22A18	-1.1772	1.1772	2.8315	-1.3592	0.19601	0.40262	-5.3724	5002
LINC00640	-0.32972	0.32972	0.67218	-1.3592	0.19602	0.40262	-5.3725	283553
PAFAH2	-0.45152	0.45152	2.2562	-1.3591	0.19603	0.40262	-5.3725	5051
CKB	-4.2905	4.2905	14.085	-1.3591	0.19605	0.40262	-5.3726	1152
PDLIM4	1.8542	1.8542	6.4771	1.3589	0.1961	0.40266	-5.3728	8572
SERTAD2	1.7015	1.7015	7.5758	1.3586	0.19621	0.40284	-5.3732	9792
TIPRL	0.98516	0.98516	3.6999	1.3583	0.19629	0.40296	-5.3735	261726
IL17B	-0.12399	0.12399	0.20327	-1.358	0.19639	0.40312	-5.3739	27190
ZBED4	0.5879	0.5879	3.7673	1.3578	0.19643	0.40316	-5.3741	9889
TMOD2	0.32735	0.32735	1.6029	1.3576	0.1965	0.40324	-5.3744	29767
TPX2	1.5401	1.5401	3.6273	1.3575	0.19653	0.40325	-5.3745	22974
CLN6	-1.7138	1.7138	5.9706	-1.357	0.19669	0.40354	-5.3751	54982
KIRREL1-IT1	-0.21971	0.21971	0.51124	-1.3564	0.19687	0.40386	-5.3759	1.01E+08
HECTD2	0.22385	0.22385	0.8187	1.3563	0.19692	0.40391	-5.376	143279
HMCN1	2.3913	2.3913	4.2686	1.3561	0.19696	0.40392	-5.3762	83872

PSMD13	4.0891	4.0891	16.632	1.3561	0.19697	0.40392	-5.3762	5719
RBP5	-0.52594	0.52594	1.1843	-1.3558	0.19706	0.40405	-5.3766	83758
LINC00886	-0.1466	0.1466	0.27631	-1.3557	0.1971	0.40408	-5.3768	730091
SFT2D2	3.4929	3.4929	16.955	1.3555	0.19716	0.40417	-5.377	375035
SERHL	-0.1494	0.1494	0.17336	-1.3553	0.19721	0.40419	-5.3772	94009
RALB	5.4825	5.4825	13.8	1.3553	0.19722	0.40419	-5.3772	5899
SHC1	10.129	10.129	25.741	1.355	0.19733	0.40435	-5.3777	6464
ZNRF2P1	-0.35803	0.35803	0.88431	-1.3548	0.19737	0.40439	-5.3778	441208
RMDN1	-1.0318	1.0318	4.1497	-1.3545	0.19746	0.40452	-5.3782	51115
COPG1	4.2818	4.2818	17.894	1.3542	0.19756	0.40458	-5.3786	22820
MARCKSL1	8.2607	8.2607	16.164	1.3542	0.19757	0.40458	-5.3786	65108
LDAH	0.28479	0.28479	1.4999	1.3541	0.19759	0.40458	-5.3787	60526
TRMT6	1.0078	1.0078	3.0618	1.3541	0.1976	0.40458	-5.3787	51605
CDC25A	0.44826	0.44826	0.60759	1.3541	0.1976	0.40458	-5.3788	993
LOC102724532	1.0343	1.0343	1.9809	1.354	0.19763	0.40459	-5.3789	1.03E+08
TM7SF2	18.804	18.804	19.834	1.3532	0.19786	0.405	-5.3798	7108
TMEM140	-1.6708	1.6708	4.6292	-1.3531	0.19791	0.40503	-5.38	55281
EI24	5.005	5.005	21.597	1.353	0.19793	0.40503	-5.38	9538
PTCSC3	-0.10546	0.10546	0.2182	-1.3529	0.19795	0.40503	-5.3801	1.01E+08
AADA2L2-AS1	-0.48648	0.48648	0.31357	-1.3529	0.19797	0.40503	-5.3802	1.02E+08
LOC153684	-0.34852	0.34852	0.91199	-1.3528	0.19801	0.40503	-5.3803	153684
ZDHHC11	-0.37458	0.37458	0.70356	-1.3527	0.19802	0.40503	-5.3804	79844
OAS2	-4.7002	4.7002	4.3045	-1.3524	0.19811	0.40518	-5.3808	4939
CD274	0.59304	0.59304	0.7672	1.352	0.19826	0.40542	-5.3813	29126
GEMIN6	1.3339	1.3339	2.8119	1.3517	0.19835	0.40556	-5.3817	79833
C16orf74	1.4281	1.4281	2.4932	1.3515	0.19841	0.40564	-5.3819	404550

ANKRD44-IT1	-0.18879	0.18879	0.31306	-1.3513	0.19846	0.40568	-5.3821	1.02E+08
TGM5	9.4712	9.4712	10.659	1.3511	0.19853	0.40579	-5.3824	9333
EEFSEC	-0.85451	0.85451	3.7905	-1.3505	0.1987	0.40602	-5.3831	60678
ASXL1	-1.0579	1.0579	5.0799	-1.3505	0.19871	0.40602	-5.3831	171023
MEGF10	0.21624	0.21624	0.30434	1.3505	0.19872	0.40602	-5.3831	84466
SLC26A6	0.82462	0.82462	2.1983	1.3504	0.19874	0.40602	-5.3832	65010
TRIM22	-3.6033	3.6033	6.2243	-1.3502	0.1988	0.40609	-5.3835	10346
ZNF75A	-0.25181	0.25181	1.1506	-1.3501	0.19883	0.4061	-5.3836	7627
ZNF653	-0.32	0.32	0.9785	-1.3496	0.19898	0.40627	-5.3842	115950
TMEM184A	3.468	3.468	8.817	1.3496	0.19898	0.40627	-5.3842	202915
SERINC3	3.3708	3.3708	18.337	1.3496	0.19899	0.40627	-5.3842	10955
LAT	-0.44324	0.44324	1.2412	-1.3494	0.19904	0.40628	-5.3844	27040
PDZD7	-0.13889	0.13889	0.18544	-1.3494	0.19905	0.40628	-5.3844	79955
GCH1	0.81998	0.81998	2.2775	1.3494	0.19906	0.40628	-5.3845	2643
ZMYM4-AS1	-0.14458	0.14458	0.24083	-1.3492	0.19912	0.40635	-5.3847	1.01E+08
LOC101930085	0.40093	0.40093	1.827	1.3488	0.19925	0.40656	-5.3852	1.02E+08
SIRT4	-0.14884	0.14884	0.23513	-1.3485	0.19936	0.40673	-5.3856	23409
ACTN1	22.299	22.299	43.608	1.3483	0.1994	0.40677	-5.3858	87
TRIM6-TRIM34	-0.14889	0.14889	0.24483	-1.3475	0.19966	0.40723	-5.3868	445372
CTAGE6	-0.12529	0.12529	0.252	-1.3474	0.19969	0.40723	-5.3869	340307
FAM157C	-0.27168	0.27168	0.49611	-1.3474	0.1997	0.40723	-5.387	1.01E+08
BPIFC	4.8683	4.8683	7.7765	1.3469	0.19985	0.40749	-5.3876	254240
SUMO1	3.8862	3.8862	12.591	1.3466	0.19994	0.40763	-5.3879	7341
VWA1	2.7045	2.7045	6.6411	1.3463	0.20002	0.40772	-5.3882	64856
SNORA20	-0.36178	0.36178	0.33748	-1.3462	0.20005	0.40772	-5.3884	677806
EIF2D	-1.2037	1.2037	7.3764	-1.3462	0.20007	0.40772	-5.3884	1939

LRR8C-DT	-0.11548	0.11548	0.22015	-1.3461	0.20008	0.40772	-5.3885	400761
FTSJ1	1.8658	1.8658	6.9111	1.346	0.20013	0.40772	-5.3887	24140
PRDM16	-0.16035	0.16035	0.19997	-1.3459	0.20015	0.40772	-5.3887	63976
HLA-DQB1	-1.5572	1.5572	2.3891	-1.3459	0.20015	0.40772	-5.3888	3119
SNX2	0.69694	0.69694	2.9618	1.3454	0.20032	0.40797	-5.3894	6643
FANCL	-0.40502	0.40502	1.649	-1.3454	0.20032	0.40797	-5.3894	55120
PORCN	0.96648	0.96648	2.9479	1.3453	0.20035	0.40798	-5.3895	64840
TAF7	2.5517	2.5517	11.595	1.3449	0.20046	0.40814	-5.3899	6879
RAPGEFL1	-9.8916	9.8916	22.127	-1.3448	0.2005	0.40817	-5.3901	51195
WDFY1	1.0169	1.0169	5.6377	1.3445	0.2006	0.40827	-5.3905	57590
CRIP1	24.321	24.321	61.755	1.3445	0.2006	0.40827	-5.3905	1396
MEP1B	-0.09221	0.092208	0.080421	-1.3444	0.20062	0.40827	-5.3906	4225
TM9SF3	2.773	2.773	13.31	1.3443	0.20067	0.40829	-5.3908	56889
SNHG6	-2.2606	2.2606	7.4744	-1.3443	0.20067	0.40829	-5.3908	641638
HEPHL1	17.24	17.24	16.955	1.3441	0.20072	0.40834	-5.391	341208
ALDH1A3	6.7179	6.7179	6.7252	1.3438	0.20082	0.40849	-5.3913	220
WHAMM	-0.41702	0.41702	2.873	-1.3437	0.20084	0.40849	-5.3914	123720
PSTK	-0.1421	0.1421	0.48427	-1.3432	0.201	0.40868	-5.3921	118672
ARL6IP6	-0.43808	0.43808	2.3544	-1.3432	0.20101	0.40868	-5.3921	151188
C10orf95	-0.24201	0.24201	0.65855	-1.3431	0.20103	0.40868	-5.3921	79946
PGBD5	1.6393	1.6393	1.977	1.3431	0.20104	0.40868	-5.3922	79605
COL11A1	2.5894	2.5894	1.6882	1.3429	0.2011	0.40873	-5.3924	1301
PLK4	0.33431	0.33431	0.81552	1.3429	0.20111	0.40873	-5.3925	10733
SLC11A1	1.0335	1.0335	1.4086	1.3428	0.20114	0.40874	-5.3926	6556
OCLNP1	-0.61112	0.61112	1.6648	-1.3425	0.20123	0.40884	-5.3929	647859
USP12-AS1	-0.12235	0.12235	0.25077	-1.3425	0.20123	0.40884	-5.393	1.01E+08

CENPB	-6.9806	6.9806	21.519	-1.3417	0.20147	0.40926	-5.3939	1059
AKAP8	-0.83979	0.83979	5.1835	-1.3411	0.20167	0.40961	-5.3946	10270
DCTN4	1.4578	1.4578	8.16	1.341	0.20169	0.40961	-5.3947	51164
SLC1A7	-0.14443	0.14443	0.18061	-1.341	0.20172	0.40962	-5.3948	6512
DNAJC28	0.1154	0.1154	0.22706	1.3406	0.20182	0.40975	-5.3952	54943
LOC339192	-0.14134	0.14134	0.19467	-1.3405	0.20186	0.40975	-5.3954	339192
SERPINB8	3.9255	3.9255	8.7843	1.3404	0.20188	0.40975	-5.3955	5271
ADK	1.645	1.645	7.4232	1.3404	0.2019	0.40975	-5.3955	132
CD248	-9.7696	9.7696	20.482	-1.3404	0.2019	0.40975	-5.3955	57124
SOCS2	0.59297	0.59297	1.3667	1.3403	0.20193	0.40975	-5.3956	8835
MYCT1	0.95475	0.95475	2.2119	1.3401	0.20198	0.40982	-5.3958	80177
PIAS3	-1.3794	1.3794	8.5504	-1.3386	0.20246	0.41072	-5.3977	10401
SGPP2	4.2164	4.2164	11.455	1.3385	0.20251	0.41073	-5.3979	130367
NPIPB15	-1.0876	1.0876	1.4361	-1.3384	0.20251	0.41073	-5.3979	440348
ANKRD13C	1.0222	1.0222	3.541	1.3383	0.20255	0.41073	-5.398	81573
SGTB	0.2648	0.2648	0.96473	1.3382	0.20258	0.41073	-5.3981	54557
ZC3H18	-1.6001	1.6001	5.2555	-1.3382	0.20258	0.41073	-5.3981	124245
RGS16	1.0618	1.0618	1.8619	1.338	0.20267	0.41086	-5.3985	6004
IRF2	-1.4994	1.4994	4.9173	-1.3378	0.20271	0.41087	-5.3986	3660
ANGPTL7	-4.0146	4.0146	2.6435	-1.3378	0.20272	0.41087	-5.3987	10218
ZNF680	-0.23264	0.23264	0.70137	-1.3376	0.20278	0.41094	-5.3989	340252
TGM6	-0.21482	0.21482	0.17065	-1.3374	0.20283	0.41099	-5.3991	343641
SNORA63	-22.256	22.256	14.707	-1.3372	0.20292	0.41113	-5.3995	6043
CSRNP3	-0.17367	0.17367	0.37728	-1.3369	0.203	0.41114	-5.3998	80034
DNM1L	1.7098	1.7098	6.3758	1.3369	0.20302	0.41114	-5.3998	10059
HPS1	-1.5365	1.5365	5.572	-1.3369	0.20302	0.41114	-5.3998	3257

NBPF3	-0.28519	0.28519	1.0181	-1.3368	0.20302	0.41114	-5.3998	84224
SIRT3	-0.59522	0.59522	2.4089	-1.3366	0.20309	0.41123	-5.4001	23410
OTOP3	2.0198	2.0198	2.3259	1.3357	0.20339	0.41178	-5.4012	347741
KLHL24	-0.64344	0.64344	2.4917	-1.3352	0.20355	0.41206	-5.4019	54800
LOC101927069	0.11541	0.11541	0.24906	1.335	0.20362	0.41214	-5.4021	1.02E+08
PCBP2-OT1	-0.69325	0.69325	1.7885	-1.3347	0.2037	0.41223	-5.4024	1.02E+08
TNFRSF1A	8.2387	8.2387	29.898	1.3347	0.20371	0.41223	-5.4025	7132
VAR52	-0.13742	0.13742	0.47403	-1.3345	0.20375	0.41227	-5.4026	57176
HMG3	1.8614	1.8614	6.4501	1.3343	0.20382	0.41229	-5.4029	9324
LOC730183	-0.63012	0.63012	1.4366	-1.3343	0.20382	0.41229	-5.4029	730183
HCN3	-0.31221	0.31221	1.0928	-1.3343	0.20384	0.41229	-5.403	57657
CALR	43.337	43.337	124.27	1.3339	0.20396	0.41248	-5.4034	811
USP48	-0.53474	0.53474	4.5564	-1.3335	0.20408	0.41267	-5.4039	84196
AEBP2	-0.53846	0.53846	3.5441	-1.3328	0.20432	0.41311	-5.4048	121536
CHID1	-1.062	1.062	4.5496	-1.3326	0.20438	0.41319	-5.405	66005
RTN4	7.7563	7.7563	29.977	1.3325	0.2044	0.41319	-5.4051	57142
MIG7	-0.09899	0.098986	0.10042	-1.3324	0.20443	0.41319	-5.4052	723788
ACAN	1.5835	1.5835	1.0772	1.3323	0.20447	0.41322	-5.4054	176
SLC51A	-0.1643	0.1643	0.41305	-1.3321	0.20453	0.41329	-5.4056	200931
ENG	10.417	10.417	22.797	1.3319	0.20461	0.41342	-5.4059	2022
UBE2W	0.3591	0.3591	1.4972	1.3317	0.20466	0.41342	-5.4061	55284
WDTC1	-2.0512	2.0512	9.617	-1.3317	0.20466	0.41342	-5.4061	23038
VAC14-AS1	-0.11866	0.11866	0.24063	-1.3316	0.20469	0.41343	-5.4062	1E+08
TNPO1	1.3461	1.3461	5.6283	1.3309	0.20491	0.41381	-5.407	3842
MAP3K12	-0.76318	0.76318	2.096	-1.3304	0.20507	0.41405	-5.4076	7786
SSBP1	3.7725	3.7725	11.827	1.3304	0.20508	0.41405	-5.4077	6742

RPL7	100.56	100.56	257.43	1.3303	0.20511	0.41405	-5.4078	6129
NT5C3A	5.052	5.052	7.3802	1.3303	0.20512	0.41405	-5.4078	51251
C1orf131	0.56041	0.56041	2.3799	1.3301	0.20519	0.41413	-5.4081	128061
RFXAP	-0.16055	0.16055	0.44854	-1.3297	0.2053	0.41423	-5.4085	5994
GLOD4	-1.6541	1.6541	9.0677	-1.3297	0.20531	0.41423	-5.4085	51031
PPFIA3	-1.4388	1.4388	3.8503	-1.3297	0.20531	0.41423	-5.4086	8541
IFI44	-3.4489	3.4489	4.2682	-1.3295	0.20538	0.41427	-5.4088	10561
ZMYM2	-0.81323	0.81323	4.2985	-1.3294	0.2054	0.41427	-5.4089	7750
CUL4A	-0.63842	0.63842	6.0159	-1.3294	0.2054	0.41427	-5.4089	8451
CYFIP2	0.87742	0.87742	1.3265	1.3291	0.20549	0.41436	-5.4092	26999
NANS	2.9183	2.9183	8.6361	1.3291	0.2055	0.41436	-5.4093	54187
CTSB	53.924	53.924	109.2	1.3288	0.20559	0.41449	-5.4096	1508
LOC100996437	-0.53213	0.53213	1.3278	-1.3286	0.20565	0.41456	-5.4098	1.01E+08
DLX5	3.669	3.669	9.7668	1.3283	0.20574	0.4147	-5.4102	1749
TMEM147	7.0452	7.0452	22.523	1.328	0.20585	0.4148	-5.4106	10430
MRPL17	1.7479	1.7479	4.6639	1.3278	0.2059	0.4148	-5.4108	63875
NDUFB6	2.9502	2.9502	7.7756	1.3277	0.20593	0.4148	-5.4109	4712
ANGPT1	0.46625	0.46625	0.83286	1.3277	0.20594	0.4148	-5.4109	284
C9orf40	0.24437	0.24437	0.87614	1.3277	0.20595	0.4148	-5.411	55071
LOC100287467	-0.18247	0.18247	0.83767	-1.3276	0.20597	0.4148	-5.411	1E+08
MRPS6	2.4858	2.4858	9.1121	1.3275	0.206	0.4148	-5.4111	64968
FGF14	-0.1265	0.1265	0.16192	-1.3275	0.206	0.4148	-5.4112	2259
LOC105371046	-0.11448	0.11448	0.11229	-1.3275	0.20601	0.4148	-5.4112	1.05E+08
MED22	-1.0118	1.0118	3.3038	-1.3274	0.20604	0.4148	-5.4113	6837
SNPH	0.34211	0.34211	0.92213	1.3273	0.20608	0.41481	-5.4115	9751
ANKRD46	0.25036	0.25036	1.5329	1.3271	0.20613	0.41481	-5.4116	157567

CENPI	0.16275	0.16275	0.40246	1.3271	0.20614	0.41481	-5.4117	2491
HNRNPH2	2.0061	2.0061	6.6437	1.3271	0.20614	0.41481	-5.4117	3188
GNPAT	1.1677	1.1677	5.8885	1.327	0.20618	0.41482	-5.4118	8443
ECHDC3	-0.99457	0.99457	3.7263	-1.3269	0.20619	0.41482	-5.4119	79746
CCDC28B	-0.33148	0.33148	1.0399	-1.3268	0.20625	0.41486	-5.4121	79140
LOC105377924	1.0278	1.0278	1.2695	1.3267	0.20627	0.41486	-5.4121	1.05E+08
TRIB3	0.70242	0.70242	1.6875	1.3266	0.20629	0.41486	-5.4122	57761
BTBD8	-0.11225	0.11225	0.22426	-1.3265	0.20635	0.41493	-5.4125	284697
KLHL35	-0.15699	0.15699	0.30957	-1.3264	0.20638	0.41494	-5.4126	283212
EIF3M	5.0845	5.0845	20.644	1.326	0.2065	0.41514	-5.413	10480
SERF2-C15ORF63	-0.08982	0.089823	0.074411	-1.3255	0.20667	0.41542	-5.4136	1.01E+08
SWT1	-0.26497	0.26497	0.97734	-1.3248	0.20687	0.41578	-5.4144	54823
KCNMB4	-0.22557	0.22557	0.39375	-1.3247	0.2069	0.41578	-5.4145	27345
DDX39B	-0.71275	0.71275	3.9342	-1.3247	0.20692	0.41578	-5.4146	7919
NTF3	-0.18247	0.18247	0.43184	-1.3246	0.20694	0.41579	-5.4147	4908
SELENOO	-1.1612	1.1612	4.2683	-1.3241	0.2071	0.41601	-5.4153	83642
RAD23B	3.8049	3.8049	18.131	1.3241	0.20711	0.41601	-5.4153	5887
PPIL1	1.8164	1.8164	4.7807	1.324	0.20714	0.41604	-5.4154	51645
CHRNA5	0.094545	0.094545	0.16445	1.3234	0.20733	0.41635	-5.4161	1138
WDR45	2.3925	2.3925	8.5257	1.3233	0.20737	0.41639	-5.4163	11152
DLEU1	-0.21396	0.21396	0.96491	-1.3231	0.20743	0.41647	-5.4165	10301
HMGA1	9.2533	9.2533	33.376	1.3229	0.20748	0.41652	-5.4167	3159
ADAM20P1	-0.12289	0.12289	0.31116	-1.3228	0.20751	0.41653	-5.4168	317760
FLT3	-0.10688	0.10688	0.13438	-1.3228	0.20754	0.41653	-5.4169	2322
CPLANE2	-0.3903	0.3903	0.98855	-1.3224	0.20765	0.4167	-5.4173	79363
GAS5-AS1	-0.58419	0.58419	1.4403	-1.3223	0.20769	0.41673	-5.4175	1.01E+08

HOXD3	-0.15381	0.15381	0.31481	-1.3222	0.20772	0.41674	-5.4176	3232
SV2A	0.2745	0.2745	0.48486	1.322	0.20777	0.41674	-5.4178	9900
DDX24	-2.8089	2.8089	14.643	-1.322	0.20778	0.41674	-5.4178	57062
TMEM256	3.2851	3.2851	6.3702	1.322	0.2078	0.41674	-5.4179	254863
FLNB	16.83	16.83	47.733	1.3219	0.20782	0.41674	-5.4179	2317
ITM2B	30.046	30.046	133.17	1.3217	0.20788	0.41681	-5.4182	9445
GNAI2	12.353	12.353	35.092	1.3212	0.20804	0.41708	-5.4188	2771
B4GALNT1	0.2447	0.2447	0.30769	1.321	0.20811	0.41719	-5.4191	2583
UNC5C	-0.10224	0.10224	0.18243	-1.3208	0.20818	0.41719	-5.4193	8633
USF3	-0.42864	0.42864	2.6403	-1.3208	0.20819	0.41719	-5.4193	205717
CISD1	0.64727	0.64727	1.6762	1.3207	0.2082	0.41719	-5.4194	55847
BRD8	-0.67576	0.67576	2.8028	-1.3206	0.20824	0.41719	-5.4195	10902
GNA13	1.1194	1.1194	5.2259	1.3206	0.20825	0.41719	-5.4196	10672
NUB1	-0.94056	0.94056	5.601	-1.3205	0.20826	0.41719	-5.4196	51667
YPEL4	-0.16163	0.16163	0.49062	-1.3199	0.20847	0.4175	-5.4204	219539
ARL5A	8.3373	8.3373	13.237	1.3199	0.20847	0.4175	-5.4204	26225
IL20	0.37613	0.37613	0.41169	1.3194	0.20862	0.41776	-5.4209	50604
CYHR1	-1.0615	1.0615	2.9867	-1.3193	0.20866	0.41779	-5.4211	50626
GLIS3-AS1	0.098681	0.098681	0.075951	1.3191	0.20872	0.41785	-5.4213	84850
TCEAL7	0.64602	0.64602	0.56209	1.3191	0.20874	0.41785	-5.4214	56849
MPHOSPH10	0.99942	0.99942	4.6516	1.3189	0.20879	0.4179	-5.4216	10199
RHOT2	-2.8953	2.8953	9.2473	-1.3187	0.20886	0.418	-5.4218	89941
ASB6	-0.6638	0.6638	3.548	-1.3182	0.20901	0.41824	-5.4224	140459
CLN8	1.6496	1.6496	4.8238	1.3181	0.20907	0.41831	-5.4226	2055
NECTIN4	9.6709	9.6709	30.75	1.318	0.20909	0.41831	-5.4227	81607
CTLA4	0.12899	0.12899	0.21999	1.3177	0.20918	0.41836	-5.423	1493

CTRL	-0.19014	0.19014	0.71107	-1.3177	0.20919	0.41836	-5.423	1506
NPR1	-0.70061	0.70061	1.6083	-1.3177	0.20919	0.41836	-5.4231	4881
RASA1	0.8368	0.8368	5.2572	1.3175	0.20924	0.41837	-5.4232	5921
SRSF3	3.4002	3.4002	17.216	1.3175	0.20925	0.41837	-5.4233	6428
ENO2	1.3858	1.3858	3.3977	1.3172	0.20936	0.41855	-5.4237	2026
PSMB2	1.9984	1.9984	8.367	1.3171	0.20938	0.41855	-5.4238	5690
RDH13	1.9197	1.9197	7.1441	1.3169	0.20943	0.4186	-5.424	112724
COG3	0.47598	0.47598	4.0153	1.3165	0.20956	0.4188	-5.4244	83548
NUSAP1	1.2276	1.2276	2.5386	1.3163	0.20965	0.41886	-5.4247	51203
VWF	-8.9202	8.9202	20.05	-1.3162	0.20966	0.41886	-5.4248	7450
METTL18	0.35789	0.35789	1.0848	1.3162	0.20967	0.41886	-5.4248	92342
PIRT	0.11199	0.11199	0.17859	1.3161	0.20971	0.4189	-5.425	644139
ZUP1	0.30484	0.30484	1.6432	1.3158	0.2098	0.41902	-5.4253	221302
CCNB1IP1	-1.3939	1.3939	4.7879	-1.3154	0.20993	0.41923	-5.4258	57820
DCP1B	-0.24573	0.24573	0.94148	-1.3152	0.21001	0.41935	-5.4261	196513
ATP9A	1.4833	1.4833	6.0708	1.3151	0.21004	0.41936	-5.4262	10079
SNORA5B	-0.18431	0.18431	0.21053	-1.3144	0.21026	0.41974	-5.427	677795
WFDC5	15.651	15.651	30.198	1.3143	0.2103	0.41977	-5.4271	149708
PTPN18	-1.2048	1.2048	3.7754	-1.314	0.21038	0.41986	-5.4274	26469
MMP24	-0.23099	0.23099	0.80216	-1.314	0.21039	0.41986	-5.4275	10893
EEF1AKMT4	0.61281	0.61281	2.1369	1.3136	0.21052	0.42008	-5.428	1.11E+08
SMG9	-0.37993	0.37993	1.667	-1.3134	0.21058	0.42013	-5.4282	56006
SAA1	-22.227	22.227	12.394	-1.3133	0.21062	0.42016	-5.4283	6288
LINC01840	-0.10111	0.10111	0.11308	-1.3132	0.21067	0.42016	-5.4285	1.01E+08
RTL10	-1.5198	1.5198	4.9853	-1.3131	0.2107	0.42016	-5.4286	79680
UNC5B-AS1	8.5766	8.5766	5.2446	1.313	0.21071	0.42016	-5.4286	728978

YTHDF3-AS1	-0.14205	0.14205	0.46966	-1.313	0.21073	0.42016	-5.4287	1.01E+08
LINC01621	0.13368	0.13368	0.20658	1.3129	0.21074	0.42016	-5.4288	89758
OLA1	1.3348	1.3348	5.835	1.3129	0.21077	0.42017	-5.4289	29789
HSPE1	5.9348	5.9348	13.598	1.3128	0.21079	0.42017	-5.4289	3336
NPM1	30.546	30.546	88.704	1.3126	0.21085	0.42022	-5.4292	4869
MSANTD2	-0.34921	0.34921	1.2704	-1.3126	0.21087	0.42022	-5.4292	79684
CLCN4	-0.24898	0.24898	0.53485	-1.3124	0.21091	0.42025	-5.4294	1183
COQ8B	-1.0981	1.0981	3.542	-1.3121	0.21102	0.42041	-5.4298	79934
RANBP9	4.8627	4.8627	12.603	1.312	0.21104	0.42041	-5.4299	10048
JTB	4.7329	4.7329	17.284	1.3118	0.21113	0.42054	-5.4302	10899
TMED7-TICAM2	0.51021	0.51021	1.1554	1.3115	0.21123	0.42069	-5.4305	1E+08
PGAM1P5	-0.12134	0.12134	0.15786	-1.3111	0.21134	0.42087	-5.431	1E+08
PPDPF	49.799	49.799	159.78	1.311	0.21137	0.42087	-5.4311	79144
LSM3	5.8122	5.8122	13.197	1.3108	0.21144	0.42095	-5.4313	27258
CIAO2A	0.77932	0.77932	1.8496	1.3107	0.21147	0.42095	-5.4314	84191
USP1	0.88185	0.88185	4.3121	1.3107	0.21149	0.42095	-5.4315	7398
SALL1	0.16825	0.16825	0.31809	1.3104	0.21157	0.42108	-5.4318	6299
TTC37	1.5436	1.5436	9.3982	1.3101	0.21168	0.42123	-5.4322	9652
ATP6V0A2	-0.40516	0.40516	2.5731	-1.3097	0.2118	0.42143	-5.4326	23545
CARD16	1.5088	1.5088	2.1211	1.3096	0.21184	0.42147	-5.4328	114769
YME1L1	3.3839	3.3839	14.858	1.3094	0.21192	0.42154	-5.433	10730
SLC38A10	-2.7406	2.7406	7.1288	-1.3092	0.21197	0.42154	-5.4332	124565
AP3M2	-0.47439	0.47439	1.9226	-1.3092	0.21199	0.42154	-5.4333	10947
PRMT3	0.86306	0.86306	3.2169	1.3091	0.212	0.42154	-5.4334	10196
MTBP	-0.19799	0.19799	0.64478	-1.3091	0.21201	0.42154	-5.4334	27085
UFM1	1.2965	1.2965	5.0726	1.3089	0.21208	0.42165	-5.4337	51569

TSPYL5	-0.59196	0.59196	1.4639	-1.3086	0.21218	0.42176	-5.434	85453
SLC25A44	0.88185	0.88185	4.5351	1.3085	0.21219	0.42176	-5.4341	9673
HRNR	437.15	437.15	271.53	1.308	0.21238	0.42208	-5.4347	388697
KDM3A	-2.0556	2.0556	10.283	-1.3079	0.2124	0.42208	-5.4348	55818
TBP	-0.31531	0.31531	2.4025	-1.3077	0.21245	0.42209	-5.435	6908
BSDC1	-1.0632	1.0632	7.5816	-1.3077	0.21246	0.42209	-5.435	55108
HLA-B	-9.772	9.772	27.024	-1.3076	0.21252	0.42216	-5.4352	3106
SELENOF	4.0259	4.0259	12.553	1.3071	0.21267	0.42228	-5.4358	9403
KCNJ5	-0.11229	0.11229	0.21247	-1.307	0.21268	0.42228	-5.4358	3762
USB1	1.7263	1.7263	4.3151	1.307	0.21269	0.42228	-5.4359	79650
SPNS2	8.4487	8.4487	16.302	1.307	0.2127	0.42228	-5.4359	124976
IFFO2	35.86	35.86	65.265	1.307	0.2127	0.42228	-5.4359	126917
TRIM34	-0.26128	0.26128	1.0213	-1.3063	0.21294	0.42271	-5.4368	53840
CFH	-5.3575	5.3575	12.443	-1.3059	0.21305	0.42287	-5.4372	3075
CYFIP1	2.7934	2.7934	11.434	1.3056	0.21317	0.42306	-5.4376	23191
ATRIP-TREX1	-0.24514	0.24514	0.8214	-1.3054	0.21324	0.42315	-5.4379	1.12E+08
MAP4K1	-0.23094	0.23094	0.56761	-1.3052	0.21329	0.4232	-5.438	11184
ECHDC2	-1.817	1.817	5.3615	-1.3051	0.21333	0.42323	-5.4382	55268
ANAPC11	3.7998	3.7998	9.4268	1.3048	0.21343	0.42337	-5.4385	51529
NECTIN3	0.24879	0.24879	0.5764	1.3047	0.21346	0.42338	-5.4386	25945
MAD2L1	1.1394	1.1394	1.8807	1.3046	0.21349	0.42339	-5.4388	4085
UBAP2L	-2.6563	2.6563	12.987	-1.3045	0.21352	0.42339	-5.4389	9898
ADARB1	-0.82272	0.82272	3.0415	-1.3043	0.21358	0.42339	-5.4391	104
NIFK-AS1	-0.13135	0.13135	0.46344	-1.3043	0.21358	0.42339	-5.4391	254128
ITGB2-AS1	-0.13082	0.13082	0.28142	-1.3042	0.21361	0.42339	-5.4392	1.01E+08
YDJC	-1.1631	1.1631	3.4859	-1.3042	0.21361	0.42339	-5.4392	150223

PRAC1	-0.2056	0.2056	0.24996	-1.3037	0.2138	0.42371	-5.4399	84366
TMA7	18.423	18.423	51.143	1.3036	0.21382	0.42371	-5.44	51372
SCARNA1	-0.19926	0.19926	0.20208	-1.303	0.21402	0.42399	-5.4407	677774
ACAT2	1.8967	1.8967	5.3905	1.303	0.21403	0.42399	-5.4407	39
OAF	2.7162	2.7162	6.6128	1.3029	0.21404	0.42399	-5.4408	220323
TRANK1	-0.72012	0.72012	1.5725	-1.3025	0.2142	0.42423	-5.4413	9881
DHX30	-0.97358	0.97358	5.0852	-1.3023	0.21424	0.42423	-5.4415	22907
GPR132	-0.24926	0.24926	0.89097	-1.3023	0.21426	0.42423	-5.4415	29933
SLC39A14	3.0675	3.0675	5.1786	1.3023	0.21426	0.42423	-5.4415	23516
SOCS5	0.86233	0.86233	3.4973	1.302	0.21435	0.42431	-5.4419	9655
GPC6	0.66128	0.66128	0.99215	1.302	0.21435	0.42431	-5.4419	10082
MIR1302-5	0.13093	0.13093	0.13181	1.3017	0.21445	0.42445	-5.4422	1E+08
PAXIP1	-0.31406	0.31406	1.9132	-1.3013	0.2146	0.42463	-5.4428	22976
SIAE	0.64437	0.64437	2.4961	1.3012	0.21463	0.42463	-5.4428	54414
PIGY	3.1908	3.1908	10.485	1.3011	0.21464	0.42463	-5.4429	84992
PYURF	3.1908	3.1908	10.485	1.3011	0.21464	0.42463	-5.4429	1.01E+08
NME1	8.8232	8.8232	21.811	1.301	0.21467	0.42464	-5.443	4830
RSL24D1	4.1145	4.1145	14.171	1.3009	0.21472	0.42465	-5.4432	51187
HUS1B	-0.14216	0.14216	0.31285	-1.3009	0.21473	0.42465	-5.4432	135458
PECAM1	4.8152	4.8152	11.093	1.3006	0.21482	0.42478	-5.4435	5175
JPX	-0.29206	0.29206	0.84773	-1.3005	0.21486	0.42482	-5.4437	554203
STMN2	-1.0552	1.0552	1.3707	-1.3004	0.21489	0.42482	-5.4438	11075
TEDC1	-0.53984	0.53984	1.7714	-1.3002	0.21497	0.42489	-5.4441	283643
TBC1D8B	0.27573	0.27573	0.68189	1.2998	0.21507	0.42489	-5.4445	54885
RUNX3	-0.85633	0.85633	2.6997	-1.2998	0.2151	0.42489	-5.4445	864
CCDC167	1.7828	1.7828	4.0125	1.2997	0.21511	0.42489	-5.4446	154467

TMEM120B	-0.32192	0.32192	1.4767	-1.2997	0.21512	0.42489	-5.4446	144404
GLUL	-10.308	10.308	19.975	-1.2997	0.21513	0.42489	-5.4447	2752
A2M-AS1	-0.21846	0.21846	0.42565	-1.2996	0.21514	0.42489	-5.4447	144571
THBS2	21.326	21.326	38.163	1.2996	0.21516	0.42489	-5.4448	7058
GAPLINC	0.41163	0.41163	0.31845	1.2995	0.21517	0.42489	-5.4448	1.01E+08
LOC100133286	-0.10606	0.10606	0.13577	-1.2995	0.21518	0.42489	-5.4448	1E+08
BYSL	1.0634	1.0634	3.4949	1.2995	0.2152	0.42489	-5.4449	705
SEC61A1	8.3398	8.3398	31.213	1.2992	0.21528	0.42498	-5.4452	29927
SNAP47	-0.31945	0.31945	1.5587	-1.2992	0.2153	0.42498	-5.4453	116841
ACAD9	-2.5836	2.5836	9.7667	-1.299	0.21535	0.42498	-5.4454	28976
KCNMA1	-0.15137	0.15137	0.30605	-1.299	0.21535	0.42498	-5.4454	3778
SETDB2-PHF11	-0.24067	0.24067	1.0967	-1.2989	0.21537	0.42498	-5.4455	1.07E+08
SUGP2	-1.0255	1.0255	4.9292	-1.2985	0.21552	0.42522	-5.446	10147
TPSG1	-0.17912	0.17912	0.25893	-1.2984	0.21554	0.42522	-5.4461	25823
ADRM1	6.0377	6.0377	22.861	1.2981	0.21565	0.42538	-5.4465	11047
LSMEM2	-0.12536	0.12536	0.33433	-1.298	0.21568	0.42538	-5.4466	132228
ADGRE2	0.73135	0.73135	1.5027	1.298	0.2157	0.42538	-5.4467	30817
PCGF2	-1.3122	1.3122	4.0747	-1.2977	0.21577	0.42547	-5.4469	7703
PSAPL1	-6.2594	6.2594	8.4171	-1.2977	0.2158	0.42548	-5.447	768239
TIGIT	-0.12645	0.12645	0.25815	-1.2971	0.216	0.42582	-5.4478	201633
ZNF784	-0.47152	0.47152	1.575	-1.297	0.21603	0.42582	-5.4478	147808
FKBP1A-SDCBP2	0.22068	0.22068	0.34009	1.2967	0.21613	0.42597	-5.4482	1.01E+08
GFM2	0.42482	0.42482	2.3707	1.2962	0.21628	0.42623	-5.4488	84340
PRAM1	-0.13458	0.13458	0.32596	-1.2961	0.21631	0.42623	-5.4489	84106
FANCM	-0.16657	0.16657	0.69454	-1.2959	0.21638	0.42632	-5.4491	57697
LY6G6C	13.31	13.31	15.254	1.2958	0.21641	0.42633	-5.4492	80740

E2F5	-0.10427	0.10427	0.253	-1.2957	0.21645	0.42635	-5.4494	1875
EIF3E	15.484	15.484	53.355	1.2956	0.21648	0.42635	-5.4495	3646
STXBP1	1.0169	1.0169	4.3276	1.2955	0.21652	0.42635	-5.4496	6812
ZNF91	-1.5247	1.5247	4.8098	-1.2955	0.21654	0.42635	-5.4497	7644
IL18R1	-0.22218	0.22218	0.85613	-1.2954	0.21654	0.42635	-5.4497	8809
GDF11	-0.30035	0.30035	0.99135	-1.2954	0.21657	0.42635	-5.4498	10220
NLGN3	-0.10216	0.10216	0.17685	-1.2951	0.21666	0.42647	-5.4501	54413
CYP27A1	-1.1878	1.1878	3.0528	-1.295	0.21668	0.42647	-5.4502	1593
DDX19A	-1.1245	1.1245	5.8639	-1.2949	0.21673	0.42647	-5.4504	55308
PRPF38A	-0.90425	0.90425	5.5603	-1.2948	0.21675	0.42647	-5.4504	84950
LGALS4	-0.14625	0.14625	0.22432	-1.2947	0.2168	0.42647	-5.4506	3960
NAA15	1.3152	1.3152	5.1069	1.2947	0.2168	0.42647	-5.4506	80155
HDAC7	-3.5058	3.5058	12.544	-1.2947	0.21681	0.42647	-5.4506	51564
ALG2	0.83264	0.83264	4.135	1.2942	0.21697	0.42668	-5.4512	85365
CHRNA9	0.71392	0.71392	0.62827	1.2941	0.21701	0.42668	-5.4513	55584
MZT1	0.42151	0.42151	1.1903	1.294	0.21701	0.42668	-5.4514	440145
TAS2R46	-0.16819	0.16819	0.31833	-1.294	0.21702	0.42668	-5.4514	259292
CEP170	0.90363	0.90363	3.1337	1.2938	0.21709	0.42675	-5.4516	9859
EIF1AX	1.8149	1.8149	8.2818	1.2937	0.21713	0.42675	-5.4518	1964
SIPA1L1	0.60824	0.60824	3.7036	1.2937	0.21713	0.42675	-5.4518	26037
ARSB	1.0184	1.0184	2.1635	1.2933	0.21727	0.42697	-5.4522	411
THRB	-0.60451	0.60451	1.8328	-1.2926	0.21749	0.42729	-5.453	7068
SYNE1	-0.99579	0.99579	2.9276	-1.2926	0.2175	0.42729	-5.4531	23345
WASHC1	-1.1865	1.1865	3.7561	-1.2925	0.21752	0.42729	-5.4531	1E+08
NDST2	-0.79085	0.79085	6.4075	-1.2925	0.21753	0.42729	-5.4532	8509
COX7A2L	1.6888	1.6888	6.0033	1.2924	0.21755	0.42729	-5.4533	9167

ELOF1	2.9583	2.9583	9.9447	1.2922	0.21763	0.42739	-5.4535	84337
DISC1	-0.17814	0.17814	0.43649	-1.2919	0.21772	0.42739	-5.4539	27185
LOC401021	-0.18101	0.18101	0.40026	-1.2919	0.21774	0.42739	-5.4539	401021
RPL19P12	-0.12167	0.12167	0.2183	-1.2919	0.21775	0.42739	-5.4539	1E+08
SOD2-OT1	-0.09347	0.093468	0.17347	-1.2918	0.21776	0.42739	-5.454	1E+08
LINC02021	-0.10208	0.10208	0.15748	-1.2918	0.21776	0.42739	-5.454	1.05E+08
ZNF503-AS1	-0.11871	0.11871	0.28399	-1.2917	0.21779	0.42741	-5.4541	253264
INTS1	-2.6745	2.6745	9.107	-1.291	0.21805	0.42775	-5.455	26173
ODF3L1	-0.11441	0.11441	0.17402	-1.291	0.21805	0.42775	-5.455	161753
TELO2	-1.4827	1.4827	4.2671	-1.2909	0.21805	0.42775	-5.455	9894
MCTP2	0.43294	0.43294	2.0136	1.2909	0.21807	0.42775	-5.4551	55784
TRA2A	1.6504	1.6504	8.687	1.2904	0.21822	0.428	-5.4556	29896
SNORA16A	-0.38586	0.38586	0.97262	-1.2902	0.21831	0.42812	-5.4559	692073
WDR26	5.0028	5.0028	15.865	1.2898	0.21842	0.4283	-5.4563	80232
TOX2	0.20455	0.20455	0.57767	1.2896	0.2185	0.4284	-5.4566	84969
ELOA3B	-0.09721	0.097213	0.11628	-1.2895	0.21854	0.42842	-5.4567	728929
APC2	-0.16644	0.16644	0.28451	-1.2894	0.21856	0.42842	-5.4568	10297
SCNM1	0.84289	0.84289	3.5175	1.2893	0.21861	0.42845	-5.457	79005
FRRS1	-0.4064	0.4064	2.6754	-1.2892	0.21865	0.42845	-5.4571	391059
HARS2	-0.63396	0.63396	3.7862	-1.2892	0.21865	0.42845	-5.4571	23438
AFDN	2.1219	2.1219	10.447	1.289	0.21872	0.42854	-5.4574	4301
E2F3	0.56881	0.56881	1.6903	1.2887	0.21882	0.42865	-5.4577	1871
PTPRD	0.55122	0.55122	0.90214	1.2886	0.21883	0.42865	-5.4578	5789
RPS15A	166.86	166.86	372.79	1.2885	0.21888	0.42869	-5.4579	6210
HUWE1	-3.2432	3.2432	19.649	-1.2883	0.21893	0.42873	-5.4581	10075
PSPC1	-0.4073	0.4073	3.0985	-1.2882	0.21897	0.42873	-5.4582	55269

WBP11	-1.8562	1.8562	9.1057	-1.2882	0.21898	0.42873	-5.4583	51729
SRRM3	0.87424	0.87424	1.557	1.2881	0.21902	0.42873	-5.4584	222183
HCAR2	3.0501	3.0501	5.885	1.2881	0.21902	0.42873	-5.4584	338442
SORL1	1.1668	1.1668	3.0693	1.288	0.21906	0.42874	-5.4585	6653
GYG2	-0.15096	0.15096	0.29702	-1.2878	0.21912	0.42883	-5.4588	8908
ZNF860	0.14403	0.14403	0.60965	1.2875	0.2192	0.42893	-5.4591	344787
LRP3	-1.2412	1.2412	3.4169	-1.2872	0.21933	0.42908	-5.4595	4037
RINL	0.28369	0.28369	0.78552	1.2872	0.21933	0.42908	-5.4595	126432
LARS2	-0.52079	0.52079	2.2566	-1.2871	0.21936	0.42908	-5.4596	23395
BNC1	4.8752	4.8752	10.679	1.287	0.21938	0.42908	-5.4597	646
ALMS1-IT1	-0.14402	0.14402	0.26745	-1.2869	0.21943	0.42912	-5.4598	1.01E+08
STAG2	1.3134	1.3134	7.3211	1.2866	0.21952	0.42926	-5.4602	10735
PSMD3	6.9247	6.9247	22.734	1.2864	0.2196	0.42935	-5.4604	5709
DDX50	1.2394	1.2394	5.9047	1.2861	0.21968	0.4294	-5.4607	79009
SCARNA10	-125.87	125.87	365.1	-1.2861	0.2197	0.4294	-5.4608	692148
MYO7A	-0.20306	0.20306	0.33346	-1.2861	0.2197	0.4294	-5.4608	4647
GATC	-0.45394	0.45394	4.1402	-1.286	0.21973	0.4294	-5.4609	283459
ATG4B	-1.2729	1.2729	5.7031	-1.2859	0.21975	0.4294	-5.461	23192
TEAD1	1.0261	1.0261	5.5555	1.2853	0.21997	0.42979	-5.4617	7003
GIMAP8	-1.0756	1.0756	2.4845	-1.2851	0.22004	0.42987	-5.462	155038
CNPY3	-0.8505	0.8505	2.6867	-1.2849	0.2201	0.42992	-5.4622	10695
NR4A3	0.83304	0.83304	1.0697	1.2848	0.22012	0.42992	-5.4623	8013
MUC5B	-0.11024	0.11024	0.17239	-1.2847	0.22017	0.42992	-5.4624	727897
PTCD2	-0.18401	0.18401	1.2087	-1.2847	0.22017	0.42992	-5.4624	79810
TMEM63B	2.3639	2.3639	10.403	1.2843	0.22032	0.43015	-5.463	55362
ZNF469	1.3472	1.3472	1.7489	1.2842	0.22035	0.43015	-5.463	84627

HEATR1	-0.94609	0.94609	4.6073	-1.2841	0.22036	0.43015	-5.4631	55127
ADI1	0.93965	0.93965	4.5777	1.2837	0.2205	0.43037	-5.4636	55256
TBL1X	0.85005	0.85005	4.3151	1.2833	0.22065	0.43042	-5.4641	6907
RABGGTB	1.4274	1.4274	6.3605	1.2832	0.22067	0.43042	-5.4642	5876
LINC00941	0.088881	0.088881	0.10704	1.2832	0.22068	0.43042	-5.4642	1E+08
GFRA2	-0.32284	0.32284	0.58666	-1.2831	0.22069	0.43042	-5.4643	2675
PBX2	-0.18946	0.18946	1.4008	-1.283	0.22073	0.43042	-5.4644	5089
ARHGAP31	-1.0599	1.0599	4.8133	-1.283	0.22074	0.43042	-5.4644	57514
SRD5A1	-1.0906	1.0906	5.4009	-1.283	0.22076	0.43042	-5.4645	6715
SLC35F6	2.765	2.765	14.115	1.2829	0.22077	0.43042	-5.4645	54978
NAA35	-0.36027	0.36027	2.7615	-1.2829	0.22079	0.43042	-5.4646	60560
CADPS2	-0.48885	0.48885	1.4641	-1.2829	0.22079	0.43042	-5.4646	93664
CASC21	-0.08766	0.087663	0.078739	-1.2828	0.2208	0.43042	-5.4646	1.03E+08
YIPF1	1.1901	1.1901	5.0532	1.2827	0.22085	0.43042	-5.4648	54432
PRDX3	4.4234	4.4234	10.678	1.2827	0.22086	0.43042	-5.4648	10935
SNHG26	-0.66473	0.66473	1.2696	-1.2826	0.22088	0.43042	-5.4649	1.1E+08
TMX2-CTNND1	-0.23379	0.23379	0.69529	-1.2825	0.22093	0.43042	-5.4651	1.01E+08
STAG1	-1.1003	1.1003	6.8096	-1.2824	0.22094	0.43042	-5.4651	10274
SPTBN2	-7.001	7.001	21.166	-1.2824	0.22096	0.43042	-5.4652	6712
DHRS1	4.5951	4.5951	15.417	1.281	0.22141	0.43125	-5.4667	115817
ATP5PO	14.364	14.364	40.756	1.2802	0.2217	0.43176	-5.4677	539
CIITA	-1.0833	1.0833	3.029	-1.2799	0.2218	0.43188	-5.4681	4261
VPS8	0.41966	0.41966	3.4079	1.2799	0.22181	0.43188	-5.4681	23355
SNORD9	-0.12332	0.12332	0.088739	-1.2797	0.22187	0.43194	-5.4683	692053
PGRMC1	3.8687	3.8687	12.878	1.2794	0.22197	0.43208	-5.4687	10857
AIM2	0.32953	0.32953	0.4415	1.2792	0.22205	0.43219	-5.4689	9447

SPATA6L	-0.14083	0.14083	0.3676	-1.2791	0.22208	0.43221	-5.4691	55064
STAT2	-3.8024	3.8024	10.912	-1.2787	0.22221	0.43234	-5.4695	6773
TRIM8	-3.6117	3.6117	12.333	-1.2787	0.22222	0.43234	-5.4695	81603
IL23A	-0.09124	0.091235	0.19285	-1.2787	0.22223	0.43234	-5.4696	51561
SLC16A10	-0.72011	0.72011	1.7662	-1.2786	0.22226	0.43235	-5.4697	117247
MSTO1	-0.59012	0.59012	2.5469	-1.2784	0.22232	0.4324	-5.4699	55154
SHPK	0.93161	0.93161	4.0546	1.2783	0.22234	0.4324	-5.4699	23729
DENND4A	-0.56468	0.56468	2.5473	-1.2782	0.22237	0.43242	-5.47	10260
CDO1	-0.17226	0.17226	0.19833	-1.2777	0.22255	0.43268	-5.4707	1036
ADORA2B	-0.76299	0.76299	2.5002	-1.2776	0.2226	0.43268	-5.4708	136
COX20	-0.94559	0.94559	4.7759	-1.2775	0.22263	0.43268	-5.4709	116228
IL6	8.8799	8.8799	9.5241	1.2775	0.22264	0.43268	-5.471	3569
SERPING1	-29.61	29.61	35.336	-1.2774	0.22266	0.43268	-5.4711	710
FAM225B	0.1604	0.1604	0.21512	1.2773	0.22269	0.43268	-5.4712	1E+08
FAM204A	0.97841	0.97841	4.1727	1.2773	0.22269	0.43268	-5.4712	63877
GABRQ	0.1697	0.1697	0.35885	1.2772	0.22271	0.43268	-5.4712	55879
CDCA5	0.83539	0.83539	1.5467	1.277	0.22281	0.43282	-5.4715	113130
TRPV4	-0.3166	0.3166	1.5684	-1.2765	0.22296	0.43306	-5.4721	59341
GLRX	11.14	11.14	11.338	1.2764	0.22299	0.43306	-5.4722	2745
NINJ2	-0.39614	0.39614	1.1428	-1.2764	0.22301	0.43306	-5.4722	4815
DDIAS	0.24398	0.24398	0.48467	1.2763	0.22304	0.43307	-5.4723	220042
MYL5	-0.53259	0.53259	2.3383	-1.276	0.22315	0.43313	-5.4727	4636
ADAMTS18	0.14486	0.14486	0.19622	1.2758	0.22319	0.43313	-5.4729	170692
BRI3BP	0.76589	0.76589	2.7533	1.2758	0.22319	0.43313	-5.4729	140707
MSN	30.574	30.574	73.969	1.2758	0.22322	0.43313	-5.473	4478
SEMA3A	0.24398	0.24398	0.58491	1.2758	0.22322	0.43313	-5.473	10371

LOC106660606	-0.13145	0.13145	0.15679	-1.2757	0.22324	0.43313	-5.473	1.07E+08
RSAD1	-0.90894	0.90894	3.876	-1.2756	0.22326	0.43313	-5.4731	55316
CYTH3	0.86896	0.86896	5.8072	1.2756	0.22328	0.43313	-5.4732	9265
TRMT1	-1.1645	1.1645	4.6479	-1.2755	0.2233	0.43313	-5.4732	55621
BRIX1	1.755	1.755	5.7687	1.2754	0.22336	0.43313	-5.4734	55299
EPC1	-0.44752	0.44752	3.6241	-1.2752	0.22339	0.43313	-5.4736	80314
VCAN	12.232	12.232	16.794	1.2752	0.22342	0.43313	-5.4737	1462
FAM174A	2.7264	2.7264	8.6577	1.275	0.22347	0.43313	-5.4738	345757
NLRC4	0.17986	0.17986	0.29924	1.2748	0.22353	0.43313	-5.474	58484
PRRX2	1.6227	1.6227	7.0291	1.2748	0.22355	0.43313	-5.4741	51450
ATXN10	1.3507	1.3507	6.6323	1.2748	0.22356	0.43313	-5.4741	25814
SCNN1G	1.0213	1.0213	2.3554	1.2747	0.22359	0.43313	-5.4742	6340
RPP30	-0.33985	0.33985	1.3559	-1.2747	0.2236	0.43313	-5.4743	10556
PIGW	0.48377	0.48377	1.9496	1.2746	0.22361	0.43313	-5.4743	284098
EPHX3	10.089	10.089	18.32	1.2746	0.22361	0.43313	-5.4743	79852
POLR1D	2.5435	2.5435	10.002	1.2746	0.22361	0.43313	-5.4743	51082
SAMD5	0.24591	0.24591	0.53647	1.2746	0.22363	0.43313	-5.4744	389432
LATS1	-0.57744	0.57744	3.3569	-1.2742	0.22374	0.43328	-5.4747	9113
SPA17	0.39955	0.39955	1.0081	1.2741	0.22377	0.43331	-5.4749	53340
HIPK2	1.6353	1.6353	6.6281	1.2741	0.2238	0.43331	-5.475	28996
RMRP	-887.58	887.58	2172.9	-1.2738	0.22391	0.43342	-5.4753	6023
RAB11FIP3	-1.2568	1.2568	3.7721	-1.2737	0.22391	0.43342	-5.4753	9727
CLP1	0.5982	0.5982	2.8462	1.2734	0.22402	0.43357	-5.4757	10978
LOC101927972	0.51236	0.51236	1.1997	1.2732	0.22412	0.43372	-5.476	1.02E+08
GFPT1	0.87388	0.87388	3.3283	1.2731	0.22415	0.43373	-5.4761	2673
SNRPA1	1.9308	1.9308	7.63	1.2729	0.22419	0.43373	-5.4763	6627

SIGLEC17P	-0.14349	0.14349	0.2976	-1.2729	0.2242	0.43373	-5.4763	284367
RPL24	91.918	91.918	263.78	1.2728	0.22424	0.43376	-5.4764	6152
ABCB10	0.49319	0.49319	2.4879	1.2724	0.22439	0.43399	-5.4769	23456
HNRNPH3	-1.2745	1.2745	6.8097	-1.2722	0.22444	0.43404	-5.4771	3189
SAA2	-2.4597	2.4597	1.4059	-1.2718	0.22458	0.43423	-5.4776	6289
P2RY1	1.6666	1.6666	5.3985	1.2717	0.22461	0.43423	-5.4777	5028
CXCL13	2.6277	2.6277	2.2492	1.2716	0.22464	0.43423	-5.4778	10563
ZSWIM7	-0.37979	0.37979	2.0554	-1.2716	0.22465	0.43423	-5.4779	125150
EFNB1	4.4486	4.4486	16.576	1.2716	0.22467	0.43423	-5.4779	1947
MOCS3	0.3733	0.3733	1.7201	1.2713	0.22476	0.43434	-5.4782	27304
HOPX	33.719	33.719	69.501	1.2712	0.22479	0.43434	-5.4783	84525
DNM1P41	-0.54923	0.54923	1.5495	-1.2711	0.22484	0.43434	-5.4785	440299
TSPAN13	0.85293	0.85293	3.1482	1.271	0.22487	0.43434	-5.4786	27075
LYPLAL1	-0.40362	0.40362	1.681	-1.271	0.22487	0.43434	-5.4786	127018
MAP2K2	7.5457	7.5457	27.876	1.271	0.22487	0.43434	-5.4786	5605
HNRNPUL2-BSCL2	-2.5333	2.5333	9.0214	-1.2708	0.22494	0.43442	-5.4788	1.01E+08
KCNG3	-0.08804	0.088035	0.19092	-1.2704	0.22506	0.4346	-5.4792	170850
TPM1	4.3332	4.3332	9.1873	1.2701	0.22515	0.43462	-5.4795	7168
LINC02315	-0.28942	0.28942	0.76601	-1.2701	0.22516	0.43462	-5.4796	644919
ZNF596	-0.15066	0.15066	0.5489	-1.2701	0.22516	0.43462	-5.4796	169270
CHEK1	0.4026	0.4026	1.0284	1.2701	0.22517	0.43462	-5.4796	1111
RIC8A	3.143	3.143	11.613	1.2697	0.22532	0.43484	-5.4801	60626
MAP2K7	-1.4663	1.4663	6.7248	-1.2694	0.2254	0.43495	-5.4804	5609
DCN	-31.142	31.142	87.911	-1.2689	0.2256	0.43529	-5.4811	1634
ZNF823	0.44785	0.44785	1.9888	1.2686	0.22568	0.4354	-5.4813	55552
SOD3	-19.297	19.297	20.822	-1.2683	0.2258	0.43558	-5.4817	6649

CBLN3	-0.29767	0.29767	0.48622	-1.2682	0.22584	0.4356	-5.4819	643866
ARFGAP2	-2.9394	2.9394	13.673	-1.2681	0.22588	0.43563	-5.482	84364
SNORA101B	-0.25666	0.25666	0.30615	-1.2679	0.22592	0.43565	-5.4821	1.07E+08
NDUFV2-AS1	-0.1335	0.1335	0.38286	-1.2676	0.22603	0.43583	-5.4825	1.02E+08
TXNRD2	-0.33741	0.33741	1.3512	-1.2673	0.22612	0.43595	-5.4828	10587
TBL2	0.61065	0.61065	3.3616	1.267	0.22623	0.4361	-5.4832	26608
GAS8	-0.32956	0.32956	1.5364	-1.2667	0.22634	0.43628	-5.4836	2622
TGIF2-RAB5IF	-0.10679	0.10679	0.116	-1.2666	0.22638	0.43629	-5.4837	1.01E+08
BMS1	-0.75562	0.75562	3.8385	-1.2664	0.22645	0.43639	-5.4839	9790
ACOT1	-0.58539	0.58539	0.71542	-1.2663	0.22649	0.43641	-5.4841	641371
ARAF	-1.4079	1.4079	7.6168	-1.2659	0.22662	0.43662	-5.4845	369
MPLKIP	1.4346	1.4346	5.8173	1.2657	0.2267	0.43672	-5.4848	136647
MED9	-0.57974	0.57974	2.6489	-1.2651	0.22691	0.43706	-5.4855	55090
C3orf49	-0.10127	0.10127	0.1543	-1.265	0.22695	0.43711	-5.4856	132200
FAM98B	-0.51519	0.51519	2.0661	-1.2643	0.22719	0.43752	-5.4864	283742
NFKBIL1	-0.17054	0.17054	0.51518	-1.264	0.2273	0.43762	-5.4868	4795
ZNF625-ZNF20	-0.10431	0.10431	0.14049	-1.2639	0.22733	0.43762	-5.4869	1.01E+08
SLC30A1	4.502	4.502	12.051	1.2639	0.22733	0.43762	-5.4869	7779
TSKS	-0.27334	0.27334	0.37546	-1.2637	0.22737	0.43762	-5.487	60385
TLR8	0.38044	0.38044	0.57728	1.2636	0.22744	0.43762	-5.4872	51311
HOTS	-0.19665	0.19665	0.25047	-1.2634	0.22749	0.43762	-5.4874	1.03E+08
RUBCN	0.52453	0.52453	2.8321	1.2634	0.22749	0.43762	-5.4874	9711
LRPAP1	-0.6527	0.6527	2.8489	-1.2634	0.22751	0.43762	-5.4875	4043
LRR8E	1.0714	1.0714	3.6477	1.2633	0.22754	0.43762	-5.4876	80131
OGFR	-2.369	2.369	6.6806	-1.2632	0.22755	0.43762	-5.4876	11054
ZNF701	-0.20683	0.20683	0.83564	-1.2632	0.22755	0.43762	-5.4876	55762

LOC105373656	-0.11116	0.11116	0.17807	-1.2632	0.22756	0.43762	-5.4877	1.05E+08
ABCG2	-0.10279	0.10279	0.26434	-1.2631	0.2276	0.43766	-5.4878	9429
RPL13	-30.405	30.405	129.42	-1.263	0.22763	0.43766	-5.4879	6137
ZNF286A	0.22181	0.22181	1.2919	1.2629	0.22768	0.43771	-5.4881	57335
FAM171A1	-0.76627	0.76627	2.5144	-1.2626	0.22778	0.43782	-5.4884	221061
YIPF6	0.56302	0.56302	3.0935	1.2625	0.22779	0.43782	-5.4884	286451
PRICKLE1	-0.59366	0.59366	2.3391	-1.2624	0.22785	0.43789	-5.4886	144165
UBE2Q1-AS1	-0.10771	0.10771	0.13945	-1.2623	0.22789	0.43791	-5.4888	1.01E+08
LYST	0.97186	0.97186	5.499	1.2621	0.22794	0.43796	-5.4889	1130
SHF	-0.39401	0.39401	1.2839	-1.2619	0.22802	0.43806	-5.4892	90525
SMC5-AS1	-0.17688	0.17688	0.38691	-1.2618	0.22806	0.43808	-5.4893	1.01E+08
REXO5	-0.11055	0.11055	0.39984	-1.2617	0.22808	0.43808	-5.4894	81691
NIPSNAP1	-0.81149	0.81149	4.1339	-1.2611	0.22829	0.43842	-5.4901	8508
MICA	-0.09501	0.095013	0.37949	-1.2611	0.22831	0.43842	-5.4902	1.01E+08
KIF20A	0.75062	0.75062	1.3265	1.2607	0.22845	0.43864	-5.4906	10112
C5orf51	0.64165	0.64165	3.5141	1.2602	0.22862	0.43892	-5.4912	285636
ATP1B3	10.872	10.872	57.028	1.26	0.22867	0.43895	-5.4914	483
AMDHD2	-1.2352	1.2352	3.0806	-1.2598	0.22874	0.43905	-5.4916	51005
SNORA68	-6.7865	6.7865	21.457	-1.2597	0.22878	0.43906	-5.4917	26780
KIF9-AS1	-0.09367	0.093671	0.23339	-1.2595	0.22885	0.43906	-5.4919	285352
MTRF1	0.13445	0.13445	0.83986	1.2595	0.22885	0.43906	-5.492	9617
LOC101927571	-0.09988	0.099878	0.09697	-1.2595	0.22885	0.43906	-5.492	1.02E+08
MAST1	-0.11252	0.11252	0.22681	-1.2594	0.22891	0.43912	-5.4921	22983
NPHP3-ACAD11	-0.19881	0.19881	0.65515	-1.2592	0.22898	0.43915	-5.4924	1.01E+08
PARD6B	0.50011	0.50011	1.2547	1.2591	0.229	0.43915	-5.4924	84612
PCNX2	-0.50962	0.50962	2.13	-1.2591	0.229	0.43915	-5.4925	80003

COX16	1.7084	1.7084	5.3293	1.259	0.22905	0.43917	-5.4926	51241
WDR61	1.9359	1.9359	9.3654	1.2589	0.22906	0.43917	-5.4927	80349
OSMR	3.2112	3.2112	9.2593	1.2588	0.22911	0.43921	-5.4928	9180
FAM122B	-0.37133	0.37133	2.2017	-1.2586	0.22918	0.43929	-5.4931	159090
ZNF549	-0.18156	0.18156	0.88632	-1.2583	0.22927	0.43941	-5.4933	256051
TNFAIP8	0.90009	0.90009	3.297	1.2581	0.22934	0.4395	-5.4936	25816
SLITRK6	-0.24258	0.24258	0.8488	-1.258	0.22937	0.43951	-5.4937	84189
IFI30	15.536	15.536	28.626	1.2579	0.22943	0.43954	-5.4939	10437
ARFGAP3	1.8465	1.8465	6.43	1.2578	0.22944	0.43954	-5.4939	26286
SLC25A46	0.78748	0.78748	4.1377	1.2575	0.22956	0.43968	-5.4943	91137
BID	1.0622	1.0622	2.2471	1.2575	0.22957	0.43968	-5.4943	637
MFAP5	-3.3956	3.3956	5.5955	-1.2573	0.22962	0.43974	-5.4945	8076
LOC102724450	-0.09718	0.097177	0.071575	-1.2569	0.22975	0.43994	-5.495	1.03E+08
ZFAT-AS1	-0.12361	0.12361	0.23264	-1.2567	0.22983	0.44002	-5.4952	594840
REN	0.36147	0.36147	0.34829	1.2565	0.2299	0.44011	-5.4954	5972
LINC02261	-0.1019	0.1019	0.24055	-1.2564	0.22996	0.44016	-5.4956	1.02E+08
RNASEL	-0.35812	0.35812	1.2003	-1.2563	0.22999	0.44016	-5.4957	6041
TDO2	1.3744	1.3744	1.086	1.2562	0.23002	0.44016	-5.4958	6999
ARHGAP8	0.46511	0.46511	1.1069	1.2561	0.23005	0.44016	-5.4959	23779
C13orf42	-0.08905	0.089046	0.10763	-1.2561	0.23005	0.44016	-5.4959	647166
AGAP7P	-0.13595	0.13595	0.33439	-1.256	0.23008	0.44017	-5.496	653268
SP100	-1.3362	1.3362	3.7463	-1.2559	0.23013	0.44021	-5.4962	6672
FAHD1	1.128	1.128	3.624	1.2557	0.23018	0.44021	-5.4964	81889
PIGM	-0.18154	0.18154	1.42	-1.2557	0.23018	0.44021	-5.4964	93183
ZNF714	-0.1888	0.1888	0.66891	-1.2554	0.23028	0.44034	-5.4967	148206
SMARCA5	1.231	1.231	4.9288	1.2547	0.23053	0.44077	-5.4975	8467

CHCHD3	0.89576	0.89576	4.1845	1.2543	0.23069	0.44102	-5.498	54927
NFASC	-0.49138	0.49138	1.3898	-1.254	0.23078	0.44115	-5.4983	23114
P4HA1	2.0287	2.0287	5.4627	1.2535	0.23098	0.44149	-5.499	5033
CCND3	-1.3378	1.3378	4.7617	-1.2531	0.2311	0.44167	-5.4994	896
PCED1B-AS1	-0.11369	0.11369	0.26998	-1.253	0.23114	0.44169	-5.4995	1E+08
LOC100505938	-0.08402	0.084017	0.091086	-1.2525	0.23131	0.44197	-5.5001	1.01E+08
RFTN2	0.48844	0.48844	0.96234	1.2522	0.23144	0.44213	-5.5005	130132
PDE12	0.35066	0.35066	2.4046	1.2521	0.23145	0.44213	-5.5005	201626
HMGN5	-0.19594	0.19594	0.46056	-1.2518	0.23155	0.44228	-5.5009	79366
ANO9	-2.6301	2.6301	7.273	-1.2517	0.23159	0.44231	-5.501	338440
THEMIS	-0.09158	0.091579	0.16355	-1.2511	0.2318	0.44265	-5.5017	387357
GUSBP9	-1.6505	1.6505	4.0527	-1.2511	0.23183	0.44265	-5.5018	1E+08
EIF1AD	0.79008	0.79008	5.3047	1.2504	0.23205	0.44302	-5.5025	84285
RPL36AL	15.476	15.476	49.141	1.2489	0.2326	0.44402	-5.5043	6166
SIT1	-0.1674	0.1674	0.36345	-1.2487	0.23266	0.44406	-5.5045	27240
JPT2	3.275	3.275	10.487	1.2487	0.23267	0.44406	-5.5045	90861
KRT80	38.177	38.177	73.663	1.2486	0.2327	0.44406	-5.5046	144501
MRPL22	0.54571	0.54571	1.9318	1.2485	0.23272	0.44406	-5.5047	29093
DDA1	0.98543	0.98543	4.9487	1.2484	0.23277	0.44411	-5.5049	79016
ANKRD65	-0.51276	0.51276	1.0146	-1.2483	0.23282	0.44415	-5.505	441869
NAXE	3.4065	3.4065	13.458	1.2477	0.23301	0.44446	-5.5056	128240
CCDC184	0.12698	0.12698	0.23486	1.2473	0.23316	0.44465	-5.5061	387856
EIF2B4	1.3892	1.3892	6.2419	1.2473	0.23316	0.44465	-5.5061	8890
GOT2	4.0465	4.0465	14.867	1.247	0.23326	0.44478	-5.5065	2806
SHKBP1	2.4927	2.4927	9.2834	1.247	0.23328	0.44478	-5.5065	92799
PLPP7	0.37115	0.37115	0.58735	1.2465	0.23344	0.44497	-5.507	84814

ACTA2-AS1	-0.48523	0.48523	0.77105	-1.2465	0.23346	0.44497	-5.5071	1E+08
KLC1	2.5343	2.5343	16.534	1.2465	0.23346	0.44497	-5.5071	3831
LINC01397	-0.28775	0.28775	0.4169	-1.246	0.23363	0.44514	-5.5076	1.04E+08
CTTN	10.357	10.357	40.145	1.246	0.23363	0.44514	-5.5076	2017
SELENOP	-10.076	10.076	29.902	-1.246	0.23363	0.44514	-5.5076	6414
CSF3R	1.663	1.663	2.0989	1.2459	0.23367	0.44516	-5.5078	1441
LOC100130283	0.30798	0.30798	1.0196	1.2458	0.23369	0.44516	-5.5078	1E+08
LRRCC1	-0.20488	0.20488	0.6343	-1.2456	0.23375	0.44522	-5.508	85444
MAP2K1	2.2257	2.2257	7.7373	1.2455	0.2338	0.44527	-5.5082	5604
CCDC192	-0.08723	0.087228	0.089168	-1.2453	0.23388	0.44537	-5.5085	728586
SPATA13-AS1	-0.14448	0.14448	0.16679	-1.245	0.23396	0.44547	-5.5087	1.01E+08
CAPN6	-0.26368	0.26368	0.28449	-1.2446	0.23413	0.44574	-5.5093	827
TMEM241	0.42558	0.42558	1.9793	1.2443	0.23422	0.44585	-5.5096	85019
SMURF2P1-LRRC37BP1	-0.29669	0.29669	1.8212	-1.2443	0.23424	0.44585	-5.5096	1.07E+08
ODF3	-0.08135	0.081354	0.075369	-1.244	0.23432	0.44593	-5.5099	113746
ETFRF1	0.97854	0.97854	2.7011	1.2439	0.23438	0.44593	-5.5101	144363
EVI2A	0.76464	0.76464	1.3575	1.2438	0.23439	0.44593	-5.5101	2123
HS6ST1	-3.211	3.211	9.829	-1.2438	0.2344	0.44593	-5.5101	9394
KCNMB3	-0.10698	0.10698	0.23307	-1.2438	0.23441	0.44593	-5.5102	27094
PAIP1	1.9182	1.9182	7.6997	1.2434	0.23453	0.44604	-5.5106	10605
BTN3A3	-0.85483	0.85483	2.1594	-1.2434	0.23454	0.44604	-5.5106	10384
PEX26	-0.98802	0.98802	4.6133	-1.2434	0.23455	0.44604	-5.5106	55670
BAIAP2L2	0.27886	0.27886	0.62598	1.2428	0.23477	0.4464	-5.5113	80115
C1QTNF12	-0.14011	0.14011	0.39825	-1.2427	0.2348	0.44641	-5.5114	388581
KLC2	1.1438	1.1438	4.4767	1.2424	0.2349	0.44651	-5.5117	64837
CLASP1	1.1906	1.1906	7.6564	1.2424	0.23491	0.44651	-5.5118	23332

FST	0.93961	0.93961	1.7807	1.2419	0.23508	0.44679	-5.5123	10468
JMJD4	-0.90123	0.90123	3.0474	-1.2415	0.23523	0.44702	-5.5128	65094
RECQL4	-0.39263	0.39263	1.1258	-1.2414	0.23527	0.44705	-5.5129	9401
HELQ	-0.17842	0.17842	1.2552	-1.241	0.23539	0.44723	-5.5133	113510
SLC25A5	19.519	19.519	69.396	1.2409	0.23543	0.44725	-5.5134	292
PCDH18	1.8122	1.8122	3.4398	1.2409	0.23545	0.44725	-5.5135	54510
ZFH3	-0.91679	0.91679	3.0158	-1.2407	0.23552	0.44728	-5.5137	463
ZNF568	-0.13109	0.13109	0.46103	-1.2407	0.23552	0.44728	-5.5138	374900
FBXL19-AS1	0.16096	0.16096	0.38172	1.2405	0.23559	0.44735	-5.514	283932
DDX41	2.0595	2.0595	10.184	1.2404	0.23561	0.44735	-5.514	51428
LOC729291	-0.08887	0.088866	0.19689	-1.2403	0.23565	0.44737	-5.5142	729291
BBX	-0.54436	0.54436	3.0822	-1.2402	0.23571	0.44743	-5.5143	56987
PJA2	2.4564	2.4564	13.911	1.24	0.23577	0.44743	-5.5145	9867
CWC22	0.69687	0.69687	3.3487	1.2399	0.23579	0.44743	-5.5146	57703
PAPOLA	1.7745	1.7745	8.1194	1.2399	0.23581	0.44743	-5.5147	10914
ZNF300P1	0.10079	0.10079	0.28839	1.2398	0.23583	0.44743	-5.5147	134466
TPM1-AS	-0.76132	0.76132	1.4556	-1.2398	0.23584	0.44743	-5.5148	1.11E+08
PA2G4	7.685	7.685	29.554	1.2396	0.23591	0.4475	-5.515	5036
IFIT3	-4.2838	4.2838	4.1727	-1.2388	0.23621	0.44803	-5.5159	3437
PRC1	1.3388	1.3388	4.0622	1.2378	0.23655	0.44863	-5.517	9055
ZNF234	-0.19774	0.19774	1.0574	-1.2375	0.23668	0.44882	-5.5174	10780
JUND	6.059	6.059	31.954	1.2372	0.23678	0.44896	-5.5178	3727
TDRD10	-0.1763	0.1763	0.35711	-1.237	0.23684	0.44902	-5.518	126668
NRSN2-AS1	-0.12194	0.12194	0.38151	-1.2369	0.23687	0.44904	-5.5181	1.01E+08
LINC02560	6.1821	6.1821	10.949	1.2364	0.23705	0.44933	-5.5186	1.11E+08
DTNA	-0.18368	0.18368	0.35134	-1.2363	0.23711	0.44939	-5.5188	1837

CCR5	0.23213	0.23213	0.43108	1.2359	0.23725	0.44961	-5.5193	1234
LOC105379194	-0.18964	0.18964	0.47795	-1.2354	0.23741	0.44986	-5.5198	1.05E+08
SLC39A7	0.64202	0.64202	2.2656	1.2352	0.23749	0.44996	-5.52	7922
DSCC1	0.25406	0.25406	0.59133	1.235	0.23756	0.45004	-5.5203	79075
BCAP29	0.63072	0.63072	2.3181	1.2348	0.23762	0.4501	-5.5204	55973
TEK	0.87332	0.87332	2.3074	1.2346	0.23771	0.45022	-5.5207	7010
RNF139	0.82168	0.82168	4.3109	1.2345	0.23776	0.45026	-5.5209	11236
TMUB2	-0.61194	0.61194	4.3076	-1.2342	0.23786	0.45033	-5.5212	79089
PIP4K2C	1.8394	1.8394	7.4655	1.2342	0.23786	0.45033	-5.5212	79837
CENPX	2.1241	2.1241	7.7192	1.2341	0.23787	0.45033	-5.5213	201254
OSBPL9	0.92881	0.92881	4.5387	1.2337	0.23802	0.45051	-5.5217	114883
LBHD1	-0.21516	0.21516	0.75319	-1.2337	0.23803	0.45051	-5.5217	79081
MSR1	1.5722	1.5722	1.9622	1.2335	0.2381	0.4506	-5.522	4481
TRAT1	-0.0833	0.083297	0.13282	-1.2333	0.23817	0.45068	-5.5222	50852
ACSS3	-0.51015	0.51015	0.80816	-1.2329	0.23834	0.45094	-5.5227	79611
RCN1	6.7751	6.7751	14.612	1.2327	0.2384	0.45094	-5.5229	5954
IFI27	-43.733	43.733	52.739	-1.2327	0.23841	0.45094	-5.5229	3429
SNHG22	0.17522	0.17522	0.42231	1.2326	0.23844	0.45094	-5.5231	1.03E+08
LOC101928120	-0.24096	0.24096	0.92447	-1.2325	0.23845	0.45094	-5.5231	1.02E+08
CTBP1-DT	-0.52505	0.52505	2.0108	-1.2325	0.23847	0.45094	-5.5231	92070
ARHGAP6	-0.281	0.281	0.60999	-1.2323	0.23855	0.45104	-5.5234	395
NUDT4B	0.92595	0.92595	2.7986	1.2321	0.23863	0.45115	-5.5236	440672
C19orf53	4.0685	4.0685	14.069	1.232	0.23866	0.45116	-5.5237	28974
LOC643072	-0.18207	0.18207	0.61151	-1.2317	0.23875	0.45123	-5.524	643072
PIP4P1	1.5415	1.5415	6.6439	1.2317	0.23875	0.45123	-5.524	90809
CDR1	-30.335	30.335	75.386	-1.2315	0.23883	0.45132	-5.5243	1038

NME2	30.043	30.043	79.197	1.2311	0.23898	0.45155	-5.5247	4831
FETUB	5.6932	5.6932	3.7383	1.2308	0.23907	0.45168	-5.525	26998
SNORA74B	-2.0278	2.0278	2.7772	-1.2305	0.23919	0.45185	-5.5254	677841
ZNF700	-0.69293	0.69293	3.1865	-1.2304	0.23923	0.45188	-5.5255	90592
AMFR	2.7147	2.7147	14.103	1.2303	0.23927	0.45191	-5.5257	267
ACAP1	-0.31566	0.31566	1.2568	-1.2302	0.23931	0.45193	-5.5258	9744
SUSD3	-0.1377	0.1377	0.30287	-1.2299	0.2394	0.45204	-5.5261	203328
RNF128	-0.34955	0.34955	0.89761	-1.2295	0.23955	0.45228	-5.5265	79589
ARPC1B	12.947	12.947	26.986	1.229	0.23973	0.45245	-5.5271	10095
CD47	2.664	2.664	10.822	1.229	0.23975	0.45245	-5.5272	961
GOT1	1.4215	1.4215	5.3997	1.2289	0.23978	0.45245	-5.5273	2805
DENND2D	1.9914	1.9914	5.1011	1.2289	0.23978	0.45245	-5.5273	79961
STK24	5.4856	5.4856	21.763	1.2288	0.2398	0.45245	-5.5273	8428
RNF148	-0.11905	0.11905	0.2018	-1.2286	0.23986	0.45245	-5.5275	378925
WBP2	4.7523	4.7523	20.822	1.2286	0.23987	0.45245	-5.5276	23558
MINDY4	-0.26578	0.26578	1.2022	-1.2286	0.23987	0.45245	-5.5276	84182
GPSM2	-1.4566	1.4566	7.2688	-1.2286	0.23988	0.45245	-5.5276	29899
CSE1L	2.6267	2.6267	10.215	1.2283	0.24	0.45262	-5.528	1434
LOC283299	-0.3136	0.3136	0.65314	-1.2281	0.24005	0.45262	-5.5281	283299
SSU72	5.5152	5.5152	21.347	1.2281	0.24005	0.45262	-5.5281	29101
SRC	2.0207	2.0207	6.9609	1.2281	0.24007	0.45262	-5.5282	6714
TCEANC2	-0.15284	0.15284	0.78188	-1.2277	0.24021	0.45273	-5.5286	127428
CERS3-AS1	-0.17047	0.17047	0.43435	-1.2277	0.24023	0.45273	-5.5287	1.03E+08
ROCK1	1.4243	1.4243	6.4401	1.2276	0.24023	0.45273	-5.5287	6093
CMTM6	3.2851	3.2851	13.304	1.2275	0.2403	0.45273	-5.5289	54918
POLR2J3	1.3442	1.3442	5.3652	1.2273	0.24034	0.45273	-5.529	548644

LOC100131626	-0.09491	0.094911	0.24617	-1.2272	0.24038	0.45273	-5.5291	1E+08
SNX15	1.524	1.524	6.7706	1.2272	0.24039	0.45273	-5.5292	29907
STIM2	0.56682	0.56682	3.4432	1.2272	0.2404	0.45273	-5.5292	57620
PIFO	-0.08824	0.088241	0.1462	-1.2271	0.24042	0.45273	-5.5293	128344
BHLHE40	11.556	11.556	45.415	1.2271	0.24043	0.45273	-5.5293	8553
TAPT1	-0.21105	0.21105	1.3896	-1.2271	0.24043	0.45273	-5.5293	202018
RPS6KA2-IT1	-0.11019	0.11019	0.1668	-1.227	0.24047	0.45276	-5.5294	1.01E+08
SERPINA12	-14.178	14.178	20.922	-1.2267	0.24059	0.45292	-5.5298	145264
R3HCC1	-1.2663	1.2663	5.0538	-1.2265	0.24063	0.45292	-5.5299	203069
ZBTB26	-0.18037	0.18037	0.86199	-1.2265	0.24064	0.45292	-5.53	57684
SENP6	-0.66178	0.66178	4.7255	-1.2263	0.24071	0.45298	-5.5302	26054
ACTR3C	-0.14227	0.14227	0.43949	-1.2263	0.24072	0.45298	-5.5302	653857
IQCE	-0.39432	0.39432	1.5785	-1.226	0.24084	0.45315	-5.5306	23288
KANK2	-3.1119	3.1119	7.8586	-1.2259	0.24088	0.45317	-5.5307	25959
SNORD97	-6.9119	6.9119	4.1954	-1.2257	0.24092	0.4532	-5.5308	692223
FLRT2	0.89442	0.89442	2.6481	1.2255	0.24101	0.45332	-5.5311	23768
SAYSD1	-0.23904	0.23904	1.1491	-1.2254	0.24106	0.45337	-5.5313	55776
ATXN2	-0.41814	0.41814	3.3761	-1.2251	0.24117	0.45352	-5.5316	6311
LIN52	-0.23476	0.23476	1.2879	-1.2249	0.24124	0.45355	-5.5318	91750
FER	0.49162	0.49162	2.2789	1.2248	0.24126	0.45355	-5.5319	2241
ABALON	-0.15656	0.15656	0.93974	-1.2248	0.24127	0.45355	-5.5319	1.03E+08
LOC101927817	-0.28719	0.28719	0.79747	-1.2245	0.24139	0.45373	-5.5323	1.02E+08
BCS1L	-0.75841	0.75841	3.4612	-1.2242	0.2415	0.45388	-5.5326	617
CEP152	0.1644	0.1644	0.67111	1.224	0.24154	0.45391	-5.5328	22995
NOP16	1.6702	1.6702	6.7014	1.2236	0.24171	0.45418	-5.5333	51491
SF3B5	10.741	10.741	29.847	1.2234	0.24177	0.45421	-5.5335	83443

TMBIM1	13.487	13.487	43.179	1.2234	0.24178	0.45421	-5.5335	64114
SMAD7	0.5926	0.5926	3.2707	1.2232	0.24184	0.45426	-5.5337	4092
OARD1	-0.54125	0.54125	2.0676	-1.2229	0.24195	0.45443	-5.534	221443
LAYN	0.49328	0.49328	1.0354	1.2228	0.24198	0.45443	-5.5342	143903
ENTPD2	-0.27618	0.27618	1.236	-1.2228	0.242	0.45443	-5.5342	954
HAX1	4.5385	4.5385	15.319	1.2225	0.2421	0.45454	-5.5345	10456
C2orf81	-0.17878	0.17878	0.42585	-1.2225	0.24212	0.45454	-5.5346	388963
PANK2	-0.27869	0.27869	2.4812	-1.2224	0.24215	0.45454	-5.5347	80025
TRIB2	-1.2597	1.2597	3.8299	-1.2223	0.24219	0.45457	-5.5348	28951
FAM71F2	-0.10549	0.10549	0.26404	-1.2222	0.24222	0.45457	-5.5349	346653
PITPNB	2.481	2.481	10.249	1.2221	0.24224	0.45457	-5.535	23760
ZNF491	-0.13052	0.13052	0.35104	-1.222	0.24231	0.4546	-5.5352	126069
ATP5ME	13.962	13.962	37.824	1.2219	0.24231	0.4546	-5.5352	521
LUZP1	1.1414	1.1414	6.6249	1.2218	0.24235	0.45462	-5.5353	7798
VSIG10	-0.32972	0.32972	1.3564	-1.2217	0.2424	0.45466	-5.5354	54621
MMP19	1.4201	1.4201	3.0955	1.2216	0.24242	0.45466	-5.5355	4327
EXD2	-0.25974	0.25974	1.918	-1.2213	0.24256	0.45487	-5.536	55218
LINC02158	-0.1546	0.1546	0.36831	-1.2202	0.24293	0.45547	-5.5371	729083
ERCC6	-0.28902	0.28902	2.1161	-1.2202	0.24294	0.45547	-5.5371	2074
RPL18	-58.052	58.052	274.58	-1.2201	0.243	0.45554	-5.5373	6141
TUBA4B	0.10779	0.10779	0.14664	1.2197	0.24314	0.45576	-5.5378	80086
CD276	5.5532	5.5532	14.317	1.2195	0.24322	0.45585	-5.538	80381
CD80	0.16942	0.16942	0.30766	1.2188	0.24346	0.45626	-5.5387	941
SPEG	-0.60263	0.60263	0.88915	-1.2187	0.24351	0.45627	-5.5389	10290
JDP2	-0.61522	0.61522	2.6846	-1.2186	0.24353	0.45627	-5.5389	122953
HMGXB4	0.53497	0.53497	3.3306	1.2186	0.24355	0.45627	-5.539	10042

AGPAT2	4.1024	4.1024	13.497	1.2184	0.24362	0.45635	-5.5392	10555
TMEM37	-0.65599	0.65599	2.0104	-1.2182	0.2437	0.45641	-5.5395	140738
LOC101928626	-0.07744	0.077441	0.078468	-1.2181	0.24371	0.45641	-5.5395	1.02E+08
TMEM47	0.80782	0.80782	1.8045	1.2178	0.24382	0.45657	-5.5398	83604
SNX8	-0.86519	0.86519	2.2823	-1.2175	0.24393	0.45673	-5.5402	29886
VPS25	4.7135	4.7135	13.948	1.2174	0.24397	0.45674	-5.5403	84313
C2orf27A	0.20457	0.20457	0.62533	1.2172	0.24406	0.45686	-5.5406	29798
TEX2	2.3955	2.3955	8.7933	1.2171	0.24409	0.45686	-5.5407	55852
UPF3B	-0.30764	0.30764	1.5435	-1.2168	0.24419	0.45696	-5.541	65109
NATD1	-0.58637	0.58637	2.6455	-1.2168	0.2442	0.45696	-5.541	256302
ZNF605	-0.20499	0.20499	0.93214	-1.2166	0.24427	0.45696	-5.5412	1E+08
ANKRD62P1-PARP4P3	-0.09504	0.095043	0.12736	-1.2166	0.24428	0.45696	-5.5413	23783
EIF5A2	0.17481	0.17481	0.45859	1.2166	0.24429	0.45696	-5.5413	56648
GPD2	-0.84658	0.84658	3.3246	-1.2165	0.2443	0.45696	-5.5413	2820
UBAC2	1.9062	1.9062	8.7589	1.2162	0.24443	0.45714	-5.5417	337867
EMD	3.514	3.514	15.245	1.2157	0.24461	0.45744	-5.5423	2010
CIZ1	-2.469	2.469	11.327	-1.2153	0.24474	0.45763	-5.5427	25792
FCHSD1	8.8964	8.8964	16.902	1.2152	0.24478	0.45766	-5.5428	89848
GPR4	0.95297	0.95297	1.6834	1.2148	0.24495	0.45791	-5.5433	2828
SLC12A9	-1.0138	1.0138	3.8388	-1.2146	0.24499	0.45795	-5.5434	56996
PLXNB1	-3.5073	3.5073	12.145	-1.2142	0.24517	0.45823	-5.544	5364
CEP295NL	-0.31541	0.31541	0.57039	-1.214	0.24525	0.45832	-5.5442	1.01E+08
APPL2	5.7566	5.7566	15.153	1.2138	0.2453	0.45838	-5.5444	55198
PRF1	-0.34971	0.34971	0.54797	-1.2136	0.24537	0.45843	-5.5446	5551
ASB2	0.23688	0.23688	0.40452	1.2136	0.24539	0.45843	-5.5446	51676
FADS1	1.4768	1.4768	2.8952	1.2135	0.24542	0.45844	-5.5447	3992

HR	-4.9677	4.9677	15.947	-1.2133	0.24551	0.45856	-5.545	55806
ERI3	-2.1586	2.1586	8.1799	-1.2131	0.24556	0.45861	-5.5452	79033
MFSD6	3.7041	3.7041	11.578	1.213	0.2456	0.45862	-5.5453	54842
LDHAL6A	-0.08167	0.081668	0.11502	-1.2127	0.2457	0.45872	-5.5456	160287
SCYL1	2.9573	2.9573	12.525	1.2127	0.2457	0.45872	-5.5456	57410
ADAT1	-0.29961	0.29961	2.4072	-1.2126	0.24574	0.45874	-5.5457	23536
TMEM168	-0.4148	0.4148	2.3975	-1.2123	0.24587	0.45884	-5.5461	64418
DCBLD2	0.62857	0.62857	2.645	1.2123	0.24587	0.45884	-5.5461	131566
MRPL44	0.96588	0.96588	4.2753	1.2123	0.24587	0.45884	-5.5461	65080
FNDC1	6.2165	6.2165	8.0179	1.2121	0.24593	0.45889	-5.5463	84624
TOMM6	6.8525	6.8525	22.495	1.2118	0.24604	0.45903	-5.5466	1E+08
FAM86JP	-0.12031	0.12031	0.45879	-1.2118	0.24606	0.45903	-5.5467	1E+08
KNOP1	-0.49485	0.49485	3.0703	-1.2115	0.24616	0.45918	-5.547	400506
LNX1-AS1	-0.0959	0.095897	0.13093	-1.2113	0.24622	0.45922	-5.5472	1.01E+08
CAVIN2	-0.65824	0.65824	2.3699	-1.2109	0.24637	0.45945	-5.5476	8436
AKNA	-1.0784	1.0784	3.3434	-1.2106	0.24649	0.45963	-5.548	80709
LRRC45	-0.65329	0.65329	1.6445	-1.2105	0.24652	0.45963	-5.5481	201255
STPG1	0.28593	0.28593	1.339	1.2102	0.24665	0.45983	-5.5485	90529
INPP5D	-0.62151	0.62151	1.9753	-1.21	0.2467	0.45987	-5.5486	3635
NOX5	0.087102	0.087102	0.18267	1.2097	0.24684	0.46009	-5.5491	79400
TOX4	2.0695	2.0695	10.618	1.2096	0.24687	0.46009	-5.5492	9878
SHOX2	0.43105	0.43105	0.80822	1.2091	0.24706	0.4604	-5.5497	6474
SNORA13	-0.2412	0.2412	0.21517	-1.209	0.2471	0.46041	-5.5499	654322
TMEM59	2.6294	2.6294	10.378	1.2087	0.2472	0.46055	-5.5502	9528
LRRC40	0.57035	0.57035	2.0182	1.2085	0.24726	0.4606	-5.5503	55631
SNORA58	-0.10898	0.10898	0.16688	-1.2082	0.24737	0.46076	-5.5507	677836

SEMA6C	-0.79414	0.79414	1.7337	-1.208	0.24748	0.4609	-5.551	10500
ABCC1	1.8151	1.8151	8.5978	1.2078	0.24752	0.4609	-5.5511	4363
FAM104B	0.35761	0.35761	1.33	1.2078	0.24753	0.4609	-5.5511	90736
SNORA11B	-0.11573	0.11573	0.14482	-1.2077	0.24756	0.46091	-5.5512	1E+08
TRMT13	-0.23502	0.23502	1.2593	-1.2076	0.2476	0.46093	-5.5514	54482
MEX3C	0.78965	0.78965	4.8455	1.2073	0.24774	0.46114	-5.5518	51320
NDUFAF4	0.34043	0.34043	1.0463	1.2071	0.24779	0.46118	-5.5519	29078
SPRR2E	250.1	250.1	476.29	1.2071	0.24781	0.46118	-5.552	6704
MED29	1.1665	1.1665	6.0786	1.2069	0.24785	0.4612	-5.5521	55588
NCF1	0.87298	0.87298	1.3467	1.2069	0.24789	0.46122	-5.5522	653361
THYN1	-1.0671	1.0671	3.6375	-1.2066	0.24797	0.46133	-5.5525	29087
CEP97	0.14576	0.14576	0.84239	1.2064	0.24807	0.46145	-5.5528	79598
EPB41L4A-DT	-0.23088	0.23088	0.76182	-1.2063	0.2481	0.46146	-5.5529	54508
NAA60	1.0348	1.0348	5.337	1.206	0.24821	0.46161	-5.5532	79903
CDK11B	-1.3149	1.3149	6.104	-1.2052	0.24849	0.46209	-5.5541	984
RAB1B	11.218	11.218	45.357	1.205	0.24857	0.46218	-5.5543	81876
LIPN	2.7652	2.7652	3.6282	1.2049	0.24862	0.46222	-5.5544	643418
RNU6ATAC	-0.25606	0.25606	0.40593	-1.2048	0.24864	0.46222	-5.5545	1E+08
RPP25L	-0.91971	0.91971	2.656	-1.2044	0.24879	0.46239	-5.5549	138716
ATXN3	-0.3632	0.3632	2.513	-1.2044	0.2488	0.46239	-5.555	4287
ABHD4	-1.6819	1.6819	5.3858	-1.2043	0.24885	0.46239	-5.5551	63874
RNF225	4.4708	4.4708	7.6935	1.2043	0.24885	0.46239	-5.5551	646862
MT1E	-7.2743	7.2743	13.782	-1.2042	0.24888	0.46239	-5.5552	4493
CRYGS	-0.19664	0.19664	0.5437	-1.2041	0.24891	0.46241	-5.5553	1427
RASA4B	-1.0479	1.0479	2.0098	-1.2037	0.24906	0.46252	-5.5558	1E+08
P2RY14	-0.24929	0.24929	0.64769	-1.2037	0.24906	0.46252	-5.5558	9934

COX6B1	25.845	25.845	83.825	1.2037	0.24908	0.46252	-5.5558	1340
CCDC58	0.78399	0.78399	2.4046	1.2037	0.24908	0.46252	-5.5558	131076
LGALS8	1.0678	1.0678	5.1991	1.2036	0.24912	0.46252	-5.5559	3964
FUZ	-0.58124	0.58124	1.8051	-1.2035	0.24914	0.46252	-5.556	80199
S1PR3	0.78194	0.78194	1.6091	1.2034	0.24917	0.46253	-5.5561	1903
UBB	23.361	23.361	82.468	1.2033	0.24923	0.46259	-5.5563	7314
TRAF3IP1	-0.35675	0.35675	1.596	-1.203	0.24934	0.46274	-5.5566	26146
MAB21L4	-4.7097	4.7097	9.3376	-1.2029	0.24937	0.46275	-5.5567	79919
B3GALNT2	0.63293	0.63293	4.6524	1.2026	0.24948	0.46291	-5.557	148789
RAB24	4.0353	4.0353	12.497	1.2023	0.24961	0.46309	-5.5574	53917
TMEM192	-0.30483	0.30483	1.5641	-1.2022	0.24964	0.4631	-5.5575	201931
KIAA1586	0.26463	0.26463	0.94559	1.2018	0.24977	0.4633	-5.5579	57691
GOLGA8K	-0.09091	0.090906	0.11913	-1.2017	0.2498	0.4633	-5.558	653125
PELI2	-0.41497	0.41497	1.2073	-1.2016	0.24984	0.46331	-5.5581	57161
TRAPPC8	0.79886	0.79886	5.2151	1.2015	0.2499	0.46331	-5.5583	22878
PTTG3P	-0.11464	0.11464	0.15022	-1.2014	0.24991	0.46331	-5.5583	26255
HDAC3	2.0472	2.0472	10.166	1.2014	0.24992	0.46331	-5.5583	8841
CANT1	2.7041	2.7041	8.3837	1.2013	0.24997	0.46335	-5.5585	124583
DGCR11	-0.27485	0.27485	1.3611	-1.201	0.25009	0.46353	-5.5589	25786
AAK1	0.21162	0.21162	2.231	1.2006	0.25022	0.46368	-5.5592	22848
GOLGA6L17P	-0.10434	0.10434	0.1473	-1.2006	0.25023	0.46368	-5.5593	642402
NSUN5	-0.78078	0.78078	3.1381	-1.2005	0.25027	0.46371	-5.5594	55695
UBE2L6	-3.0352	3.0352	6.8296	-1.2004	0.2503	0.46371	-5.5595	9246
TYW5	-0.17668	0.17668	0.80442	-1.2003	0.25033	0.46371	-5.5595	129450
CLSTN3	-1.3778	1.3778	3.7747	-1.2001	0.25041	0.46381	-5.5598	9746
SHLD1	0.17241	0.17241	0.52296	1.2	0.25045	0.46382	-5.5599	149840

FBXO28	1.7874	1.7874	6.1669	1.2	0.25047	0.46382	-5.56	23219
FAM161A	-0.08813	0.088129	0.29676	-1.1993	0.25072	0.46423	-5.5607	84140
RASSF1	1.2104	1.2104	5.3991	1.1991	0.2508	0.4643	-5.561	11186
KIAA0754	-0.89185	0.89185	4.2627	-1.1991	0.25081	0.4643	-5.561	643314
CRYZL1	-0.52027	0.52027	2.5663	-1.199	0.25084	0.4643	-5.5611	9946
ALG5	1.6426	1.6426	5.7623	1.1989	0.25086	0.4643	-5.5611	29880
ARL14	0.086519	0.086519	0.098792	1.1987	0.25093	0.46437	-5.5613	80117
TFAP2A	-2.7121	2.7121	14.641	-1.1984	0.25105	0.46449	-5.5617	7020
PLEKHM3	-0.22289	0.22289	2.1498	-1.1984	0.25107	0.46449	-5.5618	389072
DGKI	0.10788	0.10788	0.21501	1.1983	0.25108	0.46449	-5.5618	9162
LOC101927100	-0.14835	0.14835	0.34957	-1.1982	0.25112	0.46451	-5.5619	1.02E+08
LY6E	-28.004	28.004	35.996	-1.1977	0.25133	0.4648	-5.5625	4061
CD36	17.84	17.84	17.365	1.1976	0.25135	0.4648	-5.5626	948
PSMD5	1.1787	1.1787	5.994	1.1975	0.25138	0.4648	-5.5627	5711
ATF6	1.001	1.001	6.1681	1.1974	0.25142	0.4648	-5.5628	22926
C8orf34-AS1	0.13793	0.13793	0.24685	1.1974	0.25143	0.4648	-5.5628	286189
SRGAP2C	-0.43473	0.43473	1.735	-1.1974	0.25144	0.4648	-5.5629	653464
PVT1	-0.53183	0.53183	1.4791	-1.1973	0.25148	0.46483	-5.563	5820
BBOX1	3.3926	3.3926	6.9048	1.1968	0.25166	0.46511	-5.5635	8424
ZBTB49	-0.13109	0.13109	0.74547	-1.1965	0.25175	0.46523	-5.5638	166793
THAP7	-0.88595	0.88595	3.8184	-1.1963	0.25186	0.46537	-5.5641	80764
NUDT6	-0.19307	0.19307	0.568	-1.1961	0.25193	0.46545	-5.5643	11162
LRRC37B	-0.35143	0.35143	1.8294	-1.1958	0.25203	0.46555	-5.5646	114659
ZNF439	-0.3469	0.3469	1.2372	-1.1958	0.25204	0.46555	-5.5646	90594
LIN9	0.12533	0.12533	0.60557	1.1955	0.25215	0.46571	-5.565	286826
RPP38	0.59751	0.59751	3.17	1.1954	0.2522	0.46574	-5.5651	10557

TECPR1	-0.87975	0.87975	2.6489	-1.1953	0.25224	0.46578	-5.5652	25851
ZNF24	0.75443	0.75443	5.4402	1.1951	0.25232	0.46585	-5.5655	7572
AP1B1	4.7668	4.7668	18.654	1.195	0.25235	0.46585	-5.5656	162
LAPTM5	11.112	11.112	19.221	1.1949	0.25236	0.46585	-5.5656	7805
COMMD6	2.2789	2.2789	5.6688	1.1946	0.25249	0.46599	-5.566	170622
CYP7B1	0.709	0.709	2.9622	1.1946	0.2525	0.46599	-5.566	9420
STEAP3	-0.79382	0.79382	2.4157	-1.1944	0.25256	0.46606	-5.5662	55240
SLC39A9	1.0788	1.0788	7.2471	1.1942	0.25263	0.46615	-5.5664	55334
SLC25A26	-0.36609	0.36609	2.0685	-1.1941	0.25267	0.46616	-5.5665	115286
MOB3B	-0.50365	0.50365	2.6458	-1.1938	0.25279	0.4663	-5.5668	79817
PHETA2	0.9955	0.9955	3.0649	1.1937	0.25284	0.4663	-5.567	150368
AURKAIP1	5.6975	5.6975	18.818	1.1936	0.25285	0.4663	-5.567	54998
C15orf61	-0.39077	0.39077	1.7546	-1.1936	0.25286	0.4663	-5.567	145853
SLC25A3	15.828	15.828	59.061	1.1935	0.25289	0.46632	-5.5672	5250
PRKCQ-AS1	0.099393	0.099393	0.22617	1.1933	0.25297	0.46641	-5.5674	439949
FUOM	0.728	0.728	1.9001	1.1931	0.25304	0.46649	-5.5676	282969
ATL3	3.1468	3.1468	14.841	1.1927	0.2532	0.46672	-5.568	25923
TOMM34	0.65923	0.65923	2.8514	1.1926	0.25326	0.46679	-5.5682	10953
EPHB6	-10.5	10.5	17.269	-1.1923	0.25336	0.46693	-5.5685	2051
LOC102723566	-0.40553	0.40553	0.89604	-1.1916	0.25362	0.46735	-5.5693	1.03E+08
PSMB1	10.69	10.69	36.013	1.1915	0.25367	0.4674	-5.5695	5689
NUP153	1.3859	1.3859	8.4043	1.1913	0.25372	0.46744	-5.5696	9972
ZNF649	-0.29916	0.29916	1.6529	-1.1909	0.25388	0.46764	-5.5701	65251
IFT27	-1.0675	1.0675	3.1462	-1.1909	0.25389	0.46764	-5.5701	11020
RBPMS2	-0.40244	0.40244	0.66663	-1.1906	0.25402	0.46782	-5.5705	348093
SNHG1	1.6174	1.6174	7.8593	1.1905	0.25404	0.46782	-5.5705	23642

SNX13	0.37815	0.37815	2.5276	1.1904	0.25408	0.46783	-5.5706	23161
RAB4B	1.569	1.569	4.9522	1.1902	0.25417	0.46792	-5.5709	53916
SMC1A	-0.952	0.952	4.7047	-1.1901	0.25418	0.46792	-5.5709	8243
DYM	-0.60416	0.60416	4.4766	-1.19	0.25424	0.46799	-5.5711	54808
HSPB9	-0.11878	0.11878	0.15843	-1.1899	0.25428	0.46801	-5.5712	94086
PABPC1L	-0.21646	0.21646	0.78283	-1.1895	0.25441	0.4682	-5.5716	80336
GLUD1P2	-0.08765	0.08765	0.10725	-1.1894	0.25445	0.46822	-5.5717	414212
ALOX15	-0.09113	0.091129	0.12758	-1.1893	0.2545	0.46824	-5.5719	246
PEBP4	-0.11805	0.11805	0.11469	-1.1892	0.25452	0.46824	-5.5719	157310
ERO1B	-0.20464	0.20464	0.7463	-1.189	0.25461	0.46836	-5.5722	56605
TMED8	-0.25222	0.25222	1.7762	-1.1889	0.25465	0.46838	-5.5723	283578
RNASET2	-2.5708	2.5708	6.5566	-1.1882	0.25493	0.46882	-5.5731	8635
TRA2B	1.9425	1.9425	8.8594	1.188	0.25498	0.46882	-5.5733	6434
SLC22A1	-0.09011	0.090108	0.17704	-1.188	0.25499	0.46882	-5.5733	6580
KDELR1	9.4553	9.4553	36.646	1.188	0.255	0.46882	-5.5733	10945
TMEM202-AS1	-0.10673	0.10673	0.25211	-1.1879	0.25503	0.46882	-5.5734	1.05E+08
NEDD1	0.43274	0.43274	2.138	1.1877	0.25512	0.46894	-5.5737	121441
TBC1D3L	0.095507	0.095507	0.21427	1.1876	0.25515	0.46894	-5.5738	1.01E+08
SRGAP1	0.43604	0.43604	1.6409	1.1874	0.25521	0.469	-5.5739	57522
MED11	1.3699	1.3699	4.9776	1.1873	0.25525	0.46902	-5.5741	400569
LOC101929897	0.21718	0.21718	0.32415	1.1871	0.25534	0.46905	-5.5743	1.02E+08
NMRAL2P	-0.38888	0.38888	1.2811	-1.187	0.25538	0.46905	-5.5744	344887
TSPAN5	1.6062	1.6062	5.0508	1.187	0.25538	0.46905	-5.5744	10098
INCA1	-0.13928	0.13928	0.41114	-1.1869	0.25542	0.46905	-5.5745	388324
PTPRZ1	-1.8624	1.8624	9.188	-1.1869	0.25542	0.46905	-5.5745	5803
LOC100507564	-0.08353	0.083526	0.18338	-1.1868	0.25544	0.46905	-5.5746	1.01E+08

TMEM126B	0.63027	0.63027	2.1073	1.1868	0.25546	0.46905	-5.5747	55863
TSPAN2	0.25084	0.25084	0.65426	1.1862	0.2557	0.46937	-5.5754	10100
TESPA1	-0.08564	0.085644	0.21162	-1.1861	0.25571	0.46937	-5.5754	9840
RHBDF1	-0.96119	0.96119	6.5485	-1.1861	0.25572	0.46937	-5.5754	64285
ITPRID2	6.6917	6.6917	20.674	1.186	0.25574	0.46937	-5.5755	6744
MRPL37	3.3569	3.3569	14.803	1.1859	0.25581	0.46944	-5.5757	51253
FGD5	-1.4259	1.4259	4.0372	-1.1854	0.25598	0.4697	-5.5762	152273
DOLPP1	0.77867	0.77867	3.2931	1.1852	0.25605	0.46977	-5.5764	57171
BST2	-4.0945	4.0945	5.2197	-1.1851	0.25609	0.46981	-5.5765	684
MRS2	0.34513	0.34513	2.5757	1.185	0.25616	0.46987	-5.5767	57380
ARNT	-0.926	0.926	7.1639	-1.1845	0.25633	0.47015	-5.5772	405
CMPK2	-1.1849	1.1849	1.0369	-1.1843	0.25641	0.47023	-5.5774	129607
FARP2	-0.46947	0.46947	4.118	-1.1841	0.2565	0.47028	-5.5777	9855
MEF2D	-1.3202	1.3202	7.1518	-1.184	0.25651	0.47028	-5.5777	4209
SDS	0.40552	0.40552	0.48001	1.184	0.25653	0.47028	-5.5778	10993
STX5	2.2308	2.2308	10.972	1.1839	0.25654	0.47028	-5.5778	6811
IWS1	1.0756	1.0756	6.0072	1.1838	0.25659	0.47032	-5.578	55677
E2F6	0.25337	0.25337	1.6442	1.1836	0.25666	0.47035	-5.5781	1876
CNN1	-3.1292	3.1292	5.1257	-1.1836	0.25669	0.47035	-5.5782	1264
GON7	0.60799	0.60799	1.5428	1.1835	0.25671	0.47035	-5.5783	84520
KIAA1217	2.0537	2.0537	9.2282	1.1835	0.25672	0.47035	-5.5783	56243
JMJD7	-1.785	1.785	7.2574	-1.1834	0.25677	0.47038	-5.5785	1E+08
DIO1	-0.07716	0.077159	0.11279	-1.1832	0.25682	0.47041	-5.5786	1733
FCGRT	-6.6399	6.6399	17.048	-1.1829	0.25696	0.47063	-5.579	2217
OR2AE1	-0.12698	0.12698	0.19684	-1.1827	0.25701	0.47066	-5.5791	81392
TEPP	0.14891	0.14891	0.2714	1.1827	0.25703	0.47066	-5.5792	374739

TENT5C	-0.23411	0.23411	0.56329	-1.1826	0.25706	0.47066	-5.5793	54855
AQP1	-18.101	18.101	49.669	-1.1824	0.25713	0.47071	-5.5795	358
LINC00266-1	-0.29578	0.29578	0.60458	-1.1823	0.25716	0.47071	-5.5796	140849
MYL3	-0.15886	0.15886	0.30968	-1.1823	0.25717	0.47071	-5.5796	4634
CDKN1B	-1.3006	1.3006	7.9329	-1.1822	0.25722	0.47075	-5.5798	1027
DONSON	0.30963	0.30963	1.8615	1.1818	0.25735	0.47089	-5.5801	29980
SIGLEC9	0.43388	0.43388	0.69726	1.1818	0.25738	0.47089	-5.5802	27180
ACTG1P20	-0.17551	0.17551	0.66113	-1.1818	0.25738	0.47089	-5.5802	644961
DNA2	0.15386	0.15386	0.51003	1.1816	0.25743	0.47092	-5.5804	1763
DND1	-0.27667	0.27667	1.3914	-1.1816	0.25745	0.47092	-5.5804	373863
BIRC6-AS2	-0.22941	0.22941	0.65352	-1.1813	0.25754	0.47103	-5.5807	1.04E+08
RASAL2	0.35087	0.35087	3.8581	1.1811	0.25763	0.47115	-5.581	9462
KLB	-0.09315	0.093153	0.24904	-1.1808	0.25773	0.47128	-5.5812	152831
CKAP5	1.7026	1.7026	8.2334	1.1805	0.25787	0.47138	-5.5816	9793
SUMF1	1.6662	1.6662	8.0156	1.1804	0.25791	0.47138	-5.5817	285362
CCDC130	-0.78441	0.78441	4.6032	-1.1803	0.25794	0.47138	-5.5818	81576
LINC00106	-0.26634	0.26634	0.41719	-1.1802	0.25797	0.47138	-5.5819	751580
CERS2	4.3312	4.3312	14.067	1.1802	0.25797	0.47138	-5.5819	29956
SARAF	3.3094	3.3094	24.628	1.1801	0.25802	0.47138	-5.5821	51669
ANO6	1.6995	1.6995	6.8813	1.1801	0.25803	0.47138	-5.5821	196527
FOXD2-AS1	-0.15199	0.15199	0.26131	-1.18	0.25807	0.47138	-5.5822	84793
RPL27	58.27	58.27	184.41	1.18	0.25808	0.47138	-5.5822	6155
CDC6	0.59436	0.59436	1.1573	1.1799	0.25809	0.47138	-5.5823	990
LOC101927969	-0.1597	0.1597	0.22751	-1.1799	0.2581	0.47138	-5.5823	1.02E+08
CAPNS2	8.2086	8.2086	19.401	1.1796	0.2582	0.47152	-5.5826	84290
MIA3	-0.69754	0.69754	3.713	-1.1795	0.25826	0.47156	-5.5828	375056

YIPF2	2.1478	2.1478	8.258	1.1792	0.25835	0.47156	-5.583	78992
DIAPH1	6.7991	6.7991	21.559	1.1792	0.25835	0.47156	-5.583	1729
NOL9	-0.58721	0.58721	3.4985	-1.1792	0.25836	0.47156	-5.583	79707
KRT16P2	0.92071	0.92071	1.2988	1.1791	0.25839	0.47156	-5.5831	400578
CCL2	14.706	14.706	21.782	1.179	0.25843	0.47156	-5.5833	6347
MID2	1.2324	1.2324	3.9205	1.179	0.25844	0.47156	-5.5833	11043
NDUFC2	1.7799	1.7799	5.7875	1.179	0.25844	0.47156	-5.5833	4718
CHIC2	2.5234	2.5234	8.7773	1.1788	0.25853	0.47163	-5.5835	26511
LMO3	-0.0948	0.094796	0.12357	-1.1785	0.25863	0.47163	-5.5838	55885
TRIM65	-0.59751	0.59751	3.4623	-1.1785	0.25864	0.47163	-5.5839	201292
FOXJ2	-0.75921	0.75921	5.0265	-1.1784	0.25867	0.47163	-5.5839	55810
TPRN	-0.88573	0.88573	3.0075	-1.1783	0.2587	0.47163	-5.584	286262
BIRC5	1.0614	1.0614	2.1048	1.1783	0.25872	0.47163	-5.5841	332
CTSZ	10.385	10.385	24.378	1.1783	0.25872	0.47163	-5.5841	1522
SNRPN	-0.40964	0.40964	1.6086	-1.1783	0.25872	0.47163	-5.5841	6638
PLA2G4D	15.384	15.384	19.597	1.1782	0.25873	0.47163	-5.5841	283748
SUCLG2	-1.4004	1.4004	6.4537	-1.178	0.25883	0.47175	-5.5844	8801
ARHGEF10L	-1.7985	1.7985	7.841	-1.1776	0.25897	0.47195	-5.5848	55160
ARID1A	-1.3961	1.3961	9.9129	-1.1773	0.25909	0.47213	-5.5851	8289
SH3BGRL	2.4677	2.4677	9.1328	1.1772	0.25915	0.47214	-5.5853	6451
RABAC1	12.21	12.21	30.461	1.1771	0.25916	0.47214	-5.5853	10567
FAAP100	-1.3916	1.3916	4.5951	-1.177	0.25921	0.4722	-5.5855	80233
NEU2	4.4383	4.4383	6.8222	1.1769	0.25926	0.47223	-5.5856	4759
MRM1	-0.34999	0.34999	0.82131	-1.1766	0.25936	0.47235	-5.5859	79922
PCBP4	1.2614	1.2614	5.4727	1.1765	0.2594	0.47237	-5.586	57060
ING3	0.27592	0.27592	1.3184	1.1764	0.25945	0.47237	-5.5862	54556

RPL17	72.787	72.787	210.8	1.1763	0.25947	0.47237	-5.5862	6139
TTC4	0.79208	0.79208	3.4622	1.1763	0.25948	0.47237	-5.5862	7268
CAMK1G	0.081684	0.081684	0.13111	1.1759	0.25965	0.47264	-5.5867	57172
KLHL17	-0.32708	0.32708	1.0319	-1.1756	0.25976	0.47277	-5.587	339451
ASGR2	-0.15111	0.15111	0.3199	-1.1754	0.25984	0.47284	-5.5873	433
LINC00482	0.093063	0.093063	0.21004	1.1754	0.25985	0.47284	-5.5873	284185
CASC1	-0.07892	0.078918	0.078732	-1.1752	0.25991	0.47289	-5.5875	55259
TYMS	1.9519	1.9519	4.2166	1.175	0.25997	0.47291	-5.5876	7298
DYNLRB1	2.7111	2.7111	12.95	1.175	0.25998	0.47291	-5.5877	83658
LOC100506804	-0.08718	0.087178	0.13628	-1.1749	0.26002	0.47291	-5.5878	1.01E+08
BACH1	1.4852	1.4852	9.4167	1.1749	0.26003	0.47291	-5.5878	571
OXCT1	2.7887	2.7887	7.0389	1.1745	0.26018	0.47309	-5.5882	5019
SNORA14B	-0.39889	0.39889	0.53485	-1.1745	0.2602	0.47309	-5.5883	677802
CTDNEP1	5.7728	5.7728	27.284	1.1744	0.26021	0.47309	-5.5883	23399
NPR3	-0.79268	0.79268	2.547	-1.1743	0.26025	0.47312	-5.5884	4883
LOC340090	-0.08536	0.085361	0.089203	-1.1741	0.26033	0.47316	-5.5887	340090
GRAPL	-0.11247	0.11247	0.27501	-1.174	0.26038	0.47316	-5.5888	400581
DENND4B	-1.0198	1.0198	3.5487	-1.174	0.26039	0.47316	-5.5888	9909
RHPN1	-0.51438	0.51438	0.7386	-1.1739	0.26042	0.47316	-5.5889	114822
LINC01679	-0.24939	0.24939	0.68296	-1.1739	0.26042	0.47316	-5.5889	1.02E+08
PHLDA3	3.3782	3.3782	10.736	1.1738	0.26045	0.47316	-5.589	23612
SCEL	8.425	8.425	20.289	1.1735	0.26056	0.47331	-5.5893	8796
NUTF2	1.912	1.912	7.3626	1.1733	0.26064	0.47337	-5.5896	10204
ASDURF	0.22849	0.22849	0.27569	1.1733	0.26064	0.47337	-5.5896	1.11E+08
FBXO10	0.72906	0.72906	2.1163	1.173	0.26076	0.47353	-5.5899	26267
GBA2	3.7509	3.7509	10.653	1.1729	0.26079	0.47353	-5.59	57704

COL8A1	1.4314	1.4314	2.5395	1.1726	0.2609	0.47368	-5.5903	1295
LOC104054148	-0.07992	0.079922	0.090552	-1.1726	0.26093	0.47369	-5.5904	1.04E+08
EPN3	9.023	9.023	14.383	1.1724	0.26098	0.47372	-5.5905	55040
CCT7	8.2471	8.2471	29.839	1.1723	0.26103	0.47376	-5.5906	10574
LOC100652758	-0.14023	0.14023	0.42573	-1.1721	0.26112	0.47387	-5.5909	1.01E+08
ZNF100	-0.23605	0.23605	0.83451	-1.172	0.26115	0.47387	-5.591	163227
GGCX	0.26429	0.26429	2.5897	1.1718	0.26121	0.47394	-5.5912	2677
USP46-AS1	-0.29535	0.29535	0.95127	-1.1714	0.26139	0.47422	-5.5917	643783
EDC3	-0.47359	0.47359	4.1459	-1.1713	0.26143	0.47422	-5.5918	80153
GGTA1P	-0.99492	0.99492	2.5823	-1.1711	0.26148	0.47422	-5.5919	2681
EML6	0.23532	0.23532	1.0804	1.1711	0.2615	0.47422	-5.592	400954
IGLON5	0.18577	0.18577	0.52355	1.1711	0.2615	0.47422	-5.592	402665
MAGEF1	-1.1608	1.1608	4.7715	-1.1708	0.2616	0.47435	-5.5923	64110
GMNN	0.95009	0.95009	2.4613	1.1706	0.26168	0.47444	-5.5925	51053
ARHGEF3-AS1	-0.09863	0.098625	0.15607	-1.1704	0.26176	0.47453	-5.5927	1.01E+08
SYNGAP1	-0.37089	0.37089	1.1055	-1.1703	0.26182	0.47456	-5.5929	8831
HTR2A	0.12664	0.12664	0.17168	1.1702	0.26183	0.47456	-5.5929	3356
MRPL1	0.83333	0.83333	2.7887	1.1697	0.26206	0.47491	-5.5935	65008
LINC01117	-0.13754	0.13754	0.19405	-1.1695	0.26213	0.47497	-5.5938	1.03E+08
MAX	-1.2411	1.2411	8.4502	-1.1694	0.26214	0.47497	-5.5938	4149
THEM6	-0.7879	0.7879	2.6989	-1.1691	0.26226	0.47512	-5.5941	51337
APOL2	-1.8048	1.8048	3.4272	-1.1691	0.26229	0.47512	-5.5942	23780
SUGP1	-0.85931	0.85931	4.1021	-1.1688	0.2624	0.47528	-5.5945	57794
NADK2	-0.37237	0.37237	1.8613	-1.1686	0.26247	0.47535	-5.5947	133686
NDUFA1	12.244	12.244	32.169	1.1682	0.26264	0.47561	-5.5952	4694
IFNK	-0.19113	0.19113	0.51914	-1.168	0.26271	0.47564	-5.5954	56832

TAS1R3	-0.21415	0.21415	0.49291	-1.168	0.26271	0.47564	-5.5954	83756
HJURP	0.44453	0.44453	0.87176	1.1678	0.26277	0.47566	-5.5956	55355
DEGS1	-20.376	20.376	53.079	-1.1678	0.26278	0.47566	-5.5956	8560
SCARNA8	-0.12044	0.12044	0.10901	-1.1677	0.26282	0.47568	-5.5957	677776
ST6GALNAC1	0.21458	0.21458	0.57176	1.1674	0.26292	0.47582	-5.596	55808
AGL	-0.36313	0.36313	2.4023	-1.1672	0.26301	0.47593	-5.5962	178
ZNF416	0.3719	0.3719	1.9971	1.1669	0.26314	0.47611	-5.5966	55659
PPP2R5E	0.58684	0.58684	3.5614	1.1665	0.26328	0.47631	-5.597	5529
RPL7L1	1.8305	1.8305	8.5343	1.1662	0.26339	0.47647	-5.5973	285855
RAB2B	0.56935	0.56935	3.1805	1.1656	0.26363	0.47683	-5.598	84932
OTUB2	5.2464	5.2464	6.087	1.1656	0.26365	0.47683	-5.598	78990
KCNQ1OT1	-0.56888	0.56888	1.8841	-1.1653	0.26374	0.47691	-5.5983	10984
EMCN	0.82526	0.82526	2.043	1.1653	0.26375	0.47691	-5.5983	51705
YJU2	-0.86299	0.86299	4.5687	-1.1651	0.26382	0.47695	-5.5985	55702
NKIRAS2	2.174	2.174	9.3196	1.1651	0.26383	0.47695	-5.5985	28511
METTL27	-0.19379	0.19379	0.43397	-1.1649	0.2639	0.47702	-5.5987	155368
AKR1B1	2.402	2.402	6.6249	1.1647	0.26399	0.47713	-5.599	231
CCL14	-7.1167	7.1167	13.779	-1.1646	0.26405	0.4772	-5.5992	6358
CSTF2T	-0.9126	0.9126	3.1165	-1.1644	0.26413	0.47729	-5.5994	23283
LINC00526	-0.15725	0.15725	0.412	-1.1643	0.26416	0.47729	-5.5994	147525
PIGQ	-1.2894	1.2894	4.5648	-1.164	0.26428	0.47747	-5.5998	9091
ZNF384	-0.52319	0.52319	4.7977	-1.1637	0.26439	0.47755	-5.6001	171017
C20orf194	-0.28921	0.28921	3.0242	-1.1637	0.26439	0.47755	-5.6001	25943
SERGEF	-0.64678	0.64678	3.462	-1.1636	0.26444	0.4776	-5.6002	26297
LINC00926	-0.13435	0.13435	0.32992	-1.1633	0.26454	0.47772	-5.6005	283663
HYAL4	0.9658	0.9658	0.80599	1.1632	0.26458	0.47774	-5.6006	23553

PDP1	1.2066	1.2066	3.7924	1.1631	0.26462	0.47776	-5.6007	54704
SMIM29	-1.6149	1.6149	7.1377	-1.1628	0.26476	0.47796	-5.6011	221491
ARHGAP26	-0.2689	0.2689	1.6204	-1.1627	0.26479	0.47797	-5.6012	23092
ZDHHC5	4.2951	4.2951	22.684	1.1626	0.26483	0.47799	-5.6013	25921
SNX30	-0.31973	0.31973	2.497	-1.162	0.26507	0.47837	-5.602	401548
CCT6P3	-0.26605	0.26605	1.2325	-1.1617	0.26518	0.47852	-5.6023	643180
LTF	-18.923	18.923	10.575	-1.1613	0.26531	0.47867	-5.6027	4057
CDH3	24.697	24.697	45.686	1.1613	0.26532	0.47867	-5.6027	1001
LOC105375800	-0.11604	0.11604	0.30905	-1.1611	0.26542	0.47881	-5.603	1.05E+08
ZC3H13	-0.62826	0.62826	3.5398	-1.161	0.26546	0.47882	-5.6031	23091
ACOT2	-0.85172	0.85172	2.6783	-1.1608	0.26553	0.47885	-5.6033	10965
ZDHHC1	-0.68301	0.68301	3.0752	-1.1608	0.26554	0.47885	-5.6033	29800
TNFSF10	2.7312	2.7312	10.259	1.1606	0.26559	0.47885	-5.6034	8743
COL5A1-AS1	0.30672	0.30672	0.32237	1.1606	0.2656	0.47885	-5.6035	414316
IDI2	0.1866	0.1866	0.70478	1.1605	0.26565	0.47885	-5.6036	91734
RRN3P1	-0.21462	0.21462	0.59088	-1.1605	0.26566	0.47885	-5.6036	730092
GBA	8.1282	8.1282	15.206	1.1604	0.26568	0.47885	-5.6037	2629
RDH10-AS1	-0.10038	0.10038	0.23603	-1.1601	0.26579	0.47895	-5.604	1.02E+08
TBC1D3C	-0.47729	0.47729	1.2729	-1.1601	0.26581	0.47895	-5.604	414060
RBMXL1	-0.3328	0.3328	2.4842	-1.16	0.26583	0.47895	-5.6041	494115
GEMIN5	-0.53808	0.53808	2.6076	-1.1598	0.2659	0.47895	-5.6043	25929
BAK1	2.9781	2.9781	8.5868	1.1598	0.26591	0.47895	-5.6043	578
COMMD2	0.70469	0.70469	3.2208	1.1598	0.26592	0.47895	-5.6043	51122
SNX19	-0.84256	0.84256	7.178	-1.1598	0.26593	0.47895	-5.6044	399979
ITPKC	3.9886	3.9886	12.287	1.1596	0.26598	0.479	-5.6045	80271
GADD45B	4.2513	4.2513	12.583	1.1594	0.26606	0.47901	-5.6047	4616

RPS3A	65.476	65.476	208.36	1.1594	0.26606	0.47901	-5.6047	6189
E4F1	-0.86075	0.86075	3.836	-1.1594	0.26608	0.47901	-5.6048	1877
RNF40	-1.3095	1.3095	6.3157	-1.1593	0.2661	0.47901	-5.6048	9810
PDIK1L	-0.24594	0.24594	1.3692	-1.1592	0.26614	0.47902	-5.6049	149420
HOXD8	0.25576	0.25576	0.77003	1.1589	0.26625	0.47918	-5.6053	3234
MANEA	0.29874	0.29874	1.2302	1.1587	0.26634	0.47928	-5.6055	79694
LINC01535	-0.08121	0.081205	0.12069	-1.1586	0.26638	0.4793	-5.6056	1.02E+08
INTS2	-0.24944	0.24944	1.6773	-1.1584	0.26647	0.47941	-5.6059	57508
VKORC1	8.4703	8.4703	22.353	1.1583	0.2665	0.47941	-5.6059	79001
PRKCQ	0.10193	0.10193	0.34989	1.1582	0.26655	0.47944	-5.6061	5588
RC3H1	-0.61045	0.61045	5.1399	-1.1581	0.26657	0.47944	-5.6061	149041
FAM224B	-0.07894	0.078935	0.082677	-1.1579	0.26667	0.4795	-5.6064	401629
MCEMP1	0.49822	0.49822	0.53017	1.1579	0.26668	0.4795	-5.6064	199675
NR1D2	1.3153	1.3153	5.389	1.1579	0.26669	0.4795	-5.6065	9975
EIF2AK2	-1.6559	1.6559	4.1279	-1.1577	0.26676	0.47957	-5.6067	5610
MED27	0.55478	0.55478	3.7444	1.1575	0.26681	0.47957	-5.6068	9442
SCGB3A1	-0.07686	0.076859	0.067163	-1.1575	0.26681	0.47957	-5.6068	92304
FAM214A	1.5253	1.5253	5.1785	1.1572	0.26692	0.47969	-5.6071	56204
TP53I13	1.6704	1.6704	5.6094	1.1571	0.26698	0.47969	-5.6073	90313
SRGAP2B	-0.54388	0.54388	2.4403	-1.1571	0.26699	0.47969	-5.6073	647135
WASF3	-0.35642	0.35642	1.537	-1.1571	0.26699	0.47969	-5.6073	10810
PPARG	-0.22023	0.22023	0.47105	-1.1567	0.26716	0.47993	-5.6078	5468
KCTD20	1.439	1.439	9.8199	1.1565	0.26723	0.48001	-5.608	222658
TUBA1A	7.6069	7.6069	25.934	1.1564	0.26728	0.48004	-5.6081	7846
WDR74	-1.4965	1.4965	6.5127	-1.1563	0.2673	0.48004	-5.6082	54663
PDS5A	1.5299	1.5299	9.3438	1.156	0.2674	0.48017	-5.6084	23244

RPS29	5.101	5.101	15.545	1.1557	0.26755	0.48038	-5.6088	6235
PECR	-0.17453	0.17453	0.6561	-1.1555	0.26762	0.48043	-5.609	55825
UPF1	-2.1984	2.1984	9.159	-1.1554	0.26766	0.48043	-5.6091	5976
BACH1-IT2	-0.29863	0.29863	0.97559	-1.1554	0.26766	0.48043	-5.6091	1.01E+08
TRIP13	0.51848	0.51848	1.031	1.1548	0.2679	0.48082	-5.6098	9319
SLC22A17	-0.66586	0.66586	2.0225	-1.1545	0.26802	0.48098	-5.6101	51310
LOC101927770	-0.14497	0.14497	0.51483	-1.1544	0.26806	0.48099	-5.6102	1.02E+08
PLA2R1	-1.4987	1.4987	7.0016	-1.1542	0.26812	0.48104	-5.6104	22925
FBLN7	-0.68937	0.68937	1.911	-1.1541	0.26817	0.4811	-5.6105	129804
ANKRD36BP2	0.1942	0.1942	0.51778	1.1539	0.26823	0.48112	-5.6107	645784
WARS2-IT1	-0.12302	0.12302	0.25404	-1.1539	0.26826	0.48112	-5.6108	1.04E+08
RPL3	-121.51	121.51	618.25	-1.1538	0.26827	0.48112	-5.6108	6122
RPL36A	16.274	16.274	42.996	1.1537	0.26834	0.48118	-5.611	6173
RAPH1	-0.83303	0.83303	5.6382	-1.1535	0.26842	0.4812	-5.6112	65059
MRPL54	3.9284	3.9284	12.589	1.1535	0.26842	0.4812	-5.6112	116541
FKTN	-0.23641	0.23641	1.2607	-1.1533	0.26849	0.4812	-5.6114	2218
CCDC43	0.72092	0.72092	3.181	1.1533	0.2685	0.4812	-5.6114	124808
TBC1D2	2.4688	2.4688	8.5549	1.1532	0.26853	0.4812	-5.6115	55357
NAV1	1.6787	1.6787	7.4706	1.1531	0.26857	0.4812	-5.6116	89796
DDX43	0.16813	0.16813	0.41956	1.1531	0.26858	0.4812	-5.6117	55510
LOC105371038	-0.15268	0.15268	0.2723	-1.153	0.2686	0.4812	-5.6117	1.05E+08
LINC02586	-0.07858	0.078581	0.078058	-1.153	0.2686	0.4812	-5.6117	1.01E+08
ANAPC1	-0.60683	0.60683	3.6012	-1.1529	0.26865	0.48123	-5.6118	64682
SNORA29	-0.09176	0.091758	0.073623	-1.1526	0.26875	0.48136	-5.6121	677812
INPP4B	0.26744	0.26744	1.1908	1.1525	0.26879	0.48139	-5.6122	8821
LOC101929709	-0.3779	0.3779	1.4335	-1.1519	0.26904	0.48177	-5.6129	1.02E+08

GJB3	5.5217	5.5217	17.968	1.1516	0.26917	0.48196	-5.6133	2707
HOMEZ	-0.41095	0.41095	1.8671	-1.1514	0.26923	0.48201	-5.6134	57594
MYO10	-0.88727	0.88727	4.8246	-1.1513	0.26928	0.48205	-5.6136	4651
IER5L	1.7019	1.7019	4.4152	1.1511	0.26934	0.48211	-5.6137	389792
RHOBTB2	-0.76179	0.76179	1.7441	-1.1507	0.26952	0.48238	-5.6142	23221
TONSL	-0.34854	0.34854	1.0015	-1.1505	0.26958	0.48244	-5.6144	4796
UTP20	-0.58924	0.58924	2.6919	-1.1501	0.26975	0.48267	-5.6149	27340
CETN3	0.54991	0.54991	1.9026	1.15	0.26981	0.48267	-5.615	1070
ZFAT	-0.13528	0.13528	1.0718	-1.1499	0.26982	0.48267	-5.615	57623
RNASE4	-1.0343	1.0343	3.7007	-1.1499	0.26982	0.48267	-5.615	6038
NUDT11	0.10847	0.10847	0.23442	1.1499	0.26985	0.48267	-5.6151	55190
HCN2	0.14672	0.14672	0.42397	1.1497	0.26993	0.48276	-5.6153	610
SLC17A5	0.94213	0.94213	2.9142	1.1494	0.27003	0.48288	-5.6156	26503
EMP1	20.213	20.213	60.083	1.1493	0.27009	0.48294	-5.6158	2012
IKZF3	-0.14369	0.14369	0.37697	-1.1491	0.27016	0.48294	-5.616	22806
LRP2BP	-0.14856	0.14856	0.41111	-1.149	0.27018	0.48294	-5.616	55805
CERNA2	0.86079	0.86079	1.6112	1.149	0.27019	0.48294	-5.6161	642934
RCN3	4.6437	4.6437	9.1308	1.1489	0.27023	0.48294	-5.6162	57333
DDX11L10	-0.08048	0.080476	0.060281	-1.1489	0.27023	0.48294	-5.6162	1E+08
ORC6	0.28597	0.28597	0.84545	1.1488	0.27029	0.48294	-5.6163	23594
UBE2E3	2.1996	2.1996	11.322	1.1487	0.27031	0.48294	-5.6164	10477
SNUPN	-0.6598	0.6598	2.5696	-1.1486	0.27037	0.48294	-5.6165	10073
TGIF1	0.93767	0.93767	4.4182	1.1485	0.2704	0.48294	-5.6166	7050
LOC101928126	-0.08188	0.081884	0.15824	-1.1485	0.27041	0.48294	-5.6166	1.02E+08
MTX3	-0.33219	0.33219	2.1283	-1.1484	0.27042	0.48294	-5.6167	345778
PGD	4.8031	4.8031	16.562	1.1484	0.27044	0.48294	-5.6167	5226

SMNDC1	0.5901	0.5901	4.1281	1.1483	0.27046	0.48294	-5.6168	10285
FUT8-AS1	-0.0756	0.075602	0.1152	-1.148	0.27061	0.4831	-5.6172	645431
TBC1D9B	-3.1757	3.1757	16.204	-1.148	0.27061	0.4831	-5.6172	23061
CSPP1	-0.25181	0.25181	1.4826	-1.1476	0.27076	0.48329	-5.6176	79848
HEYL	0.71989	0.71989	1.7354	1.1475	0.27077	0.48329	-5.6176	26508
MYOCD	-0.27817	0.27817	0.38546	-1.1474	0.27084	0.48334	-5.6178	93649
MEG8	0.26642	0.26642	0.43205	1.1473	0.27087	0.48334	-5.6179	79104
VPS26C	0.96462	0.96462	5.0126	1.1472	0.2709	0.48334	-5.618	10311
HOXB3	-0.15945	0.15945	0.36436	-1.1472	0.27093	0.48334	-5.6181	3213
GRINA	-7.8867	7.8867	22.058	-1.1471	0.27094	0.48334	-5.6181	2907
ARSA	0.93413	0.93413	4.1684	1.1469	0.27102	0.4834	-5.6183	410
TMEM161B-AS1	-0.1046	0.1046	0.28438	-1.1469	0.27105	0.4834	-5.6184	1.01E+08
CCDC142	-0.42209	0.42209	1.305	-1.1468	0.27106	0.4834	-5.6184	84865
LILRA2	0.22322	0.22322	0.31965	1.1467	0.27111	0.48342	-5.6185	11027
SMIM25	0.45465	0.45465	0.69921	1.1466	0.27115	0.48342	-5.6187	1.01E+08
TMEM64	-0.56882	0.56882	2.9282	-1.1466	0.27116	0.48342	-5.6187	169200
R3HDM4	6.4883	6.4883	19.891	1.1464	0.27125	0.48348	-5.6189	91300
TCTEX1D4	0.53704	0.53704	1.1928	1.1464	0.27125	0.48348	-5.6189	343521
TBCK	-0.33766	0.33766	1.9254	-1.1462	0.27132	0.48348	-5.6191	93627
APOLD1	0.84044	0.84044	2.4948	1.1461	0.27133	0.48348	-5.6191	81575
NUMB	1.649	1.649	9.6739	1.1461	0.27133	0.48348	-5.6191	8650
ZNF613	0.25774	0.25774	0.86088	1.146	0.27139	0.48352	-5.6193	79898
MPDZ	-0.47468	0.47468	1.7766	-1.1457	0.27149	0.48365	-5.6196	8777
CAMKK2	-0.87504	0.87504	4.529	-1.1457	0.27152	0.48365	-5.6197	10645
C6orf120	0.77467	0.77467	3.5538	1.1456	0.27155	0.48365	-5.6197	387263
GBP2	-2.5626	2.5626	8.4545	-1.1455	0.2716	0.48369	-5.6199	2634

FAM219A	0.68002	0.68002	4.9314	1.1454	0.27163	0.48369	-5.6199	203259
YBX1	12.512	12.512	47.788	1.1452	0.27171	0.48377	-5.6202	4904
ACKR4	1.3725	1.3725	3.2327	1.1451	0.27176	0.48377	-5.6203	51554
PPAN	-1.0714	1.0714	4.455	-1.145	0.27178	0.48377	-5.6203	56342
TLL11	-0.2016	0.2016	0.90083	-1.145	0.27179	0.48377	-5.6204	158135
PAG1	0.38997	0.38997	2.059	1.1448	0.27187	0.48387	-5.6206	55824
MINPP1	0.71682	0.71682	1.8865	1.1447	0.27193	0.4839	-5.6207	9562
MSRB3	1.456	1.456	3.8259	1.1446	0.27195	0.4839	-5.6208	253827
SNORA93	-0.2551	0.2551	0.2759	-1.1445	0.27198	0.4839	-5.6209	1.07E+08
FSCN1	30.451	30.451	66.925	1.1441	0.27214	0.48414	-5.6213	6624
GALE	1.1253	1.1253	3.1373	1.144	0.27218	0.48414	-5.6214	2582
C1orf198	2.2331	2.2331	12.133	1.144	0.27219	0.48414	-5.6215	84886
POLE2	0.20835	0.20835	0.83586	1.1438	0.27228	0.48424	-5.6217	5427
CD3G	-0.1365	0.1365	0.39688	-1.1437	0.27232	0.48426	-5.6218	917
TWINK	-0.3196	0.3196	1.3315	-1.1434	0.27242	0.48435	-5.6221	56652
LINC02202	-0.11018	0.11018	0.24566	-1.1434	0.27243	0.48435	-5.6221	1.02E+08
IRS2	-0.76286	0.76286	3.9256	-1.1431	0.27254	0.48449	-5.6224	8660
C1RL	-2.4325	2.4325	5.5039	-1.143	0.27258	0.48451	-5.6225	51279
PARM1	-1.0858	1.0858	2.9434	-1.1429	0.27263	0.48452	-5.6226	25849
LIMS1-AS1	-0.08581	0.085813	0.21943	-1.1428	0.27266	0.48452	-5.6227	1.06E+08
CTHRC1	9.6585	9.6585	14.37	1.1428	0.27266	0.48452	-5.6227	115908
HMBS	1.1079	1.1079	3.1074	1.1425	0.27281	0.4846	-5.6231	3145
A1BG-AS1	0.15667	0.15667	0.36888	1.1424	0.27283	0.4846	-5.6232	503538
TROAP	0.34133	0.34133	0.86218	1.1424	0.27283	0.4846	-5.6232	10024
MZB1	-0.26064	0.26064	0.33216	-1.1424	0.27285	0.4846	-5.6232	51237
DNASE2	-1.2583	1.2583	5.3365	-1.1423	0.27286	0.4846	-5.6232	1777

SNORA46	-0.12684	0.12684	0.16539	-1.1419	0.27304	0.48487	-5.6237	677827
WSCD1	-0.20935	0.20935	0.33901	-1.1417	0.2731	0.48491	-5.6239	23302
FGF5	-0.15053	0.15053	0.42113	-1.1417	0.27311	0.48491	-5.6239	2250
LINC01181	0.95429	0.95429	0.84364	1.1416	0.27314	0.48491	-5.624	379034
APOBEC3D	-0.19946	0.19946	0.463	-1.1411	0.27335	0.48523	-5.6246	140564
OR4F21	-0.13407	0.13407	0.15296	-1.141	0.2734	0.48523	-5.6247	441308
LSP1	-2.2768	2.2768	7.3584	-1.141	0.27341	0.48523	-5.6247	4046
LRRC1	-0.80021	0.80021	4.3458	-1.1406	0.27357	0.48541	-5.6251	55227
HYLS1	0.23633	0.23633	0.75697	1.1406	0.27357	0.48541	-5.6251	219844
MED24	-1.2737	1.2737	6.0201	-1.14	0.27378	0.48574	-5.6257	9862
ZNF451-AS1	-0.09956	0.099562	0.25696	-1.1396	0.27394	0.48596	-5.6261	1.02E+08
CAST	7.4359	7.4359	35.616	1.1396	0.27397	0.48596	-5.6262	831
CRISPLD1	-0.2847	0.2847	0.76177	-1.1395	0.274	0.48596	-5.6263	83690
SLCO4A1-AS1	-0.20935	0.20935	0.62582	-1.1384	0.27443	0.4866	-5.6274	1E+08
C3orf18	-0.18885	0.18885	0.50748	-1.1384	0.27444	0.4866	-5.6275	51161
ANPEP	4.5977	4.5977	11.233	1.1384	0.27444	0.4866	-5.6275	290
EXOSC8	1.0023	1.0023	3.9404	1.1383	0.27449	0.48663	-5.6276	11340
EXT2	1.6848	1.6848	9.5688	1.1382	0.27451	0.48663	-5.6277	2132
PBLD	-0.1849	0.1849	0.65438	-1.1381	0.27456	0.48666	-5.6278	64081
DHX16	-0.11157	0.11157	0.52043	-1.1379	0.27465	0.48673	-5.628	8449
FBXL16	-1.0008	1.0008	2.7358	-1.1379	0.27466	0.48673	-5.628	146330
NT5DC3	0.21328	0.21328	0.83787	1.1377	0.27473	0.48681	-5.6282	51559
ACLY	4.3169	4.3169	16.596	1.1369	0.27507	0.48727	-5.6291	47
NELFA	-0.86885	0.86885	5.7605	-1.1368	0.27508	0.48727	-5.6292	7469
FKBPL	0.41638	0.41638	0.7523	1.1368	0.27508	0.48727	-5.6292	63943
RPUSD2	-0.41803	0.41803	1.8254	-1.1368	0.27511	0.48727	-5.6292	27079

ENOX2	0.4252	0.4252	2.043	1.1366	0.27515	0.4873	-5.6294	10495
MSRB2	0.96441	0.96441	2.7814	1.1365	0.27521	0.48735	-5.6295	22921
MYLK4	-0.08422	0.084224	0.24526	-1.1362	0.27533	0.48742	-5.6298	340156
ADAMTS9-AS1	0.17965	0.17965	0.2494	1.1362	0.27533	0.48742	-5.6298	1.02E+08
MRPL3	3.8685	3.8685	14.204	1.1362	0.27534	0.48742	-5.6299	11222
FGF7	3.0334	3.0334	4.4274	1.1361	0.27539	0.48746	-5.63	2252
EFNB2	1.7407	1.7407	7.1427	1.1359	0.27546	0.48754	-5.6302	1948
CSK	3.0289	3.0289	11.65	1.1357	0.27552	0.4876	-5.6303	1445
SUSD5	-0.25265	0.25265	0.67549	-1.1357	0.27555	0.4876	-5.6304	26032
GLYCTK-AS1	-0.10008	0.10008	0.33004	-1.1355	0.2756	0.48762	-5.6305	1.01E+08
MCAM	10.318	10.318	26.055	1.1353	0.2757	0.48775	-5.6308	4162
FASN	-7.4563	7.4563	24.69	-1.1351	0.27578	0.48785	-5.631	2194
ATG16L2	-2.5151	2.5151	6.2304	-1.135	0.27581	0.48785	-5.6311	89849
ALOX5AP	1.1647	1.1647	2.1861	1.1347	0.27593	0.48801	-5.6314	241
PLTP	-24.843	24.843	31.199	-1.1346	0.27597	0.48804	-5.6315	5360
RPL23	137.89	137.89	390.26	1.1345	0.27603	0.48808	-5.6317	9349
BAG3	6.8353	6.8353	22.552	1.1338	0.27629	0.48849	-5.6324	9531
LRCH3	-0.35667	0.35667	2.185	-1.1337	0.27633	0.48851	-5.6325	84859
IZUMO4	0.28317	0.28317	0.71961	1.1335	0.27641	0.48857	-5.6327	113177
SLC46A3	-0.31367	0.31367	0.96421	-1.1335	0.27644	0.48857	-5.6328	283537
LAMTOR4	-5.4531	5.4531	19.351	-1.1334	0.27645	0.48857	-5.6328	389541
ZNF2	-0.10482	0.10482	0.75761	-1.1331	0.27661	0.4888	-5.6332	7549
AQP5	41.803	41.803	47.572	1.1329	0.27666	0.48883	-5.6333	362
TUBGCP2	0.84433	0.84433	5.7264	1.1326	0.27678	0.48899	-5.6336	10844
SMURF1	1.0429	1.0429	7.1327	1.1324	0.27688	0.48913	-5.6339	57154
SEC14L1	1.0556	1.0556	6.1886	1.1321	0.277	0.48929	-5.6342	6397

TRAPPC2	0.26446	0.26446	1.699	1.132	0.27704	0.4893	-5.6343	6399
NBPF7	-0.13175	0.13175	0.41871	-1.1319	0.27707	0.4893	-5.6344	343505
DDX58	-1.3953	1.3953	3.7927	-1.1318	0.27712	0.4893	-5.6346	23586
VLDLR	0.91717	0.91717	2.8833	1.1318	0.27713	0.4893	-5.6346	7436
SERINC1	5.1604	5.1604	23.235	1.1316	0.27721	0.4894	-5.6348	57515
ZNF513	-0.78232	0.78232	3.3446	-1.1314	0.27728	0.48945	-5.635	130557
GALNT11	-0.92085	0.92085	6.3496	-1.1314	0.27729	0.48945	-5.635	63917
STAU1	2.6049	2.6049	13.583	1.1312	0.27738	0.48954	-5.6352	6780
DEPP1	-12.213	12.213	13.623	-1.131	0.27743	0.48958	-5.6354	11067
NAA16	-0.23807	0.23807	1.5115	-1.1306	0.27761	0.48985	-5.6358	79612
APBB2	-0.53666	0.53666	3.3181	-1.1304	0.27769	0.48994	-5.6361	323
HPRT1	1.3504	1.3504	4.5472	1.1303	0.27774	0.48996	-5.6362	3251
ERCC2	-0.50314	0.50314	2.2895	-1.1302	0.27776	0.48996	-5.6362	2068
FCGR1A	0.93889	0.93889	1.1859	1.13	0.27784	0.49	-5.6364	2209
ZNF131	0.33227	0.33227	2.7692	1.13	0.27784	0.49	-5.6364	7690
GIMAP6	-1.1402	1.1402	3.5734	-1.1295	0.27806	0.49033	-5.637	474344
NDUFA3	5.9343	5.9343	21.934	1.1294	0.27809	0.49034	-5.6371	4696
NUDT3	-1.6768	1.6768	9.3971	-1.1293	0.27814	0.49037	-5.6372	11165
RSAD2	-1.5353	1.5353	1.3016	-1.1291	0.27819	0.49037	-5.6374	91543
NUCB1-AS1	-0.09422	0.094215	0.16297	-1.1291	0.27822	0.49037	-5.6374	1.01E+08
CHMP4B	5.5362	5.5362	25.164	1.129	0.27824	0.49037	-5.6375	128866
CELF1	-0.88939	0.88939	7.0589	-1.129	0.27825	0.49037	-5.6375	10658
KCTD4	1.7375	1.7375	1.87	1.1283	0.27854	0.49083	-5.6383	386618
SLC35C1	0.78889	0.78889	3.0546	1.1276	0.27884	0.4913	-5.6391	55343
PTPN3	-1.901	1.901	5.4997	-1.1275	0.27887	0.49131	-5.6391	5774
INKA2	-0.46745	0.46745	1.8307	-1.1271	0.27903	0.49152	-5.6396	55924

TIGD5	-0.74925	0.74925	2.5423	-1.127	0.27905	0.49152	-5.6396	84948
RTL8B	-0.68349	0.68349	4.1924	-1.1269	0.2791	0.49155	-5.6397	441518
SDSL	0.39874	0.39874	0.56148	1.1267	0.27919	0.49166	-5.64	113675
SLC10A3	2.8503	2.8503	9.5127	1.1266	0.27923	0.49167	-5.6401	8273
VIM	106.14	106.14	247.58	1.1265	0.27927	0.4917	-5.6402	7431
AKAP12	-0.67682	0.67682	1.9129	-1.1264	0.27933	0.49171	-5.6403	9590
ABCD1	-0.46363	0.46363	1.163	-1.1264	0.27933	0.49171	-5.6403	215
STIM1	3.463	3.463	15.891	1.1263	0.27937	0.49172	-5.6404	6786
NIN	0.49717	0.49717	4.3237	1.126	0.27946	0.49182	-5.6407	51199
LOC100128770	-0.60028	0.60028	1.2868	-1.1259	0.27954	0.49182	-5.6409	1E+08
RHBDD1	-0.27513	0.27513	2.4137	-1.1258	0.27955	0.49182	-5.6409	84236
PDE4DIP	-0.52647	0.52647	1.9772	-1.1258	0.27958	0.49182	-5.641	9659
FALEC	0.30289	0.30289	0.50362	1.1257	0.27958	0.49182	-5.641	1.01E+08
EXOC3L2	0.56187	0.56187	1.3241	1.1257	0.2796	0.49182	-5.641	90332
ACOX2	-0.27415	0.27415	0.57382	-1.1253	0.27977	0.49201	-5.6415	8309
MUC1	-2.3002	2.3002	2.2559	-1.1252	0.27979	0.49201	-5.6415	4582
IL20RB	-8.1855	8.1855	25.903	-1.1252	0.2798	0.49201	-5.6415	53833
TIFA	1.3552	1.3552	2.8323	1.1249	0.27992	0.49212	-5.6419	92610
A1BG	0.508	0.508	0.87941	1.1249	0.27995	0.49212	-5.6419	1
PRRX1	7.8328	7.8328	17.831	1.1249	0.27995	0.49212	-5.6419	5396
FAM168A	-0.73245	0.73245	4.2484	-1.1248	0.27998	0.49213	-5.642	23201
CAPNS1	16.64	16.64	45.464	1.1245	0.2801	0.49222	-5.6423	826
RUNDC3B	-0.08752	0.087523	0.23848	-1.1244	0.28012	0.49222	-5.6424	154661
TK1	1.8995	1.8995	4.8172	1.1243	0.28017	0.49222	-5.6425	7083
CYP4F3	0.22475	0.22475	0.87197	1.1243	0.28017	0.49222	-5.6425	4051
CCDC51	1.3242	1.3242	3.6612	1.1243	0.28019	0.49222	-5.6426	79714

STAT4	0.49895	0.49895	0.78818	1.1242	0.28021	0.49222	-5.6426	6775
EYA3	0.48352	0.48352	3.6187	1.1239	0.28034	0.49241	-5.643	2140
POLI	-0.22142	0.22142	0.91206	-1.1238	0.28039	0.49243	-5.6431	11201
RNF216-IT1	-0.08235	0.082351	0.094401	-1.1236	0.28047	0.49252	-5.6433	1.01E+08
ST6GALNAC2	2.5062	2.5062	10.248	1.1235	0.2805	0.49253	-5.6434	10610
CSPG4	1.5093	1.5093	5.6711	1.1234	0.28055	0.49256	-5.6435	1464
TSPAN6	0.39728	0.39728	1.4616	1.1233	0.28058	0.49257	-5.6436	7105
SSX2IP	0.24117	0.24117	0.95907	1.1231	0.28067	0.49268	-5.6438	117178
HSPA12B	-0.89315	0.89315	2.2484	-1.1228	0.28078	0.49282	-5.6441	116835
SLC16A1	4.05	4.05	9.2437	1.1227	0.28084	0.49286	-5.6442	6566
CEP131	-0.42366	0.42366	1.3627	-1.1225	0.28091	0.49294	-5.6444	22994
DNAJC14	-0.74742	0.74742	4.9232	-1.1223	0.28097	0.49301	-5.6446	85406
KHDC4	-0.67576	0.67576	5.102	-1.1222	0.28102	0.49304	-5.6447	22889
MEOX1	0.82228	0.82228	2.6774	1.1214	0.28135	0.49353	-5.6456	4222
FAM83C	6.5568	6.5568	18.763	1.1214	0.28136	0.49353	-5.6456	128876
LSM10	1.9088	1.9088	6.1265	1.1212	0.28146	0.4936	-5.6458	84967
SEC22A	0.41728	0.41728	2.116	1.121	0.28152	0.4936	-5.646	26984
RASGEF1A	0.13704	0.13704	0.44614	1.121	0.28153	0.4936	-5.646	221002
GPR89B	-0.34474	0.34474	1.9372	-1.121	0.28153	0.4936	-5.646	51463
HLA-DRA	7.7683	7.7683	16.879	1.121	0.28155	0.4936	-5.6461	3122
ROM1	-0.23975	0.23975	0.63925	-1.1207	0.28163	0.49369	-5.6463	6094
BRCA2	0.17047	0.17047	0.49507	1.1207	0.28166	0.49369	-5.6464	675
BIN1	0.77247	0.77247	2.5817	1.1205	0.28172	0.49373	-5.6465	274
RNU4ATAC	-0.15585	0.15585	0.2391	-1.1205	0.28174	0.49373	-5.6466	1E+08
PARP9	-1.3232	1.3232	2.8931	-1.1203	0.28181	0.4938	-5.6468	83666
ENOPH1	0.76481	0.76481	5.0925	1.1201	0.2819	0.49387	-5.647	58478

SIPA1	1.0049	1.0049	3.5331	1.1201	0.2819	0.49387	-5.647	6494
PLEK	1.8501	1.8501	3.6636	1.1199	0.28196	0.4939	-5.6471	5341
TMEM106A	-0.33482	0.33482	1.1039	-1.1198	0.28201	0.4939	-5.6473	113277
SNX12	1.7542	1.7542	10.643	1.1198	0.28204	0.4939	-5.6474	29934
ZDHHC2	-0.25304	0.25304	0.7923	-1.1197	0.28204	0.4939	-5.6474	51201
KLHL30	-0.09985	0.099852	0.2119	-1.1197	0.28208	0.49392	-5.6475	377007
TALAM1	110.04	110.04	538.7	1.1195	0.28213	0.49394	-5.6476	1.09E+08
BAHCC1	-0.91939	0.91939	2.1704	-1.1195	0.28215	0.49394	-5.6476	57597
ANKS6	-0.42932	0.42932	1.9227	-1.1194	0.28218	0.49394	-5.6477	203286
FUCA1	-1.3835	1.3835	4.0267	-1.1186	0.28252	0.49445	-5.6486	2517
FAM225A	0.14501	0.14501	0.2919	1.1186	0.28253	0.49445	-5.6486	286333
SLC16A6	0.47718	0.47718	1.5336	1.1184	0.2826	0.49452	-5.6488	9120
AKAP17A	-0.69623	0.69623	2.7919	-1.1183	0.28264	0.49455	-5.6489	8227
LINC02210	0.19124	0.19124	0.86697	1.1181	0.28271	0.49457	-5.6491	147081
TMEM87B	0.80347	0.80347	4.4011	1.1181	0.28272	0.49457	-5.6491	84910
NFATC2	0.69647	0.69647	2.2753	1.1179	0.28281	0.49465	-5.6493	4773
HCK	1.955	1.955	4.0747	1.1179	0.28282	0.49465	-5.6493	3055
TMEM80	0.79417	0.79417	3.6897	1.1177	0.28289	0.49471	-5.6495	283232
IFIT2	-1.4781	1.4781	1.862	-1.1176	0.28291	0.49471	-5.6496	3433
HOXD9	-0.35881	0.35881	1.2438	-1.1174	0.28302	0.49482	-5.6499	3235
MFF	1.2662	1.2662	6.5876	1.1173	0.28304	0.49482	-5.6499	56947
PHLDB2	1.2607	1.2607	5.2453	1.117	0.28316	0.49495	-5.6502	90102
BLM	0.17235	0.17235	0.38232	1.117	0.28317	0.49495	-5.6502	641
KIF17	0.11119	0.11119	0.26464	1.1169	0.28324	0.49502	-5.6504	57576
RSRP1	-0.64053	0.64053	4.0684	-1.1168	0.28327	0.49503	-5.6505	57035
DDIT4L	-0.18459	0.18459	0.2962	-1.1166	0.28334	0.49505	-5.6507	115265

TRMT11	-0.17055	0.17055	0.86066	-1.1166	0.28336	0.49505	-5.6507	60487
SQLE	5.0348	5.0348	17.182	1.1165	0.28338	0.49505	-5.6508	6713
DPEP2	0.17374	0.17374	0.36435	1.1164	0.28343	0.49505	-5.6509	64174
DLEU2L	-0.11203	0.11203	0.32553	-1.1163	0.28345	0.49505	-5.651	79469
ZNF566	-0.14306	0.14306	0.59484	-1.1162	0.28349	0.49505	-5.6511	84924
ITGA8	-0.27404	0.27404	0.63919	-1.1162	0.28351	0.49505	-5.6511	8516
PABPN1	-1.8956	1.8956	11.04	-1.1162	0.28352	0.49505	-5.6511	8106
DRAM2	0.74178	0.74178	3.5737	1.116	0.28359	0.49507	-5.6513	128338
KLK9	19.135	19.135	25.147	1.116	0.28359	0.49507	-5.6513	284366
ZNF574	-0.52959	0.52959	3.0836	-1.1159	0.28363	0.49509	-5.6514	64763
DIAPH2	-0.52248	0.52248	3.1605	-1.1158	0.28366	0.4951	-5.6515	1730
PLA2G15	-0.64416	0.64416	2.7015	-1.1157	0.28369	0.4951	-5.6516	23659
PHLDB1	-2.2339	2.2339	7.1009	-1.1154	0.28382	0.49527	-5.6519	23187
C7orf26	-1.0159	1.0159	5.0323	-1.1147	0.28412	0.49574	-5.6527	79034
SOX2	-0.09439	0.09439	0.13961	-1.1146	0.28418	0.49579	-5.6528	6657
OPTN	2.5626	2.5626	12.294	1.1143	0.28429	0.49589	-5.6531	10133
SIGLEC7	0.17338	0.17338	0.25397	1.1143	0.28429	0.49589	-5.6531	27036
SNORD15A	-0.25047	0.25047	0.754	-1.1142	0.28433	0.49591	-5.6532	6079
NEIL3	0.20509	0.20509	0.43204	1.114	0.28444	0.49603	-5.6535	55247
PAPPA	0.60519	0.60519	1.3933	1.1139	0.28446	0.49603	-5.6535	5069
LINC02247	-0.125	0.125	0.16621	-1.1137	0.28453	0.49606	-5.6537	1.05E+08
LOC105373553	-0.09401	0.094008	0.17956	-1.1137	0.28454	0.49606	-5.6537	1.05E+08
B4GALNT4	-0.40204	0.40204	0.85665	-1.1136	0.28459	0.4961	-5.6539	338707
NEK3	-0.31469	0.31469	1.2229	-1.1133	0.2847	0.49619	-5.6542	4752
RAB3GAP2	0.58568	0.58568	3.9087	1.1132	0.28473	0.49619	-5.6542	25782
EXT1	-1.8607	1.8607	11.808	-1.1132	0.28475	0.49619	-5.6543	2131

MAGI2	-0.14298	0.14298	0.36762	-1.1132	0.28477	0.49619	-5.6543	9863
CEP164	-0.60598	0.60598	2.862	-1.1131	0.28479	0.49619	-5.6544	22897
FXVD7	-0.09909	0.09909	0.12204	-1.113	0.28483	0.49621	-5.6545	53822
SNAI3	-0.15439	0.15439	0.39697	-1.1128	0.2849	0.49628	-5.6547	333929
NACA	13.322	13.322	51.292	1.1126	0.28501	0.49634	-5.6549	4666
ZEB2-AS1	-0.10854	0.10854	0.13401	-1.1126	0.28501	0.49634	-5.6549	1E+08
TMEM186	-0.41151	0.41151	1.9011	-1.1125	0.28502	0.49634	-5.655	25880
LOC100507507	0.37897	0.37897	0.89904	1.1123	0.28512	0.49645	-5.6552	1.01E+08
CPNE5	0.20997	0.20997	0.52809	1.1118	0.28531	0.49674	-5.6557	57699
ABRAXAS2	0.56914	0.56914	3.1484	1.1116	0.2854	0.49674	-5.6559	23172
ARL10	-0.5112	0.5112	1.6616	-1.1116	0.28542	0.49674	-5.656	285598
PIN4	0.27824	0.27824	1.0472	1.1116	0.28542	0.49674	-5.656	5303
UBR3	-0.6874	0.6874	5.4805	-1.1115	0.28545	0.49674	-5.6561	130507
ERMP1	0.50895	0.50895	4.6277	1.1115	0.28546	0.49674	-5.6561	79956
ACTR1B	-1.0669	1.0669	8.9035	-1.1114	0.28551	0.49675	-5.6562	10120
PCSK5	-0.37803	0.37803	0.84799	-1.1113	0.28552	0.49675	-5.6562	5125
RDM1P5	-0.09972	0.099722	0.15181	-1.1112	0.28559	0.49681	-5.6564	1E+08
MRPS16	2.0213	2.0213	10.396	1.1109	0.28569	0.49693	-5.6566	51021
OXA1L	-3.705	3.705	16.783	-1.1108	0.28573	0.49696	-5.6568	5018
MIR2117HG	-0.53879	0.53879	0.41678	-1.1104	0.28592	0.49724	-5.6572	1.07E+08
MIR548XHG	-0.09092	0.090917	0.10429	-1.1102	0.28598	0.4973	-5.6574	1.02E+08
WASHC2A	-1.0975	1.0975	6.9334	-1.1098	0.28617	0.49756	-5.6579	387680
SRSF6	2.2701	2.2701	18.248	1.1094	0.28634	0.49776	-5.6583	6431
LOC100506100	0.41053	0.41053	0.92501	1.1094	0.28634	0.49776	-5.6583	1.01E+08
TTLL5	-0.45011	0.45011	3.2521	-1.1092	0.28641	0.4978	-5.6585	23093
S1PR4	0.36836	0.36836	0.72962	1.1092	0.28642	0.4978	-5.6585	8698

DNAJC2	0.71541	0.71541	3.1777	1.1088	0.28656	0.49799	-5.6589	27000
NLRP3	0.25463	0.25463	0.58746	1.1088	0.28659	0.49799	-5.6589	114548
TAF6L	-0.62926	0.62926	3.1156	-1.1086	0.28668	0.49801	-5.6592	10629
PLPPR3	-0.15225	0.15225	0.255	-1.1085	0.28668	0.49801	-5.6592	79948
BRSK1	0.13693	0.13693	0.33128	1.1085	0.2867	0.49801	-5.6592	84446
C12orf43	-0.32387	0.32387	1.758	-1.1085	0.28672	0.49801	-5.6593	64897
ZNF432	0.50509	0.50509	1.8268	1.1082	0.28681	0.49802	-5.6595	9668
SEMA3G	-0.84936	0.84936	1.9466	-1.1081	0.28688	0.49802	-5.6597	56920
CEBPB	13.488	13.488	38.073	1.1081	0.28688	0.49802	-5.6597	1051
CASC4	2.0122	2.0122	7.3767	1.108	0.2869	0.49802	-5.6597	113201
TOP2A	1.6286	1.6286	3.7611	1.108	0.2869	0.49802	-5.6597	7153
C4orf48	1.0794	1.0794	1.7538	1.108	0.2869	0.49802	-5.6597	401115
MTMR10	-0.38503	0.38503	3.9155	-1.1079	0.28695	0.49804	-5.6598	54893
NT5DC2	2.5711	2.5711	9.352	1.1078	0.28698	0.49804	-5.6599	64943
ID2	-1.1823	1.1823	9.3641	-1.1078	0.287	0.49804	-5.66	3398
FIZ1	-0.51942	0.51942	1.8896	-1.1075	0.28711	0.49818	-5.6602	84922
ZNF43	-0.24878	0.24878	0.887	-1.1072	0.28723	0.49833	-5.6605	7594
DUSP4	0.40401	0.40401	1.4373	1.107	0.28734	0.49848	-5.6608	1846
MXI1	2.2964	2.2964	6.7744	1.1065	0.28753	0.49869	-5.6613	4601
DHRS4L1	-0.10845	0.10845	0.36123	-1.1065	0.28755	0.49869	-5.6613	728635
MAD2L1BP	1.194	1.194	3.662	1.1065	0.28755	0.49869	-5.6613	9587
TOX	-0.07929	0.079289	0.18732	-1.1063	0.28762	0.49876	-5.6615	9760
RADIL	-0.18711	0.18711	0.46373	-1.1061	0.28769	0.49882	-5.6617	55698
ZC3H11A	1.8504	1.8504	16.839	1.106	0.28774	0.49887	-5.6618	9877
STK36	-0.29034	0.29034	1.2434	-1.1058	0.28784	0.49895	-5.6621	27148
CBR3-AS1	0.29631	0.29631	1.181	1.1057	0.28786	0.49895	-5.6621	1.01E+08

STK25	1.9685	1.9685	10.609	1.1056	0.2879	0.49895	-5.6622	10494
PANO1	-0.11372	0.11372	0.32043	-1.1055	0.28794	0.49895	-5.6623	1.02E+08
C5orf15	1.3706	1.3706	5.8427	1.1055	0.28795	0.49895	-5.6623	56951
CPA4	22.75	22.75	27.895	1.1055	0.28797	0.49895	-5.6624	51200
PDGFA	1.3226	1.3226	4.3636	1.1054	0.28801	0.49898	-5.6625	5154
GFER	-0.4581	0.4581	1.6993	-1.105	0.28816	0.49918	-5.6629	2671
ZHX2	-0.72497	0.72497	3.5838	-1.1048	0.28823	0.49925	-5.6631	22882
ZNF200	0.24414	0.24414	1.0746	1.1046	0.28832	0.49936	-5.6633	7752
CERS6	-0.54061	0.54061	3.2721	-1.1045	0.28837	0.49938	-5.6634	253782
GIMAP1-GIMAP5	-0.8845	0.8845	2.1774	-1.1044	0.2884	0.4994	-5.6635	1.01E+08
CDC34	5.9812	5.9812	15.81	1.1043	0.28844	0.49941	-5.6636	997
SERF2	8.2968	8.2968	26.765	1.1042	0.28851	0.49947	-5.6637	10169
ST3GAL3	-0.26123	0.26123	1.093	-1.1039	0.28864	0.49963	-5.6641	6487
CHN2	-0.0892	0.089202	0.2976	-1.1038	0.28866	0.49963	-5.6641	1124
SEC11C	1.8946	1.8946	7.3112	1.1037	0.2887	0.49965	-5.6642	90701
CD1B	-0.08655	0.08655	0.099882	-1.1032	0.28892	0.49999	-5.6648	910
HCFC1-AS1	-0.08766	0.087659	0.20304	-1.1029	0.28902	0.50011	-5.665	1.01E+08
LDLRAD2	-0.16316	0.16316	0.32406	-1.1027	0.28914	0.50025	-5.6653	401944
GMFG	3.545	3.545	5.8302	1.1026	0.28916	0.50025	-5.6654	9535
ETFDH	1.6694	1.6694	4.868	1.1023	0.2893	0.50041	-5.6657	2110
GDPGP1	-0.21154	0.21154	0.55545	-1.1023	0.28931	0.50041	-5.6658	390637
CCDC65	-0.08703	0.087027	0.20613	-1.102	0.28943	0.50056	-5.666	85478
RRP1B	-0.90927	0.90927	4.4286	-1.1019	0.28946	0.50056	-5.6661	23076
PNPLA3	-0.63596	0.63596	1.4085	-1.1014	0.28966	0.50085	-5.6666	80339
IPP	-0.21157	0.21157	1.823	-1.1011	0.2898	0.50097	-5.667	3652
WDR5	-1.2076	1.2076	6.2191	-1.1011	0.28982	0.50097	-5.667	11091

NLRX1	2.8168	2.8168	9.3855	1.101	0.28983	0.50097	-5.667	79671
TUBA1B	44.053	44.053	124.59	1.101	0.28985	0.50097	-5.6671	10376
CDC42EP2	1.1113	1.1113	3.5787	1.1009	0.28989	0.501	-5.6672	10435
SNORD142	-0.12889	0.12889	0.21073	-1.1007	0.28999	0.50111	-5.6674	1.07E+08
CDH5	3.3091	3.3091	9.1082	1.1004	0.29008	0.50123	-5.6677	1003
NEDD8-MDP1	0.18796	0.18796	0.63441	1.0999	0.29032	0.50155	-5.6683	1.01E+08
SLC8A1	-0.42794	0.42794	1.5537	-1.0998	0.29036	0.50155	-5.6683	6546
AP5B1	-0.84601	0.84601	4.3516	-1.0998	0.29036	0.50155	-5.6684	91056
LOC100506178	0.14107	0.14107	0.21244	1.0995	0.29047	0.50164	-5.6686	1.01E+08
EXOSC4	1.7067	1.7067	6.0921	1.0995	0.29047	0.50164	-5.6686	54512
UBA6	1.2852	1.2852	4.2721	1.0993	0.29057	0.50176	-5.6689	55236
C18orf21	0.77372	0.77372	3.2909	1.0991	0.29065	0.50184	-5.6691	83608
TEX38	-0.09416	0.094155	0.15944	-1.0989	0.29072	0.50191	-5.6692	374973
LINC01269	0.74333	0.74333	0.76283	1.0986	0.29083	0.50206	-5.6695	1.04E+08
KHNYN	-1.3707	1.3707	9.1999	-1.0985	0.29091	0.50211	-5.6697	23351
C17orf78	-0.08144	0.081443	0.15666	-1.0984	0.29094	0.50211	-5.6698	284099
KCNC3	-0.18695	0.18695	0.73529	-1.0984	0.29095	0.50211	-5.6698	3748
MSL3P1	0.12631	0.12631	0.33075	1.0979	0.29115	0.50238	-5.6703	151507
ZNF57	1.0824	1.0824	3.2788	1.0978	0.29117	0.50238	-5.6704	126295
ZNF322	0.51739	0.51739	2.2573	1.0977	0.29122	0.50242	-5.6705	79692
FBXO8	0.68448	0.68448	3.7167	1.0971	0.29148	0.50282	-5.6711	26269
SEMA5A	0.75677	0.75677	3.4861	1.0967	0.29167	0.50307	-5.6716	9037
LOC100134317	-0.07355	0.073548	0.070109	-1.0966	0.29169	0.50307	-5.6716	1E+08
RELCH	0.77475	0.77475	5.9946	1.0965	0.29173	0.5031	-5.6717	57614
RARRES2	9.6877	9.6877	16.143	1.0962	0.29185	0.50325	-5.672	5919
MND1	0.18786	0.18786	0.41686	1.0957	0.29206	0.50356	-5.6725	84057

INPP5A	-0.54677	0.54677	3.1858	-1.0955	0.29214	0.50365	-5.6728	3632
COL6A1	65.126	65.126	134.07	1.0947	0.2925	0.50415	-5.6736	1291
BZW2	-1.6084	1.6084	9.3139	-1.0946	0.29253	0.50415	-5.6737	28969
PI15	1.9103	1.9103	2.9941	1.0946	0.29255	0.50415	-5.6737	51050
SLC4A3	0.34917	0.34917	0.94756	1.0945	0.29258	0.50415	-5.6738	6508
PSG7	0.12811	0.12811	0.27022	1.0945	0.29258	0.50415	-5.6738	5676
UQCRBP1	-0.26407	0.26407	0.77541	-1.094	0.2928	0.50447	-5.6744	442454
SENP5	0.44956	0.44956	5.0429	1.0938	0.29286	0.50453	-5.6745	205564
SLC18A2	0.42574	0.42574	1.7894	1.0937	0.29291	0.50455	-5.6746	6571
NCEH1	0.34669	0.34669	0.99194	1.0936	0.29295	0.50455	-5.6747	57552
CCNB1	2.0921	2.0921	4.0332	1.0935	0.29299	0.50455	-5.6748	891
GABARAPL1	-1.968	1.968	6.4993	-1.0935	0.293	0.50455	-5.6748	23710
POM121C	-1.253	1.253	7.6086	-1.0933	0.2931	0.50468	-5.6751	1E+08
RFX5	-0.86908	0.86908	4.0007	-1.0928	0.29331	0.505	-5.6756	5993
GTF3A	3.8894	3.8894	13.409	1.0927	0.29335	0.50501	-5.6757	2971
RPL9	111.24	111.24	394.03	1.0926	0.2934	0.50504	-5.6758	6133
RASIP1	0.78885	0.78885	2.9245	1.092	0.29362	0.50537	-5.6764	54922
PIK3C3	-0.59925	0.59925	5.2589	-1.0917	0.29377	0.50557	-5.6767	5289
PDE3A	0.84531	0.84531	1.8651	1.0915	0.29384	0.50564	-5.6769	5139
FDCSP	-0.59791	0.59791	0.39258	-1.0914	0.29391	0.50572	-5.6771	260436
HM13-AS1	-0.21079	0.21079	0.62468	-1.0913	0.29394	0.50572	-5.6772	1.01E+08
FAM111A	-0.39194	0.39194	2.3614	-1.091	0.29405	0.50585	-5.6774	63901
TRIM38	-0.75162	0.75162	4.1638	-1.0908	0.29415	0.50592	-5.6777	10475
BRIP1	0.11938	0.11938	0.7502	1.0908	0.29416	0.50592	-5.6777	83990
CARD11	0.21618	0.21618	0.38208	1.0907	0.29418	0.50592	-5.6777	84433
MZT2B	7.7958	7.7958	25.955	1.0906	0.29423	0.50596	-5.6779	80097

CA11	-0.51887	0.51887	1.1739	-1.0903	0.29435	0.50607	-5.6782	770
GATA6	-0.20426	0.20426	0.30874	-1.0903	0.29438	0.50607	-5.6782	2627
RPS17	38.659	38.659	127.29	1.0902	0.29439	0.50607	-5.6782	6218
LOC105747689	-0.15095	0.15095	0.43665	-1.0898	0.29457	0.50633	-5.6787	1.06E+08
UBE2R2	2.5615	2.5615	12.248	1.0897	0.2946	0.50633	-5.6788	54926
VPS13B	-0.73279	0.73279	4.8112	-1.0897	0.29463	0.50634	-5.6788	157680
FYCO1	-1.2664	1.2664	7.0103	-1.0894	0.29473	0.50645	-5.6791	79443
SLFNL1	-0.16247	0.16247	0.39189	-1.0891	0.29485	0.50662	-5.6794	200172
C14orf28	-0.12948	0.12948	0.62917	-1.089	0.29493	0.5067	-5.6796	122525
DOCK4	0.7164	0.7164	2.662	1.0886	0.29508	0.50691	-5.6799	9732
HLA-C	-4.9487	4.9487	10.795	-1.0883	0.2952	0.50703	-5.6802	3107
KLF3	3.643	3.643	17.043	1.0883	0.29521	0.50703	-5.6803	51274
FRMD6	1.6991	1.6991	13.698	1.0878	0.29543	0.50734	-5.6808	122786
DIMT1	0.64073	0.64073	3.0503	1.0874	0.29561	0.50756	-5.6812	27292
LINC00312	-0.28481	0.28481	0.64017	-1.0874	0.29561	0.50756	-5.6812	29931
TNFRSF10B	1.3206	1.3206	4.6004	1.0872	0.29566	0.50756	-5.6813	8795
POLG	-1.1303	1.1303	6.4946	-1.0872	0.29567	0.50756	-5.6814	5428
RANBP3	-1.0909	1.0909	6.231	-1.087	0.29578	0.50769	-5.6816	8498
SHB	1.9665	1.9665	6.5852	1.0868	0.29586	0.50779	-5.6818	6461
DCUN1D1	0.43137	0.43137	2.4868	1.0864	0.29602	0.50798	-5.6822	54165
MIR320B2	-0.11793	0.11793	0.13159	-1.0864	0.29604	0.50798	-5.6823	1E+08
CGAS	0.57937	0.57937	1.4328	1.0859	0.29623	0.50823	-5.6827	115004
DLX1	0.1258	0.1258	0.31288	1.0859	0.29624	0.50823	-5.6827	1745
RHOT1	-0.86755	0.86755	4.895	-1.0858	0.2963	0.50827	-5.6829	55288
ZNF622	2.3369	2.3369	7.3582	1.0856	0.29637	0.50832	-5.6831	90441
ADSL	1.4967	1.4967	5.7729	1.0855	0.29642	0.50832	-5.6832	158

PCA3	-0.07944	0.079438	0.12578	-1.0854	0.29644	0.50832	-5.6832	50652
NUFIP2	0.92671	0.92671	6.3683	1.0854	0.29645	0.50832	-5.6832	57532
BTRC	0.66355	0.66355	3.458	1.0852	0.29655	0.50845	-5.6835	8945
LINC01671	-0.11364	0.11364	0.19537	-1.085	0.29664	0.50854	-5.6837	1.02E+08
CLSPN	0.23179	0.23179	0.44216	1.0848	0.29673	0.50864	-5.6839	63967
PAX8	0.20206	0.20206	0.80002	1.0846	0.2968	0.50872	-5.6841	7849
CCDC85B	3.9629	3.9629	11.807	1.0845	0.29685	0.50872	-5.6842	11007
ABRACL	1.9072	1.9072	5.7145	1.0844	0.29686	0.50872	-5.6842	58527
PJA1	0.57575	0.57575	2.7488	1.0842	0.29696	0.50879	-5.6845	64219
SHC2	-0.95564	0.95564	2.0436	-1.0842	0.29698	0.50879	-5.6845	25759
BOLA1	-0.83094	0.83094	2.6888	-1.0841	0.29699	0.50879	-5.6846	51027
ZNF792	-0.28669	0.28669	1.177	-1.0837	0.29718	0.50889	-5.685	126375
ATAD5	-0.16571	0.16571	0.72456	-1.0837	0.29719	0.50889	-5.685	79915
TRAF3	-0.54841	0.54841	2.9575	-1.0836	0.29722	0.50889	-5.6851	7187
ANXA2R	-0.18198	0.18198	0.76864	-1.0836	0.29722	0.50889	-5.6851	389289
BMPRI1A	-0.61974	0.61974	5.0094	-1.0835	0.29725	0.50889	-5.6852	657
NAT9	-0.78084	0.78084	3.5169	-1.0835	0.29727	0.50889	-5.6852	26151
TRIAP1	1.3888	1.3888	5.2994	1.0834	0.29729	0.50889	-5.6853	51499
SHMT2	2.5759	2.5759	8.692	1.0834	0.29729	0.50889	-5.6853	6472
LRRC27	-0.08608	0.086078	0.22779	-1.0833	0.29735	0.50894	-5.6854	80313
JMJD1C-AS1	-0.57838	0.57838	1.2209	-1.0829	0.2975	0.50915	-5.6858	84989
ELOA	1.5513	1.5513	8.2486	1.0828	0.29756	0.50919	-5.6859	6924
KIF3A	0.14799	0.14799	1.2243	1.0826	0.29766	0.5093	-5.6862	11127
RBP2	-0.08767	0.087665	0.080366	-1.0825	0.29771	0.5093	-5.6863	5948
AP1S1	4.1213	4.1213	14.93	1.0824	0.29771	0.5093	-5.6863	1174
LIMCH1	-1.0407	1.0407	4.1664	-1.0823	0.29777	0.50932	-5.6864	22998

SLA2	-0.10337	0.10337	0.32973	-1.0823	0.29779	0.50932	-5.6865	84174
PCNX4	0.53601	0.53601	3.6572	1.0822	0.29781	0.50932	-5.6865	64430
ROBO2	-0.12566	0.12566	0.50689	-1.082	0.2979	0.5094	-5.6867	6092
USP8	0.78324	0.78324	5.3341	1.082	0.29792	0.5094	-5.6868	9101
SIX1	0.17955	0.17955	0.31073	1.0817	0.29805	0.50956	-5.6871	6495
TSPAN15	1.1895	1.1895	3.3419	1.0816	0.29809	0.50958	-5.6872	23555
PLEC	-11.058	11.058	38.783	-1.0815	0.29813	0.50959	-5.6873	5339
KIAA0895	0.15845	0.15845	0.51756	1.0811	0.29831	0.50975	-5.6877	23366
LOC101928855	-0.15802	0.15802	0.35536	-1.081	0.29832	0.50975	-5.6877	1.02E+08
GALNT4	0.27594	0.27594	1.0373	1.081	0.29835	0.50975	-5.6878	8693
LARGE1	-0.66197	0.66197	2.7892	-1.0809	0.29836	0.50975	-5.6878	9215
LINC00302	16.401	16.401	20.132	1.0809	0.29838	0.50975	-5.6879	388699
NMRK1	0.75176	0.75176	3.5158	1.0809	0.2984	0.50975	-5.6879	54981
BMP6	-0.32481	0.32481	1.2164	-1.0805	0.29856	0.50992	-5.6883	654
WDFY2	1.2348	1.2348	9.5789	1.0805	0.29857	0.50992	-5.6883	115825
IFITM1	-58.043	58.043	72.137	-1.0804	0.2986	0.50992	-5.6884	8519
KCNAB3	-0.10499	0.10499	0.32387	-1.0803	0.29862	0.50992	-5.6885	9196
TOM1L2	-2.2017	2.2017	13.266	-1.0802	0.29867	0.50996	-5.6886	146691
ZNF689	-0.32423	0.32423	1.2262	-1.0799	0.2988	0.51013	-5.6889	115509
EN1	-1.4615	1.4615	4.9602	-1.0798	0.29883	0.51013	-5.689	2019
YAE1	0.17503	0.17503	0.7839	1.0796	0.29892	0.51022	-5.6892	57002
OIP5	0.21869	0.21869	0.65669	1.0796	0.29894	0.51022	-5.6892	11339
KRT10	-1558.3	1558.3	2441	-1.0793	0.29906	0.51035	-5.6895	3858
LOC100130264	-0.13271	0.13271	0.38524	-1.0793	0.29908	0.51035	-5.6896	1E+08
UNC119	-0.77587	0.77587	4.3207	-1.0791	0.29913	0.51038	-5.6897	9094
GACAT2	-0.16729	0.16729	0.26255	-1.0785	0.2994	0.51078	-5.6903	1E+08

PIMREG	0.42367	0.42367	0.7999	1.0782	0.29954	0.51092	-5.6907	54478
PMVK	6.2384	6.2384	17.853	1.0782	0.29955	0.51092	-5.6907	10654
HEG1	2.4472	2.4472	7.139	1.0781	0.29957	0.51092	-5.6907	57493
PIN1	2.6733	2.6733	11.253	1.078	0.29963	0.51098	-5.6909	5300
GPR22	-0.11705	0.11705	0.30325	-1.0778	0.29971	0.51106	-5.6911	2845
BBIP1	0.27977	0.27977	0.95792	1.0777	0.29975	0.51107	-5.6911	92482
RPL41	320.14	320.14	978.41	1.0774	0.29989	0.51121	-5.6915	6171
SP110	-1.0704	1.0704	3.3233	-1.0774	0.29989	0.51121	-5.6915	3431
RPS6KA4	4.1426	4.1426	11.191	1.0769	0.30008	0.51149	-5.6919	8986
GRPEL2-AS1	0.15234	0.15234	0.26729	1.0767	0.3002	0.51163	-5.6922	1.06E+08
INF2	-1.6011	1.6011	7.7828	-1.0766	0.30023	0.51163	-5.6923	64423
BGN	27.04	27.04	52.174	1.0765	0.30026	0.51163	-5.6924	633
NAB1	1.234	1.234	11.028	1.0764	0.3003	0.51166	-5.6925	4664
ARRB2	2.3614	2.3614	6.9054	1.0758	0.30056	0.51204	-5.6931	409
SLFNL1-AS1	-0.2407	0.2407	0.75584	-1.0757	0.30061	0.51207	-5.6932	1.01E+08
MYO9A	-0.47718	0.47718	4.6855	-1.0754	0.30073	0.51223	-5.6935	4649
AAAS	-1.1393	1.1393	5.6592	-1.0753	0.30079	0.51228	-5.6936	8086
TRNAU1AP	0.71563	0.71563	3.4408	1.0746	0.30109	0.51274	-5.6943	54952
PRKG1	0.4617	0.4617	1.0302	1.0744	0.30116	0.51279	-5.6945	5592
HTRA1	15.234	15.234	32.758	1.0744	0.30118	0.51279	-5.6946	5654
ESYT1	3.992	3.992	14.842	1.0743	0.30124	0.5128	-5.6947	23344
KLHL41	-0.10299	0.10299	0.18447	-1.0741	0.30129	0.5128	-5.6948	10324
ESYT2	2.1582	2.1582	13.791	1.0741	0.30131	0.5128	-5.6948	57488
NUPR1	-8.8883	8.8883	25.676	-1.0741	0.30131	0.5128	-5.6949	26471
BEAN1-AS1	0.15381	0.15381	0.35008	1.0739	0.30139	0.5129	-5.6951	1.02E+08
IRF3	-1.7038	1.7038	7.431	-1.0737	0.30148	0.51292	-5.6953	3661

CUTC	-0.49594	0.49594	3.0704	-1.0737	0.30148	0.51292	-5.6953	51076
POLL	-0.466	0.466	2.4501	-1.0737	0.3015	0.51292	-5.6953	27343
RAD17	0.29472	0.29472	1.8956	1.0735	0.30156	0.51296	-5.6954	5884
MTCP1	-0.0884	0.088395	0.3814	-1.0735	0.30159	0.51296	-5.6955	4515
NOP14	-1.3024	1.3024	6.9336	-1.0734	0.30162	0.51297	-5.6956	8602
TRAPPC5	5.7419	5.7419	16.712	1.0732	0.30169	0.51304	-5.6958	126003
MIR499A	-0.13983	0.13983	0.12752	-1.0727	0.30189	0.51329	-5.6962	574501
METTL4	0.19572	0.19572	0.85534	1.0726	0.30196	0.51329	-5.6964	64863
DLC1	1.0674	1.0674	3.4813	1.0726	0.30197	0.51329	-5.6964	10395
FKBP9P1	-0.15316	0.15316	0.49576	-1.0726	0.30197	0.51329	-5.6964	360132
FGR	0.62829	0.62829	1.4248	1.0725	0.30201	0.51329	-5.6965	2268
CCNF	0.55563	0.55563	1.8879	1.0725	0.30202	0.51329	-5.6965	899
LOC101928140	-0.08947	0.089469	0.2306	-1.0722	0.30215	0.51341	-5.6968	1.02E+08
NACC1	2.1866	2.1866	9.1458	1.0721	0.30217	0.51341	-5.6969	112939
PRPF40A	0.91664	0.91664	5.6503	1.072	0.30223	0.51341	-5.697	55660
MX2	-2.8081	2.8081	3.4914	-1.0719	0.30225	0.51341	-5.6971	4600
LINC00313	0.08947	0.08947	0.14528	1.0719	0.30226	0.51341	-5.6971	114038
TCP11L2	1.9667	1.9667	7.8281	1.0717	0.30234	0.51341	-5.6973	255394
GCLM	0.3155	0.3155	1.1434	1.0717	0.30234	0.51341	-5.6973	2730
LPAL2	-0.09752	0.097515	0.2653	-1.0717	0.30235	0.51341	-5.6973	80350
PC	1.1528	1.1528	2.7469	1.0717	0.30237	0.51341	-5.6974	5091
PVRIG2P	-1.7024	1.7024	1.863	-1.0713	0.30252	0.51362	-5.6977	1.02E+08
TUT7	2.3403	2.3403	11.327	1.0712	0.30257	0.51362	-5.6978	79670
PSMB8	-0.45534	0.45534	1.2072	-1.0712	0.30258	0.51362	-5.6979	5696
PRR5L	0.21962	0.21962	0.6256	1.071	0.30264	0.51367	-5.698	79899
EDDM13	-0.30522	0.30522	1.1136	-1.0709	0.30271	0.51371	-5.6982	1.01E+08

ZNF600	-0.18287	0.18287	1.0003	-1.0708	0.30273	0.51371	-5.6982	162966
COPZ1	3.7835	3.7835	17.117	1.0708	0.30276	0.51371	-5.6983	22818
ELP3	-0.67589	0.67589	3.278	-1.0705	0.30286	0.51384	-5.6985	55140
CATSPERZ	0.15682	0.15682	0.3471	1.0704	0.30292	0.51384	-5.6987	25858
CLEC7A	1.5289	1.5289	4.7667	1.0703	0.30295	0.51384	-5.6987	64581
LINC00513	-0.5219	0.5219	1.5268	-1.0703	0.30298	0.51384	-5.6988	1.01E+08
CYYR1-AS1	-0.11803	0.11803	0.22823	-1.0702	0.30298	0.51384	-5.6988	1.01E+08
DARS2	0.42181	0.42181	2.5147	1.07	0.30307	0.51393	-5.699	55157
NLGN4X	0.34552	0.34552	0.9123	1.0698	0.30315	0.51401	-5.6992	57502
C22orf34	-0.10917	0.10917	0.27131	-1.0698	0.30318	0.51401	-5.6993	348645
EDRF1-AS1	-0.09992	0.09992	0.1838	-1.0697	0.30323	0.51405	-5.6994	1.02E+08
WTIP	-0.94121	0.94121	2.7514	-1.0694	0.30335	0.5142	-5.6997	126374
DCUN1D4	0.4148	0.4148	1.9685	1.0692	0.30341	0.51425	-5.6998	23142
CRELD1	-0.40713	0.40713	1.9398	-1.0687	0.30366	0.51463	-5.7004	78987
CHML	0.23382	0.23382	1.356	1.0684	0.30376	0.51475	-5.7006	1122
C14orf178	-0.08047	0.080471	0.15843	-1.0682	0.30387	0.51486	-5.7009	283579
FBXW5	4.0733	4.0733	18.133	1.0681	0.30389	0.51486	-5.7009	54461
C19orf48	-1.3565	1.3565	5.5903	-1.0678	0.30405	0.51508	-5.7013	84798
LINC02482	-0.25729	0.25729	0.44035	-1.0677	0.30408	0.51508	-5.7014	1.05E+08
CMC1	0.51554	0.51554	2.139	1.0676	0.30415	0.5151	-5.7015	152100
TDRD7	0.45896	0.45896	2.1071	1.0675	0.30415	0.5151	-5.7015	23424
CXCR6	-0.17751	0.17751	0.90623	-1.0675	0.30419	0.51511	-5.7016	10663
SPRR2D	127.55	127.55	180	1.0671	0.30434	0.51531	-5.702	6703
LINC00102	-0.22638	0.22638	0.60887	-1.067	0.30441	0.51534	-5.7021	1E+08
ME2	0.66594	0.66594	2.3767	1.0669	0.30444	0.51534	-5.7022	4200
CSNK2B	1.8593	1.8593	6.771	1.0668	0.30446	0.51534	-5.7023	1460

ACBD6	-1.1391	1.1391	6.3046	-1.0667	0.3045	0.51534	-5.7024	84320
CD300A	0.44656	0.44656	0.97762	1.0667	0.30451	0.51534	-5.7024	11314
PTK2	0.97136	0.97136	6.0221	1.0665	0.3046	0.51538	-5.7026	5747
TECPR2	-0.28753	0.28753	2.0604	-1.0665	0.30462	0.51538	-5.7026	9895
LAMC3	-0.78574	0.78574	2.3333	-1.0663	0.30467	0.51538	-5.7028	10319
PPP1R12A	0.68836	0.68836	5.8654	1.0663	0.30468	0.51538	-5.7028	4659
TBC1D3	0.33294	0.33294	0.72407	1.0663	0.30469	0.51538	-5.7028	729873
CC2D1B	-0.56998	0.56998	3.5773	-1.0662	0.30475	0.51538	-5.7029	200014
ASCC2	1.4601	1.4601	9.3452	1.0661	0.30476	0.51538	-5.703	84164
LPXN	0.65031	0.65031	1.8331	1.0661	0.30478	0.51538	-5.703	9404
MPP3	-0.12534	0.12534	0.65357	-1.0658	0.30491	0.51555	-5.7033	4356
PCNA	4.5345	4.5345	12.661	1.0656	0.305	0.51563	-5.7035	5111
MICU1	1.1008	1.1008	6.2453	1.0656	0.30502	0.51563	-5.7036	10367
CYP1B1	-1.1738	1.1738	1.9218	-1.0649	0.30533	0.51608	-5.7043	1545
ZEB1-AS1	-0.1612	0.1612	0.53852	-1.0648	0.30535	0.51608	-5.7043	220930
DPY19L1P1	-0.12574	0.12574	0.32753	-1.0646	0.30544	0.5162	-5.7045	1E+08
RFLNB	1.2775	1.2775	3.4436	1.0645	0.30548	0.51621	-5.7046	359845
LINC01003	-0.3457	0.3457	1.1314	-1.0642	0.30562	0.51625	-5.7049	1E+08
PI4KAP2	-0.29137	0.29137	1.4066	-1.0641	0.30564	0.51625	-5.705	375133
FCHSD2	-0.72849	0.72849	4.267	-1.0641	0.30565	0.51625	-5.705	9873
RPL21	83.009	83.009	292.24	1.064	0.30572	0.51625	-5.7052	6144
SFRP2	-8.9146	8.9146	22.632	-1.0639	0.30574	0.51625	-5.7052	6423
ICAM3	0.60789	0.60789	1.6209	1.0639	0.30575	0.51625	-5.7053	3385
MLF2	8.4549	8.4549	35.011	1.0639	0.30575	0.51625	-5.7053	8079
HMG2	-11.881	11.881	38.817	-1.0638	0.30578	0.51625	-5.7053	3151
LOC101929089	-0.08112	0.081121	0.20105	-1.0638	0.3058	0.51625	-5.7054	1.02E+08

ITGB3	0.87592	0.87592	2.7666	1.0637	0.30584	0.51625	-5.7055	3690
LSM5	0.348	0.348	1.4995	1.0637	0.30584	0.51625	-5.7055	23658
NEK2	0.21211	0.21211	0.45246	1.0636	0.30588	0.51625	-5.7056	4751
ZNF222	0.15576	0.15576	0.51913	1.0635	0.3059	0.51625	-5.7056	7673
BEST1	-0.17849	0.17849	0.62295	-1.0633	0.306	0.51637	-5.7058	7439
LILRB3	0.66104	0.66104	1.2757	1.0632	0.30605	0.5164	-5.706	11025
CFDP1	0.90632	0.90632	6.1549	1.063	0.30612	0.51646	-5.7061	10428
HNRNP11	0.74834	0.74834	3.8867	1.0625	0.30635	0.51681	-5.7067	92906
CABLES2	-0.16362	0.16362	0.98808	-1.0622	0.30647	0.51695	-5.7069	81928
ASAP1	1.0361	1.0361	6.4352	1.0621	0.30653	0.517	-5.7071	50807
MKRN1	-1.282	1.282	9.8271	-1.0618	0.30665	0.51701	-5.7073	23608
ANGPTL4	3.1671	3.1671	8.3335	1.0618	0.30666	0.51701	-5.7074	51129
ACTC1	-0.57605	0.57605	0.56588	-1.0618	0.30667	0.51701	-5.7074	70
PUM1	-1.1894	1.1894	12.684	-1.0617	0.30671	0.51701	-5.7075	9698
TIMM21	0.62215	0.62215	2.9018	1.0617	0.30672	0.51701	-5.7075	29090
SNAI2	4.1448	4.1448	13.058	1.0617	0.30673	0.51701	-5.7075	6591
CCDC149	-0.46738	0.46738	1.4285	-1.0615	0.30679	0.51701	-5.7077	91050
BDNF	0.13059	0.13059	0.31028	1.0615	0.30679	0.51701	-5.7077	627
CRYBB2	-0.20491	0.20491	0.41133	-1.0615	0.30681	0.51701	-5.7077	1415
NEMF	0.64379	0.64379	4.6465	1.0613	0.30689	0.51709	-5.7079	9147
PTGS1	-2.8639	2.8639	15.795	-1.0609	0.30705	0.5173	-5.7083	5742
GAB3	-0.1795	0.1795	0.65352	-1.0607	0.30716	0.51741	-5.7085	139716
LOC284454	2.872	2.872	7.4341	1.0606	0.30719	0.51741	-5.7086	284454
PLA2G4C	-0.24519	0.24519	0.87935	-1.0605	0.30723	0.51741	-5.7087	8605
B3GALT6	-0.97263	0.97263	3.3006	-1.0605	0.30725	0.51741	-5.7087	126792
TNN	0.077454	0.077454	0.12757	1.0604	0.30727	0.51741	-5.7088	63923

SLC39A8	-1.6353	1.6353	2.6996	-1.0602	0.30734	0.51749	-5.7089	64116
CDC5L	0.62808	0.62808	3.6196	1.0601	0.3074	0.51753	-5.7091	988
SRSF7	1.9526	1.9526	10.158	1.06	0.30743	0.51753	-5.7091	6432
RETN	-0.31196	0.31196	0.27042	-1.0598	0.30754	0.51753	-5.7094	56729
PCDH1	3.5917	3.5917	14.167	1.0598	0.30754	0.51753	-5.7094	5097
QDPR	-0.94851	0.94851	4.0338	-1.0598	0.30755	0.51753	-5.7094	5860
TASP1	-0.33365	0.33365	2.0142	-1.0597	0.30758	0.51753	-5.7095	55617
NDUFAB1	4.1353	4.1353	15.061	1.0597	0.30758	0.51753	-5.7095	4706
LOC100132062	-0.25168	0.25168	0.80705	-1.0595	0.30765	0.51755	-5.7097	1E+08
LOC100132287	-0.25168	0.25168	0.80705	-1.0595	0.30765	0.51755	-5.7097	1E+08
DNAL4	-0.82186	0.82186	3.3814	-1.0593	0.30775	0.51763	-5.7099	10126
TMEM33	0.93509	0.93509	4.9877	1.0593	0.30776	0.51763	-5.7099	55161
PTCD1	-0.22799	0.22799	1.2292	-1.0591	0.30783	0.5177	-5.7101	26024
DPAGT1	0.97839	0.97839	3.9517	1.0589	0.30793	0.51774	-5.7103	1798
LRRTM2	-0.26231	0.26231	0.89153	-1.0589	0.30794	0.51774	-5.7103	26045
PTGER2	-0.16958	0.16958	0.37245	-1.0588	0.30796	0.51774	-5.7104	5732
MIA-RAB4B	-0.3342	0.3342	0.44307	-1.0588	0.30798	0.51774	-5.7104	1.01E+08
ABCF3	-1.2455	1.2455	7.1743	-1.0586	0.30807	0.5178	-5.7106	55324
PAFAH1B2	1.482	1.482	6.6488	1.0586	0.30808	0.5178	-5.7106	5049
PLP2	22.434	22.434	108.09	1.0585	0.30811	0.5178	-5.7107	5355
ULK1	2.5475	2.5475	11.427	1.0584	0.30816	0.51783	-5.7108	8408
HAUS3	-0.27984	0.27984	1.8661	-1.0581	0.30829	0.51801	-5.7111	79441
OIP5-AS1	0.89863	0.89863	7.0807	1.0578	0.30843	0.51815	-5.7114	729082
CDCA7	-0.90841	0.90841	2.5594	-1.0577	0.30844	0.51815	-5.7115	83879
C1RL-AS1	-0.42847	0.42847	1.3794	-1.0576	0.30849	0.51817	-5.7116	283314
SLC44A3-AS1	0.7634	0.7634	2.5839	1.0575	0.30855	0.51823	-5.7117	1.02E+08

VPS35	1.7952	1.7952	10.464	1.0573	0.30862	0.5183	-5.7119	55737
HDDC3	-0.6105	0.6105	2.5229	-1.0571	0.30873	0.51835	-5.7121	374659
STX10	2.219	2.219	9.5385	1.0571	0.30873	0.51835	-5.7121	8677
CKMT1A	2.7036	2.7036	10.228	1.0571	0.30874	0.51835	-5.7122	548596
TRPM2	-0.18902	0.18902	0.42186	-1.0569	0.3088	0.51839	-5.7123	7226
OMA1	-0.53674	0.53674	2.2605	-1.0567	0.30891	0.51853	-5.7125	115209
DCAF13P3	-0.15459	0.15459	0.48159	-1.0564	0.30903	0.51868	-5.7128	1E+08
GLG1	-1.4323	1.4323	10.846	-1.0563	0.30906	0.51868	-5.7129	2734
COBL	-0.72212	0.72212	3.0043	-1.0562	0.30911	0.5187	-5.713	23242
FZR1	1.2779	1.2779	6.7522	1.0558	0.30929	0.51887	-5.7134	51343
MAGEH1	1.4101	1.4101	2.9917	1.0557	0.30932	0.51887	-5.7135	28986
DTYMK	1.4965	1.4965	4.525	1.0557	0.30933	0.51887	-5.7135	1841
LOC105369595	-0.08869	0.088687	0.11042	-1.0557	0.30933	0.51887	-5.7135	1.05E+08
URGCP	-0.60562	0.60562	3.4553	-1.0556	0.30938	0.51887	-5.7136	55665
INPP5F	-0.31737	0.31737	2.5653	-1.0556	0.30939	0.51887	-5.7136	22876
GRB2	2.9598	2.9598	13.864	1.0555	0.30944	0.5189	-5.7137	2885
COA4	2.5735	2.5735	9.7708	1.0553	0.30952	0.51898	-5.7139	51287
WDR47	1.1335	1.1335	5.8544	1.0552	0.30955	0.51898	-5.714	22911
SRY	-0.64138	0.64138	1.8123	-1.055	0.30965	0.51909	-5.7142	6736
CCDC117	0.41233	0.41233	2.9142	1.0549	0.30968	0.51909	-5.7143	150275
CEP57L1	-0.10248	0.10248	0.47835	-1.0549	0.30972	0.5191	-5.7144	285753
FOXRED2	-0.87204	0.87204	2.8345	-1.0547	0.30979	0.51917	-5.7145	80020
XRCC1	-0.6696	0.6696	4.2618	-1.0546	0.30985	0.51922	-5.7147	7515
ZBTB9	-0.22858	0.22858	0.97598	-1.0543	0.30994	0.51928	-5.7149	221504
LINC00909	-0.1402	0.1402	0.82373	-1.0543	0.30994	0.51928	-5.7149	400657
CSF2RA	0.23218	0.23218	0.61784	1.054	0.31011	0.5195	-5.7153	1438

PEX16	-0.67642	0.67642	3.3661	-1.0533	0.31041	0.51996	-5.716	9409
USP4	-0.77803	0.77803	7.5303	-1.0532	0.31044	0.51996	-5.716	7375
PPM1L	-0.65683	0.65683	2.5153	-1.0526	0.31073	0.52038	-5.7167	151742
SLC25A17	0.52818	0.52818	2.5617	1.0524	0.31078	0.52038	-5.7168	10478
TNFRSF10A	0.92763	0.92763	3.6611	1.0524	0.31081	0.52038	-5.7169	8797
MCM7	-1.7826	1.7826	7.3953	-1.0524	0.31082	0.52038	-5.7169	4176
LRRC57	0.4663	0.4663	3.4718	1.0522	0.31088	0.52042	-5.717	255252
TBXAS1	0.56829	0.56829	1.3143	1.052	0.31096	0.52042	-5.7172	6916
DPP4	-1.1141	1.1141	3.2348	-1.052	0.31097	0.52042	-5.7172	1803
HSPD1	6.4137	6.4137	21.846	1.052	0.31099	0.52042	-5.7173	3329
CNP	-1.9502	1.9502	8.2221	-1.052	0.31099	0.52042	-5.7173	1267
MRFAP1	5.9053	5.9053	31.218	1.0517	0.3111	0.52054	-5.7175	93621
TMEM39A	0.58588	0.58588	2.7576	1.0516	0.31115	0.52058	-5.7176	55254
CNOT9	1.2243	1.2243	6.9693	1.0515	0.31119	0.52059	-5.7177	9125
TRIP12	1.5485	1.5485	10.207	1.0509	0.31148	0.52095	-5.7184	9320
GOLGA6L3	-0.24269	0.24269	0.47902	-1.0509	0.31148	0.52095	-5.7184	1E+08
PXN-AS1	-0.20588	0.20588	0.90535	-1.0508	0.3115	0.52095	-5.7184	1.01E+08
THAP5	0.36794	0.36794	1.691	1.0506	0.3116	0.52108	-5.7187	168451
ZNF780A	-0.17727	0.17727	0.97463	-1.0505	0.31165	0.52111	-5.7188	284323
ALOXE3	4.1302	4.1302	10.195	1.0501	0.31181	0.52131	-5.7191	59344
LCORL	0.1448	0.1448	0.74992	1.0497	0.31198	0.52148	-5.7195	254251
HECA	1.6591	1.6591	10.666	1.0496	0.31203	0.52148	-5.7196	51696
ZFAND5	1.7327	1.7327	8.876	1.0496	0.31204	0.52148	-5.7197	7763
TRAF3IP3	0.14396	0.14396	0.47702	1.0496	0.31205	0.52148	-5.7197	80342
OR5P2	-0.17729	0.17729	0.38934	-1.0496	0.31206	0.52148	-5.7197	120065
NKIRAS1	0.21944	0.21944	1.878	1.0493	0.31217	0.52157	-5.7199	28512

RGP1	1.4441	1.4441	7.6556	1.0492	0.3122	0.52157	-5.72	9827
SYNJ2	0.78883	0.78883	2.912	1.0492	0.3122	0.52157	-5.72	8871
CDK13	-0.45624	0.45624	6.1489	-1.0491	0.31226	0.52161	-5.7202	8621
TMEM67	-0.12539	0.12539	0.53446	-1.0489	0.31234	0.52169	-5.7203	91147
NCF1B	-0.16431	0.16431	0.37859	-1.0485	0.31251	0.52193	-5.7207	654816
HASPIN	0.1947	0.1947	0.49691	1.0484	0.31256	0.52196	-5.7208	83903
CENPT	3.1334	3.1334	12.806	1.0483	0.31261	0.52196	-5.721	80152
CAV2	2.1028	2.1028	9.5131	1.0483	0.31262	0.52196	-5.721	858
C12orf76	-0.10439	0.10439	0.50707	-1.0478	0.31283	0.52225	-5.7214	400073
ERG	0.51768	0.51768	1.8339	1.0472	0.3131	0.52264	-5.722	2078
KPRP	145.99	145.99	175.83	1.0466	0.31335	0.52302	-5.7226	448834
DERL2	0.57015	0.57015	2.7335	1.0465	0.31342	0.52308	-5.7228	51009
RTP4	-0.47975	0.47975	0.88781	-1.0463	0.31351	0.52317	-5.723	64108
LOC100287049	-0.2336	0.2336	0.80486	-1.0461	0.31361	0.52325	-5.7232	1E+08
FKBP9	-4.769	4.769	24.909	-1.0461	0.31361	0.52325	-5.7232	11328
C8orf37	-0.1113	0.1113	0.46384	-1.0459	0.31367	0.52329	-5.7233	157657
PGA4	-0.08212	0.082118	0.090322	-1.0459	0.3137	0.52329	-5.7234	643847
SHROOM2	-0.42228	0.42228	1.66	-1.0458	0.31375	0.52332	-5.7235	357
MIPEPP3	-0.11773	0.11773	0.43792	-1.0457	0.3138	0.52332	-5.7236	650794
FOXP2	-0.15315	0.15315	0.80089	-1.0456	0.31381	0.52332	-5.7236	93986
RPLP0	180.61	180.61	708.55	1.0449	0.31412	0.52376	-5.7243	6175
NKRF	0.24172	0.24172	1.5591	1.0449	0.31414	0.52376	-5.7244	55922
DNAJC11	-1.0793	1.0793	5.9323	-1.0448	0.3142	0.52381	-5.7245	55735
FRMPD1	2.1217	2.1217	2.1652	1.0447	0.31424	0.52382	-5.7246	22844
MIB2	-1.7611	1.7611	6.2443	-1.0445	0.31433	0.5239	-5.7248	142678
NSL1	-0.15946	0.15946	0.67212	-1.0444	0.31435	0.5239	-5.7248	25936

PRICKLE2-AS2	-0.06939	0.069391	0.095196	-1.0443	0.31438	0.5239	-5.7249	1.01E+08
MZT2A	7.664	7.664	18.512	1.0443	0.31441	0.52391	-5.725	653784
WEE1	-1.3777	1.3777	5.0493	-1.0441	0.31448	0.52395	-5.7251	7465
PPFIBP2	0.67673	0.67673	4.4463	1.044	0.31452	0.52395	-5.7252	8495
TBKBP1	-0.44007	0.44007	1.5087	-1.044	0.31453	0.52395	-5.7253	9755
SPAG5-AS1	-0.16267	0.16267	0.564	-1.0438	0.31461	0.52404	-5.7254	1.01E+08
MMP3	12.627	12.627	14.015	1.0437	0.31466	0.52405	-5.7255	4314
PTPN6	-0.72065	0.72065	3.8021	-1.0436	0.3147	0.52408	-5.7256	5777
PLPP1	2.6246	2.6246	9.8404	1.0435	0.31478	0.52416	-5.7258	8611
SERPINA1	1.5003	1.5003	2.331	1.0433	0.31486	0.52423	-5.726	5265
PRICKLE4	-0.38378	0.38378	1.4321	-1.0431	0.31492	0.52429	-5.7261	29964
ZNF25	-0.27761	0.27761	1.1593	-1.043	0.31496	0.52429	-5.7262	219749
SLC16A2	0.39323	0.39323	1.6847	1.0429	0.31501	0.52429	-5.7263	6567
ZNF771	-0.23693	0.23693	0.64181	-1.0429	0.31504	0.52429	-5.7264	51333
TUSC8	-0.08423	0.084228	0.091204	-1.0428	0.31507	0.52429	-5.7265	400128
RHEB	1.8454	1.8454	8.8762	1.0427	0.3151	0.52429	-5.7265	6009
SNHG12	0.61693	0.61693	3.3538	1.0427	0.31511	0.52429	-5.7266	85028
NAGPA	-0.47734	0.47734	2.0035	-1.0426	0.31514	0.5243	-5.7266	51172
KLHL8	-0.20155	0.20155	1.2097	-1.042	0.31545	0.52475	-5.7273	57563
ASAP1-IT1	-0.29526	0.29526	1.0131	-1.0415	0.31565	0.52504	-5.7278	29065
TATDN3	-0.28553	0.28553	1.5778	-1.0412	0.3158	0.52524	-5.7281	128387
C11orf1	-0.50112	0.50112	2.5441	-1.0401	0.31626	0.52595	-5.7291	64776
DSE	0.96966	0.96966	3.9279	1.04	0.31631	0.52596	-5.7292	29940
LOC100996447	-0.09918	0.099184	0.28837	-1.04	0.31633	0.52596	-5.7293	1.01E+08
LOC105373383	-0.13256	0.13256	0.29896	-1.0399	0.31639	0.52596	-5.7294	1.05E+08
UPK3BL2	-1.1534	1.1534	3.416	-1.0398	0.3164	0.52596	-5.7294	1.08E+08

PCK2	1.4456	1.4456	3.8033	1.0398	0.31643	0.52596	-5.7295	5106
CPD	1.4676	1.4676	6.0644	1.0396	0.31649	0.52596	-5.7296	1362
HOXB5	-0.09125	0.091253	0.14958	-1.0396	0.31649	0.52596	-5.7296	3215
CAPN10	-0.59542	0.59542	2.249	-1.0396	0.31652	0.52596	-5.7297	11132
ATP8A1	-0.19408	0.19408	0.5384	-1.0395	0.31656	0.52599	-5.7298	10396
SMARCA5-AS1	-0.54129	0.54129	0.65537	-1.0392	0.31667	0.52606	-5.73	1E+08
SLC35G2	0.30899	0.30899	1.0303	1.0392	0.31667	0.52606	-5.73	80723
RFC1	-0.79768	0.79768	4.7112	-1.0391	0.31674	0.52612	-5.7302	5981
REP15	0.14718	0.14718	0.49126	1.039	0.31678	0.52614	-5.7303	387849
ASPRV1	165.12	165.12	162.43	1.0389	0.31683	0.52618	-5.7304	151516
ZNF358	-2.5707	2.5707	7.1245	-1.0384	0.31702	0.52639	-5.7308	140467
LOC105447645	-0.11581	0.11581	0.40148	-1.0384	0.31703	0.52639	-5.7308	1.05E+08
ZNF202	-0.1739	0.1739	1.2421	-1.0383	0.31707	0.52641	-5.7309	7753
BTBD19	0.60155	0.60155	1.8817	1.0383	0.3171	0.52641	-5.731	149478
CDC26	1.4665	1.4665	6.1694	1.0381	0.31716	0.52642	-5.7311	246184
CNNM4	5.3071	5.3071	5.8853	1.0381	0.31717	0.52642	-5.7311	26504
BET1	0.28036	0.28036	1.0369	1.0379	0.31726	0.52652	-5.7313	10282
LOC101928008	-0.11071	0.11071	0.25721	-1.0376	0.31739	0.52669	-5.7316	1.02E+08
ARV1	0.71641	0.71641	3.2084	1.0375	0.31744	0.52672	-5.7317	64801
OSTCP1	-0.08802	0.088016	0.205	-1.037	0.31765	0.52701	-5.7322	202459
FBXO46	1.4769	1.4769	5.7193	1.0367	0.3178	0.52707	-5.7325	23403
SCLT1	0.20052	0.20052	1.2523	1.0367	0.31781	0.52707	-5.7326	132320
RUBCNL	0.39117	0.39117	0.79747	1.0367	0.31782	0.52707	-5.7326	80183
RAD21	2.3952	2.3952	13.748	1.0367	0.31782	0.52707	-5.7326	5885
CTSG	-1.6907	1.6907	6.9164	-1.0366	0.31784	0.52707	-5.7326	1511
DLGAP1-AS1	-0.28883	0.28883	0.79261	-1.0364	0.31794	0.52719	-5.7328	649446

ZNF319	0.50652	0.50652	2.2238	1.0362	0.31801	0.52722	-5.733	57567
SLC35A1	0.55098	0.55098	3.4298	1.0362	0.31802	0.52722	-5.733	10559
C3orf33	-0.08024	0.08024	0.31635	-1.0356	0.31831	0.52765	-5.7337	285315
ZNF84	-0.15359	0.15359	0.66204	-1.0352	0.31846	0.52784	-5.734	7637
ACTL10	-0.26413	0.26413	0.67105	-1.0351	0.31853	0.52789	-5.7341	170487
ZNF697	0.22205	0.22205	0.95347	1.0349	0.31863	0.52802	-5.7343	90874
TCFL5	-0.30061	0.30061	1.9753	-1.0347	0.31872	0.52811	-5.7345	10732
CCDC50	-0.77084	0.77084	3.6162	-1.0345	0.31879	0.52819	-5.7347	152137
COMMD3	2.1192	2.1192	8.0779	1.0343	0.31887	0.52826	-5.7349	23412
ESAM	2.7696	2.7696	8.9058	1.0339	0.31908	0.52851	-5.7353	90952
WASHC3	1.8855	1.8855	5.8483	1.0339	0.31908	0.52851	-5.7353	51019
SRD5A3-AS1	-0.09087	0.090867	0.23901	-1.0337	0.31914	0.52855	-5.7355	1.01E+08
ADAMTS9	2.1721	2.1721	4.0847	1.0334	0.3193	0.52873	-5.7358	56999
TMEM223	-0.65786	0.65786	2.9019	-1.0333	0.31935	0.52873	-5.7359	79064
MCPH1-AS1	-0.07169	0.071694	0.15042	-1.0332	0.31936	0.52873	-5.736	1.01E+08
LHPP	-0.79897	0.79897	3.3647	-1.0332	0.31937	0.52873	-5.736	64077
MAK16	0.62776	0.62776	2.7777	1.0331	0.31942	0.52876	-5.7361	84549
ASRGL1	-0.30379	0.30379	0.52571	-1.033	0.31947	0.52879	-5.7362	80150
SLC2A5	-0.8121	0.8121	1.0659	-1.0329	0.31952	0.52881	-5.7363	6518
SBF2-AS1	-0.20323	0.20323	0.96648	-1.0325	0.31971	0.52905	-5.7367	283104
SMC2	0.44062	0.44062	1.9644	1.0324	0.31975	0.52905	-5.7368	10592
FAM98C	-1.0255	1.0255	4.4132	-1.0324	0.31976	0.52905	-5.7368	147965
SLC51B	-0.0826	0.082599	0.13306	-1.0322	0.31984	0.52911	-5.737	123264
PRR7	-0.1945	0.1945	1.0202	-1.0321	0.31986	0.52911	-5.737	80758
RBBP8	1.3797	1.3797	5.545	1.0321	0.31989	0.52911	-5.7371	5932
GPALPP1	-0.33111	0.33111	2.1356	-1.032	0.31992	0.52912	-5.7372	55425

TBCCD1	-0.23236	0.23236	2.0371	-1.0319	0.31998	0.52916	-5.7373	55171
KAZALD1	0.34893	0.34893	0.78904	1.0314	0.32018	0.52944	-5.7377	81621
APIP	0.67707	0.67707	2.7467	1.0313	0.32023	0.52947	-5.7379	51074
AXIN1	-0.89719	0.89719	4.6913	-1.0312	0.32029	0.52951	-5.738	8312
SP6	1.1865	1.1865	2.8011	1.031	0.32037	0.52961	-5.7382	80320
SULT1B1	0.092409	0.092409	0.10055	1.0302	0.32073	0.53014	-5.7389	27284
CKLF	1.6689	1.6689	3.7556	1.0301	0.32076	0.53014	-5.739	51192
TUSC2	1.032	1.032	4.6203	1.0296	0.32099	0.53047	-5.7395	11334
MEIS3	0.93174	0.93174	1.8973	1.0293	0.32116	0.5305	-5.7399	56917
ESYT3	1.803	1.803	3.977	1.0292	0.32118	0.5305	-5.7399	83850
ACACA	1.6848	1.6848	7.7745	1.0292	0.32118	0.5305	-5.7399	31
ZNF624	0.13394	0.13394	0.88573	1.0292	0.32119	0.5305	-5.7399	57547
DCXR	-3.2296	3.2296	12.314	-1.0292	0.32119	0.5305	-5.74	51181
LINC00957	-0.42228	0.42228	1.365	-1.0292	0.3212	0.5305	-5.74	255031
SOCS1	0.61461	0.61461	1.5873	1.0285	0.32151	0.53097	-5.7406	8651
SPG21	2.4738	2.4738	13.697	1.0282	0.32162	0.531	-5.7409	51324
ODF3B	-2.3324	2.3324	6.6703	-1.0282	0.32163	0.531	-5.7409	440836
TAF1B	0.85136	0.85136	3.2111	1.0282	0.32165	0.531	-5.741	9014
MEIS1	-0.41571	0.41571	2.6754	-1.0282	0.32166	0.531	-5.741	4211
ALOX12-AS1	-0.09955	0.099553	0.34309	-1.0281	0.32169	0.531	-5.741	1.01E+08
GRK3	-0.19045	0.19045	1.2888	-1.028	0.32176	0.53104	-5.7412	157
NPBWR1	0.10058	0.10058	0.14291	1.0279	0.32178	0.53104	-5.7412	2831
FOXP1	0.74422	0.74422	5.5738	1.0278	0.32181	0.53105	-5.7413	27086
AHCY	2.5485	2.5485	10.109	1.0276	0.32191	0.53113	-5.7415	191
CORO7-PAM16	-0.23684	0.23684	0.71797	-1.0276	0.32192	0.53113	-5.7415	1.01E+08
SH3RF3-AS1	-0.58847	0.58847	1.2807	-1.0273	0.32206	0.53127	-5.7418	1E+08

LGALS3BP	-6.582	6.582	16.784	-1.0272	0.32209	0.53127	-5.7419	3959
ATP2C1	1.47	1.47	8.934	1.0272	0.32211	0.53127	-5.7419	27032
UBTD1	1.7707	1.7707	6.7964	1.0271	0.32213	0.53127	-5.742	80019
ATAD2	0.44967	0.44967	2.0235	1.027	0.32217	0.53128	-5.7421	29028
TTI2	0.35677	0.35677	1.8358	1.0269	0.32225	0.53135	-5.7422	80185
CERS6-AS1	0.082345	0.082345	0.15883	1.0268	0.32229	0.53137	-5.7423	1.01E+08
GEMIN7	0.40341	0.40341	2.2388	1.0267	0.32233	0.53138	-5.7424	79760
KBTBD2	0.82104	0.82104	4.8509	1.0266	0.32238	0.53141	-5.7425	25948
TMEM14EP	-0.87861	0.87861	2.9593	-1.0261	0.3226	0.53173	-5.743	645843
GJA9-MYCBP	-0.13518	0.13518	0.7133	-1.026	0.32264	0.53173	-5.7431	1.01E+08
COQ7	-0.37455	0.37455	2.1805	-1.0258	0.32274	0.53183	-5.7433	10229
YTHDF2	2.45	2.45	13.361	1.0258	0.32276	0.53183	-5.7433	51441
PDIA3	8.146	8.146	37.47	1.0252	0.32302	0.53221	-5.7439	2923
GIPC2	-0.16826	0.16826	0.78758	-1.0247	0.32322	0.53246	-5.7443	54810
ITPKB-IT1	-0.11722	0.11722	0.27432	-1.0247	0.32324	0.53246	-5.7444	1.01E+08
LINC01752	-0.09482	0.094822	0.42488	-1.0245	0.3233	0.53252	-5.7445	1.02E+08
FCMR	0.31225	0.31225	0.74447	1.0245	0.32335	0.53252	-5.7446	9214
SLC37A2	8.9627	8.9627	11.512	1.0244	0.32337	0.53252	-5.7447	219855
ARHGEF9-IT1	-0.07014	0.070138	0.068389	-1.0243	0.3234	0.53253	-5.7447	1.01E+08
GMPPA	1.1199	1.1199	4.8138	1.0242	0.32348	0.5326	-5.7449	29926
MMP23A	0.17391	0.17391	0.17206	1.0238	0.32367	0.53286	-5.7453	8511
SACM1L	0.63347	0.63347	3.7582	1.0235	0.32377	0.53297	-5.7455	22908
PTX3	-6.1927	6.1927	3.9877	-1.0234	0.32381	0.53299	-5.7456	5806
ST3GAL6	-0.17904	0.17904	1.2086	-1.0234	0.32384	0.53299	-5.7457	10402
ARHGEF35	-1.2182	1.2182	6.3902	-1.0232	0.32394	0.5331	-5.7459	445328
IRF2BP2	-2.2289	2.2289	22.341	-1.023	0.32402	0.53318	-5.7461	359948

FAM234A	-1.2822	1.2822	6.5333	-1.0228	0.32409	0.53324	-5.7462	83986
PRKCD	1.0104	1.0104	6.3286	1.0226	0.32421	0.53333	-5.7465	5580
SYCE2	-0.08381	0.083806	0.2061	-1.0225	0.32422	0.53333	-5.7465	256126
FBLN1	-9.5623	9.5623	22.213	-1.0225	0.32424	0.53333	-5.7465	2192
MIR4453HG	-0.08695	0.086945	0.57459	-1.022	0.32446	0.5336	-5.747	54553
KCTD7	-0.24566	0.24566	1.2717	-1.022	0.32447	0.5336	-5.747	154881
CFAP157	-0.08903	0.089029	0.24618	-1.0218	0.32455	0.53364	-5.7472	286207
SEC22B	2.3905	2.3905	9.9712	1.0218	0.32455	0.53364	-5.7472	9554
TMCC2	0.17807	0.17807	0.64229	1.0217	0.32459	0.53365	-5.7473	9911
SPINT1-AS1	-0.9074	0.9074	2.8528	-1.0217	0.32462	0.53365	-5.7474	1.03E+08
COPE	7.1215	7.1215	28.394	1.0214	0.32472	0.53376	-5.7476	11316
AP2A2	-1.1669	1.1669	6.3424	-1.0211	0.32486	0.53392	-5.7479	161
GLE1	-0.63012	0.63012	4.7431	-1.0211	0.32488	0.53392	-5.7479	2733
MBNL3	-0.3073	0.3073	1.7989	-1.0209	0.32498	0.53403	-5.7481	55796
TENT2	-0.52317	0.52317	3.9888	-1.0207	0.32508	0.53414	-5.7483	167153
ADNP-AS1	-0.14657	0.14657	0.53207	-1.0204	0.32521	0.5343	-5.7486	1.02E+08
CLPP	2.635	2.635	10.117	1.02	0.3254	0.53456	-5.749	8192
INPP4A	-0.34323	0.34323	1.9928	-1.0198	0.32549	0.53466	-5.7492	3631
GNB2	15.92	15.92	70.163	1.0196	0.32555	0.53471	-5.7494	2783
NOL7	1.4703	1.4703	7.1115	1.0195	0.32562	0.53475	-5.7495	51406
LPAR6	1.105	1.105	5.0916	1.0194	0.32564	0.53475	-5.7495	10161
GHDC	-0.71816	0.71816	2.3381	-1.019	0.32583	0.535	-5.7499	84514
DHCR7	4.6753	4.6753	15.298	1.0177	0.32644	0.53596	-5.7512	1717
PTPN23	-1.5193	1.5193	8.2019	-1.0176	0.32648	0.53598	-5.7513	25930
PILRA	1.2568	1.2568	2.5298	1.0175	0.32652	0.53598	-5.7514	29992
SLC9B1	-0.06853	0.068527	0.12353	-1.0174	0.32657	0.53599	-5.7515	150159

ALG8	0.77485	0.77485	3.2019	1.0174	0.32659	0.53599	-5.7516	79053
RPS23	26.61	26.61	85.623	1.0171	0.32672	0.53616	-5.7519	6228
ZNF626	-0.15976	0.15976	0.60365	-1.0167	0.32689	0.53639	-5.7522	199777
ARHGAP4	-0.82813	0.82813	2.1998	-1.0166	0.32693	0.5364	-5.7523	393
CGREF1	-0.16321	0.16321	0.42918	-1.0163	0.32708	0.53659	-5.7526	10669
ZNF546	-0.07966	0.07966	0.20723	-1.016	0.3272	0.53663	-5.7529	339327
MCTP1	0.88344	0.88344	2.6675	1.016	0.32721	0.53663	-5.7529	79772
TLNRD1	1.6468	1.6468	5.4496	1.016	0.32721	0.53663	-5.7529	59274
ZNF592	-0.54466	0.54466	5.0572	-1.0159	0.32726	0.53663	-5.753	9640
MRPL46	1.0589	1.0589	4.7264	1.0159	0.32726	0.53663	-5.753	26589
BEX4	-1.0047	1.0047	3.3693	-1.0158	0.32729	0.53663	-5.7531	56271
LAMC1	5.5141	5.5141	19.881	1.0155	0.32744	0.53669	-5.7534	3915
ZNF398	-0.2983	0.2983	3.3535	-1.0155	0.32745	0.53669	-5.7534	57541
CYP19A1	-3.2082	3.2082	1.8483	-1.0154	0.32747	0.53669	-5.7534	1588
VNN2	0.96014	0.96014	1.0973	1.0152	0.32756	0.53669	-5.7536	8875
SNRPE	1.5543	1.5543	4.6069	1.0152	0.32757	0.53669	-5.7536	6635
MRPL2	-1.0933	1.0933	4.652	-1.0152	0.32758	0.53669	-5.7537	51069
CDC45	0.43061	0.43061	0.97732	1.0151	0.32761	0.53669	-5.7537	8318
BTN2A1	-0.43018	0.43018	2.7456	-1.0151	0.32763	0.53669	-5.7538	11120
UBXN7	-0.44276	0.44276	5.5147	-1.0151	0.32763	0.53669	-5.7538	26043
BCORL1	-0.27031	0.27031	1.3599	-1.0151	0.32764	0.53669	-5.7538	63035
LMO7-AS1	-0.13658	0.13658	0.31683	-1.0149	0.32772	0.53676	-5.754	1.02E+08
AAMDC	-0.45065	0.45065	1.7359	-1.0148	0.32776	0.53677	-5.7541	28971
RFX8	-0.16222	0.16222	0.37291	-1.0147	0.32781	0.53677	-5.7542	731220
NAAA	-0.42544	0.42544	2.0553	-1.0147	0.32782	0.53677	-5.7542	27163
PIH1D2	0.071239	0.071239	0.21175	1.0146	0.32786	0.53677	-5.7543	120379

ADAMTSL1	0.36633	0.36633	0.58811	1.0145	0.32789	0.53677	-5.7543	92949
ZNF177	-0.09144	0.09144	0.14745	-1.0144	0.32793	0.5368	-5.7544	7730
PTOV1-AS1	-0.19699	0.19699	1.532	-1.014	0.32812	0.53705	-5.7548	1.01E+08
CBR3	3.6026	3.6026	12.324	1.0139	0.32818	0.5371	-5.755	874
ZFYVE21	-1.9946	1.9946	12.586	-1.0135	0.32838	0.53735	-5.7554	79038
PGBD1	0.14396	0.14396	0.58362	1.0134	0.3284	0.53735	-5.7554	84547
PICK1	-0.68997	0.68997	3.5728	-1.0131	0.32853	0.53743	-5.7557	9463
CIR1	1.0366	1.0366	5.3878	1.0131	0.32854	0.53743	-5.7557	9541
ULK4P3	-0.06871	0.068706	0.12577	-1.0131	0.32854	0.53743	-5.7557	89837
AKIP1	0.9173	0.9173	2.8025	1.0129	0.32862	0.53748	-5.7559	56672
DHX8	-0.6322	0.6322	4.743	-1.0129	0.32864	0.53748	-5.7559	1659
STAB2	0.16797	0.16797	0.36884	1.0125	0.32881	0.5377	-5.7563	55576
ATR	-0.40121	0.40121	2.5823	-1.0123	0.32892	0.53781	-5.7565	545
UQCC2	1.4566	1.4566	5.1658	1.0123	0.32894	0.53781	-5.7565	84300
LOC100287896	-0.12465	0.12465	0.47588	-1.0122	0.32897	0.53782	-5.7566	1E+08
CD160	-0.14406	0.14406	0.35884	-1.012	0.32907	0.53793	-5.7568	11126
FAM13B	-0.57303	0.57303	3.3854	-1.0119	0.32911	0.53795	-5.7569	51306
CGGBP1	0.79191	0.79191	5.4453	1.0115	0.32927	0.53813	-5.7572	8545
FGF10	-0.50351	0.50351	0.74722	-1.0115	0.32929	0.53813	-5.7573	2255
LINC01140	0.16444	0.16444	0.36523	1.0114	0.32935	0.53818	-5.7574	339524
UNC119B	-0.79786	0.79786	4.5243	-1.0113	0.32939	0.53819	-5.7575	84747
ITPK1	-0.98545	0.98545	3.6735	-1.0107	0.32963	0.53853	-5.758	3705
VIM-AS1	0.12487	0.12487	0.31112	1.0105	0.32974	0.53861	-5.7582	1.01E+08
FBXO36	-0.18229	0.18229	1.0399	-1.0105	0.32976	0.53861	-5.7583	130888
SPATA13	-0.583	0.583	1.8801	-1.0104	0.32977	0.53861	-5.7583	221178
HYPK	-0.83283	0.83283	3.8731	-1.0102	0.32989	0.53874	-5.7585	25764

LINC00673	0.53607	0.53607	4.0221	1.0099	0.33001	0.53888	-5.7588	1E+08
STK4	0.68952	0.68952	4.1961	1.0099	0.33004	0.53888	-5.7589	6789
SPPL2A	1.8236	1.8236	10.365	1.0097	0.33013	0.53898	-5.7591	84888
AKR1B10	17.64	17.64	37.43	1.0094	0.33027	0.53916	-5.7593	57016
MRPL58	1.4889	1.4889	6.7762	1.0089	0.33049	0.53943	-5.7598	3396
POLB	2.0945	2.0945	5.4355	1.0089	0.3305	0.53943	-5.7598	5423
ZFHX4	-0.48227	0.48227	1.1477	-1.0084	0.3307	0.5397	-5.7602	79776
GAMT	-1.4461	1.4461	3.2889	-1.0083	0.33075	0.53973	-5.7604	2593
FAM76B	-0.28671	0.28671	1.3602	-1.0083	0.33079	0.53974	-5.7604	143684
SLC38A1	2.1045	2.1045	9.9852	1.0079	0.33095	0.53995	-5.7608	81539
HPS3	-0.33419	0.33419	1.6687	-1.0078	0.33099	0.53996	-5.7609	84343
ZNF22	1.0927	1.0927	3.3423	1.0077	0.33103	0.53997	-5.7609	7570
PDE4B	1.0991	1.0991	2.8225	1.0077	0.33106	0.53997	-5.761	5142
LOC102606465	0.1296	0.1296	0.49627	1.0073	0.33124	0.54021	-5.7614	1.03E+08
BAG4	-0.38929	0.38929	2.8288	-1.0072	0.33128	0.54023	-5.7615	9530
PKIG	2.6529	2.6529	7.0671	1.007	0.33138	0.54025	-5.7617	11142
LAMB1	6.719	6.719	21.561	1.007	0.33139	0.54025	-5.7617	3912
KIF26B	0.43948	0.43948	1.3424	1.007	0.33139	0.54025	-5.7617	55083
LINC01514	-0.08861	0.088605	0.12656	-1.0068	0.33146	0.54027	-5.7618	1.02E+08
RAPGEF4	0.7704	0.7704	3.0694	1.0068	0.33148	0.54027	-5.7619	11069
STUB1	3.7128	3.7128	16.267	1.0066	0.33154	0.54027	-5.762	10273
COL6A2	56.916	56.916	139.6	1.0066	0.33156	0.54027	-5.762	1292
FEM1A	-1.2347	1.2347	8.3582	-1.0066	0.33156	0.54027	-5.7621	55527
SF3A3	-1.3951	1.3951	8.8059	-1.0065	0.33161	0.5403	-5.7621	10946
CHIC1	-0.15926	0.15926	0.65391	-1.0062	0.33172	0.54042	-5.7624	53344
RN7SL3	3711.4	3711.4	12297	1.0061	0.33178	0.54047	-5.7625	378707

RAB6B	-0.27902	0.27902	0.6448	-1.0057	0.33199	0.54077	-5.7629	51560
DPM3	-1.5392	1.5392	6.7525	-1.0054	0.3321	0.54085	-5.7632	54344
SNAPIN	2.2294	2.2294	7.6273	1.0054	0.33211	0.54085	-5.7632	23557
CST6	16.066	16.066	39.369	1.0053	0.33215	0.54087	-5.7633	1474
ATG12	0.59509	0.59509	2.628	1.005	0.33229	0.54105	-5.7636	9140
ESRP2	3.2772	3.2772	14.785	1.0047	0.33244	0.54119	-5.7639	80004
RNF126	3.2603	3.2603	17.039	1.0047	0.33245	0.54119	-5.7639	55658
FABP6	-0.08865	0.088651	0.13295	-1.0041	0.33269	0.54154	-5.7644	2172
CDK3	0.15887	0.15887	0.32928	1.004	0.33276	0.54159	-5.7645	1018
HNRNPA3	-2.5671	2.5671	17.004	-1.0039	0.33281	0.54162	-5.7646	220988
MLLT10P1	-0.1994	0.1994	0.32223	-1.0038	0.33284	0.54162	-5.7647	140678
SMIM12	0.52688	0.52688	3.2615	1.0035	0.33298	0.5418	-5.765	113444
ERAP2	-0.57977	0.57977	1.6995	-1.0034	0.33303	0.54183	-5.7651	64167
BSG	11.975	11.975	49.849	1.0032	0.33315	0.54194	-5.7653	682
LEF1	0.22985	0.22985	1.1654	1.0031	0.33316	0.54194	-5.7654	51176
LINC00113	-0.07715	0.077151	0.071628	-1.003	0.33323	0.542	-5.7655	54088
BIRC6	-0.92939	0.92939	9.9386	-1.0029	0.33327	0.54202	-5.7656	57448
SLC6A15	0.20835	0.20835	0.48963	1.0025	0.33347	0.54229	-5.766	55117
XKR8	0.32166	0.32166	1.4426	1.0019	0.33375	0.54268	-5.7666	55113
TBX1	-0.9968	0.9968	4.078	-1.0018	0.33378	0.54269	-5.7667	6899
LINGO1	0.25293	0.25293	0.59114	1.0017	0.33383	0.54269	-5.7668	84894
CNOT2	1.066	1.066	7.5993	1.0017	0.33385	0.54269	-5.7668	4848
CYP24A1	0.38404	0.38404	0.84719	1.0015	0.33393	0.54276	-5.767	1591
PTPN2	0.5798	0.5798	3.1723	1.0013	0.33402	0.54286	-5.7671	5771
COPS8	1.4283	1.4283	5.6704	1.0012	0.33405	0.54286	-5.7672	10920
EHD3	0.45234	0.45234	1.8478	1.001	0.33417	0.54297	-5.7675	30845

DCP1A	-0.37207	0.37207	2.9877	-1.0009	0.33418	0.54297	-5.7675	55802
HADHB	2.9757	2.9757	15.84	1.0008	0.33424	0.54297	-5.7676	3032
ERH	4.6102	4.6102	17.537	1.0008	0.33425	0.54297	-5.7676	2079
TRIQK	0.30596	0.30596	1.2963	1.0004	0.33442	0.5432	-5.768	286144
UBE2G2	-0.80951	0.80951	8.1374	-1.0002	0.33451	0.54327	-5.7682	7327
ADGRG1	3.8558	3.8558	17.577	1.0002	0.33453	0.54327	-5.7682	9289
NPDC1	-2.8983	2.8983	8.3515	-1.0001	0.33456	0.54327	-5.7683	56654
ALOX12P2	-0.1761	0.1761	0.58167	-1.0001	0.33459	0.54327	-5.7683	245
FAM92A	0.27021	0.27021	0.90904	0.99961	0.3348	0.54356	-5.7688	137392
APOL1	-1.0675	1.0675	2.5697	-0.99934	0.33493	0.54372	-5.769	8542
PACERR	0.075164	0.075164	0.14162	0.9992	0.335	0.54377	-5.7692	1.04E+08
VAC14	-0.91576	0.91576	5.7488	-0.99859	0.33528	0.54416	-5.7698	55697
ZBTB11	0.39527	0.39527	3.2533	0.99854	0.3353	0.54416	-5.7698	27107
RPS27A	44.658	44.658	178.74	0.99838	0.33538	0.54423	-5.77	6233
FXYD3	8.0639	8.0639	31.514	0.99797	0.33557	0.54448	-5.7704	5349
SNRPB	10.153	10.153	39.568	0.99792	0.3356	0.54448	-5.7704	6628
CARS2	-0.38389	0.38389	3.6613	-0.99766	0.33572	0.54449	-5.7706	79587
TPRKB	0.65137	0.65137	2.4846	0.99765	0.33572	0.54449	-5.7707	51002
TIMM10	2.611	2.611	7.7596	0.99764	0.33573	0.54449	-5.7707	26519
AS-PTPRE	0.30663	0.30663	0.99541	0.99762	0.33573	0.54449	-5.7707	1.05E+08
ADAMTS5	-0.48806	0.48806	2.0706	-0.99742	0.33583	0.5446	-5.7709	11096
MSH2	-0.53054	0.53054	2.9896	-0.99696	0.33605	0.5449	-5.7713	4436
DNAJC8	3.0458	3.0458	14.149	0.99671	0.33616	0.54503	-5.7716	22826
DNAJB14	0.38993	0.38993	2.4851	0.99651	0.33625	0.54513	-5.7717	79982
ARHGEF39	-0.10445	0.10445	0.45037	-0.99604	0.33647	0.54543	-5.7722	84904
SKIV2L	-0.17058	0.17058	0.80835	-0.99571	0.33663	0.54564	-5.7725	6499

LINC02443	-0.06884	0.068838	0.069313	-0.995	0.33696	0.54611	-5.7732	1.02E+08
EFNA5	-0.59709	0.59709	4.7647	-0.99495	0.33699	0.54611	-5.7732	1946
SPINT2	13.811	13.811	59.73	0.99488	0.33702	0.54611	-5.7733	10653
PRMT5-AS1	-0.07305	0.073046	0.13737	-0.99474	0.33708	0.54616	-5.7734	1.01E+08
SYNGR2	7.9923	7.9923	41.011	0.99457	0.33716	0.54619	-5.7736	9144
PDCD6	1.903	1.903	9.4386	0.99456	0.33717	0.54619	-5.7736	10016
LRRK2	-0.23957	0.23957	1.5934	-0.99448	0.33721	0.54621	-5.7737	120892
ZNF518B	0.34122	0.34122	1.8544	0.99427	0.33731	0.54631	-5.7739	85460
INTS9	-0.3719	0.3719	2.4725	-0.99402	0.33742	0.5464	-5.7741	55756
CAPN5	-0.69944	0.69944	1.4518	-0.99401	0.33743	0.5464	-5.7741	726
MRPL45	1.1263	1.1263	6.3079	0.9936	0.33762	0.54666	-5.7745	84311
GLIS2	-0.74844	0.74844	2.3591	-0.99339	0.33772	0.54677	-5.7747	84662
TAF9B	-0.52758	0.52758	2.7665	-0.99307	0.33787	0.54696	-5.775	51616
TLE4	-0.3303	0.3303	3.1346	-0.993	0.3379	0.54696	-5.7751	7091
MRPL39	1.0232	1.0232	5.1227	0.99285	0.33797	0.54701	-5.7753	54148
TLR1	0.63002	0.63002	1.5466	0.9928	0.338	0.54701	-5.7753	7096
USF1	1.0748	1.0748	6.8877	0.99262	0.33808	0.54709	-5.7755	7391
NAB2	-1.4857	1.4857	6.7416	-0.99244	0.33817	0.54718	-5.7757	4665
DAB2IP	-1.8762	1.8762	9.4462	-0.99192	0.33841	0.54752	-5.7761	153090
TXNDC15	1.0625	1.0625	4.3753	0.99171	0.33851	0.54763	-5.7764	79770
MICAL1	1.219	1.219	5.5409	0.99155	0.33858	0.54765	-5.7765	64780
PREPL	-0.33396	0.33396	2.8707	-0.99155	0.33859	0.54765	-5.7765	9581
CPLX1	-0.27932	0.27932	0.84116	-0.99137	0.33867	0.54771	-5.7767	10815
ERBB3	-2.8251	2.8251	12.087	-0.99132	0.33869	0.54771	-5.7767	2065
SLFN12L	-0.11489	0.11489	0.27381	-0.99112	0.33879	0.54779	-5.7769	1.01E+08
LRRN3	-0.19205	0.19205	0.5147	-0.99109	0.3388	0.54779	-5.7769	54674

ZNF45	-0.18401	0.18401	1.5001	-0.99086	0.33891	0.54791	-5.7772	7596
RANBP1	2.9907	2.9907	9.5363	0.99055	0.33906	0.54809	-5.7775	5902
IBTK	0.67232	0.67232	4.1911	0.99041	0.33912	0.54815	-5.7776	25998
SYTL4	0.27488	0.27488	0.83558	0.9902	0.33922	0.54826	-5.7778	94121
SH3RF2	-5.6463	5.6463	20.056	-0.98994	0.33934	0.54838	-5.778	153769
GLYCTK	-0.25806	0.25806	1.2724	-0.9899	0.33936	0.54838	-5.7781	132158
MSANTD4	-0.23934	0.23934	1.3437	-0.98979	0.33941	0.54841	-5.7782	84437
MACF1	5.7463	5.7463	44.01	0.98954	0.33953	0.54854	-5.7784	23499
CFAP45	-0.09283	0.092829	0.29424	-0.98948	0.33956	0.54854	-5.7785	25790
FGF1	0.091441	0.091441	0.20732	0.98936	0.33962	0.54858	-5.7786	2246
LRCH1	-0.55378	0.55378	3.351	-0.98923	0.33968	0.54863	-5.7787	23143
ACP1	1.9432	1.9432	9.285	0.98914	0.33972	0.54864	-5.7788	52
DM1-AS	-0.22697	0.22697	0.39735	-0.98893	0.33982	0.54875	-5.779	1.1E+08
NOC3L	0.4666	0.4666	2.6398	0.98883	0.33987	0.54876	-5.7791	64318
THOC6	-1.1546	1.1546	5.2761	-0.98878	0.33989	0.54876	-5.7791	79228
SYCP3	-0.07172	0.071723	0.097222	-0.98855	0.34	0.54888	-5.7794	50511
CCDC93	-0.4026	0.4026	3.3619	-0.98827	0.34013	0.54904	-5.7796	54520
OPN4	-0.09133	0.091334	0.17894	-0.98813	0.3402	0.5491	-5.7798	94233
ADGRL3	-0.24338	0.24338	0.70737	-0.98801	0.34025	0.54914	-5.7799	23284
NOL6	-1.3316	1.3316	6.5878	-0.98765	0.34043	0.54936	-5.7802	65083
EID3	-0.16761	0.16761	1.2065	-0.98727	0.3406	0.54959	-5.7806	493861
FOPNL	0.82636	0.82636	4.6204	0.98671	0.34087	0.54997	-5.7811	123811
PANK1	-0.19711	0.19711	0.73283	-0.98652	0.34096	0.55005	-5.7813	53354
SECISBP2L	0.86447	0.86447	5.2061	0.9863	0.34106	0.55005	-5.7815	9728
FMNL3	1.081	1.081	3.37	0.98628	0.34107	0.55005	-5.7815	91010
RPL35A	31.29	31.29	119.26	0.98627	0.34108	0.55005	-5.7815	6165

POLR3H	-1.0398	1.0398	5.302	-0.98624	0.34109	0.55005	-5.7816	171568
ZNF341	-0.1443	0.1443	0.86378	-0.98619	0.34112	0.55005	-5.7816	84905
SGCD	0.46233	0.46233	1.0212	0.98597	0.34122	0.55015	-5.7818	6444
DDIT4	12.521	12.521	36.593	0.98587	0.34126	0.55015	-5.7819	54541
KATNB1	-1.4067	1.4067	6.3697	-0.98578	0.34131	0.55015	-5.782	10300
CCDC144B	-0.81463	0.81463	1.908	-0.98564	0.34138	0.55015	-5.7821	284047
ELOVL7	4.4107	4.4107	8.3586	0.98562	0.34138	0.55015	-5.7821	79993
GLT8D1	0.93607	0.93607	3.8666	0.98547	0.34146	0.55015	-5.7823	55830
SENP7	-0.37936	0.37936	2.098	-0.98546	0.34146	0.55015	-5.7823	57337
RPAP2	0.32714	0.32714	2.7648	0.98535	0.34151	0.55015	-5.7824	79871
ZNF236-DT	-0.10257	0.10257	0.24144	-0.98524	0.34156	0.55015	-5.7825	1E+08
MSC-AS1	0.22455	0.22455	0.45887	0.98524	0.34157	0.55015	-5.7825	1E+08
SLC29A4	0.2814	0.2814	0.70012	0.98523	0.34157	0.55015	-5.7825	222962
ABCA7	-0.95508	0.95508	2.306	-0.98519	0.34159	0.55015	-5.7826	10347
USP12	0.6926	0.6926	4.8392	0.98517	0.3416	0.55015	-5.7826	219333
RBMS2	-0.90692	0.90692	4.9618	-0.98459	0.34187	0.55054	-5.7831	5939
MRPS12	1.6792	1.6792	6.1399	0.98452	0.34191	0.55054	-5.7832	6183
UTP18	0.83543	0.83543	6.8677	0.98406	0.34212	0.55076	-5.7836	51096
SLC12A4	-1.6694	1.6694	7.2783	-0.98405	0.34213	0.55076	-5.7836	6560
NTSR1	0.20798	0.20798	0.31667	0.98401	0.34215	0.55076	-5.7837	4923
MRPS27	-0.908	0.908	6.5008	-0.98395	0.34218	0.55076	-5.7837	23107
LZIC	0.35403	0.35403	3.3114	0.98388	0.34221	0.55077	-5.7838	84328
CPNE8	0.48311	0.48311	1.8785	0.98318	0.34254	0.55124	-5.7845	144402
UPK1A	3.7235	3.7235	3.739	0.98305	0.34261	0.55124	-5.7846	11045
SNORD134	-0.18451	0.18451	0.48327	-0.98304	0.34261	0.55124	-5.7846	1.07E+08
OGFOD1	0.75844	0.75844	4.5606	0.98296	0.34265	0.55124	-5.7847	55239

CERS4	7.0895	7.0895	18.115	0.98287	0.34269	0.55124	-5.7848	79603
VSIG1	0.074045	0.074045	0.16019	0.98285	0.3427	0.55124	-5.7848	340547
TXLNGY	-0.36345	0.36345	1.38	-0.98273	0.34275	0.55127	-5.7849	246126
SNORA24	1.1724	1.1724	5.7565	0.98236	0.34293	0.55148	-5.7852	677809
RAD1	-0.2	0.2	1.8928	-0.98229	0.34296	0.55148	-5.7853	5810
ENDOG	0.82665	0.82665	3.2681	0.98226	0.34298	0.55148	-5.7853	2021
TMEM200A	0.32312	0.32312	0.7939	0.98209	0.34306	0.5515	-5.7855	114801
ZNF777	-0.50605	0.50605	2.7611	-0.98203	0.34309	0.5515	-5.7856	27153
ATP5MC3	2.3532	2.3532	9.1679	0.98197	0.34312	0.5515	-5.7856	518
ERCC3	-0.48134	0.48134	5.6497	-0.98191	0.34314	0.5515	-5.7857	2071
AK8	-0.128	0.128	0.46275	-0.98184	0.34318	0.5515	-5.7857	158067
TBC1D2B	-1.5923	1.5923	7.5191	-0.98181	0.34319	0.5515	-5.7858	23102
CLDN7	1.223	1.223	1.9231	0.98171	0.34324	0.55153	-5.7859	1366
BBOF1	0.1636	0.1636	0.62781	0.98159	0.3433	0.55157	-5.786	80127
LOC100128568	-0.23475	0.23475	0.38118	-0.9814	0.34339	0.55166	-5.7862	1E+08
RNF208	0.77555	0.77555	2.6555	0.98117	0.3435	0.55178	-5.7864	727800
IL1RAP	0.81598	0.81598	2.956	0.98109	0.34354	0.5518	-5.7865	3556
PUS3	0.46996	0.46996	2.0335	0.98092	0.34362	0.55187	-5.7866	83480
ADAM28	-0.10535	0.10535	0.28438	-0.98078	0.34368	0.55192	-5.7867	10863
ZNF580	-1.1475	1.1475	4.6059	-0.9804	0.34386	0.55216	-5.7871	51157
WASHC2C	-0.70253	0.70253	5.3319	-0.98018	0.34397	0.55227	-5.7873	253725
PRDX6	8.5355	8.5355	36.204	0.9801	0.344	0.55227	-5.7874	9588
MPV17	2.067	2.067	8.7056	0.98006	0.34403	0.55227	-5.7874	4358
KMT5A	1.8259	1.8259	11.165	0.97982	0.34414	0.55239	-5.7877	387893
CITED2	6.1945	6.1945	18.894	0.97975	0.34417	0.55239	-5.7877	10370
RAP1GAP2	-0.36286	0.36286	1.9494	-0.97966	0.34421	0.55241	-5.7878	23108

HNRNPDL	-1.8745	1.8745	13.451	-0.97954	0.34427	0.55245	-5.7879	9987
TLR6	0.15964	0.15964	0.56747	0.97946	0.34431	0.55246	-5.788	10333
NSFP1	0.23848	0.23848	0.32577	0.97898	0.34454	0.55276	-5.7884	728806
ETS2	5.7682	5.7682	30.767	0.97893	0.34456	0.55276	-5.7885	2114
TGFB3	1.9183	1.9183	4.3863	0.97877	0.34464	0.55283	-5.7886	7043
STEAP2	0.71884	0.71884	1.6752	0.97859	0.34473	0.5529	-5.7888	261729
TBPL1	0.31962	0.31962	1.5899	0.97853	0.34475	0.5529	-5.7889	9519
LMTK2	1.0027	1.0027	5.8737	0.97848	0.34478	0.5529	-5.7889	22853
TRPV2	0.54862	0.54862	1.8477	0.97839	0.34482	0.55291	-5.789	51393
GRIN2C	-0.10128	0.10128	0.16986	-0.97819	0.34491	0.55301	-5.7892	2905
PRSS53	-1.8676	1.8676	3.294	-0.97809	0.34496	0.55304	-5.7893	339105
AATF	-1.3759	1.3759	8.0191	-0.9777	0.34515	0.55328	-5.7897	26574
GXYLT2	1.343	1.343	2.6394	0.97752	0.34524	0.55337	-5.7898	727936
DOCK9	-2.113	2.113	13.194	-0.97737	0.34531	0.55343	-5.79	23348
MIR5010	-0.09068	0.090682	0.12237	-0.97724	0.34537	0.55343	-5.7901	1.01E+08
POLDIP2	3.5699	3.5699	16.843	0.97723	0.34537	0.55343	-5.7901	26073
B3GNT9	0.81285	0.81285	3.6722	0.97686	0.34555	0.55363	-5.7904	84752
QPCT	-1.9352	1.9352	5.3291	-0.97684	0.34556	0.55363	-5.7905	25797
STMN1	1.453	1.453	4.4748	0.97674	0.34561	0.55365	-5.7906	3925
ARMH3	0.40156	0.40156	4.8127	0.97661	0.34567	0.55368	-5.7907	79591
LY6D	78.276	78.276	234.46	0.97656	0.34569	0.55368	-5.7907	8581
THAP3	-0.22183	0.22183	0.96542	-0.97623	0.34585	0.55388	-5.791	90326
CUBN	-0.10545	0.10545	0.33922	-0.97611	0.34591	0.55392	-5.7912	8029
SELPLG	0.69536	0.69536	1.9414	0.976	0.34596	0.55395	-5.7913	6404
TRAPPC4	1.7769	1.7769	6.028	0.97521	0.34634	0.55441	-5.792	51399
SPATA7	-0.26178	0.26178	1.1881	-0.97514	0.34637	0.55441	-5.7921	55812

HDDC2	1.413	1.413	5.3898	0.9751	0.34639	0.55441	-5.7921	51020
RPS12	157.57	157.57	574.06	0.97503	0.34643	0.55441	-5.7922	6206
CCNB2	0.96305	0.96305	2.5273	0.97492	0.34648	0.55441	-5.7923	9133
CYTIP	0.51017	0.51017	1.5034	0.97485	0.34651	0.55441	-5.7923	9595
LINC02595	-0.54034	0.54034	1.8643	-0.97481	0.34653	0.55441	-5.7924	401585
XPO6	1.6901	1.6901	11.755	0.9748	0.34654	0.55441	-5.7924	23214
NUDT21	-1.1083	1.1083	6.8581	-0.97478	0.34655	0.55441	-5.7924	11051
PIWIL4	-0.08128	0.081284	0.22061	-0.97427	0.34679	0.55475	-5.7929	143689
PLCD4	0.259	0.259	1.3127	0.97415	0.34685	0.55479	-5.793	84812
RUSC2	-0.77091	0.77091	3.9453	-0.97403	0.3469	0.55481	-5.7931	9853
ATP12A	1.6081	1.6081	2.3419	0.97399	0.34692	0.55481	-5.7931	479
TYMP	24.576	24.576	55.626	0.97383	0.347	0.55488	-5.7933	1890
FABP4	-3.0722	3.0722	6.198	-0.97375	0.34704	0.55489	-5.7934	2167
SLC25A45	-0.17238	0.17238	0.61335	-0.97362	0.3471	0.5549	-5.7935	283130
VHL	-0.74506	0.74506	5.0735	-0.97354	0.34714	0.5549	-5.7936	7428
ROGDI	0.6713	0.6713	2.3499	0.97352	0.34715	0.5549	-5.7936	79641
SNORA72	-0.0834	0.083401	0.090676	-0.97329	0.34726	0.55496	-5.7938	26775
PPP4R3A	1.1999	1.1999	8.8524	0.97326	0.34727	0.55496	-5.7938	55671
TOMM20	-2.9834	2.9834	19.451	-0.97321	0.3473	0.55496	-5.7939	9804
GSR	-0.74593	0.74593	3.6751	-0.97317	0.34732	0.55496	-5.7939	2936
VRK3	0.41325	0.41325	3.1147	0.97307	0.34736	0.55499	-5.794	51231
PPAT	0.23402	0.23402	1.3013	0.97267	0.34756	0.55524	-5.7944	5471
CCDC90B	0.32234	0.32234	1.8158	0.97251	0.34763	0.55531	-5.7945	60492
EMC8	0.84694	0.84694	4.0578	0.97244	0.34767	0.55531	-5.7946	10328
ZNF408	0.41304	0.41304	2.1175	0.97237	0.3477	0.55531	-5.7947	79797
PAOX	-0.45851	0.45851	1.7053	-0.97213	0.34781	0.55541	-5.7949	196743

SLC3A2	5.7515	5.7515	24.568	0.9721	0.34783	0.55541	-5.7949	6520
SCRG1	-0.08609	0.086085	0.14667	-0.97197	0.34789	0.55546	-5.795	11341
GATD3B	-1.4085	1.4085	6.3946	-0.97175	0.348	0.55553	-5.7952	1.03E+08
KDM2B	-0.61739	0.61739	4.7265	-0.97169	0.34802	0.55553	-5.7953	84678
PIIB	25.33	25.33	84.645	0.97168	0.34803	0.55553	-5.7953	5479
KDM4B	-0.9318	0.9318	5.8694	-0.97112	0.3483	0.5559	-5.7958	23030
LOC100289473	-0.10443	0.10443	0.22337	-0.97088	0.34842	0.55596	-5.7961	1E+08
ZNF805	-0.20305	0.20305	1.8572	-0.97087	0.34842	0.55596	-5.7961	390980
LOC100507351	-0.0908	0.090799	0.1774	-0.97075	0.34848	0.55596	-5.7962	1.01E+08
CCDC107	0.65805	0.65805	3.2259	0.97071	0.3485	0.55596	-5.7962	203260
FAM200A	0.20254	0.20254	0.84096	0.9707	0.3485	0.55596	-5.7962	221786
MMAA	-0.11342	0.11342	0.72291	-0.97057	0.34857	0.55599	-5.7964	166785
C11orf68	1.7028	1.7028	7.7188	0.97047	0.34861	0.55599	-5.7964	83638
RPS6KA1	-1.4218	1.4218	5.0852	-0.97039	0.34865	0.55599	-5.7965	6195
TBC1D1	0.89177	0.89177	2.9364	0.97039	0.34865	0.55599	-5.7965	23216
MIF	41.665	41.665	137.65	0.97027	0.34871	0.55603	-5.7966	4282
TNFSF8	0.18024	0.18024	0.44607	0.96995	0.34886	0.55617	-5.7969	944
DPYSL2	-3.8571	3.8571	16.067	-0.96994	0.34886	0.55617	-5.7969	1808
ZNF77	-0.10744	0.10744	1.0288	-0.96977	0.34895	0.55625	-5.7971	58492
RHOC	8.3187	8.3187	28.877	0.96951	0.34908	0.55641	-5.7974	389
GPRIN3	0.34967	0.34967	0.94877	0.96941	0.34912	0.55642	-5.7974	285513
PODXL	2.5157	2.5157	8.0464	0.96925	0.3492	0.55649	-5.7976	5420
TMEM71	0.19487	0.19487	0.45563	0.96882	0.34941	0.55678	-5.798	137835
KIF2C	0.49026	0.49026	1.2684	0.96871	0.34946	0.55681	-5.7981	11004
ACYP1	0.2341	0.2341	1.2826	0.96857	0.34953	0.55686	-5.7982	97
COX8A	20.104	20.104	77.128	0.96788	0.34986	0.55731	-5.7989	1351

TONSL-AS1	0.066622	0.066622	0.16301	0.96785	0.34987	0.55731	-5.7989	1E+08
OTOP2	0.42085	0.42085	0.85178	0.96757	0.35001	0.55747	-5.7992	92736
RBM3	8.3142	8.3142	33.578	0.96747	0.35006	0.5575	-5.7993	5935
LOC100126584	-0.08933	0.089327	0.20514	-0.96732	0.35013	0.55755	-5.7994	1E+08
CNTNAP3P2	-0.25019	0.25019	0.67928	-0.96709	0.35024	0.55768	-5.7996	643827
C1GALT1	0.36697	0.36697	1.6601	0.96675	0.3504	0.55789	-5.7999	56913
MBTPS1	-1.1774	1.1774	10.995	-0.96659	0.35048	0.55793	-5.8001	8720
ZNF511	1.6315	1.6315	5.4766	0.96656	0.3505	0.55793	-5.8001	118472
ALYREF	2.7373	2.7373	13.465	0.96642	0.35056	0.55798	-5.8002	10189
PTGES3	3.3936	3.3936	17.687	0.96636	0.35059	0.55798	-5.8003	10728
MRPL35	0.59838	0.59838	2.6998	0.96601	0.35076	0.5582	-5.8006	51318
SNORA17B	-3.5879	3.5879	14.17	-0.96569	0.35091	0.55839	-5.8009	677824
GNPTAB	-0.69787	0.69787	5.7346	-0.96549	0.35101	0.55849	-5.8011	79158
MTCL1	-1.4569	1.4569	3.939	-0.96543	0.35104	0.55849	-5.8012	23255
PARS2	-0.14553	0.14553	0.81495	-0.96527	0.35112	0.55855	-5.8013	25973
PDPK1	-0.66586	0.66586	6.4321	-0.96497	0.35126	0.55867	-5.8016	5170
CCDC85C	2.2394	2.2394	8.5118	0.96493	0.35128	0.55867	-5.8016	317762
ICE2	-0.21683	0.21683	1.5632	-0.96492	0.35129	0.55867	-5.8016	79664
ZWINT	0.71977	0.71977	2.1683	0.9647	0.3514	0.55878	-5.8019	11130
ADAMDEC1	-1.0326	1.0326	0.93361	-0.96441	0.35153	0.55884	-5.8021	27299
KANK3	-0.59455	0.59455	2.0647	-0.9644	0.35154	0.55884	-5.8021	256949
TPTEP2	-0.12528	0.12528	0.54148	-0.96438	0.35155	0.55884	-5.8021	400927
TTC25	-0.06753	0.067527	0.14843	-0.96434	0.35157	0.55884	-5.8022	83538
ASB13	-0.70316	0.70316	3.405	-0.96428	0.3516	0.55884	-5.8022	79754
CLK4	0.33902	0.33902	2.7942	0.96404	0.35171	0.55888	-5.8025	57396
TMEM179B	-1.8393	1.8393	10.298	-0.96403	0.35172	0.55888	-5.8025	374395

MRPL52	1.0828	1.0828	4.5223	0.96401	0.35173	0.55888	-5.8025	122704
TFCP2	-0.45554	0.45554	3.9205	-0.96395	0.35175	0.55888	-5.8025	7024
RIBC2	-0.07794	0.077936	0.20283	-0.96374	0.35186	0.55891	-5.8027	26150
COL9A3	-0.36269	0.36269	0.87931	-0.96372	0.35187	0.55891	-5.8028	1299
ITM2A	-1.1809	1.1809	4.8091	-0.96371	0.35187	0.55891	-5.8028	9452
LCE1F	72.75	72.75	87.167	0.96363	0.35191	0.55891	-5.8028	353137
MTHFD2L	0.19699	0.19699	0.8953	0.96353	0.35196	0.55891	-5.8029	441024
LOC105373100	-0.09566	0.095659	0.16639	-0.96345	0.352	0.55891	-5.803	1.05E+08
C2CD4C	0.083149	0.083149	0.21281	0.96343	0.35201	0.55891	-5.803	126567
QKI	0.60595	0.60595	4.2299	0.96313	0.35215	0.55899	-5.8033	9444
GZMH	0.1786	0.1786	0.34377	0.96303	0.3522	0.55899	-5.8034	2999
LBP	-1.13	1.13	1.0686	-0.96293	0.35225	0.55899	-5.8035	3929
ISYNA1	-0.53065	0.53065	1.636	-0.96293	0.35225	0.55899	-5.8035	51477
TCF25	-2.4357	2.4357	16.874	-0.96289	0.35227	0.55899	-5.8035	22980
CD163	-5.4372	5.4372	11.047	-0.96285	0.35229	0.55899	-5.8036	9332
PARP1	-2.3636	2.3636	8.6667	-0.96283	0.3523	0.55899	-5.8036	142
FUS	-1.8299	1.8299	10.783	-0.96278	0.35232	0.55899	-5.8036	2521
SWI5	0.93523	0.93523	3.4021	0.96264	0.35239	0.55905	-5.8038	375757
NEGR1	-0.56053	0.56053	1.1895	-0.9624	0.35251	0.55918	-5.804	257194
SLC52A2	1.7671	1.7671	6.7937	0.9623	0.35255	0.55921	-5.8041	79581
MUL1	1.0277	1.0277	5.8026	0.96222	0.3526	0.55922	-5.8042	79594
EMC3	0.79679	0.79679	4.6714	0.96202	0.35269	0.55931	-5.8043	55831
TUBG2	-0.50163	0.50163	2.9724	-0.96186	0.35277	0.55939	-5.8045	27175
MAP7D3	0.25782	0.25782	1.0251	0.96174	0.35282	0.55942	-5.8046	79649
DENND1C	-0.34978	0.34978	1.5343	-0.9616	0.35289	0.55948	-5.8047	79958
ARHGDI1A	16.136	16.136	63.259	0.96123	0.35307	0.55971	-5.8051	396

CIDEA	1.6647	1.6647	2.2386	0.96106	0.35316	0.55979	-5.8052	1149
EIF5B	1.9671	1.9671	8.4854	0.96075	0.35331	0.5598	-5.8055	9669
ANKHD1-EIF4EBP3	-0.8173	0.8173	6.6226	-0.96055	0.3534	0.5598	-5.8057	404734
SLC15A4	0.63736	0.63736	4.0669	0.96053	0.35341	0.5598	-5.8057	121260
TPGS1	1.071	1.071	3.7671	0.96044	0.35346	0.5598	-5.8058	91978
MYLK-AS2	-0.07808	0.07808	0.099424	-0.96042	0.35347	0.5598	-5.8058	1.01E+08
BOD1L1	-0.73736	0.73736	5.0657	-0.96041	0.35347	0.5598	-5.8058	259282
SPIN1	0.96903	0.96903	8.2675	0.96038	0.35348	0.5598	-5.8059	10927
CBS	-0.08718	0.087184	0.17248	-0.96038	0.35349	0.5598	-5.8059	875
CIDEB	-1.0674	1.0674	4.3644	-0.96034	0.3535	0.5598	-5.8059	27141
DIAPH3	0.17976	0.17976	0.54857	0.96033	0.35351	0.5598	-5.8059	81624
FOXO3	-1.0337	1.0337	9.9693	-0.96023	0.35356	0.5598	-5.806	2309
WHAMMP1	-0.65248	0.65248	4.1539	-0.96023	0.35356	0.5598	-5.806	1E+08
RAB3B	-0.13934	0.13934	0.34059	-0.96012	0.35361	0.55983	-5.8061	5865
DMTN	-0.47704	0.47704	2.7047	-0.95993	0.3537	0.55992	-5.8063	2039
DDRKG1	-2.214	2.214	10.264	-0.95945	0.35394	0.56024	-5.8067	65992
JAML	0.50248	0.50248	1.5386	0.95933	0.35399	0.56026	-5.8068	120425
FAT4	1.6756	1.6756	4.102	0.95929	0.35401	0.56026	-5.8069	79633
SP140L	-0.23281	0.23281	1.1523	-0.95891	0.3542	0.5605	-5.8072	93349
MIR17HG	-0.12918	0.12918	0.50723	-0.95876	0.35427	0.56056	-5.8074	407975
CHD9	-0.83584	0.83584	5.9057	-0.95861	0.35435	0.56063	-5.8075	80205
TEPSIN	-0.70023	0.70023	3.2902	-0.95844	0.35443	0.5607	-5.8077	146705
TRAPPC1	4.8548	4.8548	22.018	0.95838	0.35446	0.5607	-5.8077	58485
RRAD	1.4928	1.4928	2.0329	0.95825	0.35452	0.56073	-5.8079	6236
PNOC	-0.06265	0.062647	0.070421	-0.9582	0.35454	0.56073	-5.8079	5368
TMEM91	-0.57321	0.57321	2.6666	-0.95787	0.35471	0.56093	-5.8082	641649

UTY	-0.51636	0.51636	2.9161	-0.95774	0.35477	0.56097	-5.8083	7404
TOP2B	-1.3246	1.3246	10.261	-0.95769	0.35479	0.56097	-5.8084	7155
ALDH16A1	-1.8271	1.8271	6.2849	-0.95751	0.35488	0.56105	-5.8085	126133
ANKRD17	-0.91006	0.91006	9.8072	-0.95714	0.35506	0.56129	-5.8089	26057
CD177	0.51452	0.51452	0.79433	0.95681	0.35522	0.56143	-5.8092	57126
ZNF542P	0.2131	0.2131	0.98796	0.95674	0.35526	0.56143	-5.8092	147947
GTF2IP1	0.54678	0.54678	2.3611	0.95671	0.35527	0.56143	-5.8093	2970
DBIL5P	-0.0836	0.0836	0.21031	-0.95667	0.35529	0.56143	-5.8093	1E+08
IGFBP7	39.033	39.033	88.828	0.95658	0.35534	0.56145	-5.8094	3490
NOTCH2NLR	3.3741	3.3741	10.469	0.95651	0.35537	0.56145	-5.8095	1.02E+08
BUB1B	0.35913	0.35913	1.0472	0.95628	0.35548	0.56157	-5.8097	701
LOC400627	-0.12209	0.12209	0.31292	-0.95616	0.35554	0.56158	-5.8098	400627
TMEM258	7.587	7.587	24.176	0.95614	0.35555	0.56158	-5.8098	746
NUDCD2	-0.13763	0.13763	0.97645	-0.95574	0.35575	0.56184	-5.8102	134492
PROX1	0.21655	0.21655	0.7702	0.95565	0.35579	0.56185	-5.8103	5629
MAP1B	-1.6825	1.6825	6.2385	-0.95557	0.35583	0.56186	-5.8103	4131
ARHGEF6	-0.5785	0.5785	2.3876	-0.95518	0.35601	0.5621	-5.8107	9459
GADD45GIP1	4.2893	4.2893	14.074	0.95504	0.35609	0.56213	-5.8108	90480
SNORA120	-0.15768	0.15768	0.21329	-0.95496	0.35612	0.56213	-5.8109	1.1E+08
ST7-AS2	-0.07587	0.075874	0.20783	-0.95488	0.35616	0.56213	-5.811	93654
RAPGEF1	-1.4693	1.4693	7.1788	-0.95488	0.35616	0.56213	-5.811	2889
RNF20	-0.83843	0.83843	5.0913	-0.95464	0.35628	0.56226	-5.8112	56254
KCTD15	-1.6391	1.6391	10.067	-0.95451	0.35634	0.56231	-5.8113	79047
SNORA9	0.41487	0.41487	1.4576	0.95428	0.35646	0.56244	-5.8115	677798
DVL1	2.8711	2.8711	13.69	0.95414	0.35652	0.56249	-5.8116	1855
SLC38A5	2.1871	2.1871	7.0256	0.95371	0.35674	0.56277	-5.8121	92745

VN1R1	-0.11029	0.11029	0.26267	-0.95356	0.3568	0.56283	-5.8122	57191
ZBED5-AS1	0.58183	0.58183	2.0934	0.95338	0.35689	0.56287	-5.8124	729013
SNHG18	0.60104	0.60104	1.7263	0.95332	0.35693	0.56287	-5.8124	1.01E+08
GTF2I	-3.2152	3.2152	28.178	-0.95324	0.35696	0.56287	-5.8125	2969
PMM1	1.3156	1.3156	5.877	0.95324	0.35697	0.56287	-5.8125	5372
KLK13	3.8699	3.8699	7.2739	0.95294	0.35711	0.56302	-5.8128	26085
SLC1A4	-1.1761	1.1761	6.1048	-0.9529	0.35713	0.56302	-5.8128	6509
CDKN2B	3.6209	3.6209	11.709	0.95274	0.35721	0.56309	-5.8129	1030
CRYL1	1.252	1.252	4.5439	0.95237	0.35739	0.56333	-5.8133	51084
MFSD5	2.8345	2.8345	10.421	0.95227	0.35744	0.56335	-5.8134	84975
GINM1	1.3025	1.3025	10.432	0.952	0.35757	0.56351	-5.8136	116254
ARNT2	-0.39716	0.39716	0.72603	-0.95182	0.35766	0.56353	-5.8138	9915
ITSN1	-0.38278	0.38278	2.0541	-0.9518	0.35767	0.56353	-5.8138	6453
EIF3H	6.5808	6.5808	41.364	0.95176	0.35769	0.56353	-5.8138	8667
BCAM	-3.0432	3.0432	10.683	-0.9516	0.35777	0.56361	-5.814	4059
VCAM1	1.4885	1.4885	3.0513	0.9509	0.35811	0.56409	-5.8146	7412
GPATCH11	0.27068	0.27068	1.6875	0.95073	0.35819	0.56417	-5.8148	253635
GCC1	-0.38023	0.38023	3.0845	-0.95041	0.35835	0.56436	-5.8151	79571
LOC108783654	-0.57161	0.57161	3.0221	-0.95031	0.3584	0.56436	-5.8152	1.09E+08
CHCHD2	13.229	13.229	53.135	0.95028	0.35841	0.56436	-5.8152	51142
LOC101928335	-0.06784	0.067835	0.15117	-0.94985	0.35862	0.56461	-5.8156	1.02E+08
NUP54	0.90007	0.90007	4.6103	0.94977	0.35866	0.56461	-5.8157	53371
DDX11	-0.65681	0.65681	2.2564	-0.94976	0.35867	0.56461	-5.8157	1663
FGF13	-0.13276	0.13276	0.30804	-0.94967	0.35871	0.56462	-5.8158	2258
PERM1	-0.46369	0.46369	1.8344	-0.94943	0.35883	0.56472	-5.816	84808
POMGNT2	-0.47478	0.47478	2.2148	-0.9494	0.35884	0.56472	-5.816	84892

SNORA84	-0.38628	0.38628	0.7321	-0.94903	0.35903	0.56496	-5.8164	1E+08
TNC	35.887	35.887	71.387	0.94862	0.35923	0.56522	-5.8167	3371
PIEZO2	0.18031	0.18031	0.53845	0.94833	0.35937	0.56539	-5.817	63895
MTLN	0.55266	0.55266	2.1033	0.94807	0.35949	0.56554	-5.8172	205251
ECSCR	2.1927	2.1927	5.6155	0.94798	0.35954	0.56556	-5.8173	641700
C7orf31	-0.12359	0.12359	0.43337	-0.94738	0.35984	0.56597	-5.8179	136895
SPSB3	-2.8598	2.8598	12.133	-0.94719	0.35993	0.56606	-5.8181	90864
SPAST	0.21684	0.21684	2.192	0.94685	0.3601	0.56626	-5.8184	6683
CD79B	-0.24255	0.24255	0.58799	-0.94676	0.36014	0.56626	-5.8184	974
PPFIBP1	1.6297	1.6297	8.527	0.94671	0.36017	0.56626	-5.8185	8496
UBA5	0.29823	0.29823	2.8334	0.94665	0.36019	0.56626	-5.8185	79876
IQCA1	0.10051	0.10051	0.23434	0.94659	0.36022	0.56626	-5.8186	79781
IGF2	4.9215	4.9215	8.3937	0.94645	0.36029	0.56632	-5.8187	3481
BNIP2	0.82964	0.82964	5.6323	0.94636	0.36034	0.56633	-5.8188	663
FUNDC1	0.56702	0.56702	2.5013	0.9462	0.36041	0.5664	-5.819	139341
ALDH9A1	-2.9948	2.9948	17.645	-0.94581	0.36061	0.56665	-5.8193	223
CCNG2	-0.62415	0.62415	3.2918	-0.94566	0.36068	0.56671	-5.8195	901
DCAF17	-0.17979	0.17979	1.6045	-0.94561	0.36071	0.56671	-5.8195	80067
PRKCZ	-0.42008	0.42008	2.3833	-0.94534	0.36084	0.56681	-5.8197	5590
DMPK	-1.0362	1.0362	4.1042	-0.94531	0.36085	0.56681	-5.8198	1760
DNAAF4-CCPG1	-0.06998	0.069979	0.17627	-0.94527	0.36087	0.56681	-5.8198	1.01E+08
AKT1S1	1.8821	1.8821	10.432	0.94517	0.36092	0.56683	-5.8199	84335
PARP12	-0.79285	0.79285	3.7638	-0.94504	0.36098	0.56688	-5.82	64761
TRAPPC13	0.22625	0.22625	1.4065	0.94489	0.36106	0.56691	-5.8202	80006
CD164L2	1.3847	1.3847	3.7079	0.94487	0.36107	0.56691	-5.8202	388611
CCDC144A	-0.31166	0.31166	0.60466	-0.94456	0.36122	0.56702	-5.8205	9720

ECI1	-1.5055	1.5055	7.6724	-0.94452	0.36124	0.56702	-5.8205	1632
TAOK3	0.39208	0.39208	3.4177	0.94445	0.36128	0.56702	-5.8206	51347
MBD4	0.51232	0.51232	3.8135	0.94445	0.36128	0.56702	-5.8206	8930
MAN1A2	0.57892	0.57892	5.2831	0.9443	0.36135	0.56709	-5.8207	10905
OLFML2A	1.6299	1.6299	6.9633	0.94411	0.36145	0.56715	-5.8209	169611
HAGLROS	0.1104	0.1104	0.26493	0.94408	0.36146	0.56715	-5.8209	1.03E+08
IGSF9	-0.801	0.801	3.0962	-0.94384	0.36158	0.56728	-5.8211	57549
TMEM97	-0.54234	0.54234	1.9987	-0.94371	0.36164	0.56733	-5.8212	27346
RBM48	-0.12525	0.12525	0.93277	-0.94335	0.36182	0.56755	-5.8216	84060
SNRPD2	10.452	10.452	34.322	0.94314	0.36192	0.56767	-5.8218	6633
ADAM17	0.90729	0.90729	6.1922	0.94298	0.362	0.56774	-5.8219	6868
BOLA3	1.6579	1.6579	4.1984	0.94283	0.36208	0.5678	-5.822	388962
SCAF1	-2.5336	2.5336	10.255	-0.94233	0.36232	0.56808	-5.8225	58506
FUT8	0.51051	0.51051	1.8719	0.94227	0.36235	0.56808	-5.8226	2530
MAP3K3	-0.76057	0.76057	5.3119	-0.94226	0.36236	0.56808	-5.8226	4215
WAC-AS1	0.67858	0.67858	4.9053	0.94205	0.36246	0.56814	-5.8228	220906
MYNN	0.28413	0.28413	1.8109	0.94202	0.36247	0.56814	-5.8228	55892
PPP6R2	-1.1323	1.1323	7.5098	-0.94198	0.3625	0.56814	-5.8228	9701
CEP192	-0.38647	0.38647	3.2737	-0.9418	0.36259	0.56819	-5.823	55125
SH3GLB1	1.3924	1.3924	9.5651	0.94176	0.36261	0.56819	-5.823	51100
HNRNPA0	-3.2344	3.2344	17.964	-0.94171	0.36263	0.56819	-5.8231	10949
RASAL1	2.0818	2.0818	4.5561	0.94119	0.36288	0.56854	-5.8235	8437
PSMC3IP	-0.13587	0.13587	0.80762	-0.94094	0.36301	0.56868	-5.8238	29893
WDR45B	2.4608	2.4608	15.149	0.94088	0.36304	0.56868	-5.8238	56270
BNC2-AS1	-0.1073	0.1073	0.26756	-0.94043	0.36326	0.56895	-5.8242	1.11E+08
UHRF1BP1	-0.29996	0.29996	2.0111	-0.9404	0.36328	0.56895	-5.8243	54887

FOXH1	-0.08681	0.086809	0.17579	-0.94007	0.36344	0.56908	-5.8246	8928
SNORA2B	-0.09984	0.099841	0.11631	-0.94005	0.36345	0.56908	-5.8246	677794
GPT2	-2.1874	2.1874	7.9557	-0.94002	0.36347	0.56908	-5.8246	84706
ACSL4	1.9809	1.9809	6.2562	0.9396	0.36367	0.56932	-5.825	2182
TRIM21	-1.0317	1.0317	3.171	-0.93958	0.36368	0.56932	-5.825	6737
POFUT1	-0.73771	0.73771	4.2686	-0.93938	0.36378	0.56942	-5.8252	23509
NOL12	-0.43126	0.43126	2.6676	-0.93925	0.36385	0.56947	-5.8253	79159
NINL	-0.24924	0.24924	0.7477	-0.93892	0.36401	0.56967	-5.8256	22981
ALS2CL	-3.4233	3.4233	12.074	-0.93828	0.36433	0.57011	-5.8262	259173
SNHG9	1.5001	1.5001	5.0271	0.93812	0.3644	0.57015	-5.8263	735301
AOC2	-0.09621	0.096212	0.46253	-0.93806	0.36444	0.57015	-5.8264	314
ZC3H12A	5.8819	5.8819	13.32	0.93802	0.36445	0.57015	-5.8264	80149
TUBGCP4	-0.26999	0.26999	1.7971	-0.93788	0.36453	0.57021	-5.8266	27229
ARMCX6	-0.60921	0.60921	2.5753	-0.93776	0.36459	0.57025	-5.8267	54470
MCMBP	1.0218	1.0218	7.2018	0.93734	0.36479	0.57052	-5.8271	79892
AGGF1	0.44565	0.44565	3.5481	0.93702	0.36495	0.57067	-5.8274	55109
CLIP1-AS1	0.4004	0.4004	1.1959	0.937	0.36496	0.57067	-5.8274	1.01E+08
GNMT	-0.09933	0.099325	0.19801	-0.93695	0.36499	0.57067	-5.8274	27232
TGFB111	2.5604	2.5604	7.5736	0.93683	0.36505	0.57071	-5.8275	7041
AZGP1	74.304	74.304	97.85	0.93651	0.3652	0.5709	-5.8278	563
IL3RA	0.33456	0.33456	1.29	0.93638	0.36527	0.57095	-5.8279	3563
PFDN5	22.727	22.727	72.627	0.93627	0.36532	0.57098	-5.828	5204
TDP1	0.34106	0.34106	2.0969	0.93587	0.36552	0.57121	-5.8284	55775
GALNT2	2.1557	2.1557	8.194	0.93583	0.36554	0.57121	-5.8284	2590
KRT5	952.34	952.34	2751.1	0.93577	0.36557	0.57121	-5.8285	3852
MYORG	0.34923	0.34923	1.5727	0.93543	0.36574	0.57142	-5.8288	57462

DEPDC7	0.25332	0.25332	1.019	0.93525	0.36583	0.57151	-5.829	91614
SLFN11	0.84307	0.84307	2.1805	0.93494	0.36598	0.57152	-5.8292	91607
FNDC4	0.80825	0.80825	1.9186	0.93494	0.36599	0.57152	-5.8292	64838
PGLYRP3	3.6415	3.6415	12.476	0.93492	0.366	0.57152	-5.8293	114771
PPIH	-1.1384	1.1384	5.7981	-0.93488	0.36602	0.57152	-5.8293	10465
RNF7	1.8244	1.8244	7.5903	0.93486	0.36602	0.57152	-5.8293	9616
RAB4A	0.89664	0.89664	6.2739	0.93484	0.36604	0.57152	-5.8293	5867
C1QTNF5	2.4047	2.4047	4.4907	0.93459	0.36616	0.57161	-5.8296	114902
NOMO2	1.795	1.795	10.169	0.93458	0.36617	0.57161	-5.8296	283820
APBB3	-0.50923	0.50923	2.841	-0.93447	0.36622	0.57164	-5.8297	10307
C1QBP	6.9341	6.9341	26.77	0.93393	0.36649	0.57201	-5.8302	708
MMP7	-3.448	3.448	5.1191	-0.93386	0.36652	0.57201	-5.8302	4316
ZCRB1	1.1541	1.1541	5.3778	0.93372	0.36659	0.57202	-5.8303	85437
LYRM4-AS1	-0.07127	0.071271	0.34341	-0.93368	0.36661	0.57202	-5.8304	1E+08
CHST13	0.10639	0.10639	0.1342	0.93359	0.36666	0.57202	-5.8305	166012
ATP6V0A1	1.8305	1.8305	12.963	0.93353	0.36669	0.57202	-5.8305	535
ADCK5	-0.5477	0.5477	2.0517	-0.9335	0.3667	0.57202	-5.8305	203054
HOXD-AS2	-0.32312	0.32312	0.46104	-0.93344	0.36673	0.57202	-5.8306	1.01E+08
FAM110D	-0.50926	0.50926	1.5499	-0.93325	0.36683	0.57211	-5.8308	79927
SNORD12B	-0.09661	0.096613	0.15892	-0.93292	0.36699	0.57232	-5.8311	1E+08
JAG1	4.04	4.04	30.6	0.93278	0.36706	0.57238	-5.8312	182
BIN2	0.32178	0.32178	0.95273	0.93253	0.36718	0.5725	-5.8314	51411
TMEFF1	0.069577	0.069577	0.072805	0.93248	0.36721	0.5725	-5.8315	8577
CARMIL3	-0.36426	0.36426	1.0834	-0.93236	0.36727	0.57254	-5.8316	90668
LOC103021295	0.66806	0.66806	1.7654	0.9321	0.3674	0.57269	-5.8318	1.03E+08
CLOCK	0.53101	0.53101	3.8093	0.93191	0.36749	0.57278	-5.832	9575

KLHL4	0.066898	0.066898	0.14125	0.93174	0.36758	0.57286	-5.8321	56062
MYDGF	3.3065	3.3065	13.838	0.93144	0.36773	0.57305	-5.8324	56005
LINC02003	-0.08711	0.087112	0.13941	-0.93101	0.36794	0.57326	-5.8328	146795
PRC1-AS1	-0.07805	0.078052	0.16246	-0.93097	0.36796	0.57326	-5.8328	1.01E+08
TRMT112	4.1684	4.1684	19.205	0.93096	0.36797	0.57326	-5.8328	51504
CREB3L2	0.96242	0.96242	6.6044	0.93066	0.36812	0.57341	-5.8331	64764
FLT1	0.77155	0.77155	2.3531	0.93063	0.36813	0.57341	-5.8331	2321
FBXO11	1.0033	1.0033	7.2074	0.93049	0.3682	0.57347	-5.8333	80204
ZBTB34	0.39847	0.39847	2.4668	0.93015	0.36837	0.57368	-5.8336	403341
SNORA14A	0.089204	0.089204	0.15823	0.92959	0.36865	0.57406	-5.8341	677801
ZNF69	-0.10664	0.10664	0.36596	-0.92953	0.36868	0.57406	-5.8341	7620
RNF138P1	-0.31916	0.31916	0.86881	-0.92931	0.36879	0.57417	-5.8343	379013
AK2	-1.366	1.366	8.9614	-0.92877	0.36906	0.57451	-5.8348	204
MGC16025	0.23463	0.23463	0.64137	0.92874	0.36908	0.57451	-5.8348	85009
IGF1	-1.8518	1.8518	2.7134	-0.92847	0.36921	0.5746	-5.8351	3479
LRRC8C	0.47807	0.47807	1.9984	0.92846	0.36922	0.5746	-5.8351	84230
ABHD17A	7.269	7.269	28.626	0.92843	0.36923	0.5746	-5.8351	81926
ZBED6CL	0.28153	0.28153	1.2601	0.92792	0.36949	0.57486	-5.8356	113763
CDCA8	0.49986	0.49986	1.3839	0.92789	0.3695	0.57486	-5.8356	55143
PNPLA4	-0.25556	0.25556	1.4883	-0.92784	0.36953	0.57486	-5.8357	8228
HS1BP3	-0.84107	0.84107	4.1645	-0.92775	0.36957	0.57486	-5.8357	64342
ARHGAP27P1	-1.3443	1.3443	5.755	-0.92775	0.36958	0.57486	-5.8357	146880
RNF144B	-1.0691	1.0691	7.3184	-0.92755	0.36967	0.57496	-5.8359	255488
PSMC5	3.7999	3.7999	24.327	0.92749	0.3697	0.57496	-5.836	5705
TMPRSS11F	-0.28303	0.28303	0.6905	-0.92732	0.36979	0.57502	-5.8361	389208
HTATSF1	-0.78218	0.78218	5.6063	-0.92728	0.36981	0.57502	-5.8362	27336

CES2	2.684	2.684	11.957	0.92718	0.36986	0.57503	-5.8363	8824
DNAJC30	-0.40259	0.40259	2.5526	-0.92712	0.36989	0.57503	-5.8363	84277
TYROBP	9.5127	9.5127	17.032	0.92683	0.37003	0.5752	-5.8366	7305
DSN1	0.30496	0.30496	1.9512	0.92625	0.37032	0.57548	-5.8371	79980
PM20D1	-0.07696	0.076957	0.18073	-0.92622	0.37034	0.57548	-5.8371	148811
IFITM10	-0.63512	0.63512	1.8242	-0.92622	0.37034	0.57548	-5.8371	402778
NOSTRIN	-0.39429	0.39429	1.2194	-0.92615	0.37037	0.57548	-5.8372	115677
DAZAP1	3.898	3.898	19.797	0.92614	0.37038	0.57548	-5.8372	26528
SNORA73B	-25.192	25.192	87.562	-0.92581	0.37055	0.57568	-5.8375	26768
HIGD1B	0.12233	0.12233	0.42943	0.92548	0.37071	0.57584	-5.8378	51751
SYT8	-3.4094	3.4094	5.237	-0.92543	0.37074	0.57584	-5.8378	90019
SASH1	-1.2344	1.2344	10.595	-0.9254	0.37075	0.57584	-5.8379	23328
CCPG1	0.46795	0.46795	2.6399	0.92529	0.37081	0.57587	-5.838	9236
INSR	-0.90956	0.90956	5.3453	-0.92523	0.37084	0.57587	-5.838	3643
ZNF287	-0.08675	0.086745	0.39029	-0.92509	0.37091	0.57592	-5.8381	57336
CBX3	3.0654	3.0654	11.546	0.92491	0.371	0.57601	-5.8383	11335
MTUS1	-0.81968	0.81968	5.4747	-0.92478	0.37106	0.57606	-5.8384	57509
VMO1	0.4621	0.4621	1.1282	0.92464	0.37113	0.57606	-5.8385	284013
PPP3CA	-0.98133	0.98133	7.1205	-0.92464	0.37113	0.57606	-5.8385	5530
REXO4	-0.76181	0.76181	3.6552	-0.92426	0.37132	0.57625	-5.8389	57109
FBXO41	-0.12931	0.12931	0.61991	-0.92426	0.37132	0.57625	-5.8389	150726
SDE2	0.45526	0.45526	4.0519	0.92407	0.37142	0.57634	-5.839	163859
KCNG1	0.18446	0.18446	0.47602	0.92397	0.37147	0.57637	-5.8391	3755
TMEM238	-0.90567	0.90567	2.1929	-0.92374	0.37159	0.57644	-5.8394	388564
DIS3	0.46264	0.46264	3.1441	0.9237	0.3716	0.57644	-5.8394	22894
SLC25A51	0.20692	0.20692	1.7986	0.92368	0.37162	0.57644	-5.8394	92014

IDE	12.151	12.151	20.218	0.92356	0.37168	0.57648	-5.8395	3416
ADAM33	-1.4681	1.4681	3.726	-0.92333	0.37179	0.57655	-5.8397	80332
TMEM208	2.273	2.273	7.895	0.92331	0.3718	0.57655	-5.8397	29100
LOC642361	-0.38863	0.38863	1.465	-0.92327	0.37182	0.57655	-5.8398	642361
KPNB1	4.1569	4.1569	22.343	0.92313	0.37189	0.57661	-5.8399	3837
RHBG	-0.24726	0.24726	0.50564	-0.92278	0.37207	0.57682	-5.8402	57127
ESF1	0.47064	0.47064	2.8437	0.92256	0.37218	0.57694	-5.8404	51575
CACNA1C-IT3	-0.07822	0.078215	0.14174	-0.92228	0.37232	0.57711	-5.8407	1.01E+08
DDX27	-1.14	1.14	6.428	-0.92205	0.37243	0.57723	-5.8409	55661
DUS1L	-2.8653	2.8653	14.513	-0.92176	0.37258	0.57741	-5.8411	64118
RASSF4	-0.76205	0.76205	2.2211	-0.92156	0.37268	0.57745	-5.8413	83937
TRAF3IP2	1.0365	1.0365	5.3412	0.92149	0.37272	0.57745	-5.8414	10758
TBC1D14	2.1345	2.1345	13.912	0.92145	0.37273	0.57745	-5.8414	57533
TNNT2	-0.53472	0.53472	1.9198	-0.92143	0.37274	0.57745	-5.8414	7139
ICAM1	2.5428	2.5428	6.4928	0.9212	0.37286	0.57752	-5.8416	3383
MT2A	-71.146	71.146	112.44	-0.92118	0.37287	0.57752	-5.8416	4502
SVBP	0.90948	0.90948	3.3805	0.92107	0.37293	0.57752	-5.8417	374969
ANK1	0.1189	0.1189	0.23821	0.92104	0.37294	0.57752	-5.8418	286
CTBP2	0.56651	0.56651	3.2387	0.92097	0.37298	0.57752	-5.8418	1488
FTSJ3	-1.1081	1.1081	5.4421	-0.92093	0.373	0.57752	-5.8419	117246
CTXN1	0.98912	0.98912	2.5673	0.92075	0.37309	0.57761	-5.842	404217
TRMT10A	0.098849	0.098849	0.45708	0.92051	0.37321	0.57774	-5.8422	93587
TNK2	-2.5279	2.5279	8.6932	-0.92033	0.3733	0.57779	-5.8424	10188
ZNF775	-0.25394	0.25394	0.68791	-0.9203	0.37332	0.57779	-5.8424	285971
LBR	0.73438	0.73438	4.1904	0.92023	0.37335	0.57779	-5.8425	3930
ZNF761	-0.19518	0.19518	1.1325	-0.92018	0.37338	0.57779	-5.8425	388561

TMEM267	0.21113	0.21113	1.0545	0.91984	0.37355	0.578	-5.8428	64417
MARK1	0.24112	0.24112	1.4923	0.91971	0.37361	0.57805	-5.843	4139
TADA2A	-0.27336	0.27336	2.455	-0.91951	0.37371	0.57816	-5.8431	6871
ANKRD40	-0.90825	0.90825	4.658	-0.91912	0.37391	0.57838	-5.8435	91369
SDC3	-1.797	1.797	5.3159	-0.91909	0.37393	0.57838	-5.8435	9672
RAB35	1.6797	1.6797	11.041	0.91867	0.37414	0.57865	-5.8439	11021
DYRK4	0.39721	0.39721	1.3736	0.91851	0.37422	0.57868	-5.844	8798
HLA-DQA1	-4.8263	4.8263	10.268	-0.91842	0.37427	0.57868	-5.8441	3117
LINC01436	-0.28961	0.28961	0.37405	-0.91841	0.37427	0.57868	-5.8441	1.01E+08
MYLK	1.6003	1.6003	7.0841	0.91836	0.37429	0.57868	-5.8442	4638
MS4A4A	1.9946	1.9946	3.0541	0.91827	0.37434	0.5787	-5.8442	51338
RASGRP1	-0.53522	0.53522	2.5779	-0.91802	0.37447	0.57884	-5.8445	10125
RAB33B	0.264	0.264	1.548	0.91772	0.37462	0.57902	-5.8447	83452
TMEM86A	4.687	4.687	9.0283	0.91749	0.37474	0.57914	-5.8449	144110
SERTAD4-AS1	-0.16149	0.16149	0.68093	-0.91744	0.37476	0.57914	-5.845	574036
MRPL48	0.45079	0.45079	2.2448	0.91731	0.37482	0.57918	-5.8451	51642
PEX10	-0.60377	0.60377	3.4822	-0.9172	0.37488	0.57919	-5.8452	5192
DACT1	0.41171	0.41171	0.95419	0.91716	0.3749	0.57919	-5.8452	51339
CAT	7.3714	7.3714	19.136	0.91706	0.37495	0.57922	-5.8453	847
IFFO1	-0.56682	0.56682	1.857	-0.9169	0.37503	0.57929	-5.8455	25900
LINC01686	-0.06632	0.066318	0.11657	-0.91663	0.37517	0.57945	-5.8457	284648
CTNNA1	6.2072	6.2072	31.952	0.91614	0.37542	0.57976	-5.8461	1495
RASL12	-1.0188	1.0188	2.1339	-0.91605	0.37546	0.57976	-5.8462	51285
TIFAB	-0.09407	0.094071	0.22073	-0.91603	0.37547	0.57976	-5.8462	497189
MGAT2	1.2997	1.2997	4.9535	0.9159	0.37554	0.57978	-5.8464	4247
MYH9	30.783	30.783	111.45	0.91587	0.37555	0.57978	-5.8464	4627

CSF1R	-1.9487	1.9487	7.2539	-0.91564	0.37567	0.57991	-5.8466	1436
MAP1LC3A	4.8684	4.8684	11.019	0.91528	0.37585	0.58008	-5.8469	84557
GPR85	0.067283	0.067283	0.098316	0.91525	0.37587	0.58008	-5.8469	54329
HAVCR2	0.56808	0.56808	1.4445	0.91522	0.37589	0.58008	-5.847	84868
MBOAT7	1.4786	1.4786	7.5877	0.9151	0.37594	0.58011	-5.8471	79143
COL18A1	10.494	10.494	32.376	0.91475	0.37612	0.58031	-5.8474	80781
ZNF816	-0.18116	0.18116	0.84569	-0.91471	0.37614	0.58031	-5.8474	125893
CANX	7.0501	7.0501	40.918	0.91459	0.3762	0.58036	-5.8475	821
COL1A2	269.83	269.83	453.88	0.91406	0.37647	0.58072	-5.848	1278
DNAAF2	0.23687	0.23687	1.4833	0.91363	0.37669	0.581	-5.8484	55172
PPP1R13B	-0.80593	0.80593	4.821	-0.91316	0.37693	0.58129	-5.8488	23368
FSTL3	1.7009	1.7009	5.2214	0.91312	0.37695	0.58129	-5.8488	10272
CDKN2A	-0.17584	0.17584	0.33775	-0.91304	0.37699	0.58129	-5.8489	1029
LIPE-AS1	0.13566	0.13566	0.46244	0.91296	0.37703	0.58129	-5.849	1.01E+08
NHSL1	-0.8774	0.8774	6.7195	-0.91292	0.37705	0.58129	-5.849	57224
LOC339059	-0.27617	0.27617	0.73245	-0.91278	0.37712	0.58135	-5.8491	339059
ITGBL1	-0.65877	0.65877	1.6367	-0.9126	0.37721	0.58144	-5.8493	9358
ZNF799	-0.12725	0.12725	0.82626	-0.91245	0.37729	0.5815	-5.8494	90576
MTA3	-0.28181	0.28181	2.79	-0.9123	0.37736	0.58154	-5.8496	57504
CXCL16	3.0822	3.0822	10.631	0.91219	0.37742	0.58154	-5.8497	58191
HIRA	-0.5273	0.5273	4.2001	-0.91215	0.37744	0.58154	-5.8497	7290
COL26A1	-0.11322	0.11322	0.14122	-0.91208	0.37748	0.58154	-5.8498	136227
ZNF394	-0.57899	0.57899	5.0499	-0.91206	0.37748	0.58154	-5.8498	84124
NUP107	-0.38034	0.38034	2.3655	-0.91197	0.37753	0.58156	-5.8499	57122
ELF3	1.366	1.366	3.197	0.91179	0.37762	0.58164	-5.85	1999
LYRM2	0.34027	0.34027	1.8787	0.91168	0.37768	0.58168	-5.8501	57226

UEVLD	0.42421	0.42421	2.7284	0.91142	0.37781	0.58183	-5.8503	55293
C11orf96	-8.3042	8.3042	11.079	-0.91123	0.37791	0.58187	-5.8505	387763
TTY15	-0.19296	0.19296	1.0213	-0.91123	0.37791	0.58187	-5.8505	64595
PLCG2	-24.98	24.98	105.18	-0.91095	0.37805	0.58204	-5.8508	5336
S1PR1	1.726	1.726	5.9196	0.91077	0.37814	0.58213	-5.8509	1901
ITPA	1.3008	1.3008	6.1763	0.91068	0.37819	0.58214	-5.851	3704
GCDH	-0.39152	0.39152	1.9617	-0.91039	0.37833	0.58232	-5.8513	2639
SERPINB9	1.4387	1.4387	6.4598	0.91021	0.37843	0.58239	-5.8514	5272
SRBD1	0.31669	0.31669	1.9853	0.91016	0.37845	0.58239	-5.8515	55133
KLHL11	0.19975	0.19975	2.1742	0.91004	0.37851	0.58243	-5.8516	55175
SERP2	-0.08766	0.087656	0.19198	-0.90982	0.37862	0.58248	-5.8518	387923
EMSY	-0.20485	0.20485	1.595	-0.90981	0.37863	0.58248	-5.8518	56946
PRH2	-0.09918	0.099182	0.25555	-0.90977	0.37865	0.58248	-5.8518	5555
PRUNE1	-0.42572	0.42572	2.6248	-0.90946	0.37881	0.58263	-5.8521	58497
CARM1	2.2994	2.2994	11.058	0.90945	0.37881	0.58263	-5.8521	10498
ZNF280D	-0.33089	0.33089	1.8405	-0.90916	0.37896	0.58277	-5.8523	54816
CCDC74B	0.084655	0.084655	0.14991	0.90913	0.37898	0.58277	-5.8524	91409
OSCP1	-0.17745	0.17745	0.86985	-0.90899	0.37905	0.58278	-5.8525	127700
PITPNM1	1.5363	1.5363	4.3951	0.90888	0.3791	0.58278	-5.8526	9600
RPL34	34.287	34.287	108.31	0.90885	0.37912	0.58278	-5.8526	6164
THUMPD3-AS1	-0.21186	0.21186	1.0963	-0.90884	0.37913	0.58278	-5.8526	440944
TSHZ3	0.40549	0.40549	1.3855	0.90878	0.37915	0.58278	-5.8527	57616
RPF1	0.79426	0.79426	4.3437	0.90852	0.37929	0.58293	-5.8529	80135
XPO4	-0.36731	0.36731	2.5237	-0.90813	0.37949	0.58319	-5.8533	64328
CPNE1	1.6142	1.6142	10.552	0.90799	0.37956	0.58319	-5.8534	8904
VKORC1L1	0.36723	0.36723	3.6785	0.90791	0.3796	0.58319	-5.8535	154807

SNX5	1.4423	1.4423	8.1445	0.90786	0.37962	0.58319	-5.8535	27131
CRLS1	0.35372	0.35372	1.8666	0.90785	0.37963	0.58319	-5.8535	54675
EYA1	0.088559	0.088559	0.12229	0.90721	0.37995	0.58364	-5.8541	2138
SIKE1	0.44704	0.44704	3.3112	0.90711	0.38	0.58366	-5.8542	80143
GNB4	-1.2001	1.2001	6.2271	-0.90688	0.38012	0.58366	-5.8544	59345
SLC6A1	-0.22104	0.22104	0.39	-0.90687	0.38013	0.58366	-5.8544	6529
FAHD2A	-0.39671	0.39671	2.777	-0.90683	0.38015	0.58366	-5.8544	51011
PSMG3	1.0681	1.0681	6.8437	0.90681	0.38016	0.58366	-5.8544	84262
NAA38	1.7887	1.7887	6.66	0.90678	0.38017	0.58366	-5.8545	84316
DIABLO	0.34373	0.34373	2.5904	0.90639	0.38037	0.58386	-5.8548	56616
PHYKPL	-0.47513	0.47513	3.2382	-0.90639	0.38038	0.58386	-5.8548	85007
RTN4IP1	-0.09816	0.098162	0.74407	-0.90618	0.38048	0.58393	-5.855	84816
TMEM14C	3.6181	3.6181	14.378	0.90616	0.38049	0.58393	-5.855	51522
PLVAP	5.9549	5.9549	21.002	0.90592	0.38061	0.58407	-5.8552	83483
SRD5A3	0.81528	0.81528	3.4761	0.90579	0.38068	0.58412	-5.8553	79644
NEB	-0.2184	0.2184	0.54585	-0.90492	0.38112	0.58469	-5.8561	4703
MED31	0.26867	0.26867	1.3614	0.90491	0.38113	0.58469	-5.8561	51003
RBPMS-AS1	-0.1267	0.1267	0.36296	-0.90483	0.38117	0.58469	-5.8562	1E+08
RBCK1	-1.2547	1.2547	6.2974	-0.90479	0.38119	0.58469	-5.8562	10616
PRKAB2	0.36043	0.36043	3.5476	0.90464	0.38127	0.58473	-5.8563	5565
NDUFA13	15.705	15.705	58.068	0.90455	0.38132	0.58473	-5.8564	51079
RAB40A	-0.08174	0.081739	0.18883	-0.90453	0.38133	0.58473	-5.8564	142684
JOSD2	2.0883	2.0883	6.8478	0.90433	0.38143	0.58482	-5.8566	126119
C1R	-25.921	25.921	59.032	-0.90429	0.38145	0.58482	-5.8567	715
HELZ	-0.40935	0.40935	2.7778	-0.90396	0.38161	0.58502	-5.8569	9931
RGS11	-0.32562	0.32562	0.58139	-0.90377	0.38171	0.58511	-5.8571	8786

PLXNA2	-0.60143	0.60143	3.9515	-0.90367	0.38176	0.58514	-5.8572	5362
CCL22	-0.52098	0.52098	1.5778	-0.90359	0.38181	0.58514	-5.8573	6367
HINT3	0.66376	0.66376	3.6768	0.90354	0.38183	0.58514	-5.8573	135114
SKA3	0.23223	0.23223	0.59278	0.90332	0.38195	0.58521	-5.8575	221150
FAM222A	-0.13317	0.13317	0.57394	-0.90331	0.38195	0.58521	-5.8575	84915
ACKR3	2.8207	2.8207	9.4857	0.90322	0.382	0.58523	-5.8576	57007
KRT79	1.1202	1.1202	0.84097	0.90285	0.38218	0.58541	-5.8579	338785
STAM2	0.44088	0.44088	3.4943	0.9028	0.38221	0.58541	-5.858	10254
AMOTL1	1.3737	1.3737	11.457	0.90279	0.38222	0.58541	-5.858	154810
CHST7	-0.20053	0.20053	0.74669	-0.9027	0.38226	0.58543	-5.8581	56548
EME2	-0.71618	0.71618	1.9623	-0.90257	0.38233	0.58546	-5.8582	197342
SSR4	5.2957	5.2957	23.537	0.90251	0.38236	0.58546	-5.8582	6748
NMU	2.2618	2.2618	5.0361	0.90238	0.38242	0.58551	-5.8583	10874
PDAP1	2.394	2.394	13.55	0.90218	0.38253	0.58562	-5.8585	11333
TCN2	-1.3691	1.3691	3.0126	-0.90201	0.38262	0.58569	-5.8587	6948
GULP1	-0.16997	0.16997	0.60725	-0.90195	0.38264	0.58569	-5.8587	51454
MALAT1	82.566	82.566	442.81	0.90172	0.38276	0.58576	-5.8589	378938
PIEZO1	3.8043	3.8043	15.996	0.90166	0.3828	0.58576	-5.859	9780
PRRG3	-0.16628	0.16628	0.4208	-0.90164	0.3828	0.58576	-5.859	79057
RAB13	4.599	4.599	17.326	0.9016	0.38282	0.58576	-5.859	5872
BRAF	-0.28926	0.28926	2.9127	-0.90125	0.383	0.58592	-5.8593	673
IPMK	0.21945	0.21945	1.5234	0.90123	0.38301	0.58592	-5.8593	253430
TBC1D3G	0.068156	0.068156	0.17334	0.90119	0.38304	0.58592	-5.8594	1.01E+08
ST7-OT4	-0.119	0.119	0.50539	-0.90086	0.38321	0.58613	-5.8597	338069
TNRC18P1	-0.10764	0.10764	0.35613	-0.90058	0.38335	0.58629	-5.8599	644962
NPAT	-0.29416	0.29416	2.1808	-0.90039	0.38344	0.58635	-5.8601	4863

ENDOU	1.148	1.148	5.5147	0.90034	0.38347	0.58635	-5.8601	8909
VPS13C	-0.84417	0.84417	4.9594	-0.9003	0.38349	0.58635	-5.8602	54832
DLD	1.0159	1.0159	6.0066	0.90019	0.38355	0.58639	-5.8603	1738
ZGRF1	-0.10116	0.10116	0.50706	-0.89998	0.38366	0.5865	-5.8604	55345
DEGS2	7.7931	7.7931	17.911	0.89972	0.38379	0.58661	-5.8607	123099
UBXN2B	-0.26762	0.26762	1.6785	-0.89971	0.3838	0.58661	-5.8607	137886
FGF22	-0.75113	0.75113	1.1489	-0.89957	0.38387	0.58665	-5.8608	27006
CNPPD1	2.7485	2.7485	14.042	0.89952	0.38389	0.58665	-5.8609	27013
PITPNA-AS1	-0.38452	0.38452	2.137	-0.89937	0.38397	0.58672	-5.861	1E+08
GIN51	0.3438	0.3438	1.062	0.89916	0.38408	0.58682	-5.8612	9837
CEBPZ	1.1355	1.1355	6.1859	0.89886	0.38423	0.587	-5.8614	10153
TIGD2	-0.21561	0.21561	1.0215	-0.89843	0.38445	0.58726	-5.8618	166815
SMCO2	0.069423	0.069423	0.15293	0.89835	0.3845	0.58726	-5.8619	341346
FMO3	0.65291	0.65291	1.572	0.89834	0.3845	0.58726	-5.8619	2328
PCDHGC3	3.0055	3.0055	15.027	0.89813	0.38461	0.58732	-5.8621	5098
FIGNL1	-0.17674	0.17674	0.98499	-0.89806	0.38464	0.58732	-5.8621	63979
RAD23A	-2.6795	2.6795	19.354	-0.89805	0.38465	0.58732	-5.8621	5886
APLP1	0.08105	0.08105	0.22109	0.89791	0.38472	0.58738	-5.8623	333
PCGF6	0.31465	0.31465	1.6568	0.89746	0.38495	0.58763	-5.8627	84108
GPR82	-0.11021	0.11021	0.42883	-0.89742	0.38497	0.58763	-5.8627	27197
CDK10	-1.3035	1.3035	5.5202	-0.8974	0.38499	0.58763	-5.8627	8558
PSD4	2.2756	2.2756	10.196	0.89689	0.38525	0.58792	-5.8632	23550
STXBP5-AS1	0.17231	0.17231	0.53482	0.89688	0.38525	0.58792	-5.8632	729178
LOC105378330	-0.14864	0.14864	0.47885	-0.8964	0.3855	0.58825	-5.8636	1.05E+08
ARAP1	-1.8821	1.8821	8.9113	-0.89606	0.38567	0.58844	-5.8639	116985
PFDN1	2.278	2.278	10.93	0.89602	0.3857	0.58844	-5.8639	5201

LINC01213	0.066255	0.066255	0.077869	0.89573	0.38585	0.58857	-5.8642	1.02E+08
NCKAP5	-0.20645	0.20645	1.8218	-0.89565	0.38589	0.58857	-5.8642	344148
DUSP12	0.72948	0.72948	3.6206	0.8956	0.38591	0.58857	-5.8643	11266
ALG6	-0.22415	0.22415	1.2828	-0.89558	0.38592	0.58857	-5.8643	29929
PKNOX1	0.22471	0.22471	1.9351	0.89536	0.38603	0.58869	-5.8645	5316
RAD9A	-0.53893	0.53893	2.6993	-0.89518	0.38613	0.58871	-5.8647	5883
SNAPC5	-0.26347	0.26347	1.3941	-0.89517	0.38613	0.58871	-5.8647	10302
PPFIA1	0.52325	0.52325	5.499	0.89513	0.38615	0.58871	-5.8647	8500
LRRC41	1.5696	1.5696	11.889	0.89491	0.38627	0.58884	-5.8649	10489
DUS2	0.44903	0.44903	2.5927	0.89452	0.38647	0.58909	-5.8652	54920
DDX10	-0.34278	0.34278	2.8657	-0.89438	0.38654	0.58913	-5.8653	1662
SMAD5	-0.78313	0.78313	5.861	-0.8943	0.38658	0.58913	-5.8654	4090
GIPC3	0.15763	0.15763	0.4731	0.89427	0.3866	0.58913	-5.8654	126326
KCND1	-0.09388	0.093877	0.28467	-0.8942	0.38663	0.58913	-5.8655	3750
MAN1B1	-1.135	1.135	8.3753	-0.89397	0.38675	0.58925	-5.8657	11253
FAIM2	1.515	1.515	2.1116	0.89384	0.38682	0.58928	-5.8658	23017
SLC15A1	4.3186	4.3186	6.9699	0.8938	0.38684	0.58928	-5.8659	6564
DNAJC18	-0.20408	0.20408	0.78019	-0.8936	0.38695	0.58938	-5.866	202052
RPS6KB1	0.48154	0.48154	3.4966	0.89354	0.38698	0.58938	-5.8661	6198
PRRG2	0.59733	0.59733	3.0323	0.89329	0.3871	0.58952	-5.8663	5639
NCAPH2	-0.83618	0.83618	5.3995	-0.89314	0.38718	0.58959	-5.8664	29781
GPN3	0.39584	0.39584	1.7623	0.89293	0.38729	0.58965	-5.8666	51184
RPL27A	12.646	12.646	63.248	0.89293	0.38729	0.58965	-5.8666	6157
REEP6	-0.40055	0.40055	1.7698	-0.89251	0.38751	0.58992	-5.867	92840
MAGI1-AS1	-0.15307	0.15307	0.5592	-0.89245	0.38754	0.58992	-5.867	1.01E+08
STEAP4	4.8784	4.8784	15.968	0.89225	0.38764	0.59	-5.8672	79689

NMT1	-1.2136	1.2136	8.553	-0.89219	0.38767	0.59	-5.8673	4836
RALY-AS1	0.17753	0.17753	0.70113	0.89214	0.3877	0.59	-5.8673	1.02E+08
HEATR6	-0.2386	0.2386	2.295	-0.89202	0.38776	0.59005	-5.8674	63897
AP1AR	0.19256	0.19256	1.4068	0.8919	0.38782	0.59007	-5.8675	55435
ZBTB10	-0.23297	0.23297	0.93628	-0.89185	0.38785	0.59007	-5.8676	65986
PHGDH	-13.953	13.953	31.74	-0.89164	0.38796	0.59019	-5.8677	26227
CABYR	-0.07179	0.07179	0.40485	-0.89154	0.38801	0.59021	-5.8678	26256
EMG1	0.93315	0.93315	5.0221	0.89118	0.38819	0.59042	-5.8681	10436
KLF9	-1.6671	1.6671	6.418	-0.89106	0.38826	0.59042	-5.8682	687
LOC101927974	0.085524	0.085524	0.25837	0.89106	0.38826	0.59042	-5.8682	1.02E+08
SIRT1	0.37011	0.37011	2.6455	0.89096	0.38831	0.59042	-5.8683	23411
BTN2A3P	-0.11245	0.11245	0.47285	-0.89094	0.38832	0.59042	-5.8683	54718
NEDD4L	0.54921	0.54921	1.6834	0.8908	0.38839	0.59048	-5.8685	23327
DIP2B	1.5525	1.5525	12.177	0.89071	0.38844	0.59049	-5.8685	57609
PRPF31	-1.3238	1.3238	8.1554	-0.89065	0.38847	0.59049	-5.8686	26121
KIFC2	-5.0141	5.0141	11.464	-0.89017	0.38872	0.59082	-5.869	90990
INPPL1	-1.2461	1.2461	5.4153	-0.88995	0.38883	0.59091	-5.8692	3636
GRIN1	-0.10443	0.10443	0.17739	-0.88992	0.38885	0.59091	-5.8692	2902
SNHG11	-0.43754	0.43754	2.3571	-0.88951	0.38906	0.59117	-5.8696	128439
NDUFA5	0.28575	0.28575	1.5952	0.88928	0.38918	0.5913	-5.8698	4698
ZBTB7C	-3.3035	3.3035	8.5518	-0.88911	0.38927	0.59134	-5.8699	201501
SWAP70	1.008	1.008	7.4215	0.88909	0.38928	0.59134	-5.87	23075
LOC399975	0.35067	0.35067	1.9642	0.88902	0.38932	0.59135	-5.87	399975
LYRM7	-0.1553	0.1553	1.2228	-0.88884	0.38941	0.59144	-5.8702	90624
IFI35	-2.0781	2.0781	4.422	-0.88856	0.38955	0.5916	-5.8704	3430
ASH2L	-0.71513	0.71513	5.7159	-0.88824	0.38972	0.5918	-5.8707	9070

ZMYND11	-0.54925	0.54925	5.5198	-0.88809	0.3898	0.59186	-5.8708	10771
TUG1	0.99977	0.99977	11.232	0.88803	0.38983	0.59186	-5.8709	55000
SLC6A2	0.087624	0.087624	0.2012	0.88782	0.38994	0.59192	-5.8711	6530
TMEM38A	-0.10234	0.10234	0.23983	-0.88772	0.38999	0.59192	-5.8711	79041
IKBKG	-0.87227	0.87227	4.3537	-0.88768	0.39001	0.59192	-5.8712	8517
CLMN	-0.29012	0.29012	1.2314	-0.88768	0.39001	0.59192	-5.8712	79789
LOC101927045	-0.0737	0.073697	0.47842	-0.88758	0.39006	0.59195	-5.8713	1.02E+08
IFNAR2	0.67199	0.67199	2.5916	0.88731	0.3902	0.59211	-5.8715	3455
MRPL18	1.7141	1.7141	8.1096	0.88701	0.39036	0.59229	-5.8718	29074
RBP7	0.76618	0.76618	3.124	0.88691	0.39041	0.59232	-5.8718	116362
TCAIM	0.18876	0.18876	1.509	0.88663	0.39056	0.59248	-5.8721	285343
RAB11B-AS1	-0.4358	0.4358	2.2893	-0.88635	0.3907	0.59264	-5.8723	1.01E+08
MAPK12	0.41153	0.41153	1.1879	0.8863	0.39073	0.59264	-5.8724	6300
DSC1	101.51	101.51	162.93	0.88581	0.39098	0.59297	-5.8728	1823
NAMPT	7.5474	7.5474	20.424	0.8856	0.39109	0.59308	-5.873	10135
HIBADH	-0.59258	0.59258	3.2809	-0.88517	0.39131	0.59337	-5.8733	11112
CLEC11A	2.3486	2.3486	5.491	0.88501	0.3914	0.59343	-5.8735	6320
BICC1	1.1635	1.1635	3.1102	0.88495	0.39143	0.59343	-5.8735	80114
PITPNM2-AS1	-0.08831	0.088313	0.27268	-0.88435	0.39174	0.59386	-5.8741	1.01E+08
ABHD12	2.0576	2.0576	7.7352	0.88417	0.39184	0.59395	-5.8742	26090
RNLS	-0.10676	0.10676	0.66976	-0.88408	0.39188	0.59396	-5.8743	55328
STAP2	3.9253	3.9253	17.99	0.88402	0.39192	0.59396	-5.8743	55620
TSPAN12	0.28451	0.28451	0.89829	0.88387	0.392	0.594	-5.8745	23554
DOCK9-AS1	-0.13154	0.13154	0.22586	-0.88383	0.39201	0.594	-5.8745	1.01E+08
MANCR	0.24244	0.24244	0.3577	0.88357	0.39215	0.59415	-5.8747	1E+08
ZNF654	0.29282	0.29282	2.2244	0.8835	0.39219	0.59416	-5.8748	55279

CDC37L1	0.30155	0.30155	2.1266	0.8832	0.39234	0.59426	-5.8751	55664
PRUNE2	-0.84695	0.84695	1.8797	-0.88319	0.39235	0.59426	-5.8751	158471
ZDHHC8	-0.80047	0.80047	4.4388	-0.88313	0.39238	0.59426	-5.8751	29801
SNRPA	-1.5207	1.5207	8.2393	-0.88303	0.39243	0.59426	-5.8752	6626
RPL21P28	20.767	20.767	99.425	0.88303	0.39243	0.59426	-5.8752	1E+08
LOC102724153	-0.17153	0.17153	0.30939	-0.88259	0.39266	0.5945	-5.8756	1.03E+08
SGK3	-0.25979	0.25979	1.3551	-0.88258	0.39267	0.5945	-5.8756	23678
IKZF1	-0.19262	0.19262	0.82812	-0.88252	0.3927	0.5945	-5.8756	10320
FAM222B	0.32542	0.32542	2.6314	0.88243	0.39275	0.59452	-5.8757	55731
PARP4	-1.6023	1.6023	7.5655	-0.88205	0.39294	0.59473	-5.876	143
CHERP	-0.94437	0.94437	5.4519	-0.88199	0.39297	0.59473	-5.8761	10523
CD164	2.8519	2.8519	18.552	0.88195	0.393	0.59473	-5.8761	8763
GPR157	2.2614	2.2614	8.7756	0.88179	0.39308	0.59473	-5.8763	80045
RPS16	46.975	46.975	273.87	0.88177	0.39309	0.59473	-5.8763	6217
TAF2	0.44082	0.44082	3.7883	0.88164	0.39316	0.59473	-5.8764	6873
HLA-A	-5.0667	5.0667	16.535	-0.88158	0.39319	0.59473	-5.8765	3105
SNORA78	-0.13186	0.13186	0.29377	-0.88157	0.39319	0.59473	-5.8765	677844
PLD1	0.98226	0.98226	7.6498	0.88155	0.3932	0.59473	-5.8765	5337
NOP9	-0.93209	0.93209	6.7667	-0.88117	0.3934	0.59498	-5.8768	161424
YAF2	-0.11291	0.11291	0.85269	-0.88107	0.39345	0.59501	-5.8769	10138
XPR1	0.35217	0.35217	2.0362	0.88024	0.39389	0.59561	-5.8776	9213
CHKB	-1.0878	1.0878	6.48	-0.87967	0.39419	0.59601	-5.8781	1120
RPS10	77.376	77.376	282.67	0.87953	0.39426	0.59607	-5.8782	6204
C1QA	-7.9449	7.9449	17.298	-0.87939	0.39434	0.59613	-5.8783	712
CCS	-1.3611	1.3611	5.8194	-0.87914	0.39446	0.59627	-5.8786	9973
FMO2	1.6397	1.6397	1.9919	0.87906	0.39451	0.59628	-5.8786	2327

YIPF3	3.0913	3.0913	18.201	0.87881	0.39464	0.5964	-5.8788	25844
SLC41A3	-0.51661	0.51661	3.6926	-0.87877	0.39466	0.5964	-5.8789	54946
CCNT2-AS1	-0.08586	0.085864	0.36404	-0.8787	0.39469	0.5964	-5.8789	1E+08
RAB33A	-0.09155	0.091554	0.17923	-0.87852	0.39479	0.59649	-5.8791	9363
RAD9B	-0.0702	0.070201	0.18267	-0.87833	0.39489	0.59659	-5.8792	144715
LIMK1	1.5924	1.5924	6.8026	0.87815	0.39498	0.59668	-5.8794	3984
SLC15A3	-1.2569	1.2569	2.7787	-0.87807	0.39502	0.59669	-5.8795	51296
MRPS26	-1.5356	1.5356	7.5825	-0.87791	0.39511	0.59671	-5.8796	64949
CD9	15.313	15.313	80.775	0.87789	0.39512	0.59671	-5.8796	928
SPRED3	0.15083	0.15083	0.65796	0.87784	0.39514	0.59671	-5.8797	399473
APPBP2	0.30273	0.30273	2.8123	0.87733	0.39541	0.59706	-5.8801	10513
TAB3-AS1	-0.08538	0.085379	0.18576	-0.87713	0.39551	0.59716	-5.8803	727682
DPY19L3	0.33513	0.33513	1.9241	0.87689	0.39564	0.5973	-5.8805	147991
MMP24-AS1-EDEM2	-0.12313	0.12313	0.5165	-0.87661	0.39579	0.59746	-5.8807	1.11E+08
INTS7	0.28575	0.28575	2.4004	0.87644	0.39588	0.59746	-5.8809	25896
TMEM214	1.5572	1.5572	10.683	0.87637	0.39592	0.59746	-5.8809	54867
RPS2P32	-0.08548	0.085479	0.32985	-0.8763	0.39595	0.59746	-5.881	256355
PGLS	5.3895	5.3895	23.306	0.87628	0.39596	0.59746	-5.881	25796
IFIT5	-0.66759	0.66759	2.1608	-0.8762	0.39601	0.59746	-5.8811	24138
ARID3A	0.32211	0.32211	1.6575	0.87616	0.39602	0.59746	-5.8811	1820
PLCXD2	-0.11927	0.11927	0.33577	-0.87615	0.39603	0.59746	-5.8811	257068
GAPVD1	0.59424	0.59424	4.5698	0.8759	0.39616	0.5976	-5.8813	26130
TLK2	-0.32946	0.32946	3.8772	-0.87584	0.3962	0.5976	-5.8814	11011
INPP5J	-0.38958	0.38958	1.0104	-0.87561	0.39632	0.59773	-5.8816	27124
AK3	0.84135	0.84135	6.8307	0.87527	0.39649	0.59795	-5.8819	50808
TRIM28	-4.3619	4.3619	26.446	-0.87515	0.39655	0.59798	-5.882	10155

CCDC74A	0.20832	0.20832	0.62333	0.87501	0.39663	0.59804	-5.8821	90557
GNB3	-0.14451	0.14451	0.37995	-0.87484	0.39672	0.59812	-5.8822	2784
PNRC2	2.5665	2.5665	13.331	0.87477	0.39676	0.59813	-5.8823	55629
UBE4A	0.82256	0.82256	8.2013	0.87441	0.39694	0.59831	-5.8826	9354
EXOC7	-1.6956	1.6956	10.068	-0.8744	0.39695	0.59831	-5.8826	23265
ELOVL3	0.18068	0.18068	0.3528	0.87414	0.39709	0.59847	-5.8828	83401
RPS10-NUDT3	-0.19292	0.19292	0.53177	-0.87387	0.39723	0.59862	-5.8831	1.01E+08
TBL3	-0.95233	0.95233	6.2402	-0.87376	0.39728	0.59866	-5.8832	10607
VPS18	-0.70227	0.70227	3.8157	-0.87369	0.39732	0.59866	-5.8832	57617
TMEM127	2.2832	2.2832	13.771	0.87328	0.39754	0.59893	-5.8836	55654
SNAI3-AS1	-0.11825	0.11825	0.31642	-0.87291	0.39773	0.59917	-5.8839	197187
HFE	-0.21228	0.21228	1.047	-0.87247	0.39796	0.59933	-5.8843	3077
STAMBPL1	0.29447	0.29447	1.1599	0.87244	0.39798	0.59933	-5.8843	57559
PRKXP1	-0.28091	0.28091	0.99144	-0.87238	0.39801	0.59933	-5.8843	441733
PCAT19	0.22515	0.22515	0.7645	0.87236	0.39802	0.59933	-5.8844	1.01E+08
ALPK3	0.15803	0.15803	0.53739	0.87232	0.39805	0.59933	-5.8844	57538
NDUFAF3	1.5757	1.5757	6.6406	0.87231	0.39805	0.59933	-5.8844	25915
HOXD11	-0.07278	0.072782	0.13188	-0.87219	0.39811	0.59937	-5.8845	3237
PPP1R14C	1.7968	1.7968	12.399	0.87202	0.3982	0.59945	-5.8846	81706
KIAA0040	0.76519	0.76519	2.9928	0.87165	0.3984	0.59962	-5.885	9674
CHMP6	1.172	1.172	6.2266	0.87161	0.39842	0.59962	-5.885	79643
GATD1	-1.0005	1.0005	5.1906	-0.87158	0.39843	0.59962	-5.885	347862
ERBB2	-5.0784	5.0784	20.846	-0.87154	0.39846	0.59962	-5.8851	2064
KIAA0895L	-0.53742	0.53742	2.2661	-0.87144	0.39851	0.59963	-5.8851	653319
TSPAN1	-0.2225	0.2225	0.65164	-0.87139	0.39854	0.59963	-5.8852	10103
MARCKS	4.0919	4.0919	17.843	0.87093	0.39878	0.59994	-5.8856	4082

F11R	3.9846	3.9846	21.769	0.87079	0.39885	0.59996	-5.8857	50848
ING1	0.16206	0.16206	1.0514	0.87074	0.39888	0.59996	-5.8857	3621
MIER1	0.37041	0.37041	2.8834	0.8707	0.3989	0.59996	-5.8858	57708
PRADC1	1.0706	1.0706	4.6614	0.87051	0.399	0.60006	-5.8859	84279
POLR2J	2.0157	2.0157	9.6356	0.87035	0.39908	0.60013	-5.8861	5439
PSIP1	-0.41607	0.41607	2.4122	-0.86977	0.39939	0.60054	-5.8866	11168
ZNF692	-0.62275	0.62275	2.2047	-0.86962	0.39947	0.60061	-5.8867	55657
PPP1R14B	8.7735	8.7735	44.197	0.86948	0.39954	0.60067	-5.8868	26472
PROK2	0.4377	0.4377	0.60628	0.86939	0.39959	0.60069	-5.8869	60675
ANAPC16	-0.92374	0.92374	6.0801	-0.86926	0.39966	0.60074	-5.887	119504
FOSL2	-7.9867	7.9867	46.655	-0.86898	0.39981	0.6009	-5.8872	2355
HOXC13-AS	-0.39454	0.39454	1.2882	-0.86875	0.39993	0.601	-5.8874	1.01E+08
PCDHGC4	-0.11458	0.11458	0.50391	-0.86872	0.39995	0.601	-5.8875	56098
CRYAB	2.5267	2.5267	16.122	0.86855	0.40003	0.60108	-5.8876	1410
CAVIN3	7.7756	7.7756	17.498	0.86835	0.40014	0.60119	-5.8878	112464
TMEM60	0.66969	0.66969	3.2182	0.86798	0.40033	0.60141	-5.8881	85025
ECM2	0.83337	0.83337	2.4732	0.86794	0.40036	0.60141	-5.8881	1842
RP9	-0.26832	0.26832	1.7811	-0.86774	0.40046	0.60151	-5.8883	6100
HOXB4	-0.11844	0.11844	0.3398	-0.86747	0.4006	0.60167	-5.8885	3214
PPP2R2B	-0.11739	0.11739	0.40962	-0.86728	0.4007	0.60171	-5.8887	5521
PTGER3	2.0019	2.0019	2.8959	0.86725	0.40072	0.60171	-5.8887	5733
CSMD2	0.1849	0.1849	0.36732	0.86722	0.40074	0.60171	-5.8887	114784
RPL37A	185.14	185.14	804.18	0.86681	0.40096	0.60194	-5.8891	6168
RCC1L	-0.65684	0.65684	3.4973	-0.86679	0.40096	0.60194	-5.8891	81554
LRRC49	-0.09054	0.090536	0.42053	-0.86641	0.40116	0.60219	-5.8894	54839
AZIN2	-0.16273	0.16273	0.66915	-0.86598	0.40139	0.60248	-5.8898	113451

CTSH	-1.9272	1.9272	10.76	-0.86585	0.40146	0.60253	-5.8899	1512
HHEX	0.55776	0.55776	1.8181	0.86546	0.40167	0.60279	-5.8902	3087
MT1F	-0.71546	0.71546	1.3656	-0.865	0.40191	0.60309	-5.8906	4494
OTUD6B-AS1	0.21246	0.21246	0.97981	0.86495	0.40194	0.60309	-5.8907	1.01E+08
MMP14	17.736	17.736	60.309	0.86428	0.40229	0.60346	-5.8912	4323
KIAA2013	-1.1437	1.1437	9.0475	-0.86426	0.4023	0.60346	-5.8912	90231
TEX10	0.35111	0.35111	3.3123	0.86415	0.40236	0.60346	-5.8913	54881
FBXO7	1.7791	1.7791	12.671	0.86413	0.40237	0.60346	-5.8914	25793
TEAD4	0.9678	0.9678	3.7434	0.86411	0.40238	0.60346	-5.8914	7004
MRPL20	2.9379	2.9379	14.086	0.86402	0.40243	0.60346	-5.8914	55052
PLN	0.49511	0.49511	1.0984	0.86401	0.40244	0.60346	-5.8915	5350
LZTFL1	-0.21838	0.21838	1.2223	-0.86378	0.40256	0.60358	-5.8916	54585
GABRD	-0.06399	0.063991	0.10688	-0.86318	0.40288	0.60401	-5.8922	2563
MALSU1	1.1279	1.1279	6.2024	0.86298	0.40298	0.60411	-5.8923	115416
XKRX	3.7907	3.7907	6.7555	0.86291	0.40302	0.60412	-5.8924	402415
POF1B	-5.9867	5.9867	19.334	-0.86282	0.40307	0.60414	-5.8925	79983
SAP30	-0.55878	0.55878	1.8535	-0.86267	0.40315	0.6042	-5.8926	8819
SMPD3	3.9846	3.9846	6.3563	0.86246	0.40326	0.60432	-5.8928	55512
SEMA4G	-0.62306	0.62306	1.6641	-0.86233	0.40333	0.60435	-5.8929	57715
ATP5F1B	15.821	15.821	98.049	0.86226	0.40336	0.60435	-5.8929	506
ZDHHC6	0.35055	0.35055	2.8604	0.86217	0.40341	0.60435	-5.893	64429
LMNA	12.856	12.856	79.856	0.86215	0.40343	0.60435	-5.893	4000
TTC33	0.15699	0.15699	0.89177	0.86181	0.40361	0.60457	-5.8933	23548
MRPS18A	1.2075	1.2075	7.1793	0.86155	0.40374	0.60472	-5.8935	55168
MED21	0.71833	0.71833	4.1858	0.86138	0.40383	0.6048	-5.8937	9412
PAXX	-1.4738	1.4738	7.2318	-0.86128	0.40389	0.60482	-5.8938	286257

LINC01599	0.067265	0.067265	0.23151	0.86121	0.40393	0.60482	-5.8938	196913
PI4KB	1.1831	1.1831	10.676	0.86115	0.40396	0.60482	-5.8939	5298
SIK3	0.4221	0.4221	5.2502	0.86097	0.40405	0.60487	-5.894	23387
HAGH	1.0346	1.0346	5.755	0.86096	0.40406	0.60487	-5.894	3029
CDC42BPA	0.64934	0.64934	3.2506	0.86037	0.40437	0.60528	-5.8945	8476
HAL	11.381	11.381	14.743	0.86023	0.40445	0.60528	-5.8947	3034
RNF166	-0.47472	0.47472	2.0171	-0.86018	0.40447	0.60528	-5.8947	115992
MYOF	-3.286	3.286	25.167	-0.86014	0.40449	0.60528	-5.8947	26509
CLK2	-0.49337	0.49337	5.6704	-0.86011	0.40451	0.60528	-5.8948	1196
LOC101927124	-0.06187	0.061865	0.12901	-0.85997	0.40458	0.60533	-5.8949	1.02E+08
MRPS35	1.1539	1.1539	6.1683	0.8598	0.40467	0.60538	-5.895	60488
RASL10B	0.11171	0.11171	0.27194	0.85976	0.4047	0.60538	-5.895	91608
UBL3	2.644	2.644	8.4756	0.85971	0.40472	0.60538	-5.8951	5412
BTG1	5.1698	5.1698	29.761	0.85942	0.40488	0.60556	-5.8953	694
INAFM1	-2.5332	2.5332	9.1062	-0.85931	0.40493	0.60559	-5.8954	255783
PHF13	0.54163	0.54163	3.5483	0.85912	0.40504	0.60566	-5.8956	148479
CD247	-0.0849	0.084896	0.34448	-0.85902	0.40509	0.60566	-5.8957	919
NBEAL2	2.9161	2.9161	15.611	0.85902	0.40509	0.60566	-5.8957	23218
NCL	-13.401	13.401	56.703	-0.8589	0.40516	0.60571	-5.8958	4691
GNRH2	-0.06006	0.060062	0.082824	-0.85877	0.40522	0.60575	-5.8959	2797
ARL1	1.086	1.086	6.9868	0.85859	0.40532	0.60584	-5.896	400
SHC3	0.21898	0.21898	0.79088	0.85851	0.40536	0.60586	-5.8961	53358
LOC101927809	0.16702	0.16702	0.47249	0.85843	0.4054	0.60586	-5.8962	1.02E+08
SNORA113	-0.0776	0.077597	0.11699	-0.85799	0.40564	0.60616	-5.8965	1.1E+08
LCE6A	34.569	34.569	39.762	0.85765	0.40582	0.60633	-5.8968	448835
APOL6	-1.0576	1.0576	2.8337	-0.85764	0.40583	0.60633	-5.8968	80830

HORMAD1	-0.6464	0.6464	0.98475	-0.85744	0.40593	0.60644	-5.897	84072
BMF	-0.32924	0.32924	1.4894	-0.85728	0.40602	0.60651	-5.8971	90427
SNORA27	0.54622	0.54622	1.6023	0.8572	0.40606	0.60652	-5.8972	619499
TTC32	-0.24228	0.24228	1.0845	-0.85691	0.40621	0.6067	-5.8974	130502
NUDT2	0.82111	0.82111	4.4265	0.85667	0.40634	0.60681	-5.8976	318
SIX2	0.26059	0.26059	0.55844	0.8566	0.40638	0.60681	-5.8977	10736
TGDS	0.19661	0.19661	1.133	0.85657	0.40639	0.60681	-5.8977	23483
ZNF182	-0.12061	0.12061	0.71864	-0.85642	0.40648	0.60688	-5.8979	7569
EBNA1BP2	2.6203	2.6203	11.334	0.85623	0.40658	0.60697	-5.898	10969
RAB14	1.3943	1.3943	12.013	0.85584	0.40679	0.60718	-5.8983	51552
APEX1	-3.8839	3.8839	19.917	-0.85583	0.40679	0.60718	-5.8984	328
TYW3	0.32692	0.32692	2.0925	0.85561	0.40691	0.6073	-5.8985	127253
KRT23	13.424	13.424	23.098	0.85552	0.40696	0.60733	-5.8986	25984
FBXO34	0.3637	0.3637	4.3577	0.85536	0.40704	0.6074	-5.8988	55030
JAK1	2.1003	2.1003	20.547	0.85514	0.40716	0.60752	-5.8989	3716
RNF175	-0.06312	0.063117	0.1381	-0.85506	0.4072	0.60753	-5.899	285533
LOC729970	-0.31403	0.31403	0.68488	-0.85487	0.40731	0.60763	-5.8992	729970
LRSAM1	-1.0088	1.0088	4.6861	-0.85471	0.40739	0.6077	-5.8993	90678
TSEN15	0.29802	0.29802	1.6763	0.85418	0.40768	0.608	-5.8997	116461
LSM14B	-0.82068	0.82068	6.8087	-0.85416	0.40768	0.608	-5.8998	149986
AZGP1P1	1.2781	1.2781	2.6253	0.85413	0.4077	0.608	-5.8998	646282
NDUFA9	1.7566	1.7566	10.568	0.8539	0.40782	0.60813	-5.9	4704
PHF20	0.30888	0.30888	4.0435	0.85364	0.40796	0.60829	-5.9002	51230
TMEM243	-0.46657	0.46657	2.3285	-0.85354	0.40802	0.60829	-5.9003	79161
HNRNPU	-3.5005	3.5005	22.599	-0.85351	0.40803	0.60829	-5.9003	3192
SLC2A6	0.2523	0.2523	0.77537	0.85315	0.40822	0.60852	-5.9006	11182

WTAP	1.5705	1.5705	10.382	0.85285	0.40839	0.60867	-5.9009	9589
NR2F2-AS1	-0.16054	0.16054	0.39521	-0.85281	0.40841	0.60867	-5.9009	644192
TUBE1	-0.19075	0.19075	1.2589	-0.85276	0.40844	0.60867	-5.9009	51175
TPD52	0.58774	0.58774	4.0104	0.85251	0.40857	0.60882	-5.9011	7163
NFAT5	-0.98658	0.98658	8.2497	-0.85233	0.40866	0.6089	-5.9013	10725
LINC01123	-0.1085	0.1085	0.63294	-0.85224	0.40871	0.60892	-5.9014	440894
ADA	0.65445	0.65445	2.439	0.8521	0.40879	0.60893	-5.9015	100
MITD1	0.47367	0.47367	2.7047	0.85205	0.40882	0.60893	-5.9015	129531
RCC2	2.7059	2.7059	19.699	0.85198	0.40885	0.60893	-5.9016	55920
LGI2	0.11404	0.11404	0.3217	0.85196	0.40886	0.60893	-5.9016	55203
ITGAE	0.16923	0.16923	0.70447	0.85187	0.40891	0.60895	-5.9017	3682
CDK18	-0.61089	0.61089	2.0978	-0.85167	0.40902	0.60905	-5.9018	5129
STXBP2	1.6673	1.6673	9.3971	0.85125	0.40924	0.60934	-5.9022	6813
RNF157	-0.10743	0.10743	0.27608	-0.85111	0.40932	0.60939	-5.9023	114804
CTAGE9	-0.0865	0.086502	0.2063	-0.85084	0.40946	0.60952	-5.9025	643854
ARF5	6.88	6.88	37.455	0.85081	0.40948	0.60952	-5.9026	381
KIF16B	-0.38905	0.38905	3.7076	-0.85065	0.40956	0.60957	-5.9027	55614
POMGNT1	-0.82999	0.82999	4.9767	-0.85062	0.40958	0.60957	-5.9027	55624
DAGLB	-0.38689	0.38689	4.3231	-0.85048	0.40966	0.60963	-5.9028	221955
CD8A	-0.1266	0.1266	0.36991	-0.85036	0.40972	0.60967	-5.9029	925
ADGRB2	0.11861	0.11861	0.25664	0.85025	0.40978	0.6097	-5.903	576
OTUD1	0.50565	0.50565	4.3235	0.85015	0.40983	0.60971	-5.9031	220213
HERC2P2	-0.87144	0.87144	4.8026	-0.85011	0.40986	0.60971	-5.9031	400322
CCDC22	-0.48965	0.48965	3.0654	-0.84994	0.40995	0.60975	-5.9033	28952
VAMP8	8.7065	8.7065	41.392	0.84985	0.41	0.60975	-5.9034	8673
GEMIN8P4	-0.06942	0.069415	0.21744	-0.84981	0.41002	0.60975	-5.9034	492303

LIMK2	3.7707	3.7707	16.777	0.84978	0.41004	0.60975	-5.9034	3985
CEPT1	0.44373	0.44373	3.6848	0.84973	0.41006	0.60975	-5.9035	10390
LOC100287015	0.13113	0.13113	0.44189	0.84966	0.4101	0.60975	-5.9035	1E+08
DOCK11	0.64034	0.64034	2.8037	0.84949	0.41019	0.60982	-5.9037	139818
BRWD1	-0.43446	0.43446	3.8224	-0.84943	0.41022	0.60982	-5.9037	54014
MTMR3	-0.70721	0.70721	6.7589	-0.84923	0.41033	0.60991	-5.9039	8897
RAB5B	2.4791	2.4791	20.202	0.84919	0.41035	0.60991	-5.9039	5869
LINC00989	-0.08854	0.088542	0.2049	-0.8491	0.4104	0.60992	-5.904	1.01E+08
ATG10	0.20351	0.20351	1.4023	0.84864	0.41065	0.61024	-5.9044	83734
IFT88	-0.15891	0.15891	0.94587	-0.8485	0.41072	0.6103	-5.9045	8100
IFT57	0.85289	0.85289	4.0339	0.84767	0.41117	0.61089	-5.9052	55081
ZNF611	-0.16787	0.16787	1.2924	-0.84762	0.41119	0.61089	-5.9052	81856
BCYRN1	1.7059	1.7059	7.0845	0.84745	0.41129	0.61098	-5.9054	618
CDC123	1.846	1.846	10.873	0.84734	0.41135	0.61101	-5.9054	8872
SRSF8	0.80583	0.80583	6.0418	0.84717	0.41143	0.61104	-5.9056	10929
GBAP1	0.68601	0.68601	1.3551	0.84713	0.41146	0.61104	-5.9056	2630
SPOP	-0.6514	0.6514	5.1707	-0.8471	0.41147	0.61104	-5.9056	8405
IVNS1ABP	-1.5738	1.5738	15.649	-0.84695	0.41155	0.6111	-5.9058	10625
DOK5	0.10796	0.10796	0.24792	0.8467	0.41169	0.61125	-5.906	55816
PTPRK	-0.5107	0.5107	6.7124	-0.84663	0.41173	0.61126	-5.906	5796
EIPR1	0.65727	0.65727	3.4401	0.84654	0.41177	0.61127	-5.9061	7260
ARHGEF40	-0.87286	0.87286	3.3919	-0.8464	0.41185	0.61133	-5.9062	55701
MRPL42	0.49352	0.49352	3.4713	0.84627	0.41192	0.61138	-5.9063	28977
GZMM	-0.11092	0.11092	0.29055	-0.84582	0.41216	0.6116	-5.9067	3004
LGMN	5.5344	5.5344	20.548	0.84579	0.41218	0.6116	-5.9067	5641
SNORA44	0.096738	0.096738	0.18463	0.84579	0.41218	0.6116	-5.9067	677825

SNORA63D	-0.21091	0.21091	0.4168	-0.8457	0.41223	0.61162	-5.9068	1.1E+08
NDUFA2	2.5178	2.5178	10.643	0.84562	0.41227	0.61163	-5.9069	4695
GAS1	-1.9963	1.9963	10.611	-0.84553	0.41232	0.61165	-5.907	2619
GCFC2	-0.1737	0.1737	1.5184	-0.84544	0.41237	0.61165	-5.907	6936
ARHGEF3	0.4938	0.4938	3.8974	0.84534	0.41242	0.61165	-5.9071	50650
LYPD1	0.076072	0.076072	0.16511	0.84533	0.41243	0.61165	-5.9071	116372
COQ5	0.64427	0.64427	3.0827	0.84504	0.41258	0.61182	-5.9074	84274
CSF2RB	1.3058	1.3058	4.1831	0.84484	0.41269	0.61193	-5.9075	1439
TARS2	-0.52171	0.52171	3.1217	-0.84472	0.41276	0.61198	-5.9076	80222
FIP1L1	-0.65247	0.65247	6.6219	-0.84456	0.41284	0.61205	-5.9078	81608
GPR141	-0.0663	0.0663	0.21362	-0.8442	0.41304	0.61225	-5.9081	353345
JAGN1	0.69798	0.69798	5.1953	0.84418	0.41305	0.61225	-5.9081	84522
SLC9C1	-0.0651	0.065099	0.12297	-0.84393	0.41318	0.61239	-5.9083	285335
ZNF485	-0.13199	0.13199	0.69392	-0.84377	0.41327	0.61244	-5.9084	220992
DLG5-AS1	-0.06709	0.067087	0.23791	-0.84373	0.41329	0.61244	-5.9084	1E+08
CASP14	89.925	89.925	129.28	0.84333	0.41351	0.61268	-5.9088	23581
TCOF1	-0.9171	0.9171	3.6418	-0.8433	0.41353	0.61268	-5.9088	6949
IQGAP2	-0.36942	0.36942	1.4505	-0.84277	0.41381	0.613	-5.9092	10788
RHOBTB1	0.3181	0.3181	1.3437	0.84276	0.41381	0.613	-5.9092	9886
CYP26B1	1.6714	1.6714	7.4018	0.84261	0.4139	0.61305	-5.9094	56603
ZBTB45	-0.37896	0.37896	2.4229	-0.84257	0.41392	0.61305	-5.9094	84878
SPOCK1	-1.9795	1.9795	3.3166	-0.84234	0.41404	0.61318	-5.9096	6695
RRP12	0.78303	0.78303	4.6181	0.84207	0.41419	0.61334	-5.9098	23223
LINC00958	0.53066	0.53066	1.3398	0.84195	0.41425	0.61337	-5.9099	1.01E+08
CNPY4	0.68628	0.68628	2.5173	0.84191	0.41428	0.61337	-5.91	245812
CHSY1	2.0594	2.0594	8.4652	0.84182	0.41432	0.61338	-5.91	22856

PLXDC1	1.1331	1.1331	2.8551	0.84168	0.4144	0.61344	-5.9101	57125
STAT1	-4.7082	4.7082	13.945	-0.84124	0.41464	0.61374	-5.9105	6772
SLC6A6	1.7096	1.7096	6.4635	0.8406	0.41498	0.61417	-5.911	6533
ACSL3	0.87171	0.87171	4.9075	0.84057	0.415	0.61417	-5.9111	2181
SMARCA4	-1.9615	1.9615	12.363	-0.84028	0.41516	0.61427	-5.9113	6597
PLXNB3	-0.40575	0.40575	1.4324	-0.84026	0.41517	0.61427	-5.9113	5365
POC1B-GALNT4	-0.08443	0.084429	0.2405	-0.84019	0.41521	0.61427	-5.9114	1.01E+08
CHD1L	0.39378	0.39378	3.9554	0.84018	0.41521	0.61427	-5.9114	9557
IL36B	0.49216	0.49216	0.93229	0.8401	0.41525	0.61427	-5.9114	27177
NOTCH2NLC	0.8812	0.8812	4.4261	0.83989	0.41537	0.61439	-5.9116	1.01E+08
USP28	-0.23532	0.23532	1.624	-0.83971	0.41547	0.61448	-5.9118	57646
MRPL12	3.4641	3.4641	14.419	0.83957	0.41554	0.61452	-5.9119	6182
TNFSF12	-1.2514	1.2514	4.5893	-0.83952	0.41557	0.61452	-5.9119	8742
ARHGAP10	-0.40981	0.40981	3.7718	-0.8394	0.41563	0.61456	-5.912	79658
PTK6	3.4923	3.4923	15.521	0.83934	0.41566	0.61456	-5.9121	5753
LINC00662	-0.11552	0.11552	0.69932	-0.83909	0.4158	0.61471	-5.9123	148189
WDR63	-0.0676	0.067598	0.20941	-0.8389	0.41591	0.61472	-5.9124	126820
MED17	0.35881	0.35881	2.85	0.83887	0.41592	0.61472	-5.9125	9440
REX1BD	-2.1476	2.1476	8.0876	-0.83882	0.41595	0.61472	-5.9125	55049
SPIN2B	-0.17368	0.17368	1.2047	-0.8388	0.41596	0.61472	-5.9125	474343
APELA	0.45172	0.45172	0.59048	0.83872	0.416	0.61473	-5.9126	1.01E+08
PTP4A2	2.4802	2.4802	11.057	0.83835	0.4162	0.61498	-5.9129	8073
CXCL9	0.87466	0.87466	1.6006	0.83819	0.41629	0.61502	-5.913	4283
ASAP2	0.88719	0.88719	4.5225	0.83816	0.4163	0.61502	-5.913	8853
RALGDS	-1.092	1.092	11.486	-0.83804	0.41637	0.61506	-5.9131	5900
OS9	-5.5578	5.5578	34.362	-0.83774	0.41653	0.6152	-5.9134	10956

ALDH1B1	-0.89611	0.89611	2.031	-0.83774	0.41654	0.6152	-5.9134	219
ZNF584	-0.24315	0.24315	2.2089	-0.83765	0.41658	0.61522	-5.9135	201514
SLC5A4	0.10166	0.10166	0.24793	0.83735	0.41675	0.61537	-5.9137	6527
IL10RB	1.0198	1.0198	6.2887	0.83731	0.41677	0.61537	-5.9137	3588
INTS4P2	-0.062	0.061999	0.14769	-0.83726	0.4168	0.61537	-5.9138	644619
SYTL2	0.61999	0.61999	2.2121	0.83717	0.41684	0.61539	-5.9139	54843
ZYG11B	0.38665	0.38665	3.4399	0.83682	0.41703	0.61561	-5.9142	79699
HSPB11	0.75748	0.75748	3.1288	0.83666	0.41712	0.61569	-5.9143	51668
CUEDC1	-0.60625	0.60625	2.7571	-0.83615	0.4174	0.61603	-5.9147	404093
SURF1	-1.4413	1.4413	8.1239	-0.8361	0.41743	0.61603	-5.9147	6834
QTRT2	-0.29368	0.29368	2.3513	-0.83582	0.41758	0.6162	-5.915	79691
SNX22	-0.26469	0.26469	0.71018	-0.83574	0.41762	0.6162	-5.915	79856
NRDC	2.759	2.759	19.096	0.83569	0.41765	0.6162	-5.9151	4898
ZMIZ1	-1.9286	1.9286	14.703	-0.83556	0.41772	0.61625	-5.9152	57178
C9orf72	0.24278	0.24278	1.3075	0.83537	0.41782	0.6163	-5.9153	203228
CTF1	-0.13852	0.13852	0.46931	-0.83536	0.41783	0.6163	-5.9154	1489
MLKL	0.44818	0.44818	1.9348	0.83521	0.41791	0.61637	-5.9155	197259
ACBD3-AS1	-0.24592	0.24592	0.93089	-0.83458	0.41825	0.61682	-5.916	1.08E+08
HMG20A	-0.33299	0.33299	3.1343	-0.834	0.41857	0.61719	-5.9165	10363
TMEM191A	0.090807	0.090807	0.33599	0.83395	0.41859	0.61719	-5.9165	84222
UBXN4	1.2643	1.2643	13.292	0.83391	0.41862	0.61719	-5.9165	23190
CMKLR1	-0.57552	0.57552	1.8806	-0.83359	0.41879	0.6174	-5.9168	1240
LIVAR	-0.06817	0.068165	0.22388	-0.83337	0.41891	0.61748	-5.917	1.03E+08
DCAF7	-1.1648	1.1648	6.4579	-0.83331	0.41894	0.61748	-5.917	10238
RAB5C	4.8573	4.8573	23.181	0.83329	0.41896	0.61748	-5.9171	5878
PCSK9	-0.39461	0.39461	0.97058	-0.83296	0.41913	0.61768	-5.9173	255738

UHRF1	0.91261	0.91261	2.172	0.83283	0.4192	0.61773	-5.9174	29128
CCL20	1.0371	1.0371	1.6534	0.83254	0.41936	0.61789	-5.9177	6364
NKILA	0.062345	0.062345	0.19746	0.83251	0.41938	0.61789	-5.9177	1.05E+08
CBX4	1.2188	1.2188	6.6123	0.83237	0.41945	0.61792	-5.9178	8535
TEN1	1.2079	1.2079	5.3107	0.83227	0.41951	0.61792	-5.9179	1E+08
UCK1	-0.88483	0.88483	4.4288	-0.83223	0.41953	0.61792	-5.9179	83549
PLXNB2	-4.2162	4.2162	22.158	-0.83215	0.41958	0.61792	-5.918	23654
LEXM	0.093873	0.093873	0.38378	0.83213	0.41959	0.61792	-5.918	163747
SUDS3	-0.39239	0.39239	6.3997	-0.83182	0.41975	0.61812	-5.9183	64426
ZBTB24	-0.20978	0.20978	1.746	-0.83167	0.41984	0.61816	-5.9184	9841
FNIP1	0.53361	0.53361	3.8789	0.83157	0.41989	0.61816	-5.9185	96459
MRC1	2.0188	2.0188	6.3981	0.8315	0.41993	0.61816	-5.9185	4360
PUDP	0.20313	0.20313	1.28	0.83138	0.41999	0.61816	-5.9186	8226
TICAM2	0.13857	0.13857	0.41879	0.83138	0.41999	0.61816	-5.9186	353376
KLF3-AS1	-0.11774	0.11774	0.52828	-0.83137	0.42	0.61816	-5.9186	79667
RAB11FIP5	1.4197	1.4197	7.5668	0.83125	0.42006	0.61819	-5.9187	26056
CEP89	-0.22186	0.22186	1.8733	-0.83119	0.4201	0.61819	-5.9188	84902
DCAF10	0.24298	0.24298	3.4468	0.83067	0.42038	0.61856	-5.9192	79269
IL2RA	0.12638	0.12638	0.32746	0.83047	0.42049	0.61866	-5.9194	3559
CYP2U1	-0.18769	0.18769	0.72931	-0.83001	0.42074	0.61896	-5.9197	113612
EID2B	-0.10959	0.10959	0.34298	-0.82997	0.42076	0.61896	-5.9198	126272
ENPP2	-1.4104	1.4104	3.6556	-0.82973	0.4209	0.6191	-5.92	5168
MGAT4B	1.8525	1.8525	11.311	0.82946	0.42104	0.61926	-5.9202	11282
MSRB1	2.9382	2.9382	9.821	0.82927	0.42115	0.61936	-5.9203	51734
KIF7	-0.2274	0.2274	0.77937	-0.82895	0.42132	0.61956	-5.9206	374654
LOC105369332	-0.09076	0.090758	0.34229	-0.82865	0.42149	0.61975	-5.9208	1.05E+08

HDHD5	-0.99357	0.99357	5.1159	-0.82857	0.42153	0.61976	-5.9209	27440
APLF	0.35495	0.35495	1.9194	0.82832	0.42166	0.6199	-5.9211	200558
CD27	-0.09173	0.091726	0.34052	-0.82809	0.42179	0.62003	-5.9213	939
LRRC8B	0.47303	0.47303	2.6962	0.82802	0.42183	0.62004	-5.9214	23507
TMEM219	-3.5591	3.5591	18.5	-0.82717	0.4223	0.62065	-5.922	124446
HMGXB3	-0.72527	0.72527	5.3337	-0.82712	0.42232	0.62065	-5.9221	22993
PUM3	1.2406	1.2406	7.2316	0.82703	0.42237	0.62067	-5.9222	9933
UBXN8	0.31552	0.31552	1.5531	0.82696	0.42241	0.62067	-5.9222	7993
UTP15	0.30216	0.30216	1.841	0.82686	0.42247	0.62071	-5.9223	84135
SSNA1	2.9104	2.9104	13.587	0.82603	0.42292	0.62132	-5.923	8636
SCARNA9L	-0.49916	0.49916	2.4272	-0.82593	0.42298	0.62133	-5.9231	1E+08
LAMB2	-4.6263	4.6263	17.574	-0.82588	0.423	0.62133	-5.9231	3913
AARSD1	-0.73585	0.73585	3.895	-0.82578	0.42306	0.62135	-5.9232	80755
FAM20B	0.40163	0.40163	4.398	0.82552	0.4232	0.62148	-5.9234	9917
BAZ2B	-0.46412	0.46412	4.2452	-0.82541	0.42326	0.62148	-5.9235	29994
CNOT1	-1.5052	1.5052	15.096	-0.82541	0.42326	0.62148	-5.9235	23019
TMEM150B	-0.08662	0.086616	0.22841	-0.82536	0.42329	0.62148	-5.9235	284417
FGFRL1	-0.32356	0.32356	1.5522	-0.82492	0.42353	0.62178	-5.9239	53834
SEMA3B-AS1	0.097783	0.097783	0.18599	0.82484	0.42357	0.62178	-5.9239	1.02E+08
GGN	-0.07296	0.072964	0.43304	-0.82461	0.4237	0.62188	-5.9241	199720
DOCK8	0.4972	0.4972	2.9093	0.82459	0.42371	0.62188	-5.9241	81704
CCDC18	0.08997	0.08997	0.43316	0.82448	0.42377	0.62192	-5.9242	343099
POP4	0.70613	0.70613	3.4116	0.82411	0.42398	0.62211	-5.9245	10775
ALDH2	-7.3842	7.3842	41.43	-0.82411	0.42398	0.62211	-5.9245	217
CALML5	878.96	878.96	1166.4	0.82387	0.42411	0.62225	-5.9247	51806
SUPT7L	0.24955	0.24955	3.0575	0.82301	0.42458	0.62289	-5.9254	9913

NAP1L1	1.5098	1.5098	10.015	0.82288	0.42465	0.62294	-5.9255	4673
CASP1P2	-0.11555	0.11555	0.35755	-0.82267	0.42477	0.62305	-5.9257	440067
CC2D2A	-0.2177	0.2177	1.1442	-0.82254	0.42484	0.62305	-5.9258	57545
CNPY2	1.5366	1.5366	6.4495	0.82254	0.42484	0.62305	-5.9258	10330
LOC101927018	-0.18395	0.18395	0.53156	-0.82226	0.42499	0.62311	-5.926	1.02E+08
GGT5	-2.6513	2.6513	6.0856	-0.82222	0.42501	0.62311	-5.9261	2687
PRR29	-0.12552	0.12552	0.31102	-0.8222	0.42503	0.62311	-5.9261	92340
EHD2	4.7235	4.7235	23.427	0.8221	0.42508	0.62311	-5.9262	30846
PNKP	1.0545	1.0545	6.5887	0.82207	0.42509	0.62311	-5.9262	11284
KLHL15	-0.1411	0.1411	0.96039	-0.82206	0.4251	0.62311	-5.9262	80311
POLD1	-0.57788	0.57788	2.6448	-0.82194	0.42516	0.62315	-5.9263	5424
RAB28	0.31676	0.31676	2.7101	0.82175	0.42527	0.62325	-5.9264	9364
RPS6KA2	-0.70513	0.70513	4.3205	-0.82147	0.42542	0.62342	-5.9267	6196
ACTR5	-0.19274	0.19274	1.9099	-0.82128	0.42553	0.62352	-5.9268	79913
PGAM5	1.4474	1.4474	7.6475	0.8212	0.42558	0.62353	-5.9269	192111
SIRT7	1.1029	1.1029	5.9905	0.82049	0.42597	0.62403	-5.9275	51547
NCAPD2	-0.83106	0.83106	4.5883	-0.82044	0.42599	0.62403	-5.9275	9918
MMAB	-0.35286	0.35286	2.0903	-0.82038	0.42602	0.62403	-5.9276	326625
LOC729870	0.15197	0.15197	0.41569	0.8202	0.42612	0.62412	-5.9277	729870
FIG4	-0.30102	0.30102	2.3156	-0.81999	0.42624	0.62424	-5.9279	9896
DENND6A	0.35471	0.35471	3.5193	0.81969	0.42641	0.62443	-5.9281	201627
AAMP	-2.9381	2.9381	17.779	-0.81958	0.42647	0.62446	-5.9282	14
DLAT	0.54028	0.54028	3.6652	0.8195	0.42651	0.62447	-5.9283	1737
SAPCD2	-0.3336	0.3336	1.4887	-0.81925	0.42665	0.62462	-5.9285	89958
DDX11L5	-0.05702	0.057015	0.082674	-0.81913	0.42671	0.62466	-5.9286	1E+08
CCDC14	-0.3685	0.3685	2.5105	-0.81854	0.42704	0.62508	-5.929	64770

FLOT2	-5.7066	5.7066	17.268	-0.81841	0.42711	0.62513	-5.9291	2319
BCL9L	-2.0567	2.0567	12.189	-0.81796	0.42736	0.62544	-5.9295	283149
TPD52L1	1.2777	1.2777	6.3533	0.8178	0.42745	0.62552	-5.9296	7164
WDR91	-0.55088	0.55088	3.8118	-0.81761	0.42755	0.62557	-5.9298	29062
ADCY1	-0.10965	0.10965	0.2904	-0.81761	0.42755	0.62557	-5.9298	107
EXTL3-AS1	-0.06812	0.068117	0.16088	-0.81706	0.42786	0.62594	-5.9302	1.02E+08
CHMP1A	3.0526	3.0526	17.816	0.81701	0.42788	0.62594	-5.9303	5119
ITGAM	0.38603	0.38603	1.4788	0.81674	0.42803	0.62605	-5.9305	3684
CS	3.5048	3.5048	27.316	0.81673	0.42804	0.62605	-5.9305	1431
ADORA2A	-0.08749	0.087486	0.11284	-0.81655	0.42814	0.62611	-5.9306	135
INSIG1	0.98667	0.98667	5.144	0.81653	0.42815	0.62611	-5.9307	3638
CLEC16A	-0.39544	0.39544	3.9795	-0.81636	0.42824	0.62615	-5.9308	23274
ZNF260	0.2426	0.2426	1.5639	0.81635	0.42825	0.62615	-5.9308	339324
POU5F1P5	-0.29709	0.29709	1.2626	-0.81623	0.42831	0.62619	-5.9309	1E+08
TAX1BP3	10.969	10.969	45.259	0.81608	0.4284	0.62622	-5.931	30851
CLIP2	-0.76663	0.76663	3.4761	-0.81606	0.42841	0.62622	-5.931	7461
NOB1	-1.5088	1.5088	9.5753	-0.81553	0.4287	0.62654	-5.9315	28987
LINC01002	-0.73525	0.73525	1.9182	-0.81553	0.4287	0.62654	-5.9315	399844
NELFCD	-1.2046	1.2046	8.8377	-0.81521	0.42888	0.62674	-5.9317	51497
CBX6	-1.6813	1.6813	6.5865	-0.81513	0.42892	0.62675	-5.9318	23466
APOA1-AS	-0.12625	0.12625	0.36167	-0.81471	0.42915	0.62704	-5.9321	1.04E+08
PKD1P5-LOC105376752	-0.28613	0.28613	0.49557	-0.81456	0.42924	0.6271	-5.9322	1.1E+08
ANGPTL2	8.0106	8.0106	22.533	0.8137	0.42971	0.62773	-5.9329	23452
ACOT13	0.31174	0.31174	2.2001	0.81365	0.42974	0.62773	-5.933	55856
PLEKHO1	1.3305	1.3305	4.3042	0.81336	0.4299	0.62786	-5.9332	51177
KRR1	0.54781	0.54781	4.0937	0.81336	0.4299	0.62786	-5.9332	11103

TAB3	0.45777	0.45777	3.4225	0.81323	0.42998	0.62791	-5.9333	257397
SHROOM1	-0.28145	0.28145	1.0798	-0.81295	0.43013	0.62808	-5.9335	134549
ADAT3	-0.42651	0.42651	2.0453	-0.81278	0.43022	0.62816	-5.9337	113179
C1QTNF1	-2.764	2.764	6.5839	-0.81255	0.43035	0.62829	-5.9339	114897
RTF1	-0.61369	0.61369	6.2693	-0.81239	0.43044	0.62837	-5.934	23168
DDX19B	-0.46147	0.46147	3.7877	-0.81228	0.4305	0.6284	-5.9341	11269
PSMB9	-0.25096	0.25096	0.73516	-0.8121	0.4306	0.6285	-5.9342	5698
SAE1	1.713	1.713	9.7799	0.81182	0.43075	0.62862	-5.9344	10055
ALDOA	27.058	27.058	115.47	0.81181	0.43076	0.62862	-5.9344	226
LCK	-0.17046	0.17046	0.62548	-0.81157	0.43089	0.62876	-5.9346	3932
EDEM2	0.57241	0.57241	3.3047	0.81133	0.43103	0.6289	-5.9348	55741
LIAS	-0.24577	0.24577	1.8059	-0.81103	0.4312	0.62909	-5.9351	11019
NUBP1	0.96625	0.96625	5.3186	0.81061	0.43143	0.62931	-5.9354	4682
CD163L1	0.40105	0.40105	1.3393	0.81058	0.43144	0.62931	-5.9354	283316
LCE1E	24.625	24.625	28.188	0.81056	0.43145	0.62931	-5.9354	353135
LOC93429	-0.26303	0.26303	0.90968	-0.8102	0.43165	0.62952	-5.9357	93429
RHOU	-0.45764	0.45764	1.3741	-0.81016	0.43168	0.62952	-5.9358	58480
PARK7	7.4185	7.4185	30.423	0.80993	0.43181	0.62966	-5.936	11315
TNS3	-1.2038	1.2038	5.2642	-0.80958	0.432	0.62989	-5.9362	64759
PFDN6	0.29484	0.29484	1.4236	0.80947	0.43206	0.62992	-5.9363	10471
C3orf86	0.059553	0.059553	0.095519	0.80928	0.43217	0.62996	-5.9365	1.03E+08
EIF4G1	8.3304	8.3304	49.039	0.80926	0.43218	0.62996	-5.9365	1981
SLC5A1	1.2849	1.2849	4.1125	0.80923	0.4322	0.62996	-5.9365	6523
SFXN5	-0.43626	0.43626	2.1188	-0.80908	0.43228	0.63002	-5.9366	94097
SIRPB2	-0.15008	0.15008	0.48586	-0.80893	0.43236	0.63008	-5.9367	284759
RBM47	0.58291	0.58291	3.843	0.80884	0.43241	0.63008	-5.9368	54502

TRAM2-AS1	-0.15313	0.15313	0.53935	-0.80876	0.43245	0.63008	-5.9369	401264
EEPD1	-0.38004	0.38004	1.878	-0.80868	0.4325	0.63008	-5.9369	80820
SELENOI	0.70877	0.70877	5.4827	0.80867	0.43251	0.63008	-5.937	85465
COL1A1	452.32	452.32	753.42	0.8085	0.4326	0.63016	-5.9371	1277
FAM199X	0.27519	0.27519	2.6499	0.80787	0.43295	0.63059	-5.9376	139231
LINC01948	-0.13738	0.13738	0.35267	-0.80784	0.43297	0.63059	-5.9376	1.02E+08
PYM1	1.1851	1.1851	7.2813	0.80774	0.43303	0.63062	-5.9377	84305
SLC35B1	1.4988	1.4988	7.5512	0.80755	0.43313	0.63072	-5.9379	10237
MAPKAPK3	1.5385	1.5385	11.163	0.80735	0.43324	0.63075	-5.938	7867
PPIG	0.8661	0.8661	5.7727	0.80731	0.43326	0.63075	-5.938	9360
WASHC5	0.82926	0.82926	6.5143	0.80731	0.43326	0.63075	-5.938	9897
TCEANC	-0.07695	0.076947	0.34596	-0.80685	0.43352	0.63102	-5.9384	170082
ZNF585B	-0.18529	0.18529	1.1438	-0.80684	0.43353	0.63102	-5.9384	92285
SEPHS1	0.64532	0.64532	4.6459	0.80659	0.43366	0.63113	-5.9386	22929
PTP4A3	-1.998	1.998	3.7221	-0.80657	0.43367	0.63113	-5.9386	11156
ABCC5-AS1	-0.06853	0.06853	0.12038	-0.80648	0.43373	0.63115	-5.9387	1.01E+08
OSBPL6	-0.19652	0.19652	1.5922	-0.80632	0.43382	0.63117	-5.9388	114880
DNLZ	1.3739	1.3739	4.9334	0.80631	0.43382	0.63117	-5.9388	728489
AXL	-1.8475	1.8475	7.2942	-0.80625	0.43385	0.63117	-5.9389	558
FOLR2	-1.8805	1.8805	5.1718	-0.80599	0.434	0.63133	-5.9391	2350
POLR3C	-0.31858	0.31858	2.6762	-0.80589	0.43405	0.63135	-5.9392	10623
MAP6D1	0.15461	0.15461	1.0074	0.80571	0.43415	0.63144	-5.9393	79929
ANKRA2	-0.34977	0.34977	2.1276	-0.80562	0.4342	0.63146	-5.9394	57763
RPSA	60.518	60.518	271.77	0.80525	0.43441	0.63171	-5.9397	3921
PNPLA2	-2.4951	2.4951	12.684	-0.80498	0.43456	0.63187	-5.9399	57104
RAPGEF5	0.63654	0.63654	4.3326	0.80491	0.4346	0.63187	-5.9399	9771

PLA2G2F	-0.78541	0.78541	2.4778	-0.80482	0.43465	0.63187	-5.94	64600
USP53	0.53409	0.53409	3.6158	0.80477	0.43468	0.63187	-5.9401	54532
KIFC1	0.17834	0.17834	0.59327	0.80471	0.43471	0.63187	-5.9401	3833
CPT2	0.43939	0.43939	3.1174	0.80462	0.43476	0.6319	-5.9402	1376
COPRS	0.91693	0.91693	5.6385	0.80454	0.43481	0.63191	-5.9402	55352
B4GALT7	-0.74591	0.74591	4.3285	-0.8044	0.43489	0.63197	-5.9404	11285
AKAP13	-0.89434	0.89434	11.211	-0.80405	0.43508	0.63219	-5.9406	11214
ORC5	0.39196	0.39196	2.3947	0.80399	0.43512	0.63219	-5.9407	5001
FER1L4	-0.05729	0.05729	0.13265	-0.80389	0.43517	0.63221	-5.9408	80307
ADPRH	0.27711	0.27711	1.1184	0.8036	0.43533	0.63239	-5.941	141
HEXIM1	-0.89162	0.89162	7.0522	-0.80354	0.43536	0.63239	-5.941	10614
SFRP4	3.2649	3.2649	4.678	0.80269	0.43584	0.63303	-5.9417	6424
JAZF1	-0.36053	0.36053	2.0159	-0.80258	0.4359	0.63306	-5.9418	221895
RDH14	0.62321	0.62321	3.5346	0.80239	0.43601	0.63316	-5.9419	57665
KRBOX4	-0.20477	0.20477	1.0761	-0.80163	0.43643	0.63372	-5.9426	55634
POU2AF1	-0.08149	0.08149	0.2094	-0.80089	0.43684	0.63427	-5.9431	5450
NECAB1	-0.07469	0.074692	0.20266	-0.80066	0.43698	0.63439	-5.9433	64168
PRRX2-AS1	-0.07526	0.075255	0.17688	-0.80059	0.43701	0.63439	-5.9434	1.02E+08
EPST11	-0.96495	0.96495	1.8494	-0.80054	0.43704	0.63439	-5.9434	94240
SCRIB	-3.8744	3.8744	13.749	-0.80021	0.43722	0.6346	-5.9437	23513
FRS2	0.36249	0.36249	2.774	0.7991	0.43785	0.63545	-5.9445	10818
SZRD1	2.5618	2.5618	16.838	0.79882	0.43801	0.63561	-5.9448	26099
ABCE1	1.1121	1.1121	6.6635	0.79878	0.43803	0.63561	-5.9448	6059
DLEU2	0.1443	0.1443	0.51671	0.79863	0.43811	0.63564	-5.9449	8847
ERF	-1.4633	1.4633	8.8545	-0.79859	0.43813	0.63564	-5.9449	2077
TGM3	13.605	13.605	26.349	0.79845	0.43821	0.63566	-5.9451	7053

C6orf52	-0.06013	0.060125	0.11095	-0.79844	0.43822	0.63566	-5.9451	347744
ARL4A	-0.91289	0.91289	4.5858	-0.79824	0.43833	0.63576	-5.9452	10124
BMS1P21	-0.0833	0.0833	0.21871	-0.7981	0.43841	0.63576	-5.9453	1E+08
CHCHD5	1.237	1.237	6.0639	0.79807	0.43842	0.63576	-5.9454	84269
SFR1	0.18574	0.18574	1.0941	0.79805	0.43844	0.63576	-5.9454	119392
LCN6	-0.12686	0.12686	0.25234	-0.79785	0.43855	0.63587	-5.9455	158062
TAOK2	-0.91149	0.91149	5.3307	-0.79749	0.43875	0.6361	-5.9458	9344
VCPKMT	0.1422	0.1422	1.6957	0.79705	0.439	0.63641	-5.9462	79609
CCSER2	0.92115	0.92115	5.7418	0.79699	0.43903	0.63641	-5.9462	54462
SLC5A3	0.38405	0.38405	3.1524	0.79668	0.43921	0.63652	-5.9465	6526
S100A13	2.3479	2.3479	7.849	0.79661	0.43925	0.63652	-5.9465	6284
SLC35C2	-0.92458	0.92458	6.8683	-0.79661	0.43925	0.63652	-5.9465	51006
CCL3	1.0561	1.0561	1.996	0.79657	0.43927	0.63652	-5.9465	6348
ATPAF1	0.51035	0.51035	4.0131	0.7963	0.43942	0.63669	-5.9468	64756
PHLDB3	1.1323	1.1323	5.6043	0.79611	0.43953	0.63672	-5.9469	653583
DMKN	137.86	137.86	336.28	0.79608	0.43954	0.63672	-5.9469	93099
DSTNP2	0.10116	0.10116	0.72036	0.79605	0.43956	0.63672	-5.947	171220
PCDHGA12	-0.2428	0.2428	1.4135	-0.796	0.43959	0.63672	-5.947	26025
CTDP1	-0.67148	0.67148	5.193	-0.79586	0.43967	0.63678	-5.9471	9150
USHBP1	-0.16687	0.16687	0.55553	-0.79563	0.4398	0.63682	-5.9473	83878
SH2B3	1.071	1.071	4.5099	0.79561	0.43981	0.63682	-5.9473	10019
ACTRT3	0.14735	0.14735	0.52247	0.79555	0.43984	0.63682	-5.9473	84517
MCHR1	-0.18375	0.18375	0.29043	-0.79542	0.43992	0.63682	-5.9474	2847
ACSS2	-0.7299	0.7299	5.6518	-0.7954	0.43992	0.63682	-5.9475	55902
KMT5B	0.34299	0.34299	3.3813	0.7954	0.43993	0.63682	-5.9475	51111
RUFY2	0.19009	0.19009	1.8838	0.79529	0.43999	0.63682	-5.9475	55680

SPRYD4	-0.24957	0.24957	2.4775	-0.79521	0.44003	0.63682	-5.9476	283377
TST	2.1884	2.1884	8.1223	0.79519	0.44004	0.63682	-5.9476	7263
POLR1E	-0.68114	0.68114	4.7362	-0.79513	0.44008	0.63682	-5.9477	64425
RYR3	-0.34828	0.34828	0.82146	-0.79494	0.44019	0.63689	-5.9478	6263
SMOC1	0.18167	0.18167	0.55342	0.79474	0.4403	0.63689	-5.948	64093
DSG2	-0.6008	0.6008	2.6752	-0.79468	0.44033	0.63689	-5.948	1829
EPAS1	9.7306	9.7306	38.841	0.79467	0.44034	0.63689	-5.948	2034
ST6GALNAC3	0.064961	0.064961	0.18593	0.79464	0.44035	0.63689	-5.9481	256435
SPTSSB	2.9738	2.9738	4.9417	0.79458	0.44039	0.63689	-5.9481	165679
DENND5B-AS1	-0.0689	0.0689	0.1296	-0.79458	0.44039	0.63689	-5.9481	1.01E+08
RUVBL1	0.69821	0.69821	3.8198	0.79442	0.44048	0.63697	-5.9482	8607
ANKRD26	-0.16953	0.16953	1.0509	-0.79403	0.4407	0.63718	-5.9485	22852
LAMB3	4.3387	4.3387	15.944	0.79403	0.4407	0.63718	-5.9485	3914
PON2	1.5531	1.5531	9.2878	0.79391	0.44076	0.63721	-5.9486	5445
VEGFB	2.0743	2.0743	10.732	0.7936	0.44094	0.6374	-5.9489	7423
F13A1	-4.7605	4.7605	13.784	-0.79356	0.44096	0.6374	-5.9489	2162
PDE6D	0.50477	0.50477	2.8749	0.79326	0.44113	0.63754	-5.9491	5147
MFSD3	-1.3516	1.3516	3.7292	-0.79325	0.44114	0.63754	-5.9491	113655
YIF1B	0.67105	0.67105	3.4873	0.793	0.44128	0.63769	-5.9493	90522
WDFY3	-0.38415	0.38415	6.7091	-0.79292	0.44132	0.6377	-5.9494	23001
FTO-IT1	-0.2111	0.2111	0.62661	-0.79277	0.44141	0.63776	-5.9495	1.01E+08
SLC43A3	-2.5918	2.5918	9.294	-0.79264	0.44148	0.63777	-5.9496	29015
CKAP2	0.64627	0.64627	3.1128	0.79255	0.44153	0.63777	-5.9497	26586
NELFB	-1.6543	1.6543	9.4531	-0.79241	0.44161	0.63777	-5.9498	25920
ODF2	-0.45439	0.45439	2.7936	-0.79241	0.44161	0.63777	-5.9498	4957
CHD3	-1.7697	1.7697	11.043	-0.79238	0.44162	0.63777	-5.9498	1107

ISG15	-6.3808	6.3808	10.151	-0.79234	0.44165	0.63777	-5.9499	9636
NIPAL2	2.5625	2.5625	10.046	0.7923	0.44167	0.63777	-5.9499	79815
PP2D1	-0.08229	0.082289	0.31264	-0.79198	0.44185	0.63797	-5.9501	151649
RMND5B	-1.1245	1.1245	6.2923	-0.79175	0.44198	0.6381	-5.9503	64777
PPRC1	0.97345	0.97345	6.6664	0.79141	0.44217	0.63829	-5.9506	23082
RTL6	0.5295	0.5295	3.0863	0.79138	0.44219	0.63829	-5.9506	84247
CBLL1	-0.3167	0.3167	2.4462	-0.79105	0.44238	0.63851	-5.9509	79872
TJP3	-0.54347	0.54347	1.2004	-0.79097	0.44242	0.63852	-5.9509	27134
SPPL3	-1.0855	1.0855	12.586	-0.79086	0.44248	0.63855	-5.951	121665
RASSF5	1.4631	1.4631	9.2217	0.79063	0.44261	0.63869	-5.9512	83593
MSX1	-0.41753	0.41753	1.087	-0.79032	0.44279	0.63886	-5.9514	4487
CHTF8	2.4344	2.4344	16.127	0.79029	0.44281	0.63886	-5.9515	54921
DCLRE1A	-0.11467	0.11467	0.81797	-0.79014	0.44289	0.63892	-5.9516	9937
RPL30	77.753	77.753	325.08	0.78992	0.44302	0.63894	-5.9518	6156
ATM	-0.43376	0.43376	2.8279	-0.78987	0.44304	0.63894	-5.9518	472
POLE4	2.2591	2.2591	9.3292	0.78986	0.44305	0.63894	-5.9518	56655
POC1A	0.28441	0.28441	0.93029	0.78985	0.44305	0.63894	-5.9518	25886
CENPJ	0.1386	0.1386	0.84518	0.78964	0.44317	0.63905	-5.952	55835
USP35	0.2114	0.2114	1.2881	0.78942	0.4433	0.63918	-5.9521	57558
NCK1	1.0386	1.0386	4.2101	0.78925	0.44339	0.63927	-5.9523	4690
DHX33	-0.26955	0.26955	2.2558	-0.78904	0.44351	0.63933	-5.9524	56919
LNPEP	-0.76516	0.76516	9.3277	-0.78894	0.44357	0.63933	-5.9525	4012
RAPGEF3	-0.36129	0.36129	1.6164	-0.78893	0.44357	0.63933	-5.9525	10411
SPATA24	0.084455	0.084455	0.41723	0.78887	0.44361	0.63933	-5.9526	202051
ARHGAP28	0.35092	0.35092	0.95588	0.78883	0.44363	0.63933	-5.9526	79822
FAM131C	0.11847	0.11847	0.3852	0.78865	0.44373	0.63938	-5.9527	348487

DTX3L	-1.8222	1.8222	5.5145	-0.78864	0.44374	0.63938	-5.9527	151636
HEY1	0.2314	0.2314	0.97874	0.78834	0.44391	0.63957	-5.953	23462
PRSS12	-0.27147	0.27147	2.2639	-0.78822	0.44397	0.63961	-5.9531	8492
HNRNPC	5.2406	5.2406	31.568	0.7879	0.44416	0.63982	-5.9533	3183
SSB	1.4297	1.4297	7.2184	0.78776	0.44424	0.63984	-5.9534	6741
HINFP	-0.20615	0.20615	2.0727	-0.78774	0.44425	0.63984	-5.9535	25988
GSPT2	-0.15706	0.15706	0.74436	-0.78762	0.44431	0.63988	-5.9535	23708
EHBP1L1	3.493	3.493	14.082	0.78752	0.44437	0.63991	-5.9536	254102
TMEM88	-0.15196	0.15196	0.78823	-0.78729	0.4445	0.64004	-5.9538	92162
SRSF1	1.9321	1.9321	14.73	0.78715	0.44458	0.64006	-5.9539	6426
NP1PB2	-0.05438	0.054376	0.081634	-0.78709	0.44461	0.64006	-5.954	729978
KLHDC10	0.38095	0.38095	4.3702	0.78707	0.44463	0.64006	-5.954	23008
PFKL	-3.1746	3.1746	19.186	-0.78692	0.44471	0.64012	-5.9541	5211
COPG2	-0.6484	0.6484	3.7406	-0.78686	0.44475	0.64012	-5.9541	26958
TRIM61	-0.0773	0.077296	0.36667	-0.78679	0.44478	0.64012	-5.9542	391712
PLPBP	-0.52107	0.52107	2.8234	-0.78671	0.44483	0.64014	-5.9543	11212
METTL22	-0.23486	0.23486	2.7034	-0.78606	0.4452	0.64061	-5.9548	79091
CORO1B	2.494	2.494	14.338	0.78591	0.44528	0.64061	-5.9549	57175
ICOSLG	-0.29749	0.29749	1.3574	-0.78587	0.4453	0.64061	-5.9549	23308
ZNF83	-0.63191	0.63191	3.052	-0.78586	0.44531	0.64061	-5.9549	55769
ZFR	0.833	0.833	7.1458	0.78564	0.44544	0.64074	-5.9551	51663
AP2M1	7.5237	7.5237	40.291	0.78542	0.44556	0.64086	-5.9553	1173
LOC100499489	-0.12744	0.12744	0.41502	-0.78524	0.44566	0.64095	-5.9554	1E+08
TGFBR2	-3.9824	3.9824	18.597	-0.78472	0.44596	0.64125	-5.9558	7048
C8orf33	-0.77388	0.77388	5.6296	-0.78468	0.44598	0.64125	-5.9558	65265
ZBED5	-0.51901	0.51901	4.1884	-0.78467	0.44599	0.64125	-5.9558	58486

MIR34AHG	-0.19939	0.19939	0.87264	-0.78448	0.44609	0.64135	-5.956	1.07E+08
EPS15L1	0.61378	0.61378	5.2874	0.78438	0.44615	0.64138	-5.9561	58513
INTS11	-0.94763	0.94763	8.546	-0.78405	0.44634	0.64155	-5.9563	54973
KIAA0319	-0.06886	0.068858	0.17028	-0.78401	0.44636	0.64155	-5.9563	9856
FBXW4P1	-0.17888	0.17888	0.89002	-0.78397	0.44638	0.64155	-5.9564	26226
NIPAL1	0.97248	0.97248	5.3025	0.78334	0.44674	0.64201	-5.9569	152519
RPS25	68.556	68.556	338.51	0.78327	0.44678	0.64201	-5.9569	6230
TAF5L	0.24675	0.24675	1.8516	0.78301	0.44693	0.64217	-5.9571	27097
APC	0.36684	0.36684	3.5032	0.78294	0.44697	0.64217	-5.9572	324
SNORA119	-0.09023	0.09023	0.11737	-0.78278	0.44706	0.64225	-5.9573	1.1E+08
NRGN	0.70862	0.70862	2.0483	0.78239	0.44728	0.64246	-5.9576	4900
ZSWIM8	-1.5256	1.5256	11.394	-0.78239	0.44728	0.64246	-5.9576	23053
THUMPD1	-0.43337	0.43337	3.9416	-0.78187	0.44758	0.6428	-5.958	55623
NAA10	2.3271	2.3271	12.216	0.78184	0.44759	0.6428	-5.958	8260
SAMD9L	-0.35703	0.35703	1.239	-0.78158	0.44774	0.64295	-5.9582	219285
LPIN2	0.51852	0.51852	2.7701	0.7813	0.4479	0.64307	-5.9584	9663
PPP2R5A	0.80994	0.80994	8.0577	0.78129	0.4479	0.64307	-5.9585	5525
MORC2-AS1	-0.06329	0.06329	0.15992	-0.78122	0.44795	0.64307	-5.9585	150291
LTB4R2	-6.4008	6.4008	30.298	-0.78116	0.44798	0.64307	-5.9586	56413
LOC100130987	-0.30837	0.30837	1.2375	-0.78092	0.44812	0.64319	-5.9587	1E+08
SMTNL2	-0.23306	0.23306	0.27509	-0.78077	0.4482	0.64319	-5.9589	342527
SIL1	-0.83371	0.83371	5.6435	-0.78072	0.44823	0.64319	-5.9589	64374
RIOK1	0.62281	0.62281	3.933	0.78071	0.44823	0.64319	-5.9589	83732
DLG3-AS1	-0.06627	0.066267	0.15273	-0.78063	0.44828	0.64319	-5.959	1.01E+08
MON1B	-0.85323	0.85323	5.5081	-0.78062	0.44829	0.64319	-5.959	22879
SHANK2-AS1	0.075758	0.075758	0.21142	0.78038	0.44842	0.64329	-5.9592	1.01E+08

SNORA115	-0.06928	0.069275	0.10449	-0.78036	0.44843	0.64329	-5.9592	1.1E+08
DEK	1.9427	1.9427	11.074	0.77995	0.44867	0.64358	-5.9595	7913
GABBR1	-0.11487	0.11487	0.41678	-0.77981	0.44875	0.64364	-5.9596	2550
MANSC1	1.2715	1.2715	5.0815	0.77968	0.44882	0.64369	-5.9597	54682
CCDC71L	0.55706	0.55706	1.7329	0.77956	0.44889	0.64373	-5.9598	168455
ST6GALNAC4	0.64932	0.64932	2.849	0.77881	0.44932	0.64427	-5.9604	27090
TXNDC12	0.80034	0.80034	3.7608	0.77876	0.44935	0.64427	-5.9604	51060
PLA2G12A	0.32293	0.32293	3.076	0.77847	0.44951	0.64446	-5.9606	81579
INTS6L	-0.18383	0.18383	1.7669	-0.77818	0.44968	0.64463	-5.9609	203522
MRPL57	0.71999	0.71999	3.8044	0.77808	0.44973	0.64466	-5.9609	78988
PTOV1	1.5561	1.5561	11.772	0.77789	0.44984	0.64471	-5.9611	53635
DOCK3	-0.14044	0.14044	0.57734	-0.77789	0.44984	0.64471	-5.9611	1795
LAIR2	-0.66125	0.66125	0.51446	-0.77778	0.44991	0.64475	-5.9612	3904
RMND1	-0.28436	0.28436	1.9204	-0.77769	0.44996	0.64477	-5.9612	55005
CREB1	0.28457	0.28457	2.6942	0.77756	0.45003	0.64481	-5.9613	1385
MPHOSPH9	0.19169	0.19169	1.1589	0.77743	0.4501	0.64487	-5.9614	10198
POLG2	-0.23207	0.23207	1.5559	-0.77729	0.45019	0.64493	-5.9615	11232
LGALS2	-0.32379	0.32379	1.6059	-0.77722	0.45022	0.64493	-5.9616	3957
AKT3	0.75795	0.75795	3.1901	0.77713	0.45027	0.64495	-5.9617	10000
BTK	-0.12816	0.12816	0.74576	-0.77687	0.45042	0.64511	-5.9619	695
ABCB7	-0.21418	0.21418	1.9434	-0.77666	0.45055	0.64523	-5.962	22
CPLANE1	-0.31564	0.31564	2.2703	-0.77653	0.45062	0.64527	-5.9621	65250
CD180	0.086927	0.086927	0.22955	0.77625	0.45078	0.6454	-5.9623	4064
ZNF112	-0.11145	0.11145	0.69057	-0.77617	0.45082	0.6454	-5.9624	7771
CFAP36	0.61594	0.61594	3.9692	0.77614	0.45084	0.6454	-5.9624	112942
LPAR1	1.1829	1.1829	4.4552	0.77611	0.45086	0.6454	-5.9624	1902

SLC7A5	9.9893	9.9893	29.634	0.77597	0.45094	0.64546	-5.9626	8140
TXLNA	-1.5438	1.5438	12.441	-0.77585	0.45101	0.6455	-5.9626	200081
SRSF2	3.0028	3.0028	26.34	0.77556	0.45117	0.64569	-5.9629	6427
LTBR	4.0549	4.0549	19.738	0.77543	0.45125	0.64574	-5.963	4055
ADAM11	-0.07096	0.070957	0.23276	-0.77531	0.45132	0.64575	-5.9631	4185
TPSAB1	-4.5213	4.5213	19.587	-0.77522	0.45137	0.64575	-5.9631	7177
GSTK1	-3.9529	3.9529	24.609	-0.77521	0.45137	0.64575	-5.9631	373156
MBNL1	1.7469	1.7469	15.8	0.77504	0.45147	0.64578	-5.9633	4154
TMEM88B	-0.18155	0.18155	0.38765	-0.775	0.45149	0.64578	-5.9633	643965
LINC00933	-0.08705	0.087051	0.28621	-0.77496	0.45151	0.64578	-5.9633	1.01E+08
IFITM3	-137.46	137.46	265.16	-0.77491	0.45155	0.64578	-5.9634	10410
NDUFA11	1.3097	1.3097	7.3431	0.77477	0.45162	0.64584	-5.9635	126328
VTCN1	-0.13579	0.13579	0.48212	-0.77465	0.45169	0.64587	-5.9636	79679
SMARCC1	-1.1406	1.1406	11.574	-0.7746	0.45172	0.64587	-5.9636	6599
CUL5	0.32558	0.32558	3.7724	0.77443	0.45182	0.64595	-5.9637	8065
DDHD2	-0.44285	0.44285	3.3785	-0.77433	0.45188	0.64598	-5.9638	23259
KNTC1	-0.23895	0.23895	1.7707	-0.77389	0.45213	0.64629	-5.9642	9735
DALRD3	-0.59286	0.59286	3.9168	-0.77344	0.45238	0.6466	-5.9645	55152
KRT78	9.9917	9.9917	19.501	0.77297	0.45265	0.64692	-5.9649	196374
ZFP91	0.85141	0.85141	9.946	0.77281	0.45275	0.64701	-5.965	80829
LMO4	0.90548	0.90548	5.631	0.77266	0.45283	0.64707	-5.9651	8543
PCOLCE	13.451	13.451	34.216	0.77255	0.45289	0.6471	-5.9652	5118
ZDHHC9	-0.83516	0.83516	5.9538	-0.77231	0.45303	0.64724	-5.9654	51114
TMLHE	-0.21062	0.21062	1.7119	-0.77223	0.45308	0.64726	-5.9654	55217
LILRA5	0.54088	0.54088	1.1	0.77216	0.45312	0.64726	-5.9655	353514
RPS19BP1	2.8118	2.8118	11.962	0.77182	0.45331	0.64749	-5.9657	91582

TLN1	-4.4886	4.4886	22.839	-0.77164	0.45341	0.64756	-5.9659	7094
SNORA74D	0.10937	0.10937	0.28441	0.7716	0.45344	0.64756	-5.9659	1.1E+08
STYK1	0.13785	0.13785	0.55369	0.7714	0.45355	0.64761	-5.9661	55359
PARPBP	0.089693	0.089693	0.34078	0.77137	0.45357	0.64761	-5.9661	55010
DOLK	0.4697	0.4697	2.9817	0.77134	0.45359	0.64761	-5.9661	22845
ATG101	1.5269	1.5269	8.3044	0.77122	0.45366	0.64763	-5.9662	60673
DBF4B	-0.08978	0.089782	0.42361	-0.77116	0.45369	0.64763	-5.9662	80174
RPS4Y1	10.638	10.638	57.58	0.77109	0.45373	0.64763	-5.9663	6192
ZNF449	0.15107	0.15107	0.77081	0.77097	0.4538	0.64763	-5.9664	203523
GLIS1	0.28633	0.28633	0.92456	0.77095	0.45381	0.64763	-5.9664	148979
SLC19A3	0.20666	0.20666	0.52141	0.77091	0.45384	0.64763	-5.9664	80704
DLX6-AS1	-0.09523	0.095229	0.36406	-0.77079	0.4539	0.64767	-5.9665	285987
WDR78	-0.07413	0.074131	0.30655	-0.77072	0.45394	0.64767	-5.9666	79819
EIF2A	0.95543	0.95543	7.7034	0.77057	0.45403	0.64774	-5.9667	83939
CILP2	0.73387	0.73387	0.68387	0.77014	0.45427	0.64804	-5.967	148113
MED1	-0.41947	0.41947	4.425	-0.77007	0.45431	0.64804	-5.9671	5469
IL36A	-3.0656	3.0656	2.6418	-0.7696	0.45459	0.64837	-5.9674	27179
RPL29	84.138	84.138	387.54	0.76932	0.45475	0.64855	-5.9676	6159
HSD17B4	-1.2615	1.2615	12.328	-0.76923	0.4548	0.64856	-5.9677	3295
DPP8	-0.39725	0.39725	3.5525	-0.76906	0.4549	0.6486	-5.9678	54878
METTL2A	0.26042	0.26042	2.6629	0.76905	0.4549	0.6486	-5.9679	339175
SERINC5	1.1152	1.1152	12.408	0.76882	0.45503	0.64866	-5.968	256987
PRRC2A	-0.49565	0.49565	3.0785	-0.76878	0.45505	0.64866	-5.9681	7916
EXOSC10	-0.99026	0.99026	9.3792	-0.76873	0.45508	0.64866	-5.9681	5394
MYC	2.5679	2.5679	14.63	0.76871	0.4551	0.64866	-5.9681	4609
DNAJB12	-0.46019	0.46019	5.6925	-0.76864	0.45513	0.64866	-5.9682	54788

NNT	-0.57088	0.57088	4.1365	-0.76856	0.45518	0.64867	-5.9682	23530
CD200R1	-0.08185	0.081854	0.34661	-0.76843	0.45525	0.6487	-5.9683	131450
ACBD5	0.2087	0.2087	2.4549	0.76839	0.45528	0.6487	-5.9684	91452
IMPA2	7.822	7.822	51.636	0.7682	0.45539	0.6488	-5.9685	3613
LINC01578	-0.85459	0.85459	6.8297	-0.76808	0.45546	0.64883	-5.9686	1.01E+08
RNF19A	0.94129	0.94129	6.9864	0.76803	0.45548	0.64883	-5.9686	25897
EXTL3	1.0432	1.0432	7.1792	0.76787	0.45558	0.64887	-5.9688	2137
GYPE	-0.07443	0.074432	0.18171	-0.76786	0.45559	0.64887	-5.9688	2996
RIDA	0.55175	0.55175	1.9601	0.76777	0.45563	0.64888	-5.9688	10247
PTPRJ	-0.36499	0.36499	1.8673	-0.76764	0.45571	0.64894	-5.9689	5795
INKA1	-1.0347	1.0347	5.9342	-0.76721	0.45596	0.64923	-5.9693	389119
LOC101927751	0.11509	0.11509	0.57036	0.76707	0.45604	0.64927	-5.9694	1.02E+08
C11orf80	-0.55873	0.55873	4.3992	-0.76703	0.45606	0.64927	-5.9694	79703
MARS2	-0.18596	0.18596	1.4605	-0.76694	0.45611	0.64929	-5.9695	92935
PSEN1	0.6014	0.6014	6.1952	0.76687	0.45616	0.64929	-5.9695	5663
HSPA1A	-2.1091	2.1091	10.215	-0.7667	0.45625	0.64938	-5.9696	3303
NFATC2IP	-0.41555	0.41555	4.7702	-0.76644	0.4564	0.64948	-5.9698	84901
HLA-DRB6	0.1976	0.1976	0.58097	0.76641	0.45642	0.64948	-5.9699	3128
GGA1	1.0397	1.0397	7.0316	0.76623	0.45652	0.64948	-5.97	26088
CSTF1	0.40765	0.40765	3.5077	0.7662	0.45654	0.64948	-5.97	1477
RABEP2	-1.3802	1.3802	4.9073	-0.76618	0.45655	0.64948	-5.97	79874
LOC101928389	-0.08504	0.085038	0.25579	-0.76617	0.45656	0.64948	-5.97	1.02E+08
ZZZ3	-0.3854	0.3854	3.6732	-0.76597	0.45667	0.64959	-5.9702	26009
C21orf91-OT1	-0.07101	0.071007	0.12689	-0.76551	0.45694	0.6499	-5.9705	246312
BACH1-IT3	-0.09484	0.094836	0.37134	-0.76546	0.45697	0.6499	-5.9706	54147
DDI1	-0.08267	0.082666	0.16031	-0.76509	0.45718	0.65015	-5.9709	414301

DDI2	-0.64744	0.64744	6.4098	-0.76494	0.45727	0.6502	-5.971	84301
KLHL25	-0.45793	0.45793	2.2866	-0.76485	0.45732	0.6502	-5.971	64410
CEACAM4	0.12007	0.12007	0.23083	0.76478	0.45736	0.6502	-5.9711	1089
CCDC136	-0.07255	0.072552	0.19987	-0.76475	0.45737	0.6502	-5.9711	64753
GYG1	1.2739	1.2739	5.7536	0.76445	0.45755	0.65038	-5.9713	2992
ARNTL2-AS1	0.11722	0.11722	0.25037	0.7644	0.45758	0.65038	-5.9714	1.02E+08
NAGLU	-0.58884	0.58884	3.587	-0.76424	0.45767	0.65046	-5.9715	4669
CSTF3	-0.3817	0.3817	2.699	-0.76405	0.45778	0.65056	-5.9717	1479
LZTS3	-0.17198	0.17198	0.91136	-0.76398	0.45782	0.65057	-5.9717	9762
GUCY2C	-0.11079	0.11079	0.45941	-0.76388	0.45788	0.65059	-5.9718	2984
ARHGAP19-SLIT1	-0.08296	0.08296	0.16503	-0.76381	0.45792	0.65059	-5.9718	1.01E+08
DYNC2LI1	0.18789	0.18789	1.3109	0.76373	0.45796	0.6506	-5.9719	51626
SNURF	-0.45767	0.45767	2.5043	-0.76365	0.45801	0.65062	-5.972	8926
NES	-0.83305	0.83305	3.3914	-0.76356	0.45806	0.65063	-5.972	10763
IFNGR1	3.8218	3.8218	17.82	0.76338	0.45816	0.65072	-5.9722	3459
NONO	-3.1359	3.1359	26.677	-0.76301	0.45838	0.65098	-5.9724	4841
BAMBI	0.27884	0.27884	1.2679	0.76277	0.45851	0.65111	-5.9726	25805
CLEC4D	0.089009	0.089009	0.15312	0.76255	0.45864	0.65124	-5.9728	338339
TM6SF1	0.1846	0.1846	0.79571	0.76209	0.45891	0.65156	-5.9731	53346
ANP32A	-1.277	1.277	8.1392	-0.76198	0.45897	0.6516	-5.9732	8125
TMA16	-0.35095	0.35095	2.7943	-0.76186	0.45904	0.65164	-5.9733	55319
RPS21	58.098	58.098	261.01	0.76179	0.45908	0.65165	-5.9734	6227
LHX2	0.095166	0.095166	0.24131	0.76154	0.45923	0.6518	-5.9735	9355
AP1M1	1.3285	1.3285	7.7919	0.7611	0.45948	0.6521	-5.9739	8907
ANAPC10	0.27393	0.27393	1.2835	0.76075	0.45968	0.65233	-5.9741	10393
NDUFS2	-1.834	1.834	12.876	-0.76043	0.45987	0.65255	-5.9744	4720

ZNF487	-0.09281	0.092807	0.48835	-0.76025	0.45997	0.65264	-5.9745	642819
LOC100128108	-0.10443	0.10443	0.313	-0.7598	0.46023	0.65295	-5.9749	1E+08
BET1L	-1.1813	1.1813	8.6345	-0.75961	0.46034	0.653	-5.975	51272
EPS15	-0.84752	0.84752	8.7967	-0.7595	0.4604	0.653	-5.9751	2060
UBFD1	-0.46076	0.46076	3.5899	-0.7595	0.46041	0.653	-5.9751	56061
ANKRD27	0.44139	0.44139	4.1061	0.75947	0.46042	0.653	-5.9751	84079
GGCT	4.0651	4.0651	13.636	0.7593	0.46052	0.65305	-5.9752	79017
USP14	0.68235	0.68235	6.2108	0.75928	0.46053	0.65305	-5.9753	9097
ANKRD19P	-0.07258	0.072575	0.30437	-0.75902	0.46069	0.65321	-5.9755	138649
GK5	-0.27421	0.27421	2.5498	-0.75893	0.46074	0.65323	-5.9755	256356
SGTA	1.5962	1.5962	9.1655	0.75866	0.46089	0.65331	-5.9757	6449
FADS2	1.3352	1.3352	3.8071	0.75864	0.4609	0.65331	-5.9757	9415
MTMR9LP	-0.44855	0.44855	1.2949	-0.7586	0.46092	0.65331	-5.9758	339483
VPS33B	-0.242	0.242	2.5836	-0.75856	0.46095	0.65331	-5.9758	26276
C1GALT1C1L	-0.05818	0.058175	0.15065	-0.7583	0.4611	0.65338	-5.976	728819
MEGF9	1.5161	1.5161	7.8329	0.7582	0.46116	0.65338	-5.9761	1955
TSTA3	3.3882	3.3882	23.486	0.75819	0.46117	0.65338	-5.9761	7264
GNGT2	-0.07385	0.073849	0.22042	-0.75816	0.46118	0.65338	-5.9761	2793
TIPIN	0.25439	0.25439	1.1308	0.75813	0.4612	0.65338	-5.9761	54962
CPSF3	0.56096	0.56096	3.8367	0.75786	0.46135	0.65355	-5.9763	51692
FOXM1	0.66362	0.66362	2.6006	0.75754	0.46154	0.65366	-5.9766	2305
CORT	-0.05227	0.052267	0.13255	-0.75754	0.46154	0.65366	-5.9766	1325
ZHX3	-0.57248	0.57248	4.8389	-0.75753	0.46155	0.65366	-5.9766	23051
CYP39A1	-0.24995	0.24995	1.3857	-0.75737	0.46164	0.65374	-5.9767	51302
FRG1	1.2768	1.2768	8.2236	0.75724	0.46172	0.65375	-5.9768	2483
PIGK	0.34198	0.34198	1.7847	0.75722	0.46173	0.65375	-5.9768	10026

TCTA	-0.43713	0.43713	4.1291	-0.75712	0.46179	0.65375	-5.9769	6988
SAT1	22.887	22.887	73.933	0.75706	0.46182	0.65375	-5.9769	6303
DNAJC3-DT	-0.06901	0.069005	0.29426	-0.75702	0.46184	0.65375	-5.977	1E+08
C6orf226	-0.63089	0.63089	3.3553	-0.75694	0.46189	0.65376	-5.977	441150
CRBN	-0.60819	0.60819	4.5162	-0.75662	0.46208	0.65397	-5.9773	51185
GLMN	0.16583	0.16583	1.3443	0.75645	0.46217	0.65405	-5.9774	11146
CENPH	-0.44018	0.44018	1.7618	-0.75634	0.46224	0.65406	-5.9775	64946
TMEM161A	-0.60669	0.60669	3.2802	-0.7563	0.46226	0.65406	-5.9775	54929
CYB5B	0.85633	0.85633	5.246	0.75619	0.46232	0.6541	-5.9776	80777
DSC3	17.308	17.308	112.94	0.75582	0.46254	0.65429	-5.9779	1825
GTF2IRD1	0.82273	0.82273	6.1599	0.75578	0.46256	0.65429	-5.9779	9569
IL27RA	-0.2001	0.2001	0.96356	-0.75572	0.46259	0.65429	-5.9779	9466
MRPL55	0.93986	0.93986	5.4241	0.75567	0.46263	0.65429	-5.978	128308
RSBN1L	-0.2083	0.2083	2.6862	-0.75563	0.46265	0.65429	-5.978	222194
LUC7L	-0.43404	0.43404	4.2314	-0.75529	0.46285	0.65451	-5.9782	55692
NEDD9	-0.57337	0.57337	2.5274	-0.75484	0.46311	0.65483	-5.9786	4739
DOK3	0.32643	0.32643	1.284	0.7546	0.46325	0.65497	-5.9788	79930
BCAR1	1.0477	1.0477	5.2142	0.75421	0.46348	0.6552	-5.9791	9564
PDSS1	0.23658	0.23658	1.098	0.75418	0.46349	0.6552	-5.9791	23590
LOC728095	-0.14865	0.14865	0.32038	-0.75412	0.46353	0.6552	-5.9791	728095
HECTD3	-0.84377	0.84377	6.8553	-0.75382	0.4637	0.65537	-5.9794	79654
ZKSCAN2	-0.08681	0.086808	0.58323	-0.75372	0.46376	0.65537	-5.9794	342357
MON1A	0.36327	0.36327	2.0874	0.75366	0.46379	0.65537	-5.9795	84315
OMD	-0.29283	0.29283	0.98716	-0.75365	0.4638	0.65537	-5.9795	4958
HIP1R	2.3076	2.3076	10.549	0.75337	0.46396	0.65554	-5.9797	9026
MASTL	-0.20355	0.20355	1.7277	-0.7532	0.46406	0.65562	-5.9798	84930

POMK	-0.54973	0.54973	4.369	-0.75306	0.46414	0.65569	-5.9799	84197
FAM86DP	-0.13925	0.13925	1.2421	-0.75292	0.46422	0.65575	-5.98	692099
PCNP	0.96626	0.96626	7.8504	0.75263	0.46439	0.65593	-5.9802	57092
FAM86C1	0.25568	0.25568	1.5347	0.75242	0.46451	0.65604	-5.9804	55199
SPAG7	2.035	2.035	10.735	0.75236	0.46455	0.65604	-5.9804	9552
RNF181	3.4864	3.4864	15.648	0.75218	0.46465	0.65613	-5.9806	51255
FAT3	-0.05612	0.056117	0.11482	-0.75211	0.4647	0.65614	-5.9806	120114
ACADS	-0.50433	0.50433	2.4155	-0.75197	0.46477	0.6562	-5.9807	35
TUBGCP5	-0.27044	0.27044	2.3491	-0.75125	0.46519	0.65666	-5.9813	114791
ANK3	0.48026	0.48026	3.5829	0.75115	0.46525	0.65666	-5.9813	288
NT5E	1.1929	1.1929	3.7076	0.75111	0.46527	0.65666	-5.9814	4907
UC.134	-0.05935	0.05935	0.15862	-0.75111	0.46528	0.65666	-5.9814	1.11E+08
GCSAML	-0.06688	0.066875	0.16302	-0.75108	0.4653	0.65666	-5.9814	148823
MGAT4A	-0.22794	0.22794	1.284	-0.75092	0.46539	0.65673	-5.9815	11320
VAV1	-0.2628	0.2628	1.0253	-0.7508	0.46546	0.65678	-5.9816	7409
GDAP2	-0.20141	0.20141	2.0203	-0.7505	0.46563	0.65697	-5.9818	54834
CD4	-1.2561	1.2561	4.9568	-0.75034	0.46573	0.65701	-5.9819	920
HAP1	0.10721	0.10721	0.23602	0.75031	0.46574	0.65701	-5.982	9001
SNIP1	0.186	0.186	1.9829	0.74992	0.46597	0.65728	-5.9823	79753
RPS19	-44.815	44.815	246.51	-0.74981	0.46604	0.65732	-5.9823	6223
POLR2I	1.5592	1.5592	8.7747	0.74943	0.46626	0.65758	-5.9826	5438
AKAP11	0.43646	0.43646	4.8519	0.7493	0.46633	0.65762	-5.9827	11215
ADO	0.36164	0.36164	2.9041	0.74923	0.46637	0.65762	-5.9828	84890
BTBD11	1.0066	1.0066	4.7853	0.74899	0.46652	0.65773	-5.983	121551
FBXL18	-0.27381	0.27381	2.077	-0.74896	0.46653	0.65773	-5.983	80028
L1CAM	0.3056	0.3056	1.459	0.74889	0.46657	0.65773	-5.983	3897

GNL3L	-0.39178	0.39178	4.4008	-0.74884	0.4666	0.65773	-5.9831	54552
MAPK8	0.25375	0.25375	2.249	0.74863	0.46672	0.65785	-5.9832	5599
LINC01291	0.055436	0.055436	0.099463	0.74838	0.46687	0.65799	-5.9834	1.03E+08
MICALL1	5.6586	5.6586	25.419	0.74829	0.46692	0.65802	-5.9835	85377
MYBL1	0.061218	0.061218	0.21287	0.74821	0.46697	0.65802	-5.9835	4603
ZNF189	-0.29157	0.29157	2.0362	-0.74798	0.4671	0.65812	-5.9837	7743
URM1	-0.62398	0.62398	3.7439	-0.74796	0.46711	0.65812	-5.9837	81605
SMIM11B	0.22237	0.22237	1.4515	0.7477	0.46726	0.65828	-5.9839	1.03E+08
SNORA91	0.093563	0.093563	0.229	0.74755	0.46735	0.65835	-5.984	1.07E+08
LOC101928429	-0.19038	0.19038	0.93986	-0.74749	0.46739	0.65835	-5.9841	1.02E+08
RRN3P2	-0.18717	0.18717	0.68261	-0.7473	0.4675	0.65838	-5.9842	653390
WDR75	0.7165	0.7165	5.2298	0.74728	0.46751	0.65838	-5.9842	84128
PRKDC	-1.8303	1.8303	14.028	-0.7472	0.46756	0.65838	-5.9843	5591
PPTC7	-0.59513	0.59513	4.1392	-0.74716	0.46758	0.65838	-5.9843	160760
COQ10A	-0.10442	0.10442	0.98089	-0.74707	0.46763	0.65838	-5.9844	93058
RNF111	0.21034	0.21034	3.1687	0.74695	0.4677	0.65838	-5.9845	54778
MROH6	0.65821	0.65821	3.2706	0.74692	0.46772	0.65838	-5.9845	642475
LRRC70	0.14273	0.14273	0.61803	0.74692	0.46772	0.65838	-5.9845	1E+08
SLU7	0.65849	0.65849	4.7547	0.74665	0.46788	0.65854	-5.9847	10569
RPL37	17.854	17.854	82.615	0.74652	0.46796	0.65859	-5.9848	6167
CTDSPL2	-0.46866	0.46866	3.0703	-0.74644	0.468	0.6586	-5.9848	51496
USP10	-0.82764	0.82764	7.5429	-0.74607	0.46822	0.65882	-5.9851	9100
DKC1	-0.77425	0.77425	4.8659	-0.74593	0.4683	0.65882	-5.9852	1736
ZNF845	0.15446	0.15446	1.1329	0.74593	0.4683	0.65882	-5.9852	91664
SMC6	0.36839	0.36839	2.7197	0.7459	0.46831	0.65882	-5.9852	79677
SPTLC3	2.0698	2.0698	5.8149	0.74531	0.46866	0.6592	-5.9857	55304

ABCB8	-0.29466	0.29466	2.6101	-0.74526	0.46869	0.6592	-5.9857	11194
PAWR	0.71978	0.71978	4.1228	0.74524	0.4687	0.6592	-5.9857	5074
EPB41	-0.65858	0.65858	5.1421	-0.7451	0.46878	0.65921	-5.9858	2035
UCHL1	0.8327	0.8327	1.616	0.7451	0.46878	0.65921	-5.9858	7345
GPR174	-0.06233	0.062333	0.14454	-0.74497	0.46886	0.65927	-5.9859	84636
BMS1P20	-0.16854	0.16854	2.5472	-0.74473	0.469	0.6594	-5.9861	96610
USP5	-1.5004	1.5004	13.37	-0.74463	0.46906	0.65942	-5.9862	8078
TMEM150A	-0.3693	0.3693	2.4342	-0.74458	0.46909	0.65942	-5.9862	129303
NGEF	-0.64765	0.64765	3.8046	-0.74451	0.46913	0.65942	-5.9863	25791
SLC41A1	0.42106	0.42106	3.3144	0.74426	0.46928	0.65958	-5.9865	254428
PKN1	-1.4002	1.4002	5.6744	-0.74415	0.46934	0.65961	-5.9865	5585
CPNE3	1.3604	1.3604	10.829	0.74404	0.46941	0.65964	-5.9866	8895
PINLYP	0.15718	0.15718	1.0053	0.74398	0.46944	0.65964	-5.9867	390940
ZCCHC14	-0.60008	0.60008	5.5299	-0.74383	0.46953	0.6597	-5.9868	23174
PAM	1.4809	1.4809	10.798	0.74359	0.46967	0.65985	-5.987	5066
FLCN	-0.52287	0.52287	3.5646	-0.74345	0.46975	0.65991	-5.9871	201163
GDAP1	0.15782	0.15782	0.99679	0.74323	0.46988	0.66004	-5.9872	54332
NT5C	1.3812	1.3812	7.2396	0.74296	0.47004	0.66021	-5.9874	30833
TRIM47	-1.8585	1.8585	9.7792	-0.74279	0.47014	0.66024	-5.9876	91107
CDT1	-0.53783	0.53783	1.9435	-0.74278	0.47014	0.66024	-5.9876	81620
ZNF527	-0.06974	0.069741	0.5	-0.74254	0.47028	0.66038	-5.9877	84503
AMN1	0.10228	0.10228	0.76925	0.74242	0.47036	0.66043	-5.9878	196394
UFL1	0.52567	0.52567	4.8263	0.74213	0.47052	0.66061	-5.988	23376
SNORA25	-0.3907	0.3907	0.68062	-0.74201	0.4706	0.66066	-5.9881	684959
SNX33	-1.0739	1.0739	9.9714	-0.74175	0.47075	0.66081	-5.9883	257364
EPPK1	17.008	17.008	53.964	0.74158	0.47085	0.66086	-5.9884	83481

SMIM20	0.81084	0.81084	3.3073	0.74156	0.47086	0.66086	-5.9885	389203
PCBD1	-0.77401	0.77401	3.7561	-0.7415	0.4709	0.66086	-5.9885	5092
GTF3C5	-0.77496	0.77496	6.9632	-0.74108	0.47114	0.66111	-5.9888	9328
MOB1B	-0.24465	0.24465	1.9961	-0.74105	0.47116	0.66111	-5.9888	92597
SDHA	-1.3693	1.3693	8.7224	-0.74099	0.47119	0.66111	-5.9889	6389
ZNF233	-0.05822	0.058223	0.26848	-0.7407	0.47137	0.66125	-5.9891	353355
ITK	-0.12734	0.12734	0.44024	-0.74064	0.4714	0.66125	-5.9891	3702
BACH2	-0.14179	0.14179	0.73184	-0.74062	0.47141	0.66125	-5.9891	60468
FAM110A	-2.7408	2.7408	10.107	-0.74047	0.4715	0.66128	-5.9893	83541
SH3PXD2A	3.5626	3.5626	22.759	0.74045	0.47151	0.66128	-5.9893	9644
TIE1	1.2058	1.2058	4.5534	0.74004	0.47175	0.66156	-5.9896	7075
FZD3	-0.07071	0.070705	0.44083	-0.73997	0.4718	0.66157	-5.9896	7976
DNM3OS	0.34766	0.34766	1.0625	0.73981	0.47189	0.66164	-5.9897	1.01E+08
SNORA90	0.060648	0.060648	0.07656	0.73951	0.47206	0.66183	-5.99	1.07E+08
IQCK	-0.17892	0.17892	1.2993	-0.73937	0.47215	0.6619	-5.9901	124152
GAS7	-1.5939	1.5939	9.5603	-0.73861	0.47259	0.66244	-5.9906	8522
EHBP1	-0.6089	0.6089	4.2763	-0.73858	0.47261	0.66244	-5.9906	23301
SMC3	0.92993	0.92993	5.5819	0.73831	0.47277	0.6626	-5.9908	9126
TNNI2	-0.79557	0.79557	1.6216	-0.73788	0.47302	0.66291	-5.9912	7136
CITED4	6.9009	6.9009	30.347	0.73754	0.47322	0.66313	-5.9914	163732
RILPL2	-0.43542	0.43542	2.1589	-0.73707	0.4735	0.66345	-5.9918	196383
EFNA1	-1.5683	1.5683	12.642	-0.737	0.47354	0.66345	-5.9918	1942
APH1B	-0.19699	0.19699	1.2438	-0.73696	0.47356	0.66345	-5.9918	83464
CD74	-36.528	36.528	159.88	-0.73657	0.47379	0.66371	-5.9921	972
LAMP3	-0.52063	0.52063	1.4625	-0.73643	0.47387	0.66375	-5.9922	27074
ST3GAL4	-0.4886	0.4886	2.2446	-0.73639	0.4739	0.66375	-5.9922	6484

ZNF688	-0.5631	0.5631	2.4528	-0.73623	0.47399	0.66379	-5.9924	146542
ZNF124	-0.16174	0.16174	1.2471	-0.7362	0.47401	0.66379	-5.9924	7678
TACC3	0.71165	0.71165	2.7946	0.73612	0.47406	0.66381	-5.9925	10460
RPS15AP10	-0.25322	0.25322	1.1966	-0.73591	0.47418	0.66393	-5.9926	728963
PKMYT1	0.46587	0.46587	1.5377	0.73577	0.47426	0.66399	-5.9927	9088
LOC101929162	-0.09682	0.096824	0.49917	-0.7354	0.47448	0.66423	-5.993	1.02E+08
NME3	-1.3363	1.3363	6.8309	-0.73513	0.47464	0.66441	-5.9932	4832
SMAP2	2.109	2.109	10.327	0.73485	0.47481	0.66458	-5.9934	64744
PDCD11	-0.7615	0.7615	6.3542	-0.7347	0.47489	0.66465	-5.9935	22984
GOPC	0.36469	0.36469	3.8946	0.73373	0.47547	0.66539	-5.9942	57120
SNN	1.4124	1.4124	7.6327	0.73327	0.47574	0.66563	-5.9945	8303
AP3M1	0.429	0.429	3.7132	0.7332	0.47578	0.66563	-5.9946	26985
ELP6	0.55128	0.55128	2.8975	0.7332	0.47578	0.66563	-5.9946	54859
DFFA	0.43031	0.43031	3.6372	0.73317	0.4758	0.66563	-5.9946	1676
CENPM	0.32639	0.32639	1.0104	0.73293	0.47594	0.66576	-5.9948	79019
CCDC28A	-0.40987	0.40987	2.0415	-0.73288	0.47597	0.66576	-5.9948	25901
CEP170B	-2.4904	2.4904	15.904	-0.73264	0.47611	0.66591	-5.995	283638
BCRP2	-0.06796	0.067961	0.37236	-0.73237	0.47627	0.66607	-5.9952	400892
IGFL3	2.2228	2.2228	4.1344	0.73222	0.47636	0.66615	-5.9953	388555
PRAG1	1.1376	1.1376	5.4906	0.732	0.47649	0.66627	-5.9955	157285
TTC17	-0.44208	0.44208	6.4074	-0.73167	0.47668	0.66649	-5.9957	55761
DFFB	-0.07328	0.073284	0.4228	-0.73123	0.47694	0.6668	-5.996	1677
ZGPAT	-0.86649	0.86649	4.5881	-0.73114	0.477	0.66682	-5.9961	84619
GBGT1	0.24856	0.24856	1.2301	0.73083	0.47718	0.66702	-5.9963	26301
LRRC32	-2.4657	2.4657	6.9747	-0.73053	0.47736	0.66721	-5.9965	2615
ALOX15P1	-0.06761	0.067612	0.15395	-0.73036	0.47746	0.66729	-5.9966	1.01E+08

PACS1	-2.1643	2.1643	12.585	-0.7303	0.47749	0.66729	-5.9967	55690
DNM1	-0.98159	0.98159	3.3776	-0.72984	0.47776	0.66759	-5.997	1759
PAK2	1.4657	1.4657	8.8635	0.72971	0.47784	0.66759	-5.9971	5062
TSPAN10	0.23872	0.23872	0.71966	0.72969	0.47785	0.66759	-5.9971	83882
C6orf89	-0.67801	0.67801	6.9942	-0.72966	0.47787	0.66759	-5.9972	221477
GAA	-1.2851	1.2851	6.7107	-0.72947	0.47799	0.6677	-5.9973	2548
NGLY1	0.3621	0.3621	3.1106	0.72937	0.47804	0.66773	-5.9974	55768
TMX4	-0.61621	0.61621	4.1108	-0.72918	0.47816	0.66783	-5.9975	56255
PITPNA	2.0358	2.0358	20.36	0.729	0.47826	0.66792	-5.9976	5306
CLYBL-AS2	-0.05846	0.05846	0.10596	-0.72871	0.47844	0.66811	-5.9978	1.01E+08
ADD1	-1.9241	1.9241	18.064	-0.72837	0.47863	0.66833	-5.9981	118
AMOTL2	1.034	1.034	8.2159	0.72829	0.47868	0.66834	-5.9982	51421
HOXB-AS3	-0.0564	0.056396	0.095892	-0.72813	0.47878	0.66842	-5.9983	404266
ARAP3	0.45713	0.45713	2.0796	0.72793	0.47889	0.66853	-5.9984	64411
CLDN23	-0.35162	0.35162	1.4906	-0.72787	0.47893	0.66853	-5.9985	137075
TAF1A	-0.07903	0.079026	0.5019	-0.72768	0.47904	0.66862	-5.9986	9015
RPS3	-18.863	18.863	144.02	-0.72761	0.47909	0.66863	-5.9986	6188
JAKMIP3	-0.05261	0.052609	0.11545	-0.72752	0.47914	0.66865	-5.9987	282973
PNMA1	0.86154	0.86154	5.4372	0.72733	0.47925	0.66872	-5.9988	9240
EBI3	-0.10974	0.10974	0.24329	-0.7273	0.47927	0.66872	-5.9989	10148
TARDBP	-1.0299	1.0299	12.391	-0.727	0.47945	0.66891	-5.9991	23435
NOC2L	-1.959	1.959	11.5	-0.72661	0.47968	0.66918	-5.9994	26155
ENTPD4	-0.36998	0.36998	4.1694	-0.72623	0.4799	0.66941	-5.9996	9583
ATP1B2	-0.29593	0.29593	0.79229	-0.72619	0.47993	0.66941	-5.9997	482
CRELD2	1.1008	1.1008	6.0927	0.72609	0.47999	0.66941	-5.9997	79174
LIMS3-LOC440895	-0.05875	0.058748	0.15292	-0.72607	0.48	0.66941	-5.9998	1E+08

LINC00310	-0.05229	0.052291	0.17259	-0.72575	0.48019	0.66962	-6	114036
ZNF296	-0.42627	0.42627	1.8096	-0.72567	0.48024	0.66963	-6	162979
AOC3	-1.6109	1.6109	5.0819	-0.7256	0.48028	0.66963	-6.0001	8639
FAM178B	0.082503	0.082503	0.1939	0.72514	0.48055	0.66996	-6.0004	51252
SNRPD1	1.2399	1.2399	5.9667	0.72503	0.48062	0.66999	-6.0005	6632
TBX2	0.96192	0.96192	3.0139	0.72485	0.48073	0.67009	-6.0006	6909
EBF1	-0.73122	0.73122	2.9499	-0.7247	0.48081	0.67011	-6.0007	1879
MBD3	-2.5587	2.5587	11.96	-0.72468	0.48083	0.67011	-6.0008	53615
MCRS1	1.0817	1.0817	8.094	0.72463	0.48086	0.67011	-6.0008	10445
IL4R	4.5185	4.5185	15.555	0.72424	0.48109	0.67037	-6.0011	3566
VPS41	-0.29033	0.29033	4.7021	-0.72404	0.48121	0.67048	-6.0012	27072
TFE3	1.4116	1.4116	9.5072	0.72384	0.48133	0.67055	-6.0014	7030
SRP68	1.3525	1.3525	11.384	0.72379	0.48136	0.67055	-6.0014	6730
KIF5C	-0.08684	0.08684	0.22212	-0.72376	0.48138	0.67055	-6.0014	3800
SNORA81	-0.33975	0.33975	1.5352	-0.72361	0.48146	0.67062	-6.0015	677847
LGALS9	-2.3505	2.3505	5.3925	-0.72353	0.48151	0.67063	-6.0016	3965
TANGO2	-0.19364	0.19364	1.8975	-0.72326	0.48167	0.6708	-6.0018	128989
LINC00565	0.068644	0.068644	0.15628	0.72316	0.48173	0.67081	-6.0019	1.01E+08
GAS2L3	0.10739	0.10739	0.60672	0.723	0.48182	0.67081	-6.002	283431
KLHL28	0.17178	0.17178	1.561	0.72296	0.48185	0.67081	-6.002	54813
CLVS1	0.12523	0.12523	0.27973	0.72293	0.48187	0.67081	-6.002	157807
TMEM222	1.1334	1.1334	7.1227	0.72285	0.48192	0.67081	-6.0021	84065
SLC16A4	-0.12896	0.12896	0.62187	-0.72277	0.48196	0.67081	-6.0021	9122
HECW2	-0.13938	0.13938	1.69	-0.72267	0.48202	0.67081	-6.0022	57520
SCARNA7	-51.936	51.936	208.18	-0.72264	0.48204	0.67081	-6.0022	677767
XCR1	-0.09446	0.09446	0.32309	-0.72263	0.48205	0.67081	-6.0022	2829

LOC101927954	0.093064	0.093064	0.36618	0.72257	0.48208	0.67081	-6.0023	1.02E+08
LOC101927839	-0.13631	0.13631	0.51111	-0.72226	0.48226	0.67099	-6.0025	1.02E+08
NME4	1.6276	1.6276	5.4236	0.72223	0.48228	0.67099	-6.0025	4833
TCAF2	0.4879	0.4879	3.2552	0.72175	0.48257	0.67132	-6.0029	285966
SREBF2	-2.7098	2.7098	20.499	-0.72157	0.48267	0.67136	-6.003	6721
CCDC77	0.11722	0.11722	1.2367	0.72157	0.48268	0.67136	-6.003	84318
CAMTA2	-0.69768	0.69768	6.4642	-0.72151	0.48271	0.67136	-6.003	23125
CARS-AS1	-0.0724	0.072395	0.26178	-0.72141	0.48277	0.67138	-6.0031	1.01E+08
RAB11B	-2.4139	2.4139	20.095	-0.72118	0.48291	0.67153	-6.0033	9230
MFSD14A	0.87243	0.87243	7.9222	0.72096	0.48304	0.67155	-6.0034	64645
NMI	1.042	1.042	4.1692	0.7209	0.48308	0.67155	-6.0035	9111
FAM149B1	0.17269	0.17269	1.9946	0.72086	0.4831	0.67155	-6.0035	317662
ASAP1-IT2	-0.13417	0.13417	0.54029	-0.72082	0.48312	0.67155	-6.0035	1.01E+08
RPRD1B	-0.29207	0.29207	4.4757	-0.72081	0.48313	0.67155	-6.0035	58490
SLBP	0.89085	0.89085	6.9279	0.72032	0.48342	0.67179	-6.0039	7884
MLIP-IT1	0.15047	0.15047	0.63499	0.7203	0.48343	0.67179	-6.0039	1.01E+08
ZNF879	-0.07238	0.07238	0.51302	-0.72026	0.48346	0.67179	-6.0039	345462
PIC SAR	-0.18787	0.18787	0.74605	-0.72025	0.48346	0.67179	-6.0039	378825
MUS81	0.49684	0.49684	3.7931	0.71996	0.48363	0.67194	-6.0042	80198
FBXW9	-0.37207	0.37207	2.4203	-0.71995	0.48364	0.67194	-6.0042	84261
CNIH3	0.077175	0.077175	0.31644	0.71978	0.48374	0.67197	-6.0043	149111
LOC101928557	0.094313	0.094313	0.14576	0.71977	0.48375	0.67197	-6.0043	1.02E+08
TTC30B	-0.1289	0.1289	0.87655	-0.71969	0.4838	0.67199	-6.0044	150737
FAM110B	0.40699	0.40699	1.1051	0.7194	0.48397	0.67217	-6.0046	90362
TARP	-0.08784	0.087838	0.26388	-0.71931	0.48402	0.67219	-6.0046	445347
RNF114	-0.92582	0.92582	7.0124	-0.71918	0.4841	0.67224	-6.0047	55905

TSPYL4	-0.30017	0.30017	3.1352	-0.71893	0.48425	0.67233	-6.0049	23270
TNFSF12-TNFSF13	0.22519	0.22519	0.54892	0.71889	0.48427	0.67233	-6.0049	407977
GCC2	0.27226	0.27226	2.0702	0.71887	0.48429	0.67233	-6.0049	9648
SMC5	-0.37699	0.37699	3.4842	-0.71875	0.48436	0.67236	-6.005	23137
ADAP1	0.22317	0.22317	0.92817	0.71867	0.48441	0.67236	-6.0051	11033
USP9Y	-0.35662	0.35662	2.1051	-0.71864	0.48443	0.67236	-6.0051	8287
S1PR2	-0.45861	0.45861	2.5663	-0.71805	0.48478	0.67279	-6.0055	9294
HNMT	0.44672	0.44672	1.3905	0.71785	0.4849	0.6729	-6.0057	3176
UBE2Z	1.9648	1.9648	16.327	0.71776	0.48495	0.67292	-6.0057	65264
MTERF1	-0.16768	0.16768	1.3404	-0.71762	0.48503	0.67294	-6.0058	7978
KIF18B	0.2396	0.2396	0.96276	0.71758	0.48505	0.67294	-6.0059	146909
DAPK1-IT1	-0.05633	0.056331	0.11573	-0.71753	0.48508	0.67294	-6.0059	1.01E+08
F2RL3	0.15193	0.15193	0.59584	0.71739	0.48517	0.67298	-6.006	9002
OLFM2	-2.0118	2.0118	15.321	-0.71731	0.48522	0.67298	-6.0061	93145
TTC30A	0.082721	0.082721	0.72417	0.71722	0.48527	0.67298	-6.0061	92104
ISOC2	1.7193	1.7193	8.4443	0.71722	0.48527	0.67298	-6.0061	79763
MRPS14	-0.39014	0.39014	2.6549	-0.7171	0.48534	0.67302	-6.0062	63931
WWP1	-0.97968	0.97968	8.8897	-0.71703	0.48538	0.67302	-6.0063	11059
SIRPA	2.9388	2.9388	14.865	0.71683	0.4855	0.67311	-6.0064	140885
MLXIP	-1.0349	1.0349	6.7667	-0.7168	0.48552	0.67311	-6.0064	22877
VNN3	0.23666	0.23666	0.52519	0.71634	0.4858	0.67343	-6.0067	55350
WBP1L	2.6023	2.6023	14.455	0.71625	0.48585	0.67344	-6.0068	54838
MYO1F	0.5788	0.5788	2.2085	0.71614	0.48591	0.67344	-6.0069	4542
B4GALT3	0.5824	0.5824	5.1171	0.71613	0.48592	0.67344	-6.0069	8703
MAPK9	-0.22489	0.22489	2.029	-0.71593	0.48604	0.67355	-6.007	5601
GZMA	0.17013	0.17013	0.64349	0.71568	0.48619	0.6736	-6.0072	3001

TAF10	3.1136	3.1136	17.318	0.71567	0.4862	0.6736	-6.0072	6881
NFYC	-0.56435	0.56435	5.4148	-0.71559	0.48625	0.6736	-6.0073	4802
KCNJ8	0.65857	0.65857	1.9278	0.71548	0.48631	0.6736	-6.0074	3764
ASPG	0.23639	0.23639	1.2309	0.71547	0.48632	0.6736	-6.0074	374569
TNFSF13B	0.2797	0.2797	0.81499	0.71546	0.48632	0.6736	-6.0074	10673
IL33	-1.5442	1.5442	5.7025	-0.71526	0.48645	0.67367	-6.0075	90865
BCL2L2-PABPN1	0.70545	0.70545	2.3166	0.71525	0.48645	0.67367	-6.0075	1.01E+08
P2RY6	0.21777	0.21777	0.65124	0.71519	0.48649	0.67367	-6.0076	5031
CDADC1	-0.07422	0.074224	0.59602	-0.71502	0.48659	0.67373	-6.0077	81602
ETAA1	0.17545	0.17545	1.6758	0.71499	0.48661	0.67373	-6.0077	54465
PRMT9	-0.13003	0.13003	1.3095	-0.7148	0.48672	0.67383	-6.0078	90826
LOC100507002	-0.09021	0.090206	0.30139	-0.71389	0.48726	0.67452	-6.0085	1.01E+08
DOCK10	0.31845	0.31845	1.7925	0.71367	0.4874	0.67465	-6.0086	55619
TULP3	0.44494	0.44494	4.2578	0.71352	0.48748	0.67471	-6.0088	7289
OSGIN1	0.21731	0.21731	0.77996	0.71344	0.48753	0.67471	-6.0088	29948
B3GALT2	-0.08741	0.087406	0.4957	-0.7134	0.48756	0.67471	-6.0088	8707
UHMK1	0.7542	0.7542	5.4197	0.7132	0.48768	0.67479	-6.009	127933
EDN2	-0.20866	0.20866	0.60285	-0.71317	0.4877	0.67479	-6.009	1907
SAMM50	-0.98859	0.98859	8.6	-0.71297	0.48781	0.67489	-6.0091	25813
PPP2R1A	4.5759	4.5759	30.703	0.71282	0.48791	0.67497	-6.0093	5518
DUS4L	-0.10326	0.10326	0.77839	-0.71257	0.48806	0.67511	-6.0094	11062
TFAP2C	-1.9577	1.9577	18.347	-0.71251	0.48809	0.67511	-6.0095	7022
CIT	-0.2082	0.2082	1.1096	-0.71237	0.48817	0.67514	-6.0096	11113
TMEM190	-0.06	0.060001	0.18459	-0.71234	0.48819	0.67514	-6.0096	147744
PPCS	0.50963	0.50963	4.7379	0.71195	0.48843	0.67541	-6.0099	79717
UBAC1	-0.94971	0.94971	10.048	-0.71167	0.4886	0.67559	-6.0101	10422

BCLAF1	-0.9113	0.9113	9.1409	-0.71102	0.48898	0.67606	-6.0105	9774
NCOA5	-0.59909	0.59909	5.2655	-0.7109	0.48905	0.67606	-6.0106	57727
ATG5	0.40643	0.40643	2.696	0.7109	0.48906	0.67606	-6.0106	9474
CMTM1	-0.14146	0.14146	0.59324	-0.71068	0.48919	0.67619	-6.0108	113540
AGRN	-2.8071	2.8071	11.52	-0.70993	0.48964	0.67676	-6.0113	375790
PSMB4	8.3012	8.3012	46.858	0.7098	0.48972	0.67681	-6.0114	5692
LOC101930071	0.76682	0.76682	2.1126	0.70954	0.48987	0.67697	-6.0116	1.02E+08
AIMP2	0.6132	0.6132	3.6239	0.70943	0.48994	0.677	-6.0117	7965
SPOCK2	-0.20116	0.20116	0.79879	-0.70936	0.48998	0.67701	-6.0117	9806
CARMN	-1.0656	1.0656	3.3586	-0.7092	0.49008	0.67701	-6.0118	728264
DBN1	-1.4773	1.4773	7.6818	-0.70917	0.4901	0.67701	-6.0118	1627
ARHGAP42	0.25452	0.25452	1.4404	0.70916	0.4901	0.67701	-6.0118	143872
SRFBP1	0.28652	0.28652	2.2647	0.70897	0.49022	0.67711	-6.012	153443
HGS	2.4596	2.4596	17.205	0.70886	0.49028	0.67713	-6.0121	9146
ADORA3	-0.11579	0.11579	0.29084	-0.70881	0.49031	0.67713	-6.0121	140
RALGPS2	0.57412	0.57412	3.9198	0.70867	0.4904	0.67719	-6.0122	55103
ZSCAN30	-0.13604	0.13604	1.2547	-0.7084	0.49056	0.67733	-6.0124	1E+08
MANBAL	1.5195	1.5195	11.053	0.70838	0.49057	0.67733	-6.0124	63905
DNAAF5	-0.53611	0.53611	3.671	-0.708	0.4908	0.67753	-6.0127	54919
VTI1B	1.5478	1.5478	12.604	0.7079	0.49086	0.67753	-6.0127	10490
CXCR4	0.76189	0.76189	2.573	0.70788	0.49087	0.67753	-6.0128	7852
DDX23	-1.3743	1.3743	9.7757	-0.70787	0.49088	0.67753	-6.0128	9416
NAE1	0.83335	0.83335	5.6529	0.70776	0.49094	0.67756	-6.0128	8883
MIR100HG	0.21349	0.21349	0.73114	0.70758	0.49105	0.6776	-6.013	399959
TFAP2E	-0.21286	0.21286	1.3975	-0.70758	0.49105	0.6776	-6.013	339488
TSC2	-0.89083	0.89083	7.6679	-0.7075	0.4911	0.67762	-6.013	7249

PDGFB	0.69902	0.69902	3.6694	0.70742	0.49115	0.67762	-6.0131	5155
NPHP1	-0.06757	0.067569	0.28468	-0.70706	0.49137	0.67782	-6.0133	4867
DISP2	0.062005	0.062005	0.12525	0.70697	0.49142	0.67782	-6.0134	85455
MYO9B	1.2278	1.2278	7.9101	0.70695	0.49143	0.67782	-6.0134	4650
TRAPPC11	0.40441	0.40441	5.0681	0.70691	0.49145	0.67782	-6.0134	60684
PPM1G	2.2465	2.2465	12.749	0.70675	0.49155	0.6779	-6.0136	5496
SLC24A3	-0.79618	0.79618	4.3728	-0.70661	0.49164	0.67796	-6.0136	57419
SF3B2	-3.0693	3.0693	24.221	-0.70653	0.49169	0.67798	-6.0137	10992
ACTN4	8.3376	8.3376	63.599	0.70631	0.49182	0.67811	-6.0139	81
MAMSTR	-0.08223	0.08223	0.30853	-0.70609	0.49195	0.67823	-6.014	284358
C1QC	-7.4695	7.4695	20.488	-0.70501	0.4926	0.67905	-6.0148	714
ZNF354B	-0.17905	0.17905	1.7862	-0.70497	0.49263	0.67905	-6.0148	117608
ULK2	-0.15279	0.15279	1.8151	-0.70469	0.4928	0.67923	-6.015	9706
ST7	0.20428	0.20428	2.2932	0.70453	0.49289	0.6793	-6.0151	7982
TOMM70	-0.59517	0.59517	6.1504	-0.7043	0.49303	0.67944	-6.0153	9868
CLDN1	8.4834	8.4834	31.454	0.70411	0.49315	0.67954	-6.0154	9076
IRF1	-0.85878	0.85878	3.9169	-0.70396	0.49323	0.67961	-6.0155	3659
ZNF121	0.78857	0.78857	6.155	0.70351	0.4935	0.67988	-6.0158	7675
FAM216A	0.096041	0.096041	0.61256	0.7035	0.49351	0.67988	-6.0158	29902
FNTB	-0.34276	0.34276	2.6414	-0.70344	0.49355	0.67988	-6.0159	2342
LOC100130872	-0.06988	0.069877	0.17658	-0.70321	0.49369	0.67996	-6.016	1E+08
SLC1A3	-0.30588	0.30588	1.7318	-0.7032	0.49369	0.67996	-6.016	6507
COG6	0.24054	0.24054	1.5336	0.70292	0.49386	0.6801	-6.0162	57511
LOC105377590	0.088156	0.088156	0.18276	0.70281	0.49393	0.6801	-6.0163	1.05E+08
GTPBP1	-0.63431	0.63431	7.5916	-0.7028	0.49394	0.6801	-6.0163	9567
C10orf88	0.10351	0.10351	0.91622	0.70276	0.49396	0.6801	-6.0164	80007

RICTOR	-0.39794	0.39794	3.194	-0.70265	0.49403	0.6801	-6.0164	253260
COL14A1	5.2281	5.2281	12.484	0.70264	0.49403	0.6801	-6.0164	7373
HLA-DMB	0.25776	0.25776	0.90985	0.70238	0.49419	0.68026	-6.0166	3109
TSPAN3	1.0423	1.0423	8.5502	0.70196	0.49444	0.68046	-6.0169	10099
DHFR	0.67997	0.67997	3.1084	0.70194	0.49445	0.68046	-6.0169	1719
LOC101929415	-0.05358	0.05358	0.16184	-0.70191	0.49447	0.68046	-6.017	1.02E+08
ZNF662	0.94486	0.94486	2.8754	0.70183	0.49452	0.68046	-6.017	389114
MRV1	-0.81927	0.81927	2.7977	-0.70181	0.49453	0.68046	-6.017	10335
HSPA9	3.189	3.189	23.248	0.70161	0.49465	0.68056	-6.0172	3313
HERPUD1	1.8835	1.8835	15.874	0.70155	0.49469	0.68056	-6.0172	9709
IGF2R	0.72783	0.72783	10.736	0.70143	0.49476	0.68059	-6.0173	3482
LMLN	-0.08743	0.08743	0.8289	-0.70138	0.49479	0.68059	-6.0173	89782
KLHDC3	1.7808	1.7808	12.948	0.70125	0.49487	0.68064	-6.0174	116138
UNG	-0.57064	0.57064	5.7014	-0.70114	0.49494	0.68064	-6.0175	7374
FAM131A	0.61719	0.61719	4.0672	0.70112	0.49495	0.68064	-6.0175	131408
ZFC3H1	-0.46298	0.46298	4.7382	-0.70081	0.49514	0.68076	-6.0177	196441
VCAN-AS1	0.052562	0.052562	0.077455	0.70079	0.49515	0.68076	-6.0177	1.05E+08
SCN4B	-0.21002	0.21002	1.0634	-0.70078	0.49515	0.68076	-6.0177	6330
TMC8	-0.22991	0.22991	1.3348	-0.7006	0.49526	0.68085	-6.0179	147138
CLCN5	0.13085	0.13085	1.5124	0.70052	0.49531	0.68087	-6.0179	1184
PPP4R3B	0.656	0.656	8.8336	0.69995	0.49566	0.68128	-6.0183	57223
CADM4	0.74501	0.74501	4.6069	0.69972	0.49579	0.68141	-6.0185	199731
XRN1	-0.43844	0.43844	4.6932	-0.69948	0.49594	0.68156	-6.0187	54464
MCUR1	0.75083	0.75083	4.3736	0.69939	0.496	0.68156	-6.0187	63933
IRAK2	0.29662	0.29662	1.8044	0.69934	0.49602	0.68156	-6.0187	3656
NME1-NME2	-0.44681	0.44681	1.3382	-0.69908	0.49618	0.68173	-6.0189	654364

RRAGD	-0.40923	0.40923	3.2441	-0.69878	0.49636	0.68192	-6.0191	58528
GPR37	0.26895	0.26895	0.90278	0.69851	0.49653	0.68208	-6.0193	2861
PSMB10	2.641	2.641	10.063	0.69846	0.49656	0.68208	-6.0194	5699
BLOC1S4	0.36369	0.36369	2.247	0.6983	0.49666	0.68211	-6.0195	55330
LOC100505549	-0.11918	0.11918	0.69255	-0.69826	0.49668	0.68211	-6.0195	1.01E+08
AGAP2	-0.29994	0.29994	0.91829	-0.69822	0.4967	0.68211	-6.0195	116986
QRFP	-0.05203	0.052027	0.15089	-0.69791	0.4969	0.68232	-6.0197	347148
SYT11	0.35228	0.35228	1.4306	0.69747	0.49716	0.68262	-6.02	23208
DGKA	1.2798	1.2798	10.82	0.69734	0.49724	0.68268	-6.0201	1606
ZNF614	0.1251	0.1251	0.85186	0.69702	0.49743	0.68289	-6.0204	80110
TSPAN4	-1.4565	1.4565	7.0962	-0.69695	0.49747	0.68289	-6.0204	7106
ZNF570	-0.0889	0.088895	0.63036	-0.69686	0.49753	0.68291	-6.0205	148268
NTPCR	0.74995	0.74995	4.0129	0.69663	0.49767	0.68298	-6.0206	84284
SSH2	-0.26595	0.26595	2.7991	-0.69663	0.49767	0.68298	-6.0206	85464
ATG9B	-1.2121	1.2121	4.9739	-0.69651	0.49774	0.68298	-6.0207	285973
ABI3	0.4315	0.4315	1.9554	0.6965	0.49775	0.68298	-6.0207	51225
EIF1B	0.94634	0.94634	6.9216	0.6963	0.49787	0.6831	-6.0209	10289
KIAA1671	-0.92584	0.92584	9.2113	-0.69601	0.49805	0.68329	-6.0211	85379
MINDY1	0.52986	0.52986	4.2764	0.69585	0.49814	0.68336	-6.0212	55793
TMEM187	-0.28707	0.28707	1.6483	-0.6957	0.49823	0.68343	-6.0213	8269
MRGBP	0.36178	0.36178	2.138	0.69531	0.49847	0.68361	-6.0216	55257
CELF2-AS2	-0.12117	0.12117	0.4836	-0.69529	0.49848	0.68361	-6.0216	439950
ZNF597	-0.0714	0.0714	0.47593	-0.69515	0.49857	0.68361	-6.0217	146434
NDUFB10	3.6508	3.6508	22.524	0.69515	0.49857	0.68361	-6.0217	4716
RAB29	0.37313	0.37313	1.9604	0.69513	0.49858	0.68361	-6.0217	8934
BTBD1	1.0814	1.0814	6.9449	0.69509	0.49861	0.68361	-6.0217	53339

TIMP2	19.283	19.283	69.651	0.6949	0.49872	0.68371	-6.0218	7077
GSEC	0.14543	0.14543	0.49759	0.69484	0.49876	0.68371	-6.0219	399972
TTC21A	-0.07099	0.070987	0.34607	-0.69457	0.49892	0.68382	-6.0221	199223
OSBPL10	0.34873	0.34873	3.216	0.69457	0.49892	0.68382	-6.0221	114884
PMF1-BGLAP	0.12075	0.12075	0.52768	0.69382	0.49938	0.68434	-6.0226	1.01E+08
TEDC2	0.15547	0.15547	0.45747	0.69381	0.49938	0.68434	-6.0226	80178
TBC1D12	0.22138	0.22138	2.2056	0.69368	0.49946	0.68439	-6.0227	23232
CTCF	-0.56301	0.56301	6.3818	-0.69317	0.49977	0.68476	-6.023	10664
PLXNA1	-1.3848	1.3848	8.4059	-0.69293	0.49992	0.68487	-6.0232	5361
COL4A4	-0.17073	0.17073	0.44244	-0.69289	0.49994	0.68487	-6.0232	1286
RNF121	-0.18922	0.18922	2.5896	-0.69283	0.49997	0.68487	-6.0233	55298
DOK1	0.29024	0.29024	1.1821	0.69261	0.50011	0.68501	-6.0234	1796
PFKM	-0.39736	0.39736	2.9759	-0.69235	0.50027	0.68517	-6.0236	5213
MED7	0.26587	0.26587	1.8016	0.69222	0.50035	0.68522	-6.0237	9443
BLVRB	2.8933	2.8933	15.893	0.69208	0.50043	0.68528	-6.0238	645
BORA	0.11877	0.11877	0.7262	0.69195	0.50051	0.68533	-6.0239	79866
DCTD	1.4344	1.4344	8.983	0.69177	0.50062	0.68543	-6.024	1635
ZFAS1	4.3809	4.3809	20.286	0.691	0.50109	0.68601	-6.0245	441951
UTP6	0.68216	0.68216	6.2676	0.69073	0.50126	0.6861	-6.0247	55813
FLI1	0.64888	0.64888	3.2684	0.6907	0.50127	0.6861	-6.0247	2313
VPS4A	-1.7332	1.7332	15.708	-0.6906	0.50133	0.6861	-6.0248	27183
DDB1	-2.1168	2.1168	22.11	-0.69051	0.50139	0.6861	-6.0249	1642
FAAP20	-0.32848	0.32848	1.7381	-0.6905	0.50139	0.6861	-6.0249	199990
NTMT1	0.31981	0.31981	2.4031	0.69011	0.50163	0.6861	-6.0251	28989
ZNF830	-0.23162	0.23162	3.069	-0.68993	0.50174	0.6861	-6.0253	91603
HIP1	-0.49807	0.49807	3.1562	-0.68987	0.50178	0.6861	-6.0253	3092

RASGRP2	-0.19204	0.19204	0.79248	-0.68976	0.50185	0.6861	-6.0254	10235
CDCA3	0.2106	0.2106	0.81357	0.68975	0.50185	0.6861	-6.0254	83461
TP53INP1	0.64244	0.64244	4.3689	0.68965	0.50191	0.6861	-6.0255	94241
EBPL	1.4129	1.4129	7.7393	0.68963	0.50192	0.6861	-6.0255	84650
LOC100289580	-0.21735	0.21735	0.9005	-0.68962	0.50193	0.6861	-6.0255	1E+08
CTNBL1	-0.72419	0.72419	5.8806	-0.68954	0.50198	0.6861	-6.0255	56259
MRPL28	1.8102	1.8102	9.362	0.68952	0.50199	0.6861	-6.0256	10573
STOML2	2.8331	2.8331	16.694	0.68952	0.502	0.6861	-6.0256	30968
CA2	6.3328	6.3328	19.537	0.6895	0.50201	0.6861	-6.0256	760
OSBPL7	-0.14272	0.14272	0.53136	-0.68949	0.50201	0.6861	-6.0256	114881
PDGFC	0.5496	0.5496	3.2947	0.68948	0.50202	0.6861	-6.0256	56034
ZDHH17	-0.31226	0.31226	2.2851	-0.68945	0.50204	0.6861	-6.0256	23390
KHDRBS3	0.33376	0.33376	1.4582	0.68944	0.50204	0.6861	-6.0256	10656
FCRLB	0.072403	0.072403	0.27049	0.68934	0.50211	0.6861	-6.0257	127943
LINC01137	0.40875	0.40875	2.1881	0.68932	0.50212	0.6861	-6.0257	728431
ZNF598	1.824	1.824	11.165	0.6893	0.50213	0.6861	-6.0257	90850
SPRR2F	-15.129	15.129	16.026	-0.68917	0.50221	0.68615	-6.0258	6705
EML3	-1.7158	1.7158	9.4394	-0.68874	0.50247	0.68638	-6.0261	256364
CCDC26	0.054307	0.054307	0.090773	0.68866	0.50252	0.68638	-6.0262	137196
MAT2A	3.0168	3.0168	27.761	0.68863	0.50254	0.68638	-6.0262	4144
TRAF4	0.77447	0.77447	4.2158	0.68862	0.50254	0.68638	-6.0262	9618
PGBD4	0.080581	0.080581	0.58853	0.68832	0.50272	0.68658	-6.0264	161779
PIGX	-0.57728	0.57728	3.0316	-0.68777	0.50306	0.68698	-6.0268	54965
SEN2	-0.36674	0.36674	4.6415	-0.68764	0.50314	0.68704	-6.0269	59343
C17orf97	-0.31086	0.31086	0.81235	-0.68745	0.50326	0.68712	-6.027	400566
LCE2A	30.387	30.387	63.55	0.6874	0.50329	0.68712	-6.027	353139

FCF1P2	0.13041	0.13041	1.0635	0.68726	0.50337	0.68719	-6.0271	1.01E+08
URI1	-0.67904	0.67904	7.8465	-0.68694	0.50357	0.68735	-6.0273	8725
ADGRG6	-0.36431	0.36431	2.351	-0.68693	0.50357	0.68735	-6.0273	57211
CD40LG	-0.05447	0.05447	0.16528	-0.68682	0.50364	0.68738	-6.0274	959
PPP1R3D	0.50278	0.50278	2.3513	0.68675	0.50368	0.68739	-6.0275	5509
GTF3C1	-1.5569	1.5569	13.06	-0.68666	0.50374	0.68739	-6.0275	2975
SDCBP	2.9549	2.9549	13.149	0.68661	0.50377	0.68739	-6.0276	6386
MYO19	-0.59891	0.59891	8.6598	-0.6865	0.50384	0.68743	-6.0276	80179
NAXD	-0.51696	0.51696	5.7107	-0.68634	0.50393	0.68751	-6.0277	55739
PLEKHN1	-1.4227	1.4227	7.1502	-0.68601	0.50414	0.68773	-6.028	84069
EBP	2.1717	2.1717	12.792	0.68583	0.50425	0.68783	-6.0281	10682
LARP4B	0.52566	0.52566	6.6922	0.68544	0.50449	0.68809	-6.0284	23185
GRB7	1.235	1.235	5.4112	0.68526	0.5046	0.68817	-6.0285	2886
PIK3R5	0.22624	0.22624	1.0382	0.68512	0.50468	0.68817	-6.0286	23533
RPL35	69.541	69.541	355.85	0.68507	0.50471	0.68817	-6.0286	11224
MS4A6A	1.5735	1.5735	4.2353	0.68504	0.50473	0.68817	-6.0286	64231
FLNA	19.228	19.228	101.9	0.68502	0.50474	0.68817	-6.0286	2316
PIK3CA	0.23657	0.23657	2.3239	0.6843	0.50518	0.68871	-6.0291	5290
USP22	-2.6379	2.6379	20.726	-0.68422	0.50523	0.68872	-6.0292	23326
UBAP2	0.58768	0.58768	6.6218	0.68401	0.50536	0.68884	-6.0293	55833
ATP5F1A	5.6116	5.6116	54.812	0.68342	0.50572	0.68928	-6.0297	498
PPP6C	0.60019	0.60019	5.5235	0.68318	0.50587	0.68942	-6.0299	5537
MARVELD1	-2.5354	2.5354	11.312	-0.68303	0.50596	0.68949	-6.03	83742
PYGO1	0.10583	0.10583	0.45414	0.68275	0.50613	0.68963	-6.0302	26108
SPR	0.52837	0.52837	2.5639	0.68267	0.50618	0.68963	-6.0303	6697
RIF1	-0.45809	0.45809	4.5341	-0.68264	0.5062	0.68963	-6.0303	55183

GLMP	1.5454	1.5454	7.756	0.6826	0.50622	0.68963	-6.0303	112770
C12orf75	3.1997	3.1997	10.575	0.68246	0.50631	0.68969	-6.0304	387882
ADCY9	-0.35976	0.35976	2.8505	-0.68231	0.5064	0.68976	-6.0305	115
CLN5	0.42864	0.42864	3.381	0.68194	0.50663	0.68999	-6.0308	1203
OR1L4	-0.06261	0.062607	0.12072	-0.6819	0.50665	0.68999	-6.0308	254973
TCTN3	-0.63625	0.63625	5.1503	-0.68149	0.50691	0.69028	-6.0311	26123
LOC102723345	-0.08261	0.082607	0.13596	-0.68139	0.50696	0.69029	-6.0311	1.03E+08
GPR3	0.06521	0.06521	0.21746	0.68134	0.507	0.69029	-6.0312	2827
GRAMD1C	0.71213	0.71213	2.25	0.68118	0.5071	0.69033	-6.0313	54762
NFKBIB	0.73512	0.73512	4.0813	0.68116	0.5071	0.69033	-6.0313	4793
ZNF428	-0.91493	0.91493	4.2575	-0.68103	0.50719	0.69038	-6.0314	126299
FLOT1	0.43739	0.43739	2.3183	0.6808	0.50733	0.69052	-6.0315	10211
ABHD16A	0.10044	0.10044	0.7151	0.68045	0.50754	0.69075	-6.0318	7920
CD38	-0.084	0.084001	0.16399	-0.68036	0.50759	0.69077	-6.0318	952
PSKH1	-0.70297	0.70297	6.3771	-0.67946	0.50815	0.69147	-6.0324	5681
PRKD1	0.14357	0.14357	0.61299	0.67926	0.50827	0.69159	-6.0326	5587
SAV1	-0.64395	0.64395	5.5834	-0.67915	0.50834	0.69162	-6.0327	60485
GSTZ1	-0.62767	0.62767	3.4881	-0.67907	0.50839	0.69162	-6.0327	2954
TESK1	-0.66336	0.66336	5.6563	-0.67901	0.50842	0.69162	-6.0327	7016
HMGN1	5.2452	5.2452	34.004	0.67879	0.50856	0.69175	-6.0329	3150
SPDL1	0.1112	0.1112	0.59163	0.67818	0.50893	0.6922	-6.0333	54908
RETREG3	-1.013	1.013	11.524	-0.67802	0.50903	0.69227	-6.0334	162427
JARID2	0.74136	0.74136	6.5092	0.67797	0.50907	0.69227	-6.0335	3720
INIP	0.23214	0.23214	2.0632	0.67705	0.50963	0.69286	-6.0341	58493
C1orf195	-0.10606	0.10606	0.38487	-0.67701	0.50965	0.69286	-6.0341	727684
RNASEH1	-0.26113	0.26113	2.6997	-0.67695	0.50969	0.69286	-6.0341	246243

SYNPO2L	0.14756	0.14756	0.3373	0.67694	0.5097	0.69286	-6.0341	79933
PREB	1.0865	1.0865	7.1271	0.67694	0.5097	0.69286	-6.0342	10113
MTFR2	0.10195	0.10195	0.35715	0.67666	0.50987	0.69293	-6.0343	113115
TEX264	2.3802	2.3802	11.01	0.6766	0.50991	0.69293	-6.0344	51368
PPM1F	-1.1175	1.1175	6.7416	-0.67646	0.51	0.69293	-6.0345	9647
HPS5	-0.17091	0.17091	2.3806	-0.67642	0.51002	0.69293	-6.0345	11234
SNRNP48	-0.11002	0.11002	1.4458	-0.67635	0.51006	0.69293	-6.0346	154007
KXD1	1.9987	1.9987	12.653	0.67625	0.51013	0.69293	-6.0346	79036
NUDT19	0.39313	0.39313	3.2653	0.6762	0.51015	0.69293	-6.0347	390916
WIPF1	1.3185	1.3185	5.8222	0.67618	0.51016	0.69293	-6.0347	7456
BRAP	-0.24404	0.24404	3.0236	-0.67615	0.51018	0.69293	-6.0347	8315
SNX24	0.21895	0.21895	3.1773	0.67605	0.51025	0.69293	-6.0348	28966
ZSCAN32	-0.18729	0.18729	1.7574	-0.67599	0.51028	0.69293	-6.0348	54925
LINC01001	-0.16233	0.16233	0.81765	-0.67597	0.51029	0.69293	-6.0348	1E+08
C19orf57	-0.09144	0.091435	0.53007	-0.67594	0.51031	0.69293	-6.0348	79173
VIPAS39	-0.24845	0.24845	2.9113	-0.67589	0.51034	0.69293	-6.0349	63894
ZNF146	0.62122	0.62122	5.7561	0.67585	0.51037	0.69293	-6.0349	7705
DNAJC21	-0.32677	0.32677	3.2274	-0.67565	0.51049	0.69298	-6.035	134218
R3HDM1	0.28092	0.28092	2.4645	0.67563	0.51051	0.69298	-6.035	23518
SERPINB4	-23.157	23.157	25.931	-0.67559	0.51053	0.69298	-6.0351	6318
TUFM	3.0056	3.0056	22.696	0.6754	0.51065	0.69298	-6.0352	7284
PATL1	-0.72676	0.72676	6.0586	-0.67538	0.51066	0.69298	-6.0352	219988
ACD	-0.55591	0.55591	2.7514	-0.67535	0.51068	0.69298	-6.0352	65057
IRF5	0.32028	0.32028	2.0457	0.67533	0.51069	0.69298	-6.0352	3663
LMTK3	0.29733	0.29733	1.2832	0.67514	0.5108	0.69307	-6.0354	114783
EMC1	-0.41034	0.41034	4.5636	-0.67499	0.5109	0.69314	-6.0355	23065

PCSK1	0.73108	0.73108	1.9494	0.67493	0.51094	0.69314	-6.0355	5122
ZNF561-AS1	0.17175	0.17175	1.0374	0.67479	0.51102	0.6932	-6.0356	284385
PTGER4	0.35505	0.35505	2.0706	0.67428	0.51134	0.69354	-6.036	5734
ANKS1A	-0.52318	0.52318	6.0717	-0.67423	0.51136	0.69354	-6.036	23294
FZD10	0.54123	0.54123	2.2895	0.67419	0.51139	0.69354	-6.036	11211
APP	8.9269	8.9269	66.574	0.67411	0.51144	0.69354	-6.0361	351
GEMIN2	0.30197	0.30197	1.6286	0.67366	0.51172	0.69377	-6.0364	8487
KCNK3	-0.37107	0.37107	0.60801	-0.67359	0.51176	0.69377	-6.0364	3777
RTCB	1.6643	1.6643	16.725	0.67349	0.51182	0.69377	-6.0365	51493
SNORA71A	-1.1232	1.1232	4.5902	-0.67349	0.51182	0.69377	-6.0365	26777
TTC1	1.2603	1.2603	9.6682	0.67345	0.51185	0.69377	-6.0365	7265
MARK2	-1.2309	1.2309	10.27	-0.67344	0.51185	0.69377	-6.0365	2011
ZNF558	-0.15023	0.15023	1.9403	-0.67332	0.51193	0.69382	-6.0366	148156
WIZ	-0.92043	0.92043	6.8322	-0.67264	0.51235	0.69431	-6.0371	58525
CFAP20	0.66499	0.66499	4.5192	0.67259	0.51238	0.69431	-6.0371	29105
TOMM40	2.3085	2.3085	12.379	0.67254	0.51241	0.69431	-6.0371	10452
GFM1	0.68169	0.68169	5.5171	0.67239	0.5125	0.69435	-6.0372	85476
SLURP1	85.723	85.723	162.04	0.67235	0.51253	0.69435	-6.0373	57152
SUN2	-2.1628	2.1628	16.332	-0.67218	0.51263	0.69443	-6.0374	25777
CDK9	1.1076	1.1076	10.465	0.67193	0.51279	0.69459	-6.0375	1025
VPS28	2.3015	2.3015	21.535	0.67186	0.51283	0.69459	-6.0376	51160
OSMR-AS1	-0.0946	0.094597	0.28704	-0.67167	0.51295	0.6947	-6.0377	1.02E+08
ACOT8	-0.45138	0.45138	3.536	-0.67139	0.51312	0.69485	-6.0379	10005
RANGRF	0.46227	0.46227	3.394	0.67135	0.51314	0.69485	-6.0379	29098
ZNF788P	-0.2512	0.2512	1.1453	-0.67118	0.51325	0.69493	-6.038	388507
MIOS	0.62222	0.62222	6.042	0.67104	0.51334	0.695	-6.0381	54468

OPA3	-0.18044	0.18044	1.847	-0.67076	0.51351	0.69518	-6.0383	80207
GPR162	0.1139	0.1139	0.39136	0.67057	0.51363	0.69523	-6.0384	27239
LAPTM4A	6.0902	6.0902	46.453	0.67054	0.51365	0.69523	-6.0385	9741
RPL23AP53	-0.14027	0.14027	1.8337	-0.6705	0.51367	0.69523	-6.0385	644128
POFUT2	-0.35803	0.35803	1.8164	-0.67031	0.51378	0.69533	-6.0386	23275
RASGEF1B	0.75424	0.75424	5.383	0.67014	0.51389	0.69542	-6.0387	153020
NBN	0.42534	0.42534	3.4836	0.66986	0.51407	0.6956	-6.0389	4683
LOC102723692	-0.06294	0.062942	0.20431	-0.66967	0.51418	0.6957	-6.0391	1.03E+08
SLX4IP	-0.10489	0.10489	1.3226	-0.66952	0.51427	0.69575	-6.0391	128710
PLIN2	-3.2625	3.2625	8.1349	-0.66948	0.5143	0.69575	-6.0392	123
SEC23IP	0.25027	0.25027	3.3231	0.66912	0.51452	0.69599	-6.0394	11196
MTFP1	0.54347	0.54347	1.9414	0.66855	0.51488	0.69642	-6.0398	51537
TIAM1	1.6656	1.6656	10.306	0.66846	0.51493	0.69643	-6.0399	7074
PACSIN3	-1.5968	1.5968	7.0411	-0.66821	0.51509	0.69645	-6.04	29763
ZRANB2	-0.59667	0.59667	7.2929	-0.66819	0.5151	0.69645	-6.04	9406
ASB3	-0.15155	0.15155	1.2274	-0.66816	0.51512	0.69645	-6.0401	51130
NR2C2AP	-0.56351	0.56351	3.6601	-0.66805	0.51518	0.69645	-6.0401	126382
PNMA6A	-0.05667	0.056671	0.15413	-0.66802	0.5152	0.69645	-6.0402	84968
STARD13-AS	-0.09648	0.096481	0.38486	-0.66799	0.51522	0.69645	-6.0402	1.01E+08
SNORA5A	0.92615	0.92615	5.0387	0.66794	0.51525	0.69645	-6.0402	654319
SLC40A1	1.3822	1.3822	7.8194	0.66791	0.51527	0.69645	-6.0402	30061
EHF	3.7573	3.7573	18.984	0.66771	0.51539	0.69656	-6.0404	26298
SRPX	-1.5115	1.5115	4.6293	-0.6675	0.51553	0.69662	-6.0405	8406
ARRDC1	1.0179	1.0179	8.8296	0.66747	0.51555	0.69662	-6.0405	92714
SIK1	2.3794	2.3794	14.559	0.66741	0.51558	0.69662	-6.0406	150094
MMGT1	0.33658	0.33658	2.86	0.66734	0.51562	0.69662	-6.0406	93380

RANBP6	0.38572	0.38572	3.3419	0.6673	0.51565	0.69662	-6.0406	26953
C22orf23	-0.83999	0.83999	5.9109	-0.66714	0.51575	0.69668	-6.0407	84645
TLE3	-2.4138	2.4138	14.351	-0.6671	0.51577	0.69668	-6.0408	7090
FRAT1	-0.1325	0.1325	0.88026	-0.66702	0.51582	0.69669	-6.0408	10023
TPP1	1.9165	1.9165	12.75	0.66684	0.51594	0.69669	-6.0409	1200
LINC01395	-0.06018	0.060176	0.13757	-0.6668	0.51596	0.69669	-6.041	1.02E+08
MASP1	0.91916	0.91916	3.0312	0.66678	0.51597	0.69669	-6.041	5648
BCAP31	3.1747	3.1747	23.393	0.66675	0.51599	0.69669	-6.041	10134
PINK1	2.4281	2.4281	16.189	0.66667	0.51604	0.6967	-6.0411	65018
RPL13A	-26.091	26.091	186.24	-0.66655	0.51611	0.69675	-6.0411	23521
KDM2A	-0.95359	0.95359	13.004	-0.66635	0.51624	0.69686	-6.0413	22992
SPINDOC	0.42751	0.42751	2.022	0.666	0.51645	0.69698	-6.0415	144097
TMEM17	0.1404	0.1404	0.78411	0.66599	0.51646	0.69698	-6.0415	200728
TCIRG1	1.0985	1.0985	5.4944	0.66595	0.51649	0.69698	-6.0415	10312
TSPYL1	1.1455	1.1455	11.014	0.66592	0.5165	0.69698	-6.0416	7259
CREB3L1	1.4237	1.4237	4.2689	0.66587	0.51653	0.69698	-6.0416	90993
PDCD2	0.35491	0.35491	3.4984	0.66562	0.51669	0.69714	-6.0418	5134
SAP18	1.7403	1.7403	13.414	0.66555	0.51673	0.69714	-6.0418	10284
TOB1-AS1	-0.05559	0.055594	0.20958	-0.66537	0.51685	0.69724	-6.0419	400604
NR2F2	-1.0243	1.0243	4.4435	-0.6653	0.51689	0.69724	-6.042	7026
LINC01503	-0.526	0.526	2.4814	-0.66522	0.51694	0.69725	-6.042	1.01E+08
IRF9	-2.6172	2.6172	11.823	-0.66485	0.51717	0.69745	-6.0423	10379
SNORA1	-0.10092	0.10092	0.15333	-0.66485	0.51717	0.69745	-6.0423	677792
SPATA5L1	-0.37748	0.37748	2.4038	-0.66468	0.51728	0.6975	-6.0424	79029
DHRS9	0.75478	0.75478	1.6689	0.66463	0.51731	0.6975	-6.0424	10170
MTX1	0.87163	0.87163	6.4213	0.66458	0.51733	0.6975	-6.0424	4580

RPGRIP1L	-0.07049	0.070487	0.41645	-0.66442	0.51743	0.69758	-6.0426	23322
DMXL2	0.33284	0.33284	1.9282	0.66431	0.5175	0.6976	-6.0426	23312
GIMAP2	0.38583	0.38583	1.4937	0.66427	0.51753	0.6976	-6.0427	26157
MRAS	-0.40096	0.40096	1.8459	-0.66401	0.51769	0.69776	-6.0428	22808
BLOC1S1	2.1406	2.1406	11.892	0.66371	0.51788	0.69796	-6.043	2647
PRXL2B	-0.40527	0.40527	2.0599	-0.66337	0.51809	0.69818	-6.0433	127281
SKP2	0.41854	0.41854	2.5454	0.66321	0.51819	0.69827	-6.0434	6502
LOC101060553	-0.04774	0.04774	0.14275	-0.66307	0.51827	0.69833	-6.0435	1.01E+08
FANCI	0.4661	0.4661	2.2672	0.66296	0.51834	0.69836	-6.0435	55215
RPS26P11	-0.06712	0.067118	0.29796	-0.66258	0.51858	0.69862	-6.0438	441502
SETBP1	-0.4182	0.4182	3.6633	-0.66249	0.51864	0.69865	-6.0438	26040
CDC23	-0.40311	0.40311	3.7628	-0.66224	0.51879	0.69879	-6.044	8697
ST14	5.1532	5.1532	28.851	0.66198	0.51895	0.69892	-6.0442	6768
WBP4	0.2882	0.2882	2.4853	0.66192	0.51899	0.69892	-6.0442	11193
MIR133A1HG	-0.05994	0.059944	0.21277	-0.66185	0.51903	0.69892	-6.0443	1.03E+08
ZNF137P	-0.05993	0.059931	0.30179	-0.66182	0.51905	0.69892	-6.0443	7696
SH3RF1	0.23537	0.23537	2.901	0.66159	0.51919	0.69904	-6.0444	57630
LINC00484	-0.05645	0.056451	0.15708	-0.66155	0.51922	0.69904	-6.0445	1E+08
MTRNR2L8	-0.60885	0.60885	1.9122	-0.66117	0.51945	0.6993	-6.0447	1E+08
RPL23A	36.76	36.76	234.85	0.66091	0.51961	0.69946	-6.0449	6147
ZNF888	-0.13427	0.13427	1.1185	-0.6608	0.51968	0.6995	-6.045	388559
ZFP36L1	-4.095	4.095	51.94	-0.66029	0.52	0.69979	-6.0453	677
MDGA1	0.40688	0.40688	1.0711	0.66026	0.52002	0.69979	-6.0453	266727
LINC00937	-0.15807	0.15807	0.40176	-0.66025	0.52002	0.69979	-6.0453	389634
PEX14	-0.46248	0.46248	4.1617	-0.66013	0.5201	0.69983	-6.0454	5195
LRP1-AS	-0.09855	0.098548	0.3927	-0.65946	0.52052	0.70035	-6.0458	1.06E+08

RPL15	8.9898	8.9898	60.139	0.65927	0.52063	0.70038	-6.046	6138
UCHL5	-0.20174	0.20174	1.8858	-0.65925	0.52065	0.70038	-6.046	51377
LINC01448	-0.05351	0.053508	0.22871	-0.65922	0.52067	0.70038	-6.046	1.02E+08
THEMIS2	0.85235	0.85235	2.956	0.65879	0.52093	0.70063	-6.0463	9473
SYTL1	-5.1751	5.1751	18.066	-0.65876	0.52095	0.70063	-6.0463	84958
IMP3	1.6842	1.6842	15.645	0.65871	0.52098	0.70063	-6.0463	55272
VPS13A-AS1	-0.12502	0.12502	0.19749	-0.65857	0.52107	0.7007	-6.0464	1E+08
NDUFA7	1.3832	1.3832	7.8457	0.65831	0.52123	0.70086	-6.0466	4701
SQSTM1	-4.0323	4.0323	27.583	-0.65823	0.52129	0.70086	-6.0467	8878
AGR2	-0.06688	0.066884	0.24163	-0.65817	0.52132	0.70086	-6.0467	10551
ZBTB6	0.18028	0.18028	1.4707	0.65771	0.52161	0.7012	-6.047	10773
NRP1	2.3891	2.3891	11.527	0.6575	0.52174	0.70121	-6.0471	8829
QPCTL	-0.16527	0.16527	1.2471	-0.65747	0.52176	0.70121	-6.0472	54814
SPSB1	-0.75371	0.75371	7.5142	-0.65744	0.52178	0.70121	-6.0472	80176
TAPBP	-0.64408	0.64408	5.1941	-0.6574	0.5218	0.70121	-6.0472	6892
SLC41A2	0.14861	0.14861	0.69705	0.65736	0.52182	0.70121	-6.0472	84102
LOC101928489	0.085029	0.085029	0.43309	0.65686	0.52214	0.70157	-6.0476	1.02E+08
EPHB2	0.13336	0.13336	0.5471	0.65674	0.52221	0.70162	-6.0476	2048
LAMA1	0.29242	0.29242	0.94167	0.65657	0.52232	0.7017	-6.0477	284217
HCFC1	-1.1948	1.1948	8.5947	-0.65642	0.52241	0.70177	-6.0478	3054
MECOM	0.2456	0.2456	1.0848	0.65624	0.52252	0.70178	-6.048	2122
MYCBPAP	0.074368	0.074368	0.17025	0.65622	0.52254	0.70178	-6.048	84073
PLEKHG6	0.44739	0.44739	3.0047	0.65621	0.52254	0.70178	-6.048	55200
EXOC3	-1.1411	1.1411	11.97	-0.65615	0.52258	0.70178	-6.048	11336
ALG13	-0.18921	0.18921	2.3366	-0.65598	0.52268	0.70186	-6.0481	79868
CTBS	-0.31006	0.31006	2.3138	-0.6559	0.52274	0.70188	-6.0482	1486

GTPBP8	0.24219	0.24219	1.6747	0.65569	0.52287	0.70199	-6.0483	29083
PGS1	-0.62737	0.62737	4.2333	-0.65546	0.52301	0.70213	-6.0485	9489
MCOLN1	0.72799	0.72799	5.5242	0.65526	0.52314	0.70225	-6.0486	57192
THOC3	1.4019	1.4019	8.5249	0.65515	0.52321	0.70228	-6.0487	84321
TP53I11	-1.4726	1.4726	6.2331	-0.65487	0.52338	0.70242	-6.0489	9537
FECH	-0.16135	0.16135	1.4845	-0.65476	0.52345	0.70242	-6.0489	2235
TXNDC11	0.40283	0.40283	4.1869	0.65474	0.52346	0.70242	-6.049	51061
FLII	2.6687	2.6687	17.197	0.65465	0.52352	0.70242	-6.049	2314
ZFAND2B	1.1546	1.1546	7.3688	0.65465	0.52352	0.70242	-6.049	130617
SH2D3C	0.39821	0.39821	1.7711	0.65443	0.52366	0.70252	-6.0492	10044
DNAJC9	0.74131	0.74131	5.8793	0.6544	0.52368	0.70252	-6.0492	23234
SUPT16H	-1.3541	1.3541	10.942	-0.65418	0.52381	0.70256	-6.0493	11198
MOCS1	-0.54494	0.54494	1.8235	-0.65417	0.52382	0.70256	-6.0493	4337
IST1	-0.68679	0.68679	10.297	-0.65413	0.52384	0.70256	-6.0494	9798
LCE1B	33.841	33.841	56.833	0.65408	0.52387	0.70256	-6.0494	353132
SH3BP5L	1.2916	1.2916	6.3037	0.65396	0.52395	0.70261	-6.0495	80851
STK32B	-0.12779	0.12779	0.69337	-0.6533	0.52436	0.7031	-6.0499	55351
ADGRA3	0.40632	0.40632	2.5689	0.65306	0.52451	0.70325	-6.0501	166647
FIS1	5.8559	5.8559	31.727	0.65296	0.52458	0.70326	-6.0501	51024
ATAD3B	0.55509	0.55509	4.4239	0.65291	0.5246	0.70326	-6.0502	83858
SMAD6	0.34977	0.34977	1.5079	0.65283	0.52465	0.70327	-6.0502	4091
AKR1C2	0.67021	0.67021	3.6349	0.65276	0.5247	0.70328	-6.0503	1646
DHDDS	-0.41672	0.41672	6.1133	-0.65264	0.52477	0.70332	-6.0503	79947
RAB39A	0.078253	0.078253	0.17086	0.65236	0.52495	0.70337	-6.0505	54734
ZNF277	0.29698	0.29698	2.4206	0.6522	0.52505	0.70337	-6.0506	11179
MOCS2	0.26744	0.26744	2.19	0.65216	0.52508	0.70337	-6.0506	4338

IFNLR1	0.27111	0.27111	2.1043	0.65212	0.5251	0.70337	-6.0507	163702
HELZ2	-1.484	1.484	5.2076	-0.65207	0.52513	0.70337	-6.0507	85441
LINC00938	-0.25346	0.25346	2.4467	-0.65197	0.52519	0.70337	-6.0508	400027
LYPLA2	2.0302	2.0302	13.226	0.65197	0.5252	0.70337	-6.0508	11313
EEF1AKMT1	-0.22671	0.22671	1.3896	-0.65193	0.52522	0.70337	-6.0508	221143
NELFE	0.29102	0.29102	2.1667	0.65184	0.52528	0.70337	-6.0509	7936
TSSC4	0.77923	0.77923	5.2208	0.65177	0.52532	0.70337	-6.0509	10078
MPZL1	2.2296	2.2296	13.682	0.65169	0.52537	0.70337	-6.051	9019
MAGED2	2.5629	2.5629	14.749	0.65168	0.52538	0.70337	-6.051	10916
RAD18	-0.13907	0.13907	1.1583	-0.65166	0.52539	0.70337	-6.051	56852
TOMM7	11.522	11.522	54.616	0.65161	0.52542	0.70337	-6.051	54543
RTN4RL2	-0.21953	0.21953	0.96463	-0.65159	0.52543	0.70337	-6.051	349667
AGTRAP	2.5899	2.5899	10.936	0.65145	0.52552	0.70342	-6.0511	57085
SRR	0.18087	0.18087	1.4432	0.65124	0.52565	0.70355	-6.0512	63826
DPCD	0.18058	0.18058	1.3591	0.65053	0.52609	0.70401	-6.0517	25911
CCL26	-0.06324	0.063237	0.24763	-0.65052	0.5261	0.70401	-6.0517	10344
EXOC8	0.34307	0.34307	3.5274	0.65043	0.52616	0.70401	-6.0518	149371
MKX	0.18811	0.18811	0.3857	0.65039	0.52618	0.70401	-6.0518	283078
HSD17B6	-0.0807	0.080698	0.20206	-0.65036	0.5262	0.70401	-6.0518	8630
SPSB2	0.38878	0.38878	2.4052	0.65018	0.52632	0.70406	-6.0519	84727
GPNMB	-6.4804	6.4804	63.65	-0.65014	0.52634	0.70406	-6.052	10457
AFAP1-AS1	-0.05163	0.051633	0.17702	-0.65009	0.52637	0.70406	-6.052	84740
BRCA1	0.19908	0.19908	0.95601	0.64997	0.52645	0.70411	-6.0521	672
TMEM75	-0.16411	0.16411	0.66937	-0.64967	0.52663	0.70431	-6.0523	641384
AZIN1	0.9014	0.9014	12.034	0.64933	0.52685	0.70449	-6.0525	51582
ISG20L2	0.69783	0.69783	6.8979	0.64928	0.52688	0.70449	-6.0525	81875

SLC6A9	2.4216	2.4216	12.152	0.64926	0.52689	0.70449	-6.0525	6536
CARMIL1	-0.2701	0.2701	3.7217	-0.64871	0.52723	0.70489	-6.0529	55604
LINC01068	-0.0547	0.054697	0.10592	-0.64858	0.52732	0.70492	-6.053	1.04E+08
PET100	4.7289	4.7289	24.682	0.64854	0.52735	0.70492	-6.053	1E+08
ZNF285	0.055845	0.055845	0.20674	0.64822	0.52754	0.70513	-6.0532	26974
PDSS2	-0.1411	0.1411	1.6479	-0.64792	0.52773	0.70533	-6.0534	57107
DENND3	-0.26415	0.26415	1.3295	-0.6477	0.52787	0.70545	-6.0536	22898
ZNF486	0.10857	0.10857	0.60791	0.64764	0.52791	0.70545	-6.0536	90649
ABRAXAS1	-0.18577	0.18577	1.3048	-0.6475	0.52799	0.70551	-6.0537	84142
EXO1	0.12384	0.12384	0.4907	0.64706	0.52827	0.70582	-6.054	9156
CAPN12	0.12857	0.12857	0.60851	0.64701	0.52831	0.70582	-6.054	147968
SCAF11	0.87387	0.87387	9.9898	0.64644	0.52866	0.70624	-6.0544	9169
SH2D3A	0.92178	0.92178	5.364	0.64635	0.52872	0.70625	-6.0544	10045
SIK1B	0.90248	0.90248	5.5929	0.6461	0.52888	0.70625	-6.0546	1.03E+08
LINC01963	-0.11497	0.11497	1.1128	-0.64607	0.52889	0.70625	-6.0546	150967
CRAT	1.5476	1.5476	5.53	0.64607	0.5289	0.70625	-6.0546	1384
ZNF638	-0.59323	0.59323	7.6943	-0.64603	0.52892	0.70625	-6.0546	27332
CPM	0.90978	0.90978	3.8609	0.64602	0.52892	0.70625	-6.0546	1368
NARF	0.79466	0.79466	6.9836	0.64549	0.52926	0.70655	-6.055	26502
UBE3A	0.56888	0.56888	7.7497	0.64546	0.52928	0.70655	-6.055	7337
NECTIN1	9.8888	9.8888	61.181	0.64545	0.52929	0.70655	-6.055	5818
PIH1D1	1.5871	1.5871	10.795	0.6454	0.52931	0.70655	-6.055	55011
EMP3	3.96	3.96	14.003	0.64525	0.52941	0.70656	-6.0551	2014
L3HYPDH	-0.23321	0.23321	1.683	-0.64525	0.52941	0.70656	-6.0551	112849
CREBL2	-0.58395	0.58395	5.2448	-0.64504	0.52954	0.70668	-6.0553	1389
PLEK2	0.82155	0.82155	4.9012	0.64475	0.52972	0.70675	-6.0555	26499

LOC100379224	0.058627	0.058627	0.23251	0.64475	0.52973	0.70675	-6.0555	1E+08
EPS8L2	3.2748	3.2748	20.892	0.64472	0.52975	0.70675	-6.0555	64787
SYPL1	2.1123	2.1123	16.262	0.64469	0.52976	0.70675	-6.0555	6856
CPOX	0.26592	0.26592	2.0785	0.64428	0.53002	0.70695	-6.0558	1371
SMARCAL1	-0.21631	0.21631	2.6069	-0.64427	0.53002	0.70695	-6.0558	50485
MAST3	-0.56533	0.56533	3.0279	-0.64426	0.53003	0.70695	-6.0558	23031
FAM133CP	0.17701	0.17701	0.41813	0.64418	0.53008	0.70696	-6.0558	728640
CA3-AS1	-0.04575	0.045752	0.18852	-0.64371	0.53038	0.70729	-6.0561	1.01E+08
STX17-AS1	-0.12629	0.12629	0.61256	-0.64352	0.5305	0.70736	-6.0563	441461
ITPR3	2.2984	2.2984	15.829	0.6435	0.53051	0.70736	-6.0563	3710
SAMHD1	-1.2956	1.2956	6.3083	-0.64329	0.53064	0.70747	-6.0564	25939
LIPC	-0.05265	0.052645	0.17438	-0.64324	0.53067	0.70747	-6.0564	3990
NSFL1C	1.3323	1.3323	11.934	0.64309	0.53077	0.70753	-6.0565	55968
PDCD1LG2	0.32225	0.32225	1.235	0.64285	0.53092	0.70765	-6.0567	80380
C1QTNF3	-0.255	0.255	0.79781	-0.64274	0.53099	0.70765	-6.0568	114899
CARD18	0.60075	0.60075	1.4923	0.64268	0.53103	0.70765	-6.0568	59082
FOXP4	-0.36788	0.36788	2.6113	-0.64267	0.53103	0.70765	-6.0568	116113
YY1	0.77854	0.77854	10.23	0.64262	0.53107	0.70765	-6.0568	7528
BRMS1L	0.1606	0.1606	1.5082	0.64215	0.53136	0.70799	-6.0571	84312
CPE	2.2176	2.2176	11.879	0.64201	0.53145	0.70805	-6.0572	1363
MPIG6B	-0.04292	0.042923	0.12494	-0.64189	0.53152	0.7081	-6.0573	80739
LINC00519	-0.05996	0.059963	0.13292	-0.64148	0.53178	0.70832	-6.0576	161342
DDX3Y	0.74411	0.74411	5.3231	0.64141	0.53183	0.70832	-6.0576	8653
BAHD1	-0.45852	0.45852	3.4926	-0.6414	0.53184	0.70832	-6.0576	22893
SDHAF2	0.89102	0.89102	7.3141	0.64137	0.53186	0.70832	-6.0576	54949
SSPN	0.43513	0.43513	1.5116	0.64092	0.53214	0.70864	-6.0579	8082

ZNF581	-0.7559	0.7559	5.5584	-0.6407	0.53228	0.70874	-6.0581	51545
KIF15	0.11994	0.11994	0.50771	0.64065	0.5323	0.70874	-6.0581	56992
IMMP1L	-0.15323	0.15323	1.1215	-0.64012	0.53264	0.70911	-6.0584	196294
ANP32E	-0.41417	0.41417	3.7158	-0.64008	0.53266	0.70911	-6.0585	81611
C16orf54	0.13424	0.13424	0.61123	0.63989	0.53278	0.70922	-6.0586	283897
PCNX3	-0.90774	0.90774	7.5067	-0.63971	0.5329	0.70924	-6.0587	399909
PPP1R12C	-1.8191	1.8191	11.271	-0.63966	0.53293	0.70924	-6.0587	54776
PDCL	0.25858	0.25858	2.7222	0.63966	0.53293	0.70924	-6.0587	5082
ZNF382	0.05819	0.05819	0.18097	0.63952	0.53302	0.70931	-6.0588	84911
TMEM262	-0.04806	0.048056	0.089201	-0.63926	0.53319	0.70947	-6.059	1E+08
SYT7	-0.16866	0.16866	0.97469	-0.63881	0.53347	0.70979	-6.0593	9066
NFKBIA	3.7058	3.7058	40.693	0.63864	0.53357	0.70988	-6.0594	4792
C12orf73	0.10975	0.10975	0.79404	0.63826	0.53382	0.71014	-6.0596	728568
BCL2L11	-0.24659	0.24659	1.8942	-0.63795	0.53401	0.71034	-6.0598	10018
MICU3	-0.07365	0.073646	0.3717	-0.63767	0.53419	0.71052	-6.06	286097
RPL5	31.673	31.673	229.14	0.63729	0.53442	0.71078	-6.0603	6125
STC2	-0.42496	0.42496	0.74089	-0.63711	0.53454	0.71088	-6.0604	8614
ST20-AS1	-0.15769	0.15769	1.0726	-0.63697	0.53463	0.71089	-6.0605	283687
KIF26B-AS1	0.05717	0.05717	0.14508	0.63697	0.53463	0.71089	-6.0605	1.11E+08
CLHC1	-0.06103	0.061028	0.28118	-0.63681	0.53473	0.71097	-6.0606	130162
MYO1G	0.35495	0.35495	1.614	0.63673	0.53478	0.71098	-6.0606	64005
HNRNPK	6.87	6.87	55.302	0.63648	0.53494	0.71113	-6.0608	3190
PAQR4	0.55203	0.55203	3.1128	0.63637	0.53501	0.71117	-6.0609	124222
ACO2	-1.0375	1.0375	12.69	-0.6363	0.53505	0.71117	-6.0609	50
TTC3-AS1	-0.06517	0.065172	0.19469	-0.63624	0.53509	0.71117	-6.0609	1.01E+08
APEX2	0.76197	0.76197	5.4376	0.63608	0.53519	0.71125	-6.061	27301

PSD3	0.25154	0.25154	2.3993	0.63595	0.53528	0.7113	-6.0611	23362
ADAL	-0.07246	0.072464	0.46933	-0.63566	0.53546	0.71149	-6.0613	161823
ELN	-4.3007	4.3007	12.914	-0.63559	0.5355	0.71149	-6.0614	2006
COG4	0.67272	0.67272	6.6556	0.63535	0.53565	0.71153	-6.0615	25839
LOC101927021	-0.09561	0.095606	0.47401	-0.63528	0.5357	0.71153	-6.0615	1.02E+08
MT1A	-0.13681	0.13681	0.32263	-0.63522	0.53574	0.71153	-6.0616	4489
KIDINS220	-0.30533	0.30533	4.5796	-0.63514	0.53579	0.71153	-6.0616	57498
DHH	0.079251	0.079251	0.21152	0.63506	0.53584	0.71153	-6.0617	50846
LOC101929188	0.092348	0.092348	0.55845	0.63505	0.53585	0.71153	-6.0617	1.02E+08
SLC43A2	-0.47087	0.47087	2.242	-0.63503	0.53586	0.71153	-6.0617	124935
ZBTB33	-0.3496	0.3496	3.2239	-0.63501	0.53587	0.71153	-6.0617	10009
LDHAL6B	0.17985	0.17985	0.62267	0.6343	0.53632	0.71207	-6.0622	92483
VPS9D1	-0.43361	0.43361	3.1185	-0.63418	0.5364	0.71207	-6.0623	9605
SEC24B	0.63628	0.63628	7.27	0.63416	0.53641	0.71207	-6.0623	10427
GMEB2	-0.25478	0.25478	2.4214	-0.63399	0.53651	0.71216	-6.0624	26205
ATRX	-0.44484	0.44484	4.0795	-0.63383	0.53661	0.7122	-6.0625	546
RPL11	41.511	41.511	226.96	0.63381	0.53663	0.7122	-6.0625	6135
SLX4	-0.12859	0.12859	0.94248	-0.63369	0.5367	0.71224	-6.0626	84464
SNORA71C	-0.48137	0.48137	1.3782	-0.63338	0.5369	0.71238	-6.0628	677839
LINC01537	-0.05441	0.054407	0.23998	-0.63332	0.53694	0.71238	-6.0628	1.02E+08
RPSAP58	-0.2159	0.2159	1.3084	-0.63331	0.53694	0.71238	-6.0628	388524
PKNOX2	-0.11407	0.11407	0.3828	-0.63327	0.53697	0.71238	-6.0628	63876
DHTKD1	-0.23583	0.23583	2.5815	-0.63298	0.53716	0.71256	-6.063	55526
MBP	-0.38713	0.38713	4.0719	-0.63292	0.5372	0.71256	-6.0631	4155
SMG7	0.68672	0.68672	7.0344	0.63261	0.53739	0.71273	-6.0633	9887
RAC3	-0.4546	0.4546	2.0833	-0.63246	0.53749	0.71273	-6.0633	5881

TXK	-0.04974	0.049741	0.25737	-0.6324	0.53752	0.71273	-6.0634	7294
RAB3GAP1	0.73511	0.73511	7.3374	0.63227	0.53761	0.71273	-6.0635	22930
HSPA2	6.3528	6.3528	20.037	0.63222	0.53764	0.71273	-6.0635	3306
RHBDL2	0.66186	0.66186	3.658	0.63218	0.53766	0.71273	-6.0635	54933
HBS1L	0.18442	0.18442	2.3006	0.63215	0.53768	0.71273	-6.0635	10767
SERPINB12	33.502	33.502	65.942	0.63214	0.53769	0.71273	-6.0635	89777
NECAB3	-0.31066	0.31066	2.0255	-0.63204	0.53775	0.71273	-6.0636	63941
TSPO	12.045	12.045	71.166	0.63196	0.5378	0.71273	-6.0637	706
APOC2	-0.07208	0.072079	0.19766	-0.63192	0.53783	0.71273	-6.0637	344
DKK3	2.7457	2.7457	11.289	0.63191	0.53783	0.71273	-6.0637	27122
ECEL1	-0.21798	0.21798	0.29989	-0.63184	0.53788	0.71274	-6.0637	9427
FGL2	-0.70612	0.70612	3.8464	-0.6317	0.53797	0.71276	-6.0638	10875
UNC13B	0.73788	0.73788	7.4954	0.63168	0.53798	0.71276	-6.0638	10497
LMO2	-0.48385	0.48385	3.0371	-0.63144	0.53813	0.7129	-6.064	4005
ST3GAL2	0.58097	0.58097	3.2345	0.63129	0.53823	0.71298	-6.0641	6483
CENPU	0.41196	0.41196	2.3919	0.63073	0.53858	0.71339	-6.0644	79682
CA5B	-0.16045	0.16045	1.3453	-0.63042	0.53878	0.7136	-6.0646	11238
TBX2-AS1	-0.19754	0.19754	0.68706	-0.63023	0.5389	0.7137	-6.0648	1.04E+08
MIR3142HG	-0.06038	0.060379	0.20395	-0.63013	0.53897	0.71373	-6.0648	1.07E+08
PKIB	-0.05713	0.057129	0.37417	-0.63002	0.53903	0.71376	-6.0649	5570
SLC35E3	-0.11801	0.11801	1.523	-0.62992	0.5391	0.71379	-6.065	55508
EXOC1	0.49363	0.49363	6.21	0.62926	0.53952	0.7143	-6.0654	55763
SF3B4	1.5956	1.5956	13.743	0.62885	0.53978	0.71458	-6.0656	10262
ADNP	-0.5595	0.5595	8.7163	-0.62859	0.53995	0.71475	-6.0658	23394
C1orf56	-0.1153	0.1153	1.3033	-0.6281	0.54026	0.7151	-6.0661	54964
PTGDR	-0.08324	0.083239	0.23842	-0.62761	0.54056	0.71541	-6.0664	5729

HMSD	-0.04816	0.048163	0.14329	-0.62754	0.54061	0.71541	-6.0665	284293
RIOX2	0.33699	0.33699	3.2445	0.62754	0.54061	0.71541	-6.0665	84864
RAPGEF2	0.27619	0.27619	3.9565	0.62725	0.54079	0.71559	-6.0666	9693
HCST	-0.70752	0.70752	2.8505	-0.62716	0.54085	0.71561	-6.0667	10870
FBXO25	0.34898	0.34898	4.0887	0.62708	0.5409	0.71562	-6.0667	26260
SREK1	-0.27007	0.27007	3.1575	-0.62691	0.54101	0.71571	-6.0669	140890
LCA5	0.073042	0.073042	0.41465	0.62651	0.54127	0.71594	-6.0671	167691
JOSD1	0.68718	0.68718	6.9774	0.62641	0.54133	0.71594	-6.0672	9929
NDUF8	1.018	1.018	5.0882	0.6264	0.54134	0.71594	-6.0672	284184
RPS13	38.715	38.715	265.31	0.62637	0.54136	0.71594	-6.0672	6207
FAU	28.428	28.428	184.19	0.62625	0.54143	0.71594	-6.0673	2197
ZNF585A	-0.07564	0.075635	0.62704	-0.62621	0.54146	0.71594	-6.0673	199704
PER2	-0.99784	0.99784	5.8761	-0.62614	0.5415	0.71594	-6.0673	8864
ZNF117	0.17909	0.17909	1.1472	0.62611	0.54152	0.71594	-6.0674	51351
ARL16	-0.34179	0.34179	3.4293	-0.62588	0.54167	0.71599	-6.0675	339231
STK11IP	-0.42157	0.42157	3.0118	-0.62586	0.54168	0.71599	-6.0675	114790
LOC730202	-0.06609	0.066086	0.22923	-0.62574	0.54176	0.71599	-6.0676	730202
CHRNE	-0.15388	0.15388	0.69892	-0.62573	0.54176	0.71599	-6.0676	1145
MS4A7	1.0505	1.0505	3.136	0.62571	0.54177	0.71599	-6.0676	58475
GSAP	-0.14963	0.14963	1.387	-0.62561	0.54184	0.71602	-6.0677	54103
AMZ2	0.62308	0.62308	5.0966	0.62546	0.54193	0.71609	-6.0678	51321
TKT	3.9001	3.9001	20.851	0.62505	0.5422	0.71638	-6.068	7086
MIR378J	-0.06358	0.06358	0.1368	-0.62492	0.54228	0.71643	-6.0681	1.02E+08
LOC101927151	0.046082	0.046082	0.23601	0.62443	0.54259	0.71679	-6.0684	1.02E+08
CACTIN-AS1	-0.05875	0.058752	0.17885	-0.62433	0.54265	0.71679	-6.0685	404665
DGKQ	-0.44559	0.44559	2.9278	-0.62429	0.54268	0.71679	-6.0685	1609

C12orf45	-0.40709	0.40709	3.2403	-0.62415	0.54277	0.71686	-6.0686	121053
ZNF639	0.2435	0.2435	2.1382	0.62399	0.54287	0.71693	-6.0687	51193
CNTF	0.060241	0.060241	0.19116	0.62385	0.54296	0.717	-6.0688	1270
LOC101927752	0.40372	0.40372	2.4763	0.62368	0.54307	0.71708	-6.0689	1.02E+08
PRAF2	0.96348	0.96348	3.7604	0.62355	0.54315	0.71714	-6.069	11230
HNRNPL	4.6152	4.6152	42.436	0.62331	0.5433	0.71728	-6.0691	3191
F2R	0.8701	0.8701	6.6878	0.62324	0.54335	0.71729	-6.0692	2149
ADH7	0.33527	0.33527	0.75224	0.62306	0.54347	0.71738	-6.0693	131
RNASEH2C	0.63434	0.63434	3.5603	0.62295	0.54353	0.71742	-6.0693	84153
PRKAB1	-0.33169	0.33169	3.3206	-0.62276	0.54365	0.71747	-6.0695	5564
LRRC25	0.47298	0.47298	1.4487	0.62275	0.54366	0.71747	-6.0695	126364
CXXC5	0.42219	0.42219	3.7922	0.62258	0.54377	0.7175	-6.0696	51523
ZNF787	-0.62936	0.62936	4.0659	-0.62246	0.54385	0.7175	-6.0697	126208
LOC102723335	-0.06273	0.062726	0.17709	-0.62246	0.54385	0.7175	-6.0697	1.03E+08
GSTM3	-0.38815	0.38815	2.6606	-0.62245	0.54385	0.7175	-6.0697	2947
IDI2-AS1	0.15872	0.15872	0.6	0.62237	0.54391	0.71752	-6.0697	55853
ENTPD5	-0.08888	0.088883	1.445	-0.62197	0.54416	0.71779	-6.07	957
IPO5	1.2036	1.2036	10.086	0.62189	0.54421	0.71781	-6.07	3843
ASAP3	-2.4206	2.4206	9.3843	-0.62178	0.54428	0.71784	-6.0701	55616
PPP1R27	-0.08705	0.087048	0.19949	-0.62172	0.54432	0.71784	-6.0701	116729
THUMPD2	-0.16101	0.16101	1.5582	-0.62161	0.54439	0.71788	-6.0702	80745
ARL14EP	0.33766	0.33766	2.4876	0.62153	0.54444	0.71788	-6.0702	120534
KHSRP	-2.1745	2.1745	17.868	-0.62138	0.54454	0.71795	-6.0703	8570
BNC2	0.27883	0.27883	1.0676	0.62125	0.54462	0.71797	-6.0704	54796
GINS3	0.21053	0.21053	1.88	0.62123	0.54464	0.71797	-6.0704	64785
ANKRD49	0.19706	0.19706	1.67	0.6211	0.54471	0.71802	-6.0705	54851

TTC7A	-0.56753	0.56753	4.2761	-0.62086	0.54487	0.71815	-6.0707	57217
MAP3K7	0.32338	0.32338	4.1482	0.62079	0.54492	0.71815	-6.0707	6885
PDXP	0.25798	0.25798	1.3294	0.62075	0.54494	0.71815	-6.0707	57026
TMX2	1.2717	1.2717	12.404	0.62064	0.54501	0.71818	-6.0708	51075
NDUFC2-KCTD14	-0.1783	0.1783	0.84833	-0.62024	0.54526	0.71846	-6.071	1.01E+08
HHLA3	-0.16499	0.16499	1.3055	-0.62006	0.54538	0.71846	-6.0712	11147
FANCD2	-0.13503	0.13503	0.97714	-0.62	0.54542	0.71846	-6.0712	2177
PLOD3	1.0437	1.0437	5.4045	0.61996	0.54544	0.71846	-6.0712	8985
SNORA5C	-0.09977	0.09977	0.37325	-0.61996	0.54544	0.71846	-6.0712	677796
DAXX	0.19626	0.19626	1.6375	0.61991	0.54548	0.71846	-6.0712	1616
E2F1	0.1533	0.1533	1.2496	0.61974	0.54558	0.71855	-6.0714	1869
DLG4	0.24709	0.24709	1.1312	0.61961	0.54567	0.7186	-6.0714	1742
SZT2-AS1	-0.0515	0.051504	0.16701	-0.61911	0.54599	0.71897	-6.0717	1.01E+08
SPACA9	0.31051	0.31051	2.6007	0.61893	0.54611	0.71902	-6.0719	11092
NFATC1	0.36022	0.36022	2.565	0.61892	0.54611	0.71902	-6.0719	4772
SH3BP5	-1.1412	1.1412	5.5046	-0.61881	0.54618	0.71905	-6.0719	9467
SLC23A3	-0.09506	0.095059	0.38048	-0.61875	0.54622	0.71905	-6.072	151295
NCKIPSD	0.5532	0.5532	4.1001	0.61845	0.54641	0.71925	-6.0722	51517
CXCL11	-0.11145	0.11145	0.20291	-0.61788	0.54677	0.71967	-6.0725	6373
TNFRSF4	0.21483	0.21483	0.75859	0.61782	0.54681	0.71967	-6.0725	7293
PUS1	-0.49744	0.49744	3.0892	-0.61766	0.54691	0.71974	-6.0726	80324
CDH13	-0.7267	0.7267	7.6928	-0.61743	0.54707	0.71985	-6.0728	1012
SSR2	6.6189	6.6189	38.088	0.6174	0.54709	0.71985	-6.0728	6746
CEP85L	-0.12729	0.12729	0.70898	-0.6168	0.54747	0.7203	-6.0732	387119
SCAPER	-0.40337	0.40337	3.4778	-0.61667	0.54755	0.72035	-6.0733	49855
ERGIC1	1.4097	1.4097	14.303	0.61645	0.54769	0.72048	-6.0734	57222

PLGRKT	0.76025	0.76025	4.1144	0.61621	0.54784	0.72059	-6.0735	55848
NQO2	-0.72934	0.72934	5.2786	-0.61619	0.54786	0.72059	-6.0736	4835
ZNF140	-0.16442	0.16442	1.755	-0.61608	0.54793	0.72062	-6.0736	7699
TRPM6	0.059317	0.059317	0.32706	0.61579	0.54812	0.72078	-6.0738	140803
CRNKL1	0.27462	0.27462	2.9387	0.61573	0.54815	0.72078	-6.0738	51340
PNKD	-0.47337	0.47337	2.4621	-0.61569	0.54818	0.72078	-6.0739	25953
CYBB	1.5301	1.5301	5.8414	0.6156	0.54823	0.72078	-6.0739	1536
ENTPD1	0.43369	0.43369	3.0044	0.61553	0.54828	0.72078	-6.074	953
SELENON	-3.561	3.561	15.428	-0.61549	0.54831	0.72078	-6.074	57190
PSMB3	6.3663	6.3663	34.91	0.61512	0.54854	0.72104	-6.0742	5691
TMEM161B	-0.11178	0.11178	1.1345	-0.61503	0.5486	0.72106	-6.0743	153396
DCP2	0.2233	0.2233	2.3624	0.61434	0.54905	0.72154	-6.0747	167227
ZDHHC23	-0.15594	0.15594	0.92806	-0.61432	0.54906	0.72154	-6.0747	254887
SAMD4A	0.69776	0.69776	3.0442	0.61426	0.54909	0.72154	-6.0748	23034
CRISP3	-0.13966	0.13966	0.33705	-0.61407	0.54921	0.72161	-6.0749	10321
LYN	1.0817	1.0817	4.3256	0.61405	0.54923	0.72161	-6.0749	4067
CCDC88B	-0.13543	0.13543	0.70519	-0.61396	0.54929	0.72163	-6.0749	283234
ZNF71	-0.16543	0.16543	1.4513	-0.61381	0.54938	0.72165	-6.075	58491
MCM5	-1.083	1.083	6.1343	-0.61377	0.54941	0.72165	-6.0751	4174
NIT2	1.2428	1.2428	9.0882	0.6137	0.54945	0.72165	-6.0751	56954
VSTM4	0.48674	0.48674	2.1621	0.61363	0.5495	0.72165	-6.0751	196740
COL4A2-AS2	0.14292	0.14292	0.32657	0.6136	0.54952	0.72165	-6.0752	1E+08
HYOU1	2.3541	2.3541	11.382	0.61344	0.54962	0.72172	-6.0753	10525
FUBP1	-1.0525	1.0525	8.9427	-0.61331	0.5497	0.72178	-6.0753	8880
MIER2	-0.51761	0.51761	4.5773	-0.61296	0.54993	0.72202	-6.0756	54531
DDX49	-0.91985	0.91985	7.5084	-0.61286	0.55	0.72205	-6.0756	54555

SLC7A7	0.36864	0.36864	1.471	0.61271	0.55009	0.72212	-6.0757	9056
SCAMP5	-0.50102	0.50102	1.0406	-0.61262	0.55015	0.72214	-6.0758	192683
TMEM198	-0.1153	0.1153	0.46781	-0.61207	0.5505	0.72255	-6.0761	130612
POLQ	0.078726	0.078726	0.41859	0.61185	0.55064	0.72268	-6.0762	10721
CLEC4G	-0.59664	0.59664	0.89346	-0.61167	0.55076	0.72271	-6.0763	339390
TMED1	0.63997	0.63997	4.0138	0.61165	0.55077	0.72271	-6.0764	11018
SNORA62	-0.10633	0.10633	0.42733	-0.6116	0.55081	0.72271	-6.0764	6044
AGAP11	-0.28854	0.28854	1.5264	-0.61149	0.55087	0.72271	-6.0765	119385
ZNHIT1	2.1092	2.1092	13.164	0.61136	0.55096	0.72271	-6.0765	10467
THNSL2	-0.46098	0.46098	1.67	-0.61135	0.55096	0.72271	-6.0765	55258
STAG3L4	0.10876	0.10876	1.7277	0.61135	0.55097	0.72271	-6.0766	64940
UBALD2	2.2243	2.2243	14.157	0.61127	0.55102	0.72272	-6.0766	283991
CDK5	0.55535	0.55535	2.8625	0.61112	0.55112	0.72279	-6.0767	1020
DOK4	1.3679	1.3679	9.261	0.61087	0.55128	0.72289	-6.0768	55715
EHD4-AS1	0.12058	0.12058	0.44882	0.61083	0.5513	0.72289	-6.0769	1.02E+08
MID1	0.10957	0.10957	1.2042	0.61079	0.55132	0.72289	-6.0769	4281
ACAT1	0.55397	0.55397	5.3342	0.61051	0.5515	0.72307	-6.0771	38
RPS27	52.37	52.37	279.35	0.61044	0.55155	0.72307	-6.0771	6232
PDXDC1	-0.6704	0.6704	6.8885	-0.61039	0.55158	0.72307	-6.0771	23042
ZNF672	0.3269	0.3269	4.2187	0.61014	0.55174	0.72322	-6.0773	79894
PLA1A	-0.1009	0.1009	0.21613	-0.60989	0.5519	0.72332	-6.0774	51365
GAK	-0.94453	0.94453	9.0549	-0.60989	0.5519	0.72332	-6.0774	2580
DHRS11	0.38123	0.38123	2.777	0.60962	0.55207	0.72349	-6.0776	79154
KCTD17	-0.2841	0.2841	2.003	-0.60946	0.55218	0.72356	-6.0777	79734
NADK	0.70812	0.70812	6.4163	0.60935	0.55225	0.72356	-6.0778	65220
AIFM1	-0.33828	0.33828	2.4861	-0.60934	0.55226	0.72356	-6.0778	9131

COG2	-0.32019	0.32019	3.4207	-0.6089	0.55254	0.72383	-6.0781	22796
IL15	-0.08914	0.089144	0.38597	-0.60886	0.55257	0.72383	-6.0781	3600
CCDC170	-0.04921	0.049211	0.20863	-0.60876	0.55263	0.72383	-6.0781	80129
CRYBG1	6.3299	6.3299	30.228	0.60876	0.55263	0.72383	-6.0781	202
CHD7	-0.20086	0.20086	3.6397	-0.60834	0.5529	0.72406	-6.0784	55636
CD99L2	-0.69963	0.69963	3.9108	-0.60826	0.55296	0.72406	-6.0784	83692
KCNJ15	0.94108	0.94108	3.5307	0.60822	0.55298	0.72406	-6.0785	3772
MLST8	-0.47001	0.47001	4.0415	-0.60821	0.55298	0.72406	-6.0785	64223
LOC339666	-0.06018	0.060178	0.16358	-0.608	0.55312	0.72418	-6.0786	339666
CEBPA	3.7924	3.7924	18.744	0.60777	0.55327	0.72427	-6.0787	1050
CCDC137	-0.75899	0.75899	5.4431	-0.60777	0.55327	0.72427	-6.0787	339230
KTI12	0.30243	0.30243	2.2491	0.60762	0.55337	0.72434	-6.0788	112970
RARA	-0.6456	0.6456	4.2206	-0.60744	0.55348	0.72438	-6.0789	5914
GEM	0.86183	0.86183	3.64	0.60743	0.55349	0.72438	-6.079	2669
PLCB1	0.16564	0.16564	0.93427	0.60727	0.55359	0.72446	-6.079	23236
DDX47	0.72726	0.72726	7.4619	0.60704	0.55374	0.7246	-6.0792	51202
CSNK1G2-AS1	-0.07972	0.079715	0.28874	-0.60671	0.55395	0.72482	-6.0794	255193
BLOC1S3	0.82026	0.82026	4.0717	0.60645	0.55412	0.72486	-6.0796	388552
ISY1-RAB43	-0.39325	0.39325	3.0286	-0.60643	0.55413	0.72486	-6.0796	1.01E+08
FGD1	0.36812	0.36812	2.7234	0.60642	0.55414	0.72486	-6.0796	2245
TPO	-0.17586	0.17586	0.4559	-0.6064	0.55415	0.72486	-6.0796	7173
NKAP	0.36712	0.36712	2.7663	0.60589	0.55448	0.72523	-6.0799	79576
ACTA2	13.791	13.791	51.952	0.60578	0.55455	0.72527	-6.08	59
INTS10	-0.6975	0.6975	7.4855	-0.60538	0.55481	0.72555	-6.0802	55174
AMPD2	0.40571	0.40571	3.1118	0.60507	0.55501	0.7257	-6.0804	271
MIR5194	-0.06674	0.066739	0.17589	-0.60507	0.55501	0.7257	-6.0804	1.01E+08

POP7	1.4771	1.4771	9.8316	0.60499	0.55506	0.72571	-6.0804	10248
KIAA0319L	-0.55147	0.55147	6.8382	-0.60437	0.55546	0.72618	-6.0808	79932
CCDC120	1.355	1.355	8.4619	0.60422	0.55556	0.72622	-6.0809	90060
NCS1	0.55799	0.55799	5.8651	0.60417	0.55559	0.72622	-6.0809	23413
CUEDC2	-1.1436	1.1436	6.5787	-0.60412	0.55562	0.72622	-6.081	79004
SHISA5	-4.1102	4.1102	16.01	-0.60378	0.55584	0.72645	-6.0812	51246
BNIPL	4.9839	4.9839	27.114	0.60362	0.55595	0.72653	-6.0813	149428
RFX1	-0.23162	0.23162	2.2386	-0.60334	0.55613	0.72666	-6.0814	5989
KLK6	-5.444	5.444	7.2758	-0.6033	0.55616	0.72666	-6.0815	5653
DAAM2	-0.64166	0.64166	2.8915	-0.60326	0.55618	0.72666	-6.0815	23500
KCNIP2-AS1	-0.06273	0.062733	0.17414	-0.6032	0.55622	0.72666	-6.0815	1E+08
SERF1B	0.089824	0.089824	0.5556	0.60302	0.55633	0.72669	-6.0816	728492
BLMH	6.5819	6.5819	17.446	0.60297	0.55637	0.72669	-6.0817	642
SCAMP4	-1.298	1.298	10.348	-0.60291	0.55641	0.72669	-6.0817	113178
SPRED2	-0.40435	0.40435	3.6786	-0.6029	0.55641	0.72669	-6.0817	200734
ANG	-0.23534	0.23534	1.6273	-0.60275	0.55651	0.72669	-6.0818	283
RNF215	-0.29926	0.29926	1.5423	-0.60262	0.5566	0.72669	-6.0819	200312
SDK1	-0.53484	0.53484	2.4411	-0.6026	0.55661	0.72669	-6.0819	221935
FZD6	0.87402	0.87402	7.787	0.60257	0.55662	0.72669	-6.0819	8323
CYP2R1	0.44366	0.44366	2.6691	0.60252	0.55666	0.72669	-6.0819	120227
RELN	-0.11246	0.11246	0.63693	-0.6025	0.55667	0.72669	-6.082	5649
HAPLN3	0.78125	0.78125	3.4937	0.60203	0.55697	0.727	-6.0822	145864
C20orf202	0.050437	0.050437	0.19277	0.60199	0.557	0.727	-6.0823	400831
TMIGD3	-0.09652	0.096521	0.19322	-0.60191	0.55705	0.727	-6.0823	57413
PPL	9.1424	9.1424	55.776	0.60187	0.55708	0.727	-6.0823	5493
CEACAM1	0.27248	0.27248	1.2557	0.60114	0.55755	0.72749	-6.0828	634

NCOA7-AS1	-0.0486	0.0486	0.13691	-0.60113	0.55755	0.72749	-6.0828	1.04E+08
ADGRE5	0.71622	0.71622	4.3914	0.60109	0.55758	0.72749	-6.0828	976
MIS18BP1	0.19518	0.19518	1.7629	0.60097	0.55766	0.72753	-6.0829	55320
KDM5C	-1.0791	1.0791	10.396	-0.60079	0.55778	0.72763	-6.083	8242
GANC	-0.17521	0.17521	3.0047	-0.60019	0.55816	0.72808	-6.0834	2595
OSGEP	-0.43582	0.43582	3.4585	-0.60008	0.55824	0.7281	-6.0834	55644
RPS16P5	-0.10792	0.10792	0.52658	-0.59997	0.55831	0.7281	-6.0835	647190
NECAP1	-0.2731	0.2731	3.6024	-0.59991	0.55834	0.7281	-6.0835	25977
FDX1	-0.23103	0.23103	2.2113	-0.59989	0.55836	0.7281	-6.0835	2230
SIGLEC10	-0.29584	0.29584	0.63385	-0.59953	0.55859	0.72835	-6.0838	89790
XBP1	2.9682	2.9682	28.927	0.5994	0.55868	0.72841	-6.0838	7494
NCR3LG1	-0.10723	0.10723	0.64654	-0.59929	0.55875	0.72844	-6.0839	374383
LRP1	-6.8066	6.8066	37.802	-0.59921	0.5588	0.72846	-6.084	4035
PYCARD	6.2438	6.2438	29.286	0.59913	0.55885	0.72846	-6.084	29108
CMTM2	0.20947	0.20947	0.45282	0.59894	0.55897	0.72857	-6.0841	146225
MAGEL2	0.053581	0.053581	0.11851	0.59888	0.55901	0.72857	-6.0841	54551
PTAR1	-0.28331	0.28331	2.6509	-0.59859	0.5592	0.72874	-6.0843	375743
RNASEH1-AS1	0.13475	0.13475	0.67299	0.59854	0.55923	0.72874	-6.0844	1.01E+08
EPHB4	-2.1145	2.1145	14.687	-0.59836	0.55935	0.72883	-6.0845	2050
IL17RB	-0.05251	0.052513	0.40651	-0.59817	0.55947	0.72894	-6.0846	55540
GNA14	-0.1414	0.1414	0.64337	-0.59803	0.55956	0.72895	-6.0847	9630
CLEC10A	-0.20773	0.20773	1.3173	-0.59802	0.55957	0.72895	-6.0847	10462
OLFML3	2.5946	2.5946	9.6097	0.59791	0.55964	0.72899	-6.0847	56944
ITM2C	1.3504	1.3504	6.1217	0.59737	0.55999	0.72934	-6.0851	81618
OAZ2	1.6936	1.6936	14.928	0.59736	0.56	0.72934	-6.0851	4947
COL13A1	0.40827	0.40827	1.7247	0.59713	0.56015	0.72948	-6.0852	1305

TMEM259	-3.7259	3.7259	27.616	-0.59681	0.56035	0.72969	-6.0854	91304
CCNH	-0.1832	0.1832	2.2072	-0.59665	0.56046	0.72977	-6.0855	902
IDO1	-0.14176	0.14176	1.0395	-0.59654	0.56053	0.7298	-6.0856	3620
TRIM29	31.046	31.046	220.83	0.59643	0.5606	0.7298	-6.0856	23650
PRMT6	-0.21305	0.21305	2.1032	-0.59641	0.56061	0.7298	-6.0856	55170
DTWD1	-0.26687	0.26687	1.7983	-0.59635	0.56065	0.7298	-6.0857	56986
SF3B3	-0.80821	0.80821	8.5787	-0.59615	0.56078	0.72991	-6.0858	23450
RNF34	0.45891	0.45891	4.8163	0.59577	0.56103	0.73018	-6.086	80196
SLC6A8	-2.2306	2.2306	11.102	-0.5957	0.56108	0.73018	-6.0861	6535
ZBTB41	0.13964	0.13964	1.1307	0.59539	0.56128	0.73039	-6.0863	360023
MATN3	0.05769	0.05769	0.24287	0.59528	0.56135	0.73042	-6.0863	4148
STRADB	-0.2034	0.2034	1.4161	-0.59493	0.56157	0.73066	-6.0865	55437
RBM8A	-0.80342	0.80342	8.4223	-0.59482	0.56165	0.7307	-6.0866	9939
SFT2D3	-0.22319	0.22319	2.3365	-0.5947	0.56172	0.73074	-6.0867	84826
C17orf107	0.13826	0.13826	1.1779	0.59437	0.56194	0.73086	-6.0869	1E+08
DHCR24	-8.5747	8.5747	51.548	-0.59428	0.562	0.73086	-6.0869	1718
C9orf116	-0.08494	0.084943	0.31984	-0.59424	0.56202	0.73086	-6.0869	138162
NUBP2	-1.1678	1.1678	7.7181	-0.59424	0.56203	0.73086	-6.0869	10101
DLX3	2.1938	2.1938	9.5081	0.59423	0.56203	0.73086	-6.0869	1747
BCKDHA	0.8575	0.8575	8.6613	0.59414	0.56209	0.73088	-6.087	593
ZNF501	-0.09969	0.099687	0.56345	-0.59408	0.56213	0.73088	-6.087	115560
CLIP3	-0.46151	0.46151	1.8472	-0.594	0.56218	0.73089	-6.0871	25999
TBRG4	0.69509	0.69509	6.9569	0.59384	0.56228	0.73096	-6.0872	9238
ATRIP	0.12155	0.12155	1.0771	0.59325	0.56267	0.73139	-6.0875	84126
TBC1D15	-0.31445	0.31445	3.0084	-0.59321	0.5627	0.73139	-6.0876	64786
TAP2	-0.11593	0.11593	0.73469	-0.59295	0.56286	0.73155	-6.0877	6891

UBE4B	-0.69032	0.69032	9.0288	-0.59271	0.56302	0.73167	-6.0879	10277
CD2	0.18529	0.18529	0.95318	0.59258	0.5631	0.73167	-6.0879	914
NFXL1	-0.13808	0.13808	1.9844	-0.59258	0.5631	0.73167	-6.0879	152518
SLAMF8	0.44354	0.44354	1.6705	0.59254	0.56313	0.73167	-6.088	56833
GM2A	9.8907	9.8907	46.463	0.59237	0.56324	0.7317	-6.0881	2760
RASGRF2	0.16864	0.16864	0.71975	0.59237	0.56324	0.7317	-6.0881	5924
ECH1	3.2659	3.2659	23.343	0.59115	0.56403	0.73264	-6.0888	1891
TRAIP	-0.09538	0.095375	0.5847	-0.59113	0.56405	0.73264	-6.0888	10293
NMRAL1	0.82998	0.82998	6.6539	0.59094	0.56417	0.73271	-6.0889	57407
SLC7A6	-0.232	0.232	3.4963	-0.59091	0.56419	0.73271	-6.0889	9057
SEPT5-GP1BB	-1.4337	1.4337	6.3265	-0.59079	0.56427	0.73272	-6.089	1.01E+08
MRPL21	1.8068	1.8068	10.731	0.59077	0.56428	0.73272	-6.089	219927
LST1	0.077104	0.077104	0.28357	0.59058	0.56441	0.73282	-6.0891	7940
ZNF385D	-0.22065	0.22065	1.1662	-0.59016	0.56468	0.73311	-6.0894	79750
CYGB	-1.1309	1.1309	4.5252	-0.5901	0.56472	0.73311	-6.0894	114757
USPL1	-0.13158	0.13158	1.4427	-0.58988	0.56486	0.73315	-6.0895	10208
CD302	0.4729	0.4729	2.2143	0.58987	0.56487	0.73315	-6.0895	9936
CCNT1	-0.2234	0.2234	3.1987	-0.58986	0.56488	0.73315	-6.0896	904
FBXO4	-0.265	0.265	1.7835	-0.58975	0.56494	0.73318	-6.0896	26272
IDH1-AS1	0.048575	0.048575	0.134	0.58966	0.56501	0.73321	-6.0897	1.01E+08
TOLLIP	2.3832	2.3832	18.382	0.58952	0.5651	0.73327	-6.0898	54472
HP1BP3	1.2011	1.2011	18.071	0.58941	0.56517	0.7333	-6.0898	50809
SOS1	0.29158	0.29158	3.7652	0.58913	0.56535	0.73348	-6.09	6654
GLTPD2	0.16569	0.16569	1.2489	0.58895	0.56547	0.73358	-6.0901	388323
C15orf40	-0.16712	0.16712	1.4081	-0.58855	0.56573	0.73382	-6.0903	123207
PPP1R8	0.52489	0.52489	5.1473	0.58853	0.56574	0.73382	-6.0903	5511

PDIA4	2.6842	2.6842	15.661	0.58823	0.56593	0.73401	-6.0905	9601
ANAPC4	-0.28586	0.28586	3.2845	-0.58786	0.56618	0.73423	-6.0907	29945
GOLIM4	0.60496	0.60496	4.6892	0.58785	0.56618	0.73423	-6.0907	27333
CRYBG2	1.3839	1.3839	9.1056	0.58774	0.56626	0.73426	-6.0908	55057
MUC15	1.721	1.721	4.6506	0.58749	0.56642	0.73442	-6.091	143662
TRIM58	0.053875	0.053875	0.17654	0.58685	0.56684	0.73484	-6.0913	25893
AIF1	0.45167	0.45167	1.3073	0.58681	0.56686	0.73484	-6.0914	199
WDR89	-0.14009	0.14009	1.1259	-0.58677	0.56689	0.73484	-6.0914	112840
ASB1	-0.25678	0.25678	2.3274	-0.58669	0.56694	0.73484	-6.0914	51665
ATP2B4	-1.9207	1.9207	23.784	-0.58658	0.56701	0.73484	-6.0915	493
LRRC3	-0.12022	0.12022	0.69851	-0.58653	0.56705	0.73484	-6.0915	81543
WDHD1	0.16408	0.16408	1.0576	0.58652	0.56705	0.73484	-6.0915	11169
ADAMTS7	0.48998	0.48998	1.8039	0.58626	0.56722	0.73498	-6.0917	11173
SETD3	0.58228	0.58228	8.2	0.5861	0.56733	0.73498	-6.0918	84193
QSOX2	-0.17771	0.17771	1.8047	-0.58604	0.56736	0.73498	-6.0918	169714
KCNMB1	-0.32378	0.32378	1.4503	-0.58603	0.56737	0.73498	-6.0918	3779
METTL6	0.14373	0.14373	1.4494	0.58598	0.5674	0.73498	-6.0919	131965
TOE1	-0.161	0.161	1.6621	-0.58596	0.56742	0.73498	-6.0919	114034
CASP8	-0.28406	0.28406	2.4395	-0.58575	0.56756	0.7351	-6.092	841
SSUH2	0.066097	0.066097	0.15351	0.58545	0.56775	0.7353	-6.0922	51066
FZD2	0.15409	0.15409	0.50396	0.58517	0.56794	0.73548	-6.0923	2535
MRPS2	-0.53027	0.53027	4.8492	-0.58492	0.56809	0.73563	-6.0925	51116
CAMTA1	-0.07567	0.075671	0.81822	-0.58483	0.56816	0.73565	-6.0925	23261
CDC25C	0.099482	0.099482	0.3075	0.58462	0.56829	0.73577	-6.0927	995
PRPS2	0.76425	0.76425	5.1274	0.58448	0.56838	0.73582	-6.0927	5634
TRAPPC2L	0.46589	0.46589	2.9984	0.58437	0.56846	0.73582	-6.0928	51693

TMEM92	0.077742	0.077742	0.30132	0.58437	0.56846	0.73582	-6.0928	162461
KDF1	-0.35332	0.35332	3.5328	-0.58413	0.56862	0.73597	-6.0929	126695
EPM2A	-0.06361	0.063607	0.74439	-0.58397	0.56872	0.73597	-6.093	7957
DGKH	-0.18812	0.18812	2.0775	-0.58388	0.56878	0.73597	-6.0931	160851
CTU1	-0.27179	0.27179	1.3972	-0.58384	0.56881	0.73597	-6.0931	90353
CDK11A	-0.25648	0.25648	1.7548	-0.58381	0.56882	0.73597	-6.0931	728642
ZNF593	1.3682	1.3682	7.3421	0.58372	0.56888	0.73597	-6.0932	51042
ZNF257	-0.04286	0.042859	0.15813	-0.58372	0.56888	0.73597	-6.0932	113835
SSRP1	-2.2885	2.2885	17.773	-0.58358	0.56898	0.73603	-6.0933	6749
NUDT12	0.17527	0.17527	1.446	0.58352	0.56902	0.73603	-6.0933	83594
DHX15	1.3481	1.3481	17.147	0.58331	0.56915	0.73611	-6.0934	1665
SLC25A16	0.17964	0.17964	2.1411	0.58329	0.56916	0.73611	-6.0934	8034
ZC4H2	0.11516	0.11516	0.90365	0.58319	0.56923	0.73614	-6.0935	55906
MARVELD3	0.13196	0.13196	0.73155	0.58309	0.5693	0.73617	-6.0936	91862
MGC12916	0.11463	0.11463	0.52659	0.58293	0.5694	0.73625	-6.0937	84815
NDNF	-0.12142	0.12142	0.50604	-0.58284	0.56946	0.73625	-6.0937	79625
BLID	0.088603	0.088603	0.19936	0.58273	0.56953	0.73625	-6.0938	414899
ILKAP	-0.40642	0.40642	5.3516	-0.58273	0.56953	0.73625	-6.0938	80895
SIX4	0.054054	0.054054	0.26108	0.58264	0.56959	0.73626	-6.0938	51804
NCOA1	-0.54646	0.54646	6.4347	-0.58243	0.56973	0.73639	-6.0939	8648
ZBTB2	0.14509	0.14509	2.0648	0.5822	0.56988	0.73653	-6.0941	57621
HIGD2A	-2.3792	2.3792	17.88	-0.58194	0.57005	0.73669	-6.0942	192286
TBC1D25	-0.18333	0.18333	2.727	-0.58184	0.57011	0.73671	-6.0943	4943
TPR	0.76159	0.76159	8.2197	0.58178	0.57015	0.73671	-6.0943	7175
SYTL5	-0.11096	0.11096	0.26026	-0.5817	0.5702	0.73672	-6.0944	94122
RPLP1	-126.36	126.36	996.92	-0.58153	0.57032	0.73681	-6.0945	6176

POLR2G	2.7599	2.7599	15.105	0.58135	0.57044	0.7369	-6.0946	5436
ARMC6	0.55908	0.55908	4.0556	0.58129	0.57048	0.7369	-6.0946	93436
SLC16A13	0.27979	0.27979	1.82	0.58114	0.57057	0.73697	-6.0947	201232
CYTH2	0.68294	0.68294	7.0346	0.58102	0.57065	0.73697	-6.0948	9266
CBX8	-0.21921	0.21921	1.1042	-0.581	0.57067	0.73697	-6.0948	57332
WDYHV1	0.16547	0.16547	1.9038	0.58094	0.5707	0.73697	-6.0948	55093
LOC100506691	0.050955	0.050955	0.15247	0.58068	0.57087	0.73709	-6.095	1.01E+08
PDIA6	2.3506	2.3506	16.353	0.58067	0.57088	0.73709	-6.095	10130
SETD7	0.51718	0.51718	7.7347	0.58044	0.57103	0.73723	-6.0951	80854
MRTO4	1.0001	1.0001	6.6357	0.58029	0.57113	0.73729	-6.0952	51154
PYCR2	-1.0876	1.0876	6.1065	-0.57999	0.57132	0.73749	-6.0954	29920
COX5B	10.976	10.976	60.887	0.57974	0.57149	0.73759	-6.0955	1329
HOMER3-AS1	-0.10771	0.10771	0.38907	-0.57974	0.57149	0.73759	-6.0955	1.03E+08
PXDC1	0.99384	0.99384	8.363	0.57953	0.57163	0.73772	-6.0956	221749
PTGES2	-0.57276	0.57276	5.2802	-0.57945	0.57168	0.73772	-6.0957	80142
LOXL1	1.542	1.542	6.0536	0.57936	0.57174	0.73775	-6.0957	4016
LPP-AS1	0.087349	0.087349	0.29449	0.57907	0.57193	0.73793	-6.0959	1.01E+08
CYBC1	-1.1558	1.1558	6.3717	-0.5788	0.5721	0.73807	-6.0961	79415
SLC38A7	0.3114	0.3114	2.3914	0.57878	0.57212	0.73807	-6.0961	55238
GK3P	-0.11225	0.11225	0.68861	-0.57866	0.5722	0.73809	-6.0962	2713
TMEM44-AS1	-0.06901	0.069007	0.33548	-0.57862	0.57222	0.73809	-6.0962	1.01E+08
RAB11FIP1	0.88641	0.88641	5.7598	0.57854	0.57228	0.7381	-6.0962	80223
LOC102724580	-0.09263	0.092628	0.32485	-0.57829	0.57244	0.73825	-6.0964	1.03E+08
NAALADL1	0.09496	0.09496	0.35535	0.5781	0.57256	0.73836	-6.0965	10004
NDUFB5	1.2532	1.2532	9.9191	0.5777	0.57283	0.73864	-6.0967	4711
STARD3	-0.73503	0.73503	6.2878	-0.57716	0.57318	0.73904	-6.097	10948

RBM38	0.30972	0.30972	2.2741	0.57705	0.57325	0.73904	-6.0971	55544
SNORA70	-1.352	1.352	10.534	-0.57699	0.5733	0.73904	-6.0971	26778
SNORD89	-0.18712	0.18712	0.75847	-0.57696	0.57331	0.73904	-6.0971	692205
NOC4L	-0.72743	0.72743	4.3505	-0.57667	0.5735	0.73923	-6.0973	79050
SCRN3	0.15627	0.15627	1.6979	0.57625	0.57378	0.73953	-6.0976	79634
AADAT	-0.07397	0.073966	0.42769	-0.57602	0.57393	0.73962	-6.0977	51166
KCNT2	-0.07296	0.07296	0.2421	-0.57602	0.57393	0.73962	-6.0977	343450
TRIM11	-0.47338	0.47338	3.9128	-0.57527	0.57442	0.74019	-6.0981	81559
LCE1D	11.705	11.705	20.991	0.575	0.5746	0.74036	-6.0983	353134
EIF4E3	-0.15905	0.15905	1.7833	-0.57492	0.57465	0.74038	-6.0983	317649
CEP76	0.33461	0.33461	1.6015	0.57485	0.5747	0.74038	-6.0984	79959
DEXI	-0.75888	0.75888	6.4582	-0.57463	0.57485	0.74047	-6.0985	28955
FIBP	1.3842	1.3842	9.7826	0.57457	0.57488	0.74047	-6.0985	9158
PLEKHG4	-0.2498	0.2498	1.9371	-0.57454	0.5749	0.74047	-6.0986	25894
MAPRE3	-0.39831	0.39831	3.8611	-0.5743	0.57506	0.74057	-6.0987	22924
MAL2-AS1	-0.18851	0.18851	1.0433	-0.57429	0.57507	0.74057	-6.0987	1.05E+08
POLR2H	0.65716	0.65716	6.0847	0.57414	0.57517	0.74064	-6.0988	5437
UMAD1	-0.07987	0.079867	0.87748	-0.57405	0.57523	0.74064	-6.0988	729852
PARVB	0.66459	0.66459	3.7165	0.574	0.57526	0.74064	-6.0989	29780
MGAT5	0.35827	0.35827	4.2447	0.57386	0.57535	0.74071	-6.0989	4249
GLB1	0.67177	0.67177	5.3754	0.57366	0.57548	0.74082	-6.0991	2720
CD52	0.82326	0.82326	3.4349	0.57331	0.57571	0.74106	-6.0993	1043
MOB3A	1.1591	1.1591	9.4841	0.57323	0.57577	0.74108	-6.0993	126308
METTL21A	0.074945	0.074945	0.69789	0.57246	0.57627	0.74164	-6.0998	151194
PTPN21	-0.34132	0.34132	4.4127	-0.57243	0.57629	0.74164	-6.0998	11099
NKG7	-0.2473	0.2473	0.72955	-0.57219	0.57645	0.74174	-6.0999	4818

WRAP73	0.2924	0.2924	2.6306	0.57218	0.57646	0.74174	-6.0999	49856
CDK16	0.81399	0.81399	7.3589	0.572	0.57658	0.74184	-6.1	5127
CCDC159	-0.27691	0.27691	2.0221	-0.57169	0.57678	0.74204	-6.1002	126075
RNF5P1	-0.10818	0.10818	1.2388	-0.57149	0.57691	0.74215	-6.1003	286140
DNAJC19	0.45563	0.45563	3.2099	0.5712	0.5771	0.74228	-6.1005	131118
ITGA3	4.4376	4.4376	20.692	0.57115	0.57714	0.74228	-6.1005	3675
MTERF3	0.26468	0.26468	2.1404	0.57098	0.57725	0.74228	-6.1006	51001
TMEM218	0.1233	0.1233	1.2286	0.57093	0.57728	0.74228	-6.1006	219854
UGGT2	0.25474	0.25474	1.9616	0.5709	0.5773	0.74228	-6.1007	55757
FAM50A	0.85219	0.85219	7.5704	0.57077	0.57739	0.74228	-6.1007	9130
PIGS	-0.55412	0.55412	7.1924	-0.5707	0.57743	0.74228	-6.1008	94005
BAALC-AS1	-0.06375	0.063751	0.25182	-0.57069	0.57744	0.74228	-6.1008	1E+08
RNASEH2B	-0.3281	0.3281	2.4053	-0.57065	0.57747	0.74228	-6.1008	79621
GXYLT1	0.11568	0.11568	1.3906	0.57061	0.57749	0.74228	-6.1008	283464
USF2	-2.4346	2.4346	21.643	-0.57061	0.57749	0.74228	-6.1008	7392
GAS6-DT	-0.08552	0.085519	0.3782	-0.57013	0.5778	0.74262	-6.1011	1.01E+08
TAGAP	0.15805	0.15805	0.89436	0.57003	0.57787	0.74264	-6.1012	117289
UQCRC2	1.6097	1.6097	18.991	0.56998	0.57791	0.74264	-6.1012	7385
GLYR1	-0.78367	0.78367	9.4032	-0.56983	0.578	0.74271	-6.1013	84656
LYVE1	-1.2135	1.2135	5.4029	-0.56953	0.57821	0.74288	-6.1015	10894
XPO7	-0.51851	0.51851	7.187	-0.56949	0.57823	0.74288	-6.1015	23039
ARHGEF18	0.54753	0.54753	4.6839	0.56926	0.57838	0.74302	-6.1016	23370
LOC101929331	-0.11033	0.11033	0.42422	-0.5691	0.57849	0.74306	-6.1017	1.02E+08
DMC1	-0.04444	0.044437	0.20748	-0.56908	0.5785	0.74306	-6.1017	11144
TPRA1	0.45342	0.45342	3.3329	0.56855	0.57885	0.74346	-6.102	131601
DDOST	3.5002	3.5002	28.214	0.56818	0.57909	0.74371	-6.1022	1650

GPR137	-0.56276	0.56276	3.3255	-0.56793	0.57926	0.74387	-6.1024	56834
STX8	0.69249	0.69249	5.6749	0.56776	0.57937	0.74395	-6.1025	9482
LINC02344	-0.05714	0.057142	0.16261	-0.56755	0.57951	0.74399	-6.1026	1.05E+08
IL20RA	1.5948	1.5948	4.085	0.5675	0.57954	0.74399	-6.1026	53832
HSD17B11	0.76523	0.76523	3.7151	0.56748	0.57955	0.74399	-6.1026	51170
APOOL	0.17512	0.17512	2.1072	0.56745	0.57958	0.74399	-6.1026	139322
XRCC5	3.5106	3.5106	32.375	0.5668	0.58	0.74443	-6.103	7520
MACC1	-0.19757	0.19757	1.3243	-0.5668	0.58001	0.74443	-6.103	346389
MCM8	-0.11935	0.11935	1.1239	-0.56656	0.58017	0.74453	-6.1032	84515
EIF2B1	0.93411	0.93411	10.469	0.56655	0.58017	0.74453	-6.1032	1967
PSMD4	2.3749	2.3749	21.65	0.56645	0.58024	0.74456	-6.1032	5710
ADAMTSL4-AS1	-0.27218	0.27218	2.0201	-0.5661	0.58047	0.7448	-6.1034	574406
ARHGAP26-IT1	-0.04375	0.043752	0.14949	-0.56591	0.58059	0.7449	-6.1035	1.01E+08
CD2BP2	0.90055	0.90055	7.7812	0.56576	0.58069	0.74495	-6.1036	10421
CDK2AP2	0.78445	0.78445	4.8325	0.56572	0.58072	0.74495	-6.1036	10263
PTPDC1	-0.09617	0.096166	1.0288	-0.5654	0.58093	0.74516	-6.1038	138639
EXPH5	-2.0549	2.0549	13.343	-0.56528	0.58101	0.74521	-6.1039	23086
MAPK8IP1	-0.11875	0.11875	0.91157	-0.56513	0.58111	0.74525	-6.104	9479
COMMD5	0.4078	0.4078	3.9543	0.5651	0.58113	0.74525	-6.104	28991
FBXL12	0.29641	0.29641	3.0333	0.56459	0.58147	0.74562	-6.1043	54850
ARL13B	0.1074	0.1074	1.1216	0.56438	0.5816	0.74572	-6.1044	200894
RING1	-0.13204	0.13204	1.2831	-0.5643	0.58166	0.74572	-6.1044	6015
RPP25	-0.31023	0.31023	1.9394	-0.56426	0.58169	0.74572	-6.1045	54913
NOP56	1.6659	1.6659	12.81	0.56421	0.58172	0.74572	-6.1045	10528
SERPINI1	0.15146	0.15146	0.68872	0.5641	0.58179	0.74576	-6.1046	5274
CTNNA1	0.34904	0.34904	3.0703	0.5639	0.58193	0.74587	-6.1047	8727

ZFP1	0.10776	0.10776	0.94182	0.56378	0.58201	0.74592	-6.1047	162239
TM2D3	-0.33308	0.33308	3.5948	-0.56362	0.58211	0.746	-6.1048	80213
PATJ	-0.7069	0.7069	7.8899	-0.56351	0.58218	0.746	-6.1049	10207
TBL1Y	-0.06354	0.063535	0.28768	-0.56331	0.58231	0.746	-6.105	90665
CCDC200	-0.2082	0.2082	0.63515	-0.56331	0.58232	0.746	-6.105	1.01E+08
THRIL	0.27377	0.27377	2.3107	0.56329	0.58233	0.746	-6.105	1.03E+08
PUS10	-0.11733	0.11733	0.85588	-0.56328	0.58233	0.746	-6.105	150962
LOC102723373	-0.07022	0.07022	0.2226	-0.56304	0.58249	0.74613	-6.1052	1.03E+08
TUBB1	-0.05947	0.059474	0.2892	-0.56299	0.58252	0.74613	-6.1052	81027
P4HA2-AS1	0.09421	0.09421	0.65949	0.56283	0.58263	0.7462	-6.1053	1.01E+08
HEXA	-1.247	1.247	7.3309	-0.56275	0.58268	0.7462	-6.1053	3073
HES2	1.4391	1.4391	8.4104	0.56271	0.58271	0.7462	-6.1053	54626
TMEM59L	-0.15625	0.15625	0.26595	-0.56228	0.583	0.74651	-6.1056	25789
ZFYVE19	-0.33707	0.33707	2.5525	-0.56195	0.58322	0.74673	-6.1058	84936
MAGOH	1.1804	1.1804	7.5878	0.56172	0.58337	0.74682	-6.1059	4116
RSL1D1	-1.0043	1.0043	9.0161	-0.56171	0.58337	0.74682	-6.1059	26156
MARVELD2	0.38819	0.38819	3.2571	0.5615	0.58351	0.74694	-6.106	153562
NOXO1	-0.05794	0.057943	0.41052	-0.56135	0.58361	0.74701	-6.1061	124056
CCL13	-0.55537	0.55537	2.3618	-0.56129	0.58365	0.74701	-6.1062	6357
SNHG16	2.8096	2.8096	25.087	0.5611	0.58378	0.74702	-6.1063	1.01E+08
RWDD3	0.24792	0.24792	1.5493	0.5611	0.58378	0.74702	-6.1063	25950
IFT22	-0.28962	0.28962	1.8332	-0.56097	0.58386	0.74702	-6.1063	64792
RAB3D	4.0085	4.0085	33.104	0.56096	0.58387	0.74702	-6.1063	9545
NUP155	-0.44562	0.44562	4.4474	-0.56088	0.58392	0.74702	-6.1064	9631
NXPE3	-0.1094	0.1094	0.7671	-0.56086	0.58394	0.74702	-6.1064	91775
MTRNR2L2	-0.78055	0.78055	1.5298	-0.56081	0.58397	0.74702	-6.1064	1E+08

RRM1	1.2331	1.2331	11.318	0.56064	0.58409	0.74711	-6.1065	6240
ELP1	-0.16111	0.16111	3.2235	-0.56049	0.58418	0.74718	-6.1066	8518
BECN1	1.0569	1.0569	12.56	0.56009	0.58445	0.74739	-6.1068	8678
PHKG2	0.10639	0.10639	1.4678	0.56009	0.58445	0.74739	-6.1068	5261
POGLUT1	0.18434	0.18434	2.2933	0.56004	0.58448	0.74739	-6.1069	56983
RPS15	-25.665	25.665	236.19	-0.55963	0.58475	0.7476	-6.1071	6209
ME3	-0.18544	0.18544	1.0611	-0.5596	0.58477	0.7476	-6.1071	10873
GRN	10.775	10.775	79.792	0.55959	0.58478	0.7476	-6.1071	2896
RARA-AS1	-0.09903	0.099026	0.72803	-0.55952	0.58483	0.74761	-6.1072	1.02E+08
MBTPS2	0.15854	0.15854	1.9078	0.55894	0.58521	0.74804	-6.1075	51360
SLC29A3	0.12637	0.12637	0.82702	0.55857	0.58546	0.74829	-6.1077	55315
SNORA40	-0.50042	0.50042	0.92054	-0.55851	0.5855	0.74829	-6.1077	677822
AGO2	-0.45252	0.45252	6.6165	-0.55837	0.58559	0.7483	-6.1078	27161
PCNX1	-0.39571	0.39571	4.1866	-0.55836	0.5856	0.7483	-6.1078	22990
PRKRA	0.62826	0.62826	6.0718	0.55814	0.58574	0.7484	-6.1079	8575
TMEM38B	0.11835	0.11835	0.81456	0.55802	0.58582	0.7484	-6.108	55151
SLC2A8	-0.42446	0.42446	2.7756	-0.558	0.58584	0.7484	-6.108	29988
RPL23AP32	-0.24488	0.24488	0.89851	-0.55798	0.58585	0.7484	-6.108	56969
CRIM1	-1.2217	1.2217	10.73	-0.55781	0.58596	0.74849	-6.1081	51232
PPP1R9B	-1.9932	1.9932	14.005	-0.55765	0.58607	0.74857	-6.1082	84687
FGD4	-0.20847	0.20847	2.6754	-0.55748	0.58618	0.74866	-6.1083	121512
ADGRF2	-0.10107	0.10107	0.54641	-0.55697	0.58652	0.74903	-6.1086	222611
CIART	-0.62504	0.62504	2.7451	-0.55682	0.58662	0.74908	-6.1087	148523
COL4A2-AS1	0.082323	0.082323	0.29199	0.55678	0.58664	0.74908	-6.1087	1.01E+08
ACE	-0.51095	0.51095	2.4244	-0.5558	0.5873	0.74986	-6.1093	1636
RAVER1	-0.6385	0.6385	5.1078	-0.55531	0.58762	0.75021	-6.1095	125950

LCN10	-0.0956	0.095601	0.24126	-0.55501	0.58783	0.75042	-6.1097	414332
SMG8	0.23738	0.23738	2.832	0.55468	0.58804	0.75064	-6.1099	55181
HLCS	-0.10398	0.10398	0.98035	-0.55457	0.58812	0.75068	-6.11	3141
LCE2C	31.715	31.715	83.019	0.55409	0.58844	0.75098	-6.1102	353140
SPTAN1	-2.7759	2.7759	32.554	-0.55404	0.58847	0.75098	-6.1102	6709
KIAA1143	-0.42843	0.42843	4.195	-0.55401	0.58849	0.75098	-6.1103	57456
TTC39A-AS1	0.051221	0.051221	0.2306	0.5536	0.58876	0.75127	-6.1105	1.03E+08
PHC1	-0.34133	0.34133	2.837	-0.55354	0.5888	0.75127	-6.1105	1911
SIGLEC14	-0.2168	0.2168	0.63845	-0.55304	0.58914	0.7516	-6.1108	1E+08
TMEM132A	0.75742	0.75742	3.2444	0.55302	0.58915	0.7516	-6.1108	54972
NID1	3.3161	3.3161	14.322	0.5527	0.58936	0.75172	-6.111	4811
FOCAD	-0.15436	0.15436	2.9174	-0.55267	0.58938	0.75172	-6.111	54914
PDK1	-0.41251	0.41251	4.2319	-0.55267	0.58938	0.75172	-6.111	5163
ZNF710	0.72542	0.72542	6.7842	0.55233	0.58961	0.7519	-6.1112	374655
MIF4GD	-0.39562	0.39562	4.0459	-0.55233	0.58961	0.7519	-6.1112	57409
MAGOHB	-0.15081	0.15081	1.4145	-0.55217	0.58972	0.75195	-6.1113	55110
C3orf70	-0.13653	0.13653	0.81233	-0.55214	0.58974	0.75195	-6.1113	285382
ZNF180	0.082496	0.082496	0.97646	0.55204	0.5898	0.75197	-6.1114	7733
FMNL1	-0.48216	0.48216	2.9797	-0.55195	0.58986	0.75199	-6.1114	752
NDRG3	-0.31037	0.31037	3.9205	-0.55149	0.59017	0.75232	-6.1117	57446
PPP6R1	1.3894	1.3894	11.245	0.55116	0.59039	0.75252	-6.1119	22870
DPP7	-1.6593	1.6593	14.898	-0.55098	0.59051	0.75252	-6.112	29952
FGF10-AS1	-0.04752	0.047517	0.12106	-0.55095	0.59053	0.75252	-6.112	1.02E+08
CAMP	0.073873	0.073873	0.13243	0.55094	0.59053	0.75252	-6.112	820
ZDHHC12	1.1023	1.1023	8.7087	0.55089	0.59057	0.75252	-6.112	84885
REEP5	1.2213	1.2213	13.14	0.55087	0.59058	0.75252	-6.112	7905

LY86	0.18371	0.18371	0.72553	0.55063	0.59074	0.75266	-6.1122	9450
WDR46	-0.15131	0.15131	1.4419	-0.55001	0.59116	0.75313	-6.1125	9277
SNX21	-1.4775	1.4775	9.3201	-0.54992	0.59122	0.75315	-6.1125	90203
RBMS3-AS1	-0.03864	0.038639	0.062651	-0.54984	0.59127	0.75316	-6.1126	1.01E+08
NSRP1	0.41436	0.41436	3.8253	0.54932	0.59162	0.75352	-6.1129	84081
JADE3	0.095005	0.095005	1.2991	0.54924	0.59167	0.75352	-6.1129	9767
PABPC5-AS1	0.073422	0.073422	0.15469	0.54922	0.59168	0.75352	-6.1129	1.03E+08
STARD4-AS1	0.14765	0.14765	0.76301	0.54906	0.59179	0.75358	-6.113	1.01E+08
SNHG7	-0.43123	0.43123	4.9316	-0.54901	0.59182	0.75358	-6.1131	84973
STK32C	-0.11226	0.11226	0.73333	-0.5487	0.59203	0.75379	-6.1132	282974
HSPB2	-0.61478	0.61478	2.8045	-0.54829	0.5923	0.75408	-6.1135	3316
SCARNA12	-7.9964	7.9964	77.25	-0.5482	0.59236	0.7541	-6.1135	677777
FKBP11	0.6085	0.6085	3.5063	0.54811	0.59243	0.75412	-6.1136	51303
MOB2	-0.88766	0.88766	9.2666	-0.54792	0.59255	0.75423	-6.1137	81532
KCTD1	-0.54281	0.54281	6.0132	-0.54781	0.59263	0.75426	-6.1137	284252
RAD51	0.14649	0.14649	0.75803	0.54772	0.59269	0.75428	-6.1138	5888
SPON1	2.2911	2.2911	8.4595	0.54742	0.59289	0.75448	-6.1139	10418
RPL10	27.819	27.819	214.88	0.54729	0.59297	0.75454	-6.114	6134
WDR11	-0.31823	0.31823	5.9506	-0.54717	0.59305	0.75458	-6.1141	55717
SLC7A8	1.9829	1.9829	12.322	0.54707	0.59312	0.75461	-6.1141	23428
ALPL	0.72535	0.72535	3.0531	0.54696	0.59319	0.75461	-6.1142	249
MRPS30	-0.27886	0.27886	4.8802	-0.54693	0.59321	0.75461	-6.1142	10884
CCNJ	0.085746	0.085746	1.0617	0.5466	0.59343	0.75483	-6.1144	54619
CASP9	0.1124	0.1124	0.97754	0.54638	0.59358	0.75491	-6.1145	842
DCLRE1C	-0.05429	0.054294	1.0439	-0.54638	0.59358	0.75491	-6.1145	64421
SORD	-0.47635	0.47635	4.5916	-0.54597	0.59386	0.7552	-6.1147	6652

TAF6	-0.46696	0.46696	4.2798	-0.54574	0.59401	0.75534	-6.1149	6878
NSD2	-0.18026	0.18026	1.82	-0.54567	0.59405	0.75534	-6.1149	7468
NR2C1	-0.14493	0.14493	1.5348	-0.54532	0.59429	0.75558	-6.1151	7181
MAL	1.1594	1.1594	4.3328	0.54507	0.59446	0.75574	-6.1152	4118
SNORA16B	-0.04606	0.046061	0.076534	-0.54499	0.59451	0.75575	-6.1153	692157
KREMEN1	-1.0993	1.0993	11.592	-0.54475	0.59467	0.7559	-6.1154	83999
LANCL2	-0.1734	0.1734	2.2973	-0.54457	0.59479	0.75594	-6.1155	55915
LINC00311	-0.04734	0.047336	0.13362	-0.54454	0.59481	0.75594	-6.1155	197196
LSM7	2.9937	2.9937	14.917	0.5445	0.59483	0.75594	-6.1155	51690
WDCP	-0.11799	0.11799	0.96407	-0.5444	0.59491	0.75597	-6.1156	80304
RASSF8-AS1	0.14499	0.14499	0.60758	0.54427	0.59499	0.75597	-6.1157	1.01E+08
NUP160	-0.39093	0.39093	4.4318	-0.54416	0.59506	0.75597	-6.1157	23279
HES6	0.10849	0.10849	0.56443	0.54416	0.59507	0.75597	-6.1157	55502
ZNF354C	-0.08714	0.08714	0.82076	-0.54392	0.59522	0.75597	-6.1159	30832
DPY19L4	0.20586	0.20586	1.8563	0.54391	0.59523	0.75597	-6.1159	286148
RCHY1	-0.11103	0.11103	1.2979	-0.54384	0.59528	0.75597	-6.1159	25898
SLC9A3-AS1	-0.70626	0.70626	3.6318	-0.54381	0.5953	0.75597	-6.1159	1E+08
SPAG4	0.055926	0.055926	0.28114	0.54378	0.59532	0.75597	-6.1159	6676
CDCA4	0.70262	0.70262	6.7815	0.54378	0.59532	0.75597	-6.1159	55038
ZNF93	0.11552	0.11552	0.58146	0.54373	0.59536	0.75597	-6.116	81931
ITGAL	-0.16258	0.16258	0.78103	-0.54321	0.5957	0.75628	-6.1163	3683
PHETA1	1.6653	1.6653	5.1693	0.5432	0.59571	0.75628	-6.1163	144717
C5orf46	1.595	1.595	3.1303	0.54309	0.59578	0.75628	-6.1163	389336
SNORA41	-0.06551	0.065505	0.14005	-0.54303	0.59582	0.75628	-6.1164	619569
GALM	-0.13137	0.13137	1.0003	-0.54303	0.59582	0.75628	-6.1164	130589
URB2	0.15217	0.15217	1.7616	0.54265	0.59608	0.75651	-6.1166	9816

CCDC103	-0.05186	0.05186	0.19969	-0.54256	0.59614	0.75651	-6.1166	388389
GGT6	-1.2188	1.2188	8.5199	-0.54252	0.59616	0.75651	-6.1166	124975
ADRA1D	0.058377	0.058377	0.24324	0.5425	0.59618	0.75651	-6.1167	146
NELL1	0.045105	0.045105	0.12813	0.54229	0.59632	0.7566	-6.1168	4745
FTL	153.49	153.49	503.45	0.54217	0.5964	0.7566	-6.1168	2512
DUOX2	0.19288	0.19288	0.97177	0.54211	0.59644	0.7566	-6.1169	405753
SLC9A3R2	-1.3165	1.3165	7.2086	-0.54205	0.59648	0.7566	-6.1169	9351
FMR1	-0.33496	0.33496	3.8639	-0.54205	0.59648	0.7566	-6.1169	2332
DPM2	0.63683	0.63683	6.3483	0.5419	0.59658	0.75662	-6.117	8818
FBXL15	-0.42433	0.42433	2.4825	-0.5419	0.59658	0.75662	-6.117	79176
LINC00467	0.17905	0.17905	1.0439	0.54178	0.59666	0.75662	-6.117	84791
HOXA11-AS	-0.07247	0.072465	0.34943	-0.54175	0.59668	0.75662	-6.1171	221883
TMEM171	0.11862	0.11862	0.6299	0.5417	0.59672	0.75662	-6.1171	134285
KIAA0930	-1.0287	1.0287	11.598	-0.54154	0.59682	0.75669	-6.1172	23313
CBR1	-2.2789	2.2789	18.94	-0.54145	0.59688	0.75671	-6.1172	873
CHPF2	0.75837	0.75837	7.5066	0.54125	0.59702	0.75683	-6.1173	54480
ZNF300	0.083325	0.083325	0.6985	0.54102	0.59717	0.7569	-6.1175	91975
BAX	1.3101	1.3101	7.7666	0.54099	0.59719	0.7569	-6.1175	581
GRIP2	-0.05712	0.057117	0.29706	-0.54096	0.59721	0.7569	-6.1175	80852
ANXA6	2.1586	2.1586	11.98	0.54089	0.59726	0.75691	-6.1175	309
LTA4H	1.2736	1.2736	10.241	0.5406	0.59745	0.75704	-6.1177	4048
CPXM1	3.8065	3.8065	11.717	0.54059	0.59746	0.75704	-6.1177	56265
ADCY4	-0.64009	0.64009	3.2275	-0.54028	0.59767	0.75713	-6.1179	196883
TBC1D31	0.062471	0.062471	0.65596	0.54025	0.59769	0.75713	-6.1179	93594
E2F4	1.2631	1.2631	11.1	0.54021	0.59771	0.75713	-6.1179	1874
XYLT1	0.3123	0.3123	3.8163	0.54017	0.59774	0.75713	-6.1179	64131

PRDM10	-0.07812	0.078122	1.443	-0.54016	0.59775	0.75713	-6.1179	56980
PAICS	1.3889	1.3889	10.664	0.53988	0.59793	0.7573	-6.1181	10606
SH3KBP1	-0.31267	0.31267	3.1082	-0.53976	0.59802	0.7573	-6.1182	30011
HELB	-0.08131	0.081305	0.67465	-0.53975	0.59802	0.7573	-6.1182	92797
C10orf55	-0.10549	0.10549	0.55023	-0.5394	0.59826	0.75755	-6.1183	414236
TECR	5.1205	5.1205	50.795	0.53928	0.59834	0.75756	-6.1184	9524
DDAH2	0.25657	0.25657	1.6609	0.53925	0.59836	0.75756	-6.1184	23564
FOXN1	-0.73639	0.73639	6.9031	-0.53915	0.59843	0.75759	-6.1185	8456
CACNA1C-AS4	0.10345	0.10345	0.28051	0.53899	0.59853	0.75767	-6.1186	1.01E+08
LRP8	0.17356	0.17356	0.90032	0.53886	0.59862	0.75772	-6.1186	7804
SLC47A2	-0.46063	0.46063	2.5079	-0.53871	0.59872	0.75779	-6.1187	146802
MS4A14	0.060726	0.060726	0.1849	0.53844	0.5989	0.75797	-6.1189	84689
BATF	-0.14927	0.14927	0.74405	-0.53832	0.59898	0.75799	-6.1189	10538
FOXL1	0.072899	0.072899	0.32254	0.53822	0.59905	0.75799	-6.119	2300
TMEM200B	-0.2095	0.2095	1.2478	-0.5382	0.59907	0.75799	-6.119	399474
FLG	242.49	242.49	506.34	0.53814	0.5991	0.75799	-6.119	2312
C16orf91	0.35994	0.35994	3.5537	0.53789	0.59927	0.75806	-6.1192	283951
NUDC	-1.0618	1.0618	10.405	-0.53787	0.59929	0.75806	-6.1192	10726
STARD5	-1.2774	1.2774	8.1287	-0.53786	0.59929	0.75806	-6.1192	80765
KIF24	0.058481	0.058481	0.53057	0.53777	0.59935	0.75808	-6.1192	347240
APOO	0.29853	0.29853	1.8482	0.53765	0.59943	0.75813	-6.1193	79135
CARD17	-0.0454	0.045396	0.13495	-0.53746	0.59956	0.75823	-6.1194	440068
ARHGAP9	0.14989	0.14989	0.78429	0.53726	0.59969	0.75831	-6.1195	64333
EEF2	-32.328	32.328	374.03	-0.53723	0.59971	0.75831	-6.1195	1938
TXNL4B	0.12083	0.12083	1.4733	0.53715	0.59977	0.75833	-6.1196	54957
NF2	-0.52514	0.52514	5.3719	-0.53698	0.59988	0.75841	-6.1197	4771

MFAP1	0.55808	0.55808	5.0774	0.53686	0.59997	0.75845	-6.1197	4236
ANGEL1	-0.30888	0.30888	2.6764	-0.5368	0.6	0.75845	-6.1198	23357
CYTL1	0.4836	0.4836	1.1403	0.53668	0.60009	0.7585	-6.1198	54360
CBWD3	0.1749	0.1749	1.4665	0.53639	0.60028	0.75865	-6.12	445571
RPPH1	1401.1	1401.1	9140.5	0.53633	0.60032	0.75865	-6.12	85495
LCP1	2.001	2.001	11.761	0.5362	0.60041	0.75865	-6.1201	3936
ERGIC3	-2.9725	2.9725	32.503	-0.5361	0.60047	0.75865	-6.1201	51614
PSG4	0.091905	0.091905	0.25959	0.53606	0.6005	0.75865	-6.1202	5672
MICALCL	0.69116	0.69116	3.8769	0.53605	0.60051	0.75865	-6.1202	84953
COLEC11	0.046781	0.046781	0.11089	0.53598	0.60055	0.75865	-6.1202	78989
PSMG2	1.1039	1.1039	9.6273	0.53597	0.60056	0.75865	-6.1202	56984
TWF2	1.5092	1.5092	9.8172	0.53557	0.60083	0.75892	-6.1204	11344
CARD19	-0.3808	0.3808	2.9913	-0.53551	0.60087	0.75892	-6.1205	84270
GSDMC	1.9491	1.9491	16.098	0.5353	0.60101	0.75905	-6.1206	56169
CRYZ	0.31428	0.31428	3.1877	0.53485	0.60132	0.75937	-6.1208	1429
IL37	4.9543	4.9543	10.211	0.53472	0.60141	0.75943	-6.1209	27178
MCM6	0.67906	0.67906	4.0951	0.53432	0.60167	0.75965	-6.1211	4175
NABP2	1.0111	1.0111	6.7735	0.53432	0.60167	0.75965	-6.1211	79035
DARS-AS1	0.086659	0.086659	0.73341	0.53414	0.6018	0.75975	-6.1212	1.02E+08
STARD7	-1.0506	1.0506	14.089	-0.53401	0.60188	0.75975	-6.1213	56910
FNDC10	-0.863	0.863	4.934	-0.53381	0.60202	0.75975	-6.1214	643988
PARD6G	-0.60941	0.60941	8.2936	-0.5338	0.60202	0.75975	-6.1214	84552
NEURL1B	-0.85655	0.85655	5.3656	-0.53378	0.60203	0.75975	-6.1214	54492
UQCRC1	3.911	3.911	31.881	0.53376	0.60205	0.75975	-6.1214	7384
LCE1A	33.036	33.036	80.56	0.53373	0.60207	0.75975	-6.1214	353131
NCKAP1L	-0.48678	0.48678	2.6913	-0.53324	0.6024	0.76011	-6.1217	3071

COPZ2	1.7309	1.7309	9.6837	0.53306	0.60252	0.76021	-6.1218	51226
MIR181A2HG	-0.09955	0.09955	0.45536	-0.53283	0.60267	0.76033	-6.1219	1E+08
S100A4	8.6046	8.6046	41.579	0.53278	0.60271	0.76033	-6.1219	6275
ODF2L	0.17786	0.17786	1.9545	0.53249	0.6029	0.76052	-6.1221	57489
SNORA70F	-0.11109	0.11109	0.51981	-0.53213	0.60315	0.76078	-6.1223	1E+08
HOTAIRM1	-0.13757	0.13757	1.4877	-0.53203	0.60321	0.7608	-6.1223	1.01E+08
APEH	1.2957	1.2957	10.655	0.53173	0.60341	0.76097	-6.1225	327
VASH1-AS1	-0.1861	0.1861	1.314	-0.5317	0.60344	0.76097	-6.1225	1.01E+08
NAIF1	-0.07517	0.075169	1.0089	-0.53145	0.60361	0.7611	-6.1227	203245
ZIK1	-0.05612	0.056116	0.40035	-0.53142	0.60363	0.7611	-6.1227	284307
PTN	0.45814	0.45814	1.2774	0.53134	0.60368	0.7611	-6.1227	5764
ZKSCAN5	0.11007	0.11007	1.3681	0.5312	0.60377	0.76116	-6.1228	23660
SH3BP1	1.2825	1.2825	9.6759	0.53082	0.60403	0.76138	-6.123	23616
CDKN2C	0.29845	0.29845	1.9559	0.53076	0.60407	0.76138	-6.123	1031
TMEM204	0.84107	0.84107	4.5984	0.53061	0.60417	0.76138	-6.1231	79652
PARVA	0.83458	0.83458	5.909	0.53058	0.60419	0.76138	-6.1231	55742
LMNB1	0.62474	0.62474	3.1286	0.53057	0.6042	0.76138	-6.1231	4001
GTF2E1	0.15655	0.15655	1.7251	0.53055	0.60421	0.76138	-6.1231	2960
NXT2	0.2037	0.2037	1.6458	0.53043	0.60429	0.76142	-6.1232	55916
TAF5	-0.07089	0.070886	0.77532	-0.53018	0.60446	0.76158	-6.1233	6877
ZBTB7B	-3.7745	3.7745	28.674	-0.53007	0.60454	0.76161	-6.1234	51043
LIPE	-0.14292	0.14292	1.1622	-0.52996	0.60461	0.76161	-6.1235	3991
GRK6	-0.50206	0.50206	5.4151	-0.52994	0.60462	0.76161	-6.1235	2870
OR1J2	-0.04466	0.044655	0.12553	-0.52981	0.60472	0.76167	-6.1235	26740
EXOG	0.11007	0.11007	0.79845	0.52945	0.60496	0.76192	-6.1237	9941
CBWD2	0.35629	0.35629	4.1697	0.52936	0.60501	0.76193	-6.1238	150472

RBAK-RBAKDN	-0.04525	0.04525	0.11011	-0.52929	0.60506	0.76193	-6.1238	1.01E+08
SCML1	-0.10836	0.10836	1.114	-0.52882	0.60538	0.76224	-6.1241	6322
GLB1L	0.13138	0.13138	0.89801	0.5288	0.6054	0.76224	-6.1241	79411
PHF24	0.050496	0.050496	0.3177	0.52774	0.60611	0.76303	-6.1247	23349
DAG1	-0.65759	0.65759	10.109	-0.52771	0.60613	0.76303	-6.1247	1605
PRICKLE2	0.32888	0.32888	2.238	0.52767	0.60616	0.76303	-6.1247	166336
SEMA3F	1.4868	1.4868	15.829	0.52749	0.60628	0.76307	-6.1248	6405
SMUG1	-0.21254	0.21254	2.1758	-0.52748	0.60628	0.76307	-6.1248	23583
PCDHGA9	-0.09842	0.09842	1.4611	-0.52739	0.60635	0.7631	-6.1248	56107
ZNF746	0.3539	0.3539	3.4241	0.52708	0.60656	0.76331	-6.125	155061
PCDHGB5	0.081452	0.081452	1.7503	0.52656	0.60691	0.76368	-6.1253	56101
TFPI	0.53215	0.53215	2.9447	0.5265	0.60695	0.76368	-6.1253	7035
SMIM4	0.54679	0.54679	3.7198	0.52627	0.60711	0.76383	-6.1254	440957
AQR	0.48643	0.48643	5.9908	0.52589	0.60736	0.76409	-6.1256	9716
SCYL3	-0.11713	0.11713	2.5862	-0.52531	0.60775	0.76453	-6.1259	57147
VAV2	0.59273	0.59273	3.4974	0.52518	0.60784	0.76458	-6.126	7410
NFE2	-0.27428	0.27428	1.2269	-0.52499	0.60797	0.76468	-6.1261	4778
ZNF547	-0.05011	0.050109	0.42942	-0.52492	0.60802	0.76468	-6.1262	284306
PWP2	-0.43723	0.43723	3.6261	-0.5247	0.60817	0.76482	-6.1263	5822
MED16	0.82178	0.82178	7.0516	0.5244	0.60837	0.765	-6.1264	10025
IMP4	-0.43934	0.43934	4.5331	-0.52419	0.60851	0.765	-6.1265	92856
LPAR5	-0.26391	0.26391	3.2407	-0.52403	0.60862	0.765	-6.1266	57121
ARHGEF4	1.9353	1.9353	13.636	0.524	0.60864	0.765	-6.1266	50649
PRPF39	-0.31659	0.31659	3.9068	-0.524	0.60864	0.765	-6.1266	55015
ZMYND10	-0.04099	0.040985	0.14418	-0.52397	0.60866	0.765	-6.1267	51364
ZNF524	-0.67676	0.67676	5.2785	-0.52393	0.60869	0.765	-6.1267	147807

LIPK	-0.41579	0.41579	2.16	-0.52385	0.60874	0.765	-6.1267	643414
GART	0.78663	0.78663	6.1733	0.52381	0.60877	0.765	-6.1267	2618
LOC105370489	-0.04079	0.040788	0.14108	-0.52376	0.60881	0.765	-6.1268	1.05E+08
EXOC6B	0.91752	0.91752	10.733	0.52368	0.60886	0.765	-6.1268	23233
SMIM11A	0.040824	0.040824	0.26648	0.52368	0.60886	0.765	-6.1268	54065
CDH24	-0.27442	0.27442	1.5483	-0.52324	0.60915	0.76529	-6.127	64403
MCCC2	-0.3719	0.3719	5.6691	-0.52321	0.60917	0.76529	-6.1271	64087
PIGC	0.71414	0.71414	6.221	0.52289	0.60939	0.76545	-6.1272	5279
RAF1	0.85372	0.85372	13.346	0.52288	0.6094	0.76545	-6.1272	5894
PIGU	0.31114	0.31114	3.3823	0.52282	0.60944	0.76545	-6.1273	128869
ZNF221	0.078813	0.078813	0.50612	0.52272	0.60951	0.76548	-6.1273	7638
XG	-0.62394	0.62394	4.9027	-0.522	0.60999	0.76599	-6.1277	7499
SGSM3	-0.79152	0.79152	6.5811	-0.52198	0.61001	0.76599	-6.1277	27352
SDAD1	0.50438	0.50438	4.9123	0.52192	0.61005	0.76599	-6.1277	55153
LCE1C	57.126	57.126	132.9	0.52146	0.61036	0.7662	-6.128	353133
MIGA2	-0.40736	0.40736	2.5417	-0.52129	0.61047	0.7662	-6.1281	84895
HNRNPAB	3.9816	3.9816	35.897	0.52129	0.61048	0.7662	-6.1281	3182
SPTBN5	-0.05819	0.05819	0.34729	-0.52128	0.61048	0.7662	-6.1281	51332
C1QB	-5.8545	5.8545	18.521	-0.52127	0.61049	0.7662	-6.1281	713
CRISPLD2	3.4979	3.4979	16.503	0.52126	0.6105	0.7662	-6.1281	83716
OR1J1	0.055012	0.055012	0.14547	0.52119	0.61055	0.7662	-6.1281	347168
FYN	-0.94634	0.94634	6.0068	-0.52104	0.61065	0.7662	-6.1282	2534
AK5	0.094593	0.094593	0.32601	0.52102	0.61066	0.7662	-6.1282	26289
ZMYND15	-0.08278	0.082782	0.55718	-0.521	0.61067	0.7662	-6.1282	84225
SNRPD3	0.87422	0.87422	9.7182	0.52091	0.61074	0.76622	-6.1283	6634
EEF2KMT	0.19542	0.19542	1.8482	0.5205	0.61102	0.76651	-6.1285	196483

SND1	1.6632	1.6632	18.749	0.52038	0.61109	0.76651	-6.1286	27044
FUT7	-0.04306	0.043061	0.16078	-0.52037	0.6111	0.76651	-6.1286	2529
PCDHGB6	-0.0943	0.094298	1.3834	-0.51994	0.61139	0.76682	-6.1288	56100
TMEM216	-0.25682	0.25682	1.7057	-0.51974	0.61153	0.76693	-6.1289	51259
TMEM44	0.14717	0.14717	1.0357	0.51928	0.61184	0.76727	-6.1291	93109
ZFP90	-0.14018	0.14018	2.112	-0.51913	0.61194	0.76734	-6.1292	146198
LOC105370203	0.046507	0.046507	0.18366	0.51867	0.61226	0.76767	-6.1295	1.05E+08
RNF169	-0.31273	0.31273	4.6415	-0.51857	0.61233	0.7677	-6.1295	254225
BCL2L10	0.45782	0.45782	2.1198	0.51845	0.61241	0.76775	-6.1296	10017
TRAFD1	-0.58685	0.58685	7.4296	-0.51825	0.61254	0.76786	-6.1297	10906
MTMR12	-0.43783	0.43783	6.0236	-0.51801	0.61271	0.76801	-6.1298	54545
LSM14A	0.77564	0.77564	11.47	0.51778	0.61286	0.76809	-6.1299	26065
CEP112	0.18292	0.18292	1.1678	0.51776	0.61287	0.76809	-6.1299	201134
AP2B1	-1.0792	1.0792	10.137	-0.5177	0.61292	0.76809	-6.13	163
AADAC	-0.25122	0.25122	0.84246	-0.51761	0.61297	0.76809	-6.13	13
SPRYD3	-1.0045	1.0045	8.9816	-0.51758	0.613	0.76809	-6.13	84926
LHFPL6	-1.5987	1.5987	9.6746	-0.51747	0.61307	0.76809	-6.1301	10186
FOXN3-AS1	0.15318	0.15318	1.0251	0.51744	0.61309	0.76809	-6.1301	400236
PLCE1	-0.0897	0.089698	0.46125	-0.51732	0.61317	0.76813	-6.1302	51196
USP39	-0.40271	0.40271	5.4474	-0.51701	0.61338	0.76835	-6.1303	10713
IGSF22	0.085219	0.085219	0.29399	0.51675	0.61356	0.76851	-6.1305	283284
SYNJ1	0.089149	0.089149	1.3754	0.51664	0.61363	0.76854	-6.1305	8867
NHLRC2	-0.1984	0.1984	2.9724	-0.51622	0.61392	0.7688	-6.1308	374354
DPRXP4	-0.20577	0.20577	1.5433	-0.51619	0.61394	0.7688	-6.1308	503645
MRPL49	0.72845	0.72845	8.0594	0.51615	0.61397	0.7688	-6.1308	740
CAPN8	0.074267	0.074267	0.1838	0.51498	0.61476	0.76973	-6.1314	388743

NAT14	0.3337	0.3337	1.4532	0.51436	0.61519	0.77016	-6.1317	57106
UROD	1.288	1.288	8.3581	0.51434	0.6152	0.77016	-6.1317	7389
RALBP1	1.7297	1.7297	18.858	0.51386	0.61552	0.77051	-6.132	10928
E2F8	0.11061	0.11061	0.62213	0.51351	0.61577	0.77073	-6.1322	79733
PPP1R7	0.57006	0.57006	5.9026	0.51348	0.61579	0.77073	-6.1322	5510
RGS19	0.58682	0.58682	3.2473	0.5133	0.61591	0.77074	-6.1323	10287
ZNF212	0.29768	0.29768	3.0054	0.5133	0.61591	0.77074	-6.1323	7988
SH3GLB2	3.8522	3.8522	24.423	0.51317	0.616	0.77074	-6.1323	56904
DNAJC10	0.508	0.508	4.275	0.51315	0.61601	0.77074	-6.1324	54431
MTG2	-0.2858	0.2858	2.9717	-0.51313	0.61602	0.77074	-6.1324	26164
DNAJC25	0.13506	0.13506	1.3746	0.51295	0.61615	0.7708	-6.1325	548645
TIMM13	1.3763	1.3763	10.853	0.5129	0.61618	0.7708	-6.1325	26517
ZNF101	-0.10276	0.10276	1.2412	-0.51279	0.61625	0.7708	-6.1325	94039
AGT	-0.58984	0.58984	1.2563	-0.51279	0.61626	0.7708	-6.1325	183
BCL2L2	1.1625	1.1625	13.315	0.51267	0.61634	0.77084	-6.1326	599
CBARP	0.18039	0.18039	1.1485	0.5125	0.61645	0.77085	-6.1327	255057
MEF2C	0.35089	0.35089	1.919	0.51242	0.61651	0.77085	-6.1327	4208
SLF1	-0.09701	0.097006	0.79111	-0.5124	0.61652	0.77085	-6.1327	84250
GMCL1	0.12967	0.12967	1.7385	0.51229	0.6166	0.77085	-6.1328	64395
GRSF1	0.33692	0.33692	4.5441	0.51228	0.6166	0.77085	-6.1328	2926
MCPH1	-0.06242	0.062422	1.0572	-0.51226	0.61661	0.77085	-6.1328	79648
POPDC2	0.090956	0.090956	0.55727	0.51207	0.61675	0.7709	-6.1329	64091
TTF1	-0.14826	0.14826	1.8331	-0.51207	0.61675	0.7709	-6.1329	7270
PTPA	2.0431	2.0431	18.127	0.51196	0.61682	0.77093	-6.133	5524
SUMO4	-0.08409	0.084088	0.6083	-0.51175	0.61696	0.77104	-6.1331	387082
MRPL24	-1.4015	1.4015	11.181	-0.5117	0.617	0.77104	-6.1331	79590

C1orf112	0.094366	0.094366	0.75488	0.51158	0.61708	0.77109	-6.1332	55732
LINC02120	-0.07988	0.079884	0.23264	-0.51127	0.61729	0.77124	-6.1333	340113
LDLRAP1	-0.68316	0.68316	6.76	-0.51126	0.6173	0.77124	-6.1333	26119
SCG2	0.61418	0.61418	1.5669	0.5111	0.61741	0.77132	-6.1334	7857
C1orf109	-0.13357	0.13357	1.6415	-0.51082	0.6176	0.7715	-6.1336	54955
C1orf216	-0.21337	0.21337	1.6125	-0.51051	0.61781	0.77171	-6.1337	127703
MSH3	-0.17018	0.17018	2.7526	-0.51042	0.61787	0.77172	-6.1338	4437
TULP4	-0.44611	0.44611	7.1426	-0.51037	0.61791	0.77172	-6.1338	56995
DDX46	-0.35159	0.35159	5.3816	-0.51016	0.61805	0.77184	-6.1339	9879
PLD3	-3.2548	3.2548	21.263	-0.50992	0.61821	0.77195	-6.134	23646
INAVA	-1.0063	1.0063	11.385	-0.50989	0.61823	0.77195	-6.134	55765
OGN	0.24317	0.24317	0.60292	0.50968	0.61838	0.772	-6.1342	4969
ZDHHC8P1	-0.04893	0.048932	0.19341	-0.50964	0.6184	0.772	-6.1342	150244
TCF3	-0.64542	0.64542	5.7463	-0.50964	0.61841	0.772	-6.1342	6929
ZNF92	-0.10914	0.10914	0.7742	-0.50955	0.61847	0.77201	-6.1342	168374
PSD	0.079817	0.079817	0.38754	0.50949	0.61851	0.77201	-6.1343	5662
FARP1	0.60128	0.60128	4.1657	0.50924	0.61868	0.77217	-6.1344	10160
RIPK1	0.43294	0.43294	6.0097	0.50905	0.61881	0.77228	-6.1345	8737
RCE1	-0.44786	0.44786	4.2652	-0.50888	0.61892	0.77236	-6.1346	9986
QRSL1	0.15178	0.15178	1.5677	0.50874	0.61901	0.77242	-6.1346	55278
CDC7	0.15859	0.15859	1.0411	0.50868	0.61906	0.77242	-6.1347	8317
MOSMO	0.09433	0.09433	1.1265	0.50824	0.61936	0.77273	-6.1349	730094
GLT1D1	0.073081	0.073081	0.31647	0.508	0.61952	0.77279	-6.135	144423
LLGL2	1.0265	1.0265	8.5307	0.50799	0.61953	0.77279	-6.135	3993
CBX1	0.41466	0.41466	5.676	0.50793	0.61957	0.77279	-6.1351	10951
STK19	0.056824	0.056824	0.61748	0.5079	0.61959	0.77279	-6.1351	8859

LEMD2	-0.6657	0.6657	6.7606	-0.50745	0.6199	0.77304	-6.1353	221496
NIF3L1	0.33318	0.33318	3.4341	0.50742	0.61992	0.77304	-6.1353	60491
RBM45	0.17797	0.17797	1.7516	0.50741	0.61992	0.77304	-6.1353	129831
CENPS	0.11551	0.11551	0.65678	0.50734	0.61997	0.77304	-6.1354	378708
STX19	-0.11245	0.11245	0.7303	-0.507	0.62021	0.77327	-6.1355	415117
C9orf78	-0.70638	0.70638	8.8256	-0.50695	0.62024	0.77327	-6.1356	51759
ZC3H3	-0.42544	0.42544	4.7479	-0.50688	0.62029	0.77327	-6.1356	23144
FAM83H	4.0211	4.0211	25.079	0.50648	0.62056	0.77336	-6.1358	286077
ARHGAP11B	0.065988	0.065988	0.42306	0.50636	0.62064	0.77336	-6.1359	89839
LOC101929574	-0.04078	0.040782	0.15314	-0.50634	0.62066	0.77336	-6.1359	1.02E+08
GPR171	-0.0416	0.041602	0.14875	-0.50631	0.62068	0.77336	-6.1359	29909
LOC101928977	-0.03948	0.039484	0.11931	-0.50622	0.62074	0.77336	-6.1359	1.02E+08
FCGR3A	1.6142	1.6142	4.6977	0.50621	0.62075	0.77336	-6.1359	2214
ERLIN1	0.41551	0.41551	4.9458	0.5062	0.62076	0.77336	-6.136	10613
ELOVL6	0.43859	0.43859	2.651	0.50616	0.62078	0.77336	-6.136	79071
ZBTB7A	1.4197	1.4197	13.612	0.50615	0.62078	0.77336	-6.136	51341
UQCC3	-0.29646	0.29646	2.446	-0.50609	0.62082	0.77336	-6.136	790955
CLDN15	-0.23906	0.23906	1.4272	-0.50591	0.62095	0.77346	-6.1361	24146
MTRNR2L3	-0.06847	0.068469	0.38083	-0.50575	0.62106	0.77355	-6.1362	1E+08
ASPH	0.39145	0.39145	4.9506	0.50562	0.62115	0.7736	-6.1362	444
GPR68	1.1651	1.1651	5.8674	0.50537	0.62132	0.7737	-6.1364	8111
DMAC1	0.71032	0.71032	4.1332	0.50537	0.62132	0.7737	-6.1364	90871
PTRH2	0.24568	0.24568	2.3913	0.50523	0.62142	0.77376	-6.1364	51651
GIMAP4	-0.55222	0.55222	3.5288	-0.50505	0.62154	0.77382	-6.1365	55303
AGAP3	-0.69942	0.69942	6.2605	-0.50502	0.62156	0.77382	-6.1366	116988
DOP1B	0.34587	0.34587	3.4858	0.50476	0.62174	0.77399	-6.1367	9980

ZNF148	-0.16715	0.16715	2.2313	-0.50419	0.62213	0.77442	-6.137	7707
U2SURP	-0.38728	0.38728	4.6066	-0.50408	0.6222	0.77445	-6.137	23350
B4GALT5	0.5607	0.5607	4.0996	0.5039	0.62232	0.77453	-6.1371	9334
LOC100288846	-0.05159	0.051593	0.36772	-0.50386	0.62235	0.77453	-6.1371	1E+08
SYNRG	-0.12436	0.12436	3.2292	-0.50355	0.62256	0.77468	-6.1373	11276
MDK	-2.7041	2.7041	8.3637	-0.50352	0.62259	0.77468	-6.1373	4192
ASB8	-0.27499	0.27499	4.2958	-0.50347	0.62262	0.77468	-6.1373	140461
GPBAR1	-0.0436	0.043603	0.26457	-0.50342	0.62266	0.77468	-6.1374	151306
CRADD	0.13673	0.13673	1.2013	0.50333	0.62272	0.77469	-6.1374	8738
LINC02593	-0.04198	0.041982	0.13219	-0.50316	0.62283	0.77474	-6.1375	1E+08
CARD14	-0.55931	0.55931	3.6809	-0.50314	0.62285	0.77474	-6.1375	79092
RAB34	1.416	1.416	8.5588	0.50295	0.62298	0.77484	-6.1376	83871
PIBF1	-0.22529	0.22529	2.2817	-0.50277	0.6231	0.77494	-6.1377	10464
MAP3K20-AS1	0.082592	0.082592	0.52491	0.50253	0.62327	0.77505	-6.1378	339751
HIBCH	-0.53847	0.53847	5.9003	-0.50249	0.62329	0.77505	-6.1378	26275
RALY	-0.73807	0.73807	9.2034	-0.50244	0.62333	0.77505	-6.1379	22913
DTL	0.16292	0.16292	0.84418	0.50216	0.62352	0.77522	-6.138	51514
DPH5	-0.20634	0.20634	2.2747	-0.50207	0.62358	0.77522	-6.1381	51611
IDH1	1.16	1.16	7.5373	0.502	0.62363	0.77522	-6.1381	3417
ETFBKMT	-0.05785	0.057851	0.53491	-0.50197	0.62365	0.77522	-6.1381	254013
NUCB1	-2.8835	2.8835	25.841	-0.50138	0.62405	0.77567	-6.1384	4924
LPL	-0.37222	0.37222	1.281	-0.50129	0.62411	0.77569	-6.1385	4023
DENND5B	-0.0761	0.076097	0.52514	-0.5011	0.62425	0.77575	-6.1386	160518
SLC35F2	0.2872	0.2872	3.9119	0.50108	0.62426	0.77575	-6.1386	54733
AKR1A1	1.8902	1.8902	15.217	0.50097	0.62433	0.77579	-6.1386	10327
INCENP	-0.45808	0.45808	3.4859	-0.5009	0.62438	0.77579	-6.1387	3619

YPEL2	-0.19657	0.19657	3.5374	-0.50028	0.62481	0.77614	-6.139	388403
RANBP10	0.38943	0.38943	4.7203	0.50024	0.62484	0.77614	-6.139	57610
PYDC1	-1.2627	1.2627	3.6663	-0.50023	0.62484	0.77614	-6.139	260434
RIPOR2	0.17518	0.17518	1.0143	0.50005	0.62497	0.77614	-6.1391	9750
ZNF12	-0.22305	0.22305	3.3476	-0.50001	0.62499	0.77614	-6.1391	7559
NCLN	1.1108	1.1108	8.1246	0.5	0.625	0.77614	-6.1391	56926
ENTR1	0.53377	0.53377	4.6092	0.49995	0.62503	0.77614	-6.1391	10807
KRT9	471.69	471.69	829.33	0.49995	0.62503	0.77614	-6.1391	3857
NBPF25P	-0.48437	0.48437	14.158	-0.49977	0.62516	0.77624	-6.1392	1.02E+08
CACNB3	-0.2858	0.2858	2.7686	-0.49966	0.62523	0.77627	-6.1393	784
DQX1	-0.08312	0.083119	0.51106	-0.49954	0.62532	0.77631	-6.1394	165545
RPP21	0.097068	0.097068	0.8541	0.49944	0.62538	0.77631	-6.1394	79897
OFD1	0.15732	0.15732	3.2315	0.49942	0.6254	0.77631	-6.1394	8481
MIEF1	-0.31832	0.31832	3.9259	-0.4992	0.62555	0.77642	-6.1395	54471
CSNK2A2	3.8646	3.8646	17.999	0.49915	0.62559	0.77642	-6.1396	1459
SLC50A1	0.72062	0.72062	5.4729	0.49909	0.62562	0.77642	-6.1396	55974
FOXK2	0.55386	0.55386	7.0622	0.49866	0.62592	0.77673	-6.1398	3607
CHCHD7	-0.25211	0.25211	2.2121	-0.49849	0.62603	0.77681	-6.1399	79145
KAZN	-0.25464	0.25464	3.0473	-0.49819	0.62624	0.77701	-6.14	23254
FGD5-AS1	-0.76036	0.76036	10.708	-0.49781	0.6265	0.7772	-6.1402	1.01E+08
CYBA	5.691	5.691	23.198	0.49777	0.62653	0.7772	-6.1402	1535
BMS1P22	0.04835	0.04835	0.13782	0.49777	0.62653	0.7772	-6.1402	1.06E+08
SNTB2	0.2803	0.2803	5.0754	0.49729	0.62686	0.77755	-6.1405	6645
FAM160B2	-0.66061	0.66061	7.2861	-0.49719	0.62693	0.77758	-6.1405	64760
TATDN1	-0.35464	0.35464	3.3424	-0.49689	0.62713	0.77778	-6.1407	83940
DIRAS1	-0.16954	0.16954	0.96031	-0.49682	0.62718	0.77778	-6.1407	148252

PHYH	-0.25292	0.25292	1.9269	-0.49641	0.62747	0.77793	-6.1409	5264
FOXRED1	-0.30139	0.30139	2.5611	-0.49635	0.6275	0.77793	-6.141	55572
ZW10	0.32069	0.32069	3.687	0.49633	0.62752	0.77793	-6.141	9183
IQGAP3	0.1858	0.1858	1.062	0.49624	0.62758	0.77793	-6.141	128239
ZNF133	-0.16893	0.16893	2.3674	-0.49614	0.62765	0.77793	-6.1411	7692
KRT18	-0.95731	0.95731	5.8778	-0.49614	0.62765	0.77793	-6.1411	3875
N4BP1	0.98261	0.98261	10.168	0.49601	0.62774	0.77793	-6.1411	9683
PDP2	-0.05691	0.05691	0.77047	-0.49592	0.6278	0.77793	-6.1412	57546
LINC01006	-0.07514	0.075135	0.41795	-0.49587	0.62783	0.77793	-6.1412	1.01E+08
GTF2H2C	-0.13107	0.13107	0.48722	-0.49583	0.62786	0.77793	-6.1412	728340
IGDCC4	0.37991	0.37991	1.2025	0.49577	0.62791	0.77793	-6.1413	57722
GRB10	0.43662	0.43662	3.1208	0.49572	0.62794	0.77793	-6.1413	2887
ZFAND3	0.78992	0.78992	9.5433	0.49572	0.62794	0.77793	-6.1413	60685
OCLN	0.42137	0.42137	2.8975	0.49565	0.62799	0.77793	-6.1413	1.01E+08
C20orf27	-0.72545	0.72545	5.0639	-0.49563	0.628	0.77793	-6.1413	54976
SLC25A11	1.2768	1.2768	12.662	0.49546	0.62811	0.77802	-6.1414	8402
HSD17B3	-0.03992	0.039919	0.13403	-0.49468	0.62865	0.77863	-6.1418	3293
NDN	1.0224	1.0224	4.9553	0.49459	0.62871	0.77865	-6.1419	4692
NUP35	0.23357	0.23357	2.5493	0.49427	0.62894	0.77882	-6.142	129401
HTD2	-0.15278	0.15278	1.2636	-0.49426	0.62894	0.77882	-6.142	1.1E+08
G6PC3	-0.79639	0.79639	4.5275	-0.49419	0.62899	0.77882	-6.1421	92579
CCL8	-0.74761	0.74761	1.6438	-0.49396	0.62915	0.77896	-6.1422	6355
DLX2	0.094925	0.094925	0.38426	0.49384	0.62923	0.77898	-6.1422	1746
TGS1	0.29676	0.29676	3.0694	0.49376	0.62929	0.77898	-6.1423	96764
IRAK1	2.4168	2.4168	17.909	0.49374	0.6293	0.77898	-6.1423	3654
HSFX4	-0.04792	0.047916	0.22961	-0.49363	0.62937	0.77901	-6.1423	1.02E+08

SNORA3A	-0.36378	0.36378	2.4457	-0.49331	0.6296	0.77914	-6.1425	619562
THNSL1	-0.05577	0.055765	0.46676	-0.49329	0.62961	0.77914	-6.1425	79896
ZC3HAV1	0.53313	0.53313	5.2577	0.49328	0.62962	0.77914	-6.1425	56829
GNG2	0.28157	0.28157	1.727	0.49314	0.62972	0.77921	-6.1426	54331
LOC105374952	-0.20882	0.20882	0.70541	-0.49305	0.62978	0.77923	-6.1426	1.05E+08
CD28	0.058744	0.058744	0.35136	0.49254	0.63013	0.77955	-6.1429	940
BHLHE22	0.10302	0.10302	0.30598	0.49254	0.63013	0.77955	-6.1429	27319
KCNK15	-0.07313	0.073126	0.28781	-0.49224	0.63034	0.77975	-6.143	60598
LOC105371824	0.062908	0.062908	0.25402	0.49207	0.63045	0.77977	-6.1431	1.05E+08
CEACAM3	0.07457	0.07457	0.17913	0.49199	0.6305	0.77977	-6.1432	1084
GGT1	0.051598	0.051598	0.46229	0.49191	0.63056	0.77977	-6.1432	2678
PCED1B	-0.05828	0.058277	0.71993	-0.4919	0.63057	0.77977	-6.1432	91523
FBXO22	-0.16211	0.16211	2.5408	-0.49188	0.63058	0.77977	-6.1432	26263
NACAD	0.076554	0.076554	0.38535	0.4915	0.63084	0.78003	-6.1434	23148
HDGF	3.6951	3.6951	35.513	0.49137	0.63093	0.78004	-6.1435	3068
ELF2	-0.26483	0.26483	4.6807	-0.49135	0.63095	0.78004	-6.1435	1998
TNIP3	-0.37125	0.37125	0.64236	-0.49106	0.63115	0.78021	-6.1436	79931
ASF1B	0.37251	0.37251	1.7469	0.49102	0.63117	0.78021	-6.1436	55723
FAM53C	0.35767	0.35767	4.3425	0.49068	0.63141	0.78044	-6.1438	51307
KCNJ18	-0.45757	0.45757	1.1186	-0.49061	0.63146	0.78044	-6.1438	1E+08
LOC100129307	-0.08686	0.086862	0.34294	-0.49054	0.6315	0.78044	-6.1439	1E+08
FERMT1	-0.59024	0.59024	6.1876	-0.49032	0.63166	0.78056	-6.144	55612
STK11	-1.2279	1.2279	9.2512	-0.49027	0.63169	0.78056	-6.144	6794
EBLN3P	0.27273	0.27273	5.2615	0.49012	0.63179	0.78056	-6.1441	1.01E+08
GPX2	-1.0674	1.0674	5.0609	-0.49004	0.63185	0.78056	-6.1441	2877
ZCCHC24	-1.2236	1.2236	6.3266	-0.48992	0.63193	0.78056	-6.1442	219654

MAPK11	-0.53499	0.53499	3.1802	-0.4899	0.63194	0.78056	-6.1442	5600
CLDN24	-0.04845	0.048446	0.22581	-0.4899	0.63195	0.78056	-6.1442	1E+08
ANOS1	-0.06533	0.06533	0.70773	-0.48987	0.63197	0.78056	-6.1442	3730
CAPRIN2	0.11921	0.11921	2.1173	0.48973	0.63207	0.78058	-6.1443	65981
ARIH2	0.21191	0.21191	4.5775	0.48971	0.63208	0.78058	-6.1443	10425
ARID5B	1.3087	1.3087	11.215	0.48946	0.63225	0.78074	-6.1444	84159
HLA-DPA1	0.58409	0.58409	2.7485	0.48929	0.63237	0.78083	-6.1445	3113
RASA3	0.63255	0.63255	3.3005	0.48912	0.63249	0.78092	-6.1446	22821
PTPN22	0.11273	0.11273	0.60574	0.48898	0.63258	0.78093	-6.1447	26191
KPTN	0.19462	0.19462	1.4122	0.48896	0.6326	0.78093	-6.1447	11133
AP4M1	0.38099	0.38099	3.24	0.4889	0.63263	0.78093	-6.1447	9179
C2orf76	0.12363	0.12363	1.2868	0.48872	0.63276	0.78102	-6.1448	130355
ZFX	0.17478	0.17478	2.7271	0.4886	0.63284	0.78107	-6.1448	7543
GINS4	0.098879	0.098879	0.63552	0.48849	0.63292	0.78109	-6.1449	84296
SCLY	0.076318	0.076318	0.93617	0.48844	0.63295	0.78109	-6.1449	51540
GRWD1	-0.76686	0.76686	6.5029	-0.48836	0.63301	0.78111	-6.145	83743
SMIM5	0.22869	0.22869	1.6382	0.48823	0.6331	0.78112	-6.145	643008
ZNF367	0.091037	0.091037	0.70835	0.48821	0.63311	0.78112	-6.145	195828
TICRR	0.11059	0.11059	0.61744	0.48799	0.63327	0.78125	-6.1451	90381
SURF2	0.66009	0.66009	6.0221	0.48787	0.63334	0.78129	-6.1452	6835
PEAR1	-0.2752	0.2752	1.8546	-0.48778	0.63341	0.78132	-6.1453	375033
STRBP	-0.09731	0.09731	1.4004	-0.48761	0.63353	0.78138	-6.1453	55342
CCNI	4.2884	4.2884	53.227	0.48756	0.63356	0.78138	-6.1454	10983
MEFV	0.1884	0.1884	0.65956	0.48706	0.63391	0.78176	-6.1456	4210
IQCJ-SCHIP1-AS1	0.064664	0.064664	0.30581	0.48672	0.63414	0.78189	-6.1458	1.01E+08
LOC154761	0.72166	0.72166	5.1944	0.48668	0.63417	0.78189	-6.1458	154761

ZNF813	-0.07146	0.071459	0.69596	-0.48665	0.63419	0.78189	-6.1458	126017
CHRD	-0.29646	0.29646	1.329	-0.48663	0.6342	0.78189	-6.1458	8646
ZDBF2	-0.05592	0.055917	0.82837	-0.48656	0.63425	0.78189	-6.1459	57683
PYCARD-AS1	-0.11803	0.11803	0.76688	-0.48641	0.63436	0.78197	-6.1459	1.01E+08
SMPDL3A	1.2706	1.2706	8.4602	0.48613	0.63455	0.78207	-6.1461	10924
WDR38	-0.03618	0.03618	0.13041	-0.48612	0.63455	0.78207	-6.1461	401551
COA7	0.3084	0.3084	3.1677	0.48609	0.63457	0.78207	-6.1461	65260
KCNK2	0.072272	0.072272	0.23383	0.48581	0.63477	0.78225	-6.1462	3776
RREB1	-1.0176	1.0176	10.532	-0.48519	0.63519	0.78272	-6.1465	6239
BCL6B	0.62539	0.62539	2.954	0.48495	0.63536	0.78287	-6.1467	255877
BEND3	0.10913	0.10913	0.72025	0.48479	0.63548	0.78295	-6.1467	57673
RMI2	-0.18645	0.18645	1.0467	-0.4846	0.6356	0.783	-6.1468	116028
RNF168	0.63133	0.63133	6.5609	0.4845	0.63567	0.783	-6.1469	165918
IARS2	0.986	0.986	12.293	0.48441	0.63573	0.783	-6.1469	55699
MERTK	-0.22706	0.22706	1.4663	-0.4844	0.63574	0.783	-6.1469	10461
LAMTOR1	2.6896	2.6896	21.573	0.4844	0.63575	0.783	-6.1469	55004
UBE2CP5	-0.14681	0.14681	1.6162	-0.48422	0.63587	0.78309	-6.147	1.01E+08
TLR4	0.40868	0.40868	2.273	0.48405	0.63598	0.78317	-6.1471	7099
IGFBP5	-13.406	13.406	48.867	-0.48389	0.63609	0.78321	-6.1472	3488
LRG1	-0.37049	0.37049	1.4725	-0.48385	0.63612	0.78321	-6.1472	116844
PBRM1	0.32616	0.32616	6.3956	0.48373	0.63621	0.78321	-6.1473	55193
ARHGAP32	0.65225	0.65225	9.8766	0.48368	0.63624	0.78321	-6.1473	9743
USP42	-0.10067	0.10067	2.2661	-0.48368	0.63624	0.78321	-6.1473	84132
KLHDC7B	-0.07586	0.075862	0.24576	-0.4835	0.63637	0.78327	-6.1474	113730
SCARNA26B	-0.05071	0.050705	0.11461	-0.48342	0.63642	0.78327	-6.1474	1.07E+08
ATP5MC2	-1.927	1.927	17.787	-0.4834	0.63643	0.78327	-6.1474	517

FAM20A	-1.306	1.306	5.9025	-0.4833	0.63651	0.7833	-6.1475	54757
C15orf48	-1.0301	1.0301	3.5015	-0.48307	0.63667	0.78344	-6.1476	84419
FLT4	0.26518	0.26518	1.7369	0.48298	0.63673	0.78346	-6.1476	2324
PRKCE	-0.11275	0.11275	1.4647	-0.48282	0.63684	0.78354	-6.1477	5581
CAPN15	-0.92206	0.92206	7.8025	-0.48266	0.63695	0.78362	-6.1478	6650
CFP	0.14536	0.14536	0.80454	0.48253	0.63704	0.78364	-6.1478	5199
TINAGL1	1.3157	1.3157	7.8963	0.4825	0.63706	0.78364	-6.1479	64129
RGS5	1.208	1.208	5.8566	0.48241	0.63712	0.78365	-6.1479	8490
GPR173	-0.10985	0.10985	0.4502	-0.48235	0.63716	0.78365	-6.1479	54328
APOBR	-0.09938	0.09938	0.62083	-0.48207	0.63736	0.78383	-6.1481	55911
CLPB	-0.22005	0.22005	2.3182	-0.48181	0.63754	0.78386	-6.1482	81570
ATIC	-0.84645	0.84645	7.4524	-0.4818	0.63754	0.78386	-6.1482	471
NXF1	-0.71728	0.71728	12.656	-0.4818	0.63755	0.78386	-6.1482	10482
VPS53	-0.20386	0.20386	3.7473	-0.48178	0.63756	0.78386	-6.1482	55275
GPN2	0.38782	0.38782	4.872	0.48135	0.63786	0.78413	-6.1484	54707
STS	0.45852	0.45852	1.9608	0.48133	0.63787	0.78413	-6.1484	412
GGACT	-0.09615	0.096146	0.79673	-0.48106	0.63806	0.78418	-6.1486	87769
CMTM3	0.95862	0.95862	5.6986	0.48093	0.63815	0.78418	-6.1486	123920
KCNS3	-0.15612	0.15612	1.5362	-0.4809	0.63816	0.78418	-6.1486	3790
RAB4B-EGLN2	-0.13639	0.13639	0.788	-0.48089	0.63817	0.78418	-6.1486	1.01E+08
TERF2IP	0.63724	0.63724	9.3618	0.48088	0.63818	0.78418	-6.1487	54386
MRTFA	-0.45168	0.45168	5.6329	-0.48086	0.63819	0.78418	-6.1487	57591
HSPA6	0.53978	0.53978	2.8524	0.48062	0.63836	0.78433	-6.1488	3310
MEST	-0.08429	0.084288	0.79043	-0.48046	0.63847	0.78441	-6.1489	4232
LAP3	-2.412	2.412	12.663	-0.47982	0.63891	0.78489	-6.1492	51056
GPBP1L1	0.86327	0.86327	15.772	0.47967	0.63902	0.78497	-6.1492	60313

CACNA1G	-0.12323	0.12323	0.51598	-0.47938	0.63922	0.78516	-6.1494	8913
CD33	-0.13822	0.13822	0.87956	-0.47922	0.63933	0.78524	-6.1495	945
ALDH4A1	-0.81746	0.81746	5.9641	-0.47913	0.63939	0.78524	-6.1495	8659
STAT3	-4.9402	4.9402	37.75	-0.47908	0.63943	0.78524	-6.1495	6774
EGOT	-0.05869	0.058687	0.25951	-0.47898	0.6395	0.78527	-6.1496	1E+08
TET2	0.23024	0.23024	4.1421	0.47886	0.63958	0.78531	-6.1496	54790
CASP8AP2	0.13891	0.13891	1.8563	0.47875	0.63966	0.78535	-6.1497	9994
GYPC	-1.0724	1.0724	4.6934	-0.47803	0.64015	0.78578	-6.15	2995
TNKS1BP1	-3.9766	3.9766	34.769	-0.47789	0.64025	0.78578	-6.1501	85456
ZNF484	-0.13205	0.13205	1.244	-0.47789	0.64026	0.78578	-6.1501	83744
ITFG1	0.37936	0.37936	4.9994	0.47787	0.64027	0.78578	-6.1501	81533
IGFBP4	-43.356	43.356	142.8	-0.47785	0.64028	0.78578	-6.1501	3487
LOC100506281	-0.05227	0.052268	0.21294	-0.47779	0.64033	0.78578	-6.1502	1.01E+08
SMURF2	-0.33857	0.33857	3.84	-0.47778	0.64033	0.78578	-6.1502	64750
SNRK	0.64425	0.64425	7.2458	0.4775	0.64053	0.78587	-6.1503	54861
TBC1D3P1-DHX40P1	0.04338	0.04338	0.13045	0.47749	0.64053	0.78587	-6.1503	653645
PTGFR	-0.39496	0.39496	2.2151	-0.47734	0.64064	0.78587	-6.1504	5737
DNAJA4	-0.50008	0.50008	5.166	-0.47732	0.64065	0.78587	-6.1504	55466
APOBEC3C	-1.0255	1.0255	5.6978	-0.47729	0.64067	0.78587	-6.1504	27350
FAM71E1	-0.04869	0.048693	0.29008	-0.47727	0.64068	0.78587	-6.1504	112703
PTCHD4	-0.04626	0.046262	0.45528	-0.47704	0.64084	0.78598	-6.1505	442213
SPAG5	0.19812	0.19812	1.4136	0.47701	0.64087	0.78598	-6.1505	10615
SH3BGR	0.0435	0.0435	0.14105	0.47689	0.64094	0.78601	-6.1506	6450
OPA1	0.39242	0.39242	5.6531	0.47669	0.64109	0.78612	-6.1507	4976
TXLNG	-0.09812	0.098122	1.6015	-0.47664	0.64112	0.78612	-6.1507	55787
HLA-DRB1	-0.35278	0.35278	2.9708	-0.47639	0.6413	0.78628	-6.1508	3123

PDE1A	0.088929	0.088929	0.43084	0.47605	0.64153	0.7865	-6.151	5136
BFAR	0.38438	0.38438	3.7055	0.47591	0.64163	0.78657	-6.1511	51283
NANP	0.085314	0.085314	0.86354	0.4758	0.64171	0.7866	-6.1511	140838
NCKAP5L	-0.33275	0.33275	2.9091	-0.47567	0.64179	0.78666	-6.1512	57701
PSMG1	0.73721	0.73721	5.5236	0.4755	0.64191	0.78671	-6.1513	8624
ABCF2	0.52037	0.52037	5.4932	0.47547	0.64193	0.78671	-6.1513	10061
RPL39L	0.42505	0.42505	2.1099	0.4752	0.64212	0.78685	-6.1514	116832
PUF60	-1.1611	1.1611	14.242	-0.47517	0.64214	0.78685	-6.1514	22827
LOX	0.79711	0.79711	5.1705	0.47509	0.6422	0.78687	-6.1515	4015
HNRNPR	-0.59002	0.59002	7.1412	-0.4748	0.6424	0.78699	-6.1516	10236
SBDSP1	0.3478	0.3478	3.5533	0.47476	0.64243	0.78699	-6.1516	155370
HUNK	0.090061	0.090061	0.60596	0.47473	0.64245	0.78699	-6.1516	30811
CBWD6	-0.08378	0.083781	0.90618	-0.47464	0.64251	0.78699	-6.1517	644019
PPM1B	-0.1543	0.1543	2.5486	-0.47461	0.64253	0.78699	-6.1517	5495
BARD1	-0.1473	0.1473	1.9576	-0.47431	0.64274	0.78714	-6.1518	580
TP53TG1	0.5786	0.5786	4.4423	0.4743	0.64274	0.78714	-6.1518	11257
POC5	-0.10287	0.10287	1.0221	-0.47421	0.64281	0.78716	-6.1519	134359
CLSTN1	-3.3986	3.3986	35.5	-0.47405	0.64292	0.78719	-6.152	22883
TSPAN9	-1.0124	1.0124	9.0098	-0.47403	0.64293	0.78719	-6.152	10867
YARS2	0.25534	0.25534	2.938	0.47396	0.64298	0.7872	-6.152	51067
C2CD4A	0.077884	0.077884	0.30739	0.47379	0.6431	0.78725	-6.1521	145741
AKT2	0.79691	0.79691	10.902	0.47377	0.64312	0.78725	-6.1521	208
CEP120	-0.17907	0.17907	1.787	-0.47362	0.64322	0.78732	-6.1522	153241
LOC389641	-0.04443	0.044431	0.42191	-0.47348	0.64332	0.78738	-6.1522	389641
TRIM24	-0.1429	0.1429	2.4863	-0.4733	0.64344	0.78747	-6.1523	8805
KDM1A	0.82882	0.82882	10.652	0.47273	0.64384	0.78787	-6.1526	23028

AKR1C3	0.59842	0.59842	4.3448	0.4727	0.64386	0.78787	-6.1526	8644
SRPRB	0.55432	0.55432	5.8633	0.47261	0.64392	0.78789	-6.1527	58477
SNORA70G	0.11279	0.11279	0.68182	0.47237	0.64409	0.78804	-6.1528	1E+08
TMEM35B	-0.35268	0.35268	2.7085	-0.47225	0.64418	0.78809	-6.1528	1.01E+08
TMED4	0.28415	0.28415	6.9344	0.47196	0.64437	0.78827	-6.153	222068
THAP9-AS1	-0.31363	0.31363	3.1058	-0.47152	0.64468	0.78859	-6.1532	1E+08
TGFBR3L	-0.07158	0.071583	0.2983	-0.47137	0.64478	0.78866	-6.1533	1.01E+08
PPWD1	-0.29098	0.29098	4.4043	-0.47098	0.64505	0.78888	-6.1534	23398
EIF3L	-4.1675	4.1675	57.369	-0.47098	0.64505	0.78888	-6.1534	51386
CD209	-0.87285	0.87285	2.9144	-0.47068	0.64527	0.78902	-6.1536	30835
RNF138	0.21023	0.21023	2.339	0.47062	0.64531	0.78902	-6.1536	51444
DUT	0.82914	0.82914	7.0292	0.47052	0.64538	0.78902	-6.1537	1854
FAM72B	0.045241	0.045241	0.23062	0.47042	0.64545	0.78902	-6.1537	653820
LINC00654	-0.04634	0.046342	0.25636	-0.47035	0.64549	0.78902	-6.1537	149837
LDB2	0.41211	0.41211	3.056	0.47033	0.64551	0.78902	-6.1538	9079
CD63	9.0758	9.0758	48.853	0.47031	0.64552	0.78902	-6.1538	967
CALHM2	0.72011	0.72011	4.7291	0.47026	0.64556	0.78902	-6.1538	51063
CBY1	-0.35432	0.35432	3.7579	-0.47021	0.64559	0.78902	-6.1538	25776
ALDH3B1	-0.23384	0.23384	1.3896	-0.47009	0.64567	0.78902	-6.1539	221
IL2RG	0.36832	0.36832	2.4392	0.47008	0.64568	0.78902	-6.1539	3561
ABHD14A-ACY1	-0.09746	0.097464	0.47592	-0.47001	0.64573	0.78902	-6.1539	1.01E+08
MID1IP1-AS1	-0.04669	0.046693	0.24407	-0.46992	0.6458	0.78904	-6.154	1.01E+08
ARFIP2	0.30639	0.30639	4.6941	0.46983	0.64586	0.78906	-6.154	23647
POLD3	-0.19381	0.19381	1.9137	-0.46955	0.64605	0.78924	-6.1541	10714
NLRP10	1.3584	1.3584	3.5	0.46938	0.64617	0.78925	-6.1542	338322
GUSB	-0.58087	0.58087	5.5925	-0.46935	0.64619	0.78925	-6.1542	2990

MEOX2	-0.2884	0.2884	1.7998	-0.46933	0.6462	0.78925	-6.1542	4223
CYREN	-0.3666	0.3666	3.2313	-0.46912	0.64635	0.78936	-6.1543	78996
TMEM209	-0.20831	0.20831	2.2074	-0.46907	0.64638	0.78936	-6.1544	84928
IL32	0.93498	0.93498	5.4652	0.46895	0.64647	0.7894	-6.1544	9235
COPS7A	0.80642	0.80642	9.2236	0.46883	0.64655	0.78941	-6.1545	50813
BCCIP	0.31183	0.31183	3.5175	0.46881	0.64657	0.78941	-6.1545	56647
PIK3R3	-0.45753	0.45753	2.4262	-0.46864	0.64669	0.78946	-6.1546	8503
RNASE6	0.50803	0.50803	2.1756	0.46859	0.64672	0.78946	-6.1546	6039
EGLN3	2.538	2.538	17.853	0.46856	0.64674	0.78946	-6.1546	112399
MESD	0.20303	0.20303	3.3592	0.46842	0.64684	0.78948	-6.1547	23184
KCNE3	0.12315	0.12315	0.61722	0.46839	0.64686	0.78948	-6.1547	10008
HENMT1	0.14184	0.14184	1.0439	0.46822	0.64698	0.78957	-6.1548	113802
FTH1P3	0.089862	0.089862	0.42669	0.46799	0.64714	0.78971	-6.1549	2498
MCM2	-0.6085	0.6085	3.3291	-0.46728	0.64764	0.79026	-6.1552	4171
C3orf62	-0.0847	0.0847	1.1841	-0.46714	0.64773	0.79032	-6.1553	375341
MRPL30	0.31967	0.31967	3.74	0.46634	0.64829	0.79088	-6.1557	51263
TRIM37	0.1182	0.1182	2.1616	0.46632	0.64831	0.79088	-6.1557	4591
FASTKD3	0.085533	0.085533	0.9736	0.46628	0.64833	0.79088	-6.1557	79072
CXCL17	-0.15245	0.15245	0.55376	-0.46608	0.64847	0.79099	-6.1558	284340
PTPRM	-0.92173	0.92173	5.988	-0.46592	0.64858	0.79107	-6.1559	5797
NUP188	-0.51831	0.51831	6.842	-0.46561	0.6488	0.79128	-6.156	23511
RETREG1	0.16058	0.16058	1.1044	0.46515	0.64912	0.79161	-6.1562	54463
ECPAS	0.49663	0.49663	11.086	0.46506	0.64919	0.79163	-6.1563	23392
PRIM1	-0.16886	0.16886	1.6506	-0.465	0.64923	0.79163	-6.1563	5557
TRPV1	-0.08146	0.081455	0.97581	-0.46487	0.64932	0.79168	-6.1564	7442
JAK3	0.43584	0.43584	1.9949	0.46455	0.64954	0.79181	-6.1565	3718

POP1	0.14789	0.14789	1.2286	0.46455	0.64954	0.79181	-6.1565	10940
DACT3	-0.23503	0.23503	1.1123	-0.46452	0.64956	0.79181	-6.1565	147906
FMOD	2.437	2.437	13.721	0.46425	0.64975	0.79193	-6.1566	2331
GNAO1	-0.08367	0.083668	0.44809	-0.46419	0.64979	0.79193	-6.1567	2775
RFLNA	-0.10265	0.10265	0.29636	-0.46412	0.64984	0.79193	-6.1567	144347
ANKRD28	0.31456	0.31456	3.7719	0.464	0.64992	0.79193	-6.1568	23243
MFAP3L	1.0724	1.0724	3.6085	0.464	0.64992	0.79193	-6.1568	9848
CHURC1-FNTB	0.41496	0.41496	2.7357	0.46398	0.64994	0.79193	-6.1568	1.01E+08
CXCR3	-0.05561	0.055609	0.27111	-0.4638	0.65007	0.79203	-6.1569	2833
IGSF21	-0.19888	0.19888	0.71054	-0.46342	0.65033	0.79228	-6.157	84966
TYMSOS	-0.08224	0.082242	0.2551	-0.46336	0.65037	0.79228	-6.1571	494514
SMARCD1	-0.21707	0.21707	3.2197	-0.46316	0.65051	0.7924	-6.1572	56916
EPHA3	-0.06833	0.06833	0.38946	-0.46301	0.65062	0.79243	-6.1572	2042
SMYD3	-0.29224	0.29224	2.3674	-0.46299	0.65063	0.79243	-6.1572	64754
PPIL3	0.35786	0.35786	3.4306	0.46285	0.65073	0.79248	-6.1573	53938
MED4-AS1	-0.05435	0.054346	0.24406	-0.46274	0.6508	0.79248	-6.1574	1.01E+08
SMPD1	1.0276	1.0276	8.7293	0.46269	0.65084	0.79248	-6.1574	6609
SYNDIG1	0.044432	0.044432	0.12542	0.46266	0.65086	0.79248	-6.1574	79953
FDFT1	1.1215	1.1215	12.368	0.46259	0.65091	0.79248	-6.1574	2222
PAFAH1B3	-0.48817	0.48817	3.2259	-0.4621	0.65125	0.79267	-6.1577	5050
SPCS2	0.56905	0.56905	7.0176	0.46205	0.65129	0.79267	-6.1577	9789
FKBP4	1.2499	1.2499	11.993	0.46194	0.65136	0.79267	-6.1577	2288
MCRIP2	-0.24677	0.24677	1.6689	-0.46193	0.65137	0.79267	-6.1577	84331
PKD2	0.36366	0.36366	3.337	0.46186	0.65142	0.79267	-6.1578	5311
BMI1	-0.23756	0.23756	3.051	-0.46184	0.65143	0.79267	-6.1578	648
MBIP	0.28448	0.28448	3.2555	0.46177	0.65149	0.79267	-6.1578	51562

CD40	-0.29327	0.29327	2.2053	-0.46174	0.6515	0.79267	-6.1578	958
USP25	-0.22905	0.22905	3.9806	-0.46168	0.65155	0.79267	-6.1579	29761
HAGHL	0.13693	0.13693	0.67692	0.46164	0.65157	0.79267	-6.1579	84264
CFB	-0.28751	0.28751	0.80272	-0.46163	0.65158	0.79267	-6.1579	629
WNT10A	-0.40069	0.40069	2.076	-0.46145	0.65171	0.79269	-6.158	80326
GCNT1	-0.0806	0.080604	0.597	-0.46142	0.65173	0.79269	-6.158	2650
ARMCX1	-0.3371	0.3371	2.6941	-0.46134	0.65178	0.79269	-6.158	51309
NLRP2	0.35352	0.35352	0.8919	0.46124	0.65185	0.79269	-6.1581	55655
RECK	-0.21669	0.21669	1.6328	-0.46121	0.65187	0.79269	-6.1581	8434
ASGR1	-0.09154	0.091543	0.53532	-0.4612	0.65188	0.79269	-6.1581	432
GPR75-ASB3	0.12307	0.12307	1.1253	0.46092	0.65207	0.79287	-6.1582	1E+08
ITGB4	-6.6113	6.6113	39.46	-0.46079	0.65217	0.79293	-6.1583	3691
SLC2A10	0.31592	0.31592	1.7798	0.46066	0.65226	0.79298	-6.1583	81031
PAM16	-0.4499	0.4499	3.3551	-0.4599	0.65279	0.79357	-6.1587	51025
AURKB	0.30862	0.30862	1.5374	0.45972	0.65292	0.79357	-6.1588	9212
RNF4	0.47544	0.47544	7.9278	0.45962	0.65299	0.79357	-6.1588	6047
PCMTD1	-0.40133	0.40133	5.2072	-0.45959	0.65301	0.79357	-6.1588	115294
NUDT4	-0.16405	0.16405	1.8316	-0.45955	0.65304	0.79357	-6.1589	11163
KLF16	0.73576	0.73576	7.0435	0.45936	0.65317	0.79357	-6.159	83855
FHOD3	-0.19452	0.19452	1.2029	-0.45934	0.65318	0.79357	-6.159	80206
SNORA3B	0.06452	0.06452	0.31738	0.45923	0.65326	0.79357	-6.159	677826
PHLPP2	0.051152	0.051152	0.80844	0.4591	0.65335	0.79357	-6.1591	23035
UTP23	0.14366	0.14366	1.6866	0.4591	0.65335	0.79357	-6.1591	84294
LOC100128079	-0.03573	0.035734	0.17666	-0.45905	0.65339	0.79357	-6.1591	1E+08
TOMM22	1.1386	1.1386	11.251	0.45903	0.6534	0.79357	-6.1591	56993
MSRA	-0.30894	0.30894	2.5729	-0.45897	0.65345	0.79357	-6.1591	4482

RHOH	0.057598	0.057598	0.31969	0.45894	0.65346	0.79357	-6.1591	399
BIVM	0.11488	0.11488	1.311	0.4589	0.65349	0.79357	-6.1592	54841
PDE3B	0.11473	0.11473	0.67546	0.4589	0.65349	0.79357	-6.1592	5140
CSNK1G2	-1.0621	1.0621	11.501	-0.45871	0.65362	0.79367	-6.1593	1455
RTN3	0.75515	0.75515	10.881	0.45862	0.65369	0.79369	-6.1593	10313
THOC2	-0.25988	0.25988	4.6902	-0.45842	0.65383	0.7938	-6.1594	57187
AQP7P1	-0.07583	0.075833	0.36448	-0.45827	0.65394	0.79387	-6.1595	375719
NOL3	-1.122	1.122	7.7904	-0.45794	0.65416	0.79404	-6.1596	8996
P3H2	0.18774	0.18774	2.1569	0.45793	0.65417	0.79404	-6.1596	55214
PSAP	12.555	12.555	141.64	0.45776	0.65429	0.79413	-6.1597	5660
LINC01197	0.054392	0.054392	0.29536	0.45748	0.65449	0.79432	-6.1598	400456
MKRN2	0.34363	0.34363	5.4374	0.45731	0.6546	0.79437	-6.1599	23609
PIAS4	-0.3588	0.3588	4.1648	-0.45728	0.65463	0.79437	-6.1599	51588
PCBP3	0.10832	0.10832	0.50298	0.45717	0.65471	0.79441	-6.16	54039
SNORA74A	-1.2873	1.2873	9.3571	-0.45709	0.65476	0.79442	-6.16	26821
CCM2L	-0.15212	0.15212	1.0082	-0.45692	0.65488	0.79451	-6.1601	140706
HMGN4	0.71644	0.71644	6.8798	0.45674	0.655	0.7946	-6.1602	10473
NEK6	-0.5507	0.5507	3.9098	-0.4566	0.6551	0.79466	-6.1602	10783
RPE	0.29365	0.29365	4.1319	0.4564	0.65524	0.79478	-6.1603	6120
SEMA6B	0.55654	0.55654	3.0246	0.45603	0.65551	0.79504	-6.1605	10501
LOC101927402	-0.04692	0.046921	0.30807	-0.45572	0.65572	0.79524	-6.1606	1.02E+08
LGALS8-AS1	-0.04138	0.041382	0.1787	-0.45565	0.65577	0.79524	-6.1607	1E+08
KIF9	-0.05391	0.053909	0.54729	-0.45529	0.65602	0.79549	-6.1608	64147
ZNF827	-0.13163	0.13163	1.605	-0.45518	0.6561	0.79553	-6.1609	152485
EPHA1	0.72827	0.72827	7.1721	0.45502	0.65621	0.7956	-6.161	2041
CLPTM1L	0.8283	0.8283	11.246	0.45493	0.65627	0.79562	-6.161	81037

RPRM	0.076797	0.076797	0.34094	0.45482	0.65635	0.79563	-6.1611	56475
CCDC47	1.0884	1.0884	15.036	0.45473	0.65642	0.79563	-6.1611	57003
MCM3	-0.94018	0.94018	6.8643	-0.45469	0.65644	0.79563	-6.1611	4172
BST1	0.23389	0.23389	1.0253	0.45462	0.65649	0.79563	-6.1612	683
ERCC1	-0.60315	0.60315	10.885	-0.45459	0.65651	0.79563	-6.1612	2067
RBMX	-0.88092	0.88092	13.304	-0.45448	0.65659	0.79567	-6.1612	27316
TBC1D10A	-0.96515	0.96515	9.5945	-0.45436	0.65668	0.79571	-6.1613	83874
UTP3	0.56848	0.56848	5.6932	0.4543	0.65672	0.79571	-6.1613	57050
FAM3A	0.77426	0.77426	8.0117	0.45402	0.65691	0.79589	-6.1614	60343
SLC30A2	0.097052	0.097052	0.26286	0.45394	0.65697	0.7959	-6.1615	7780
DGKZ	-0.66367	0.66367	6.2341	-0.45385	0.65703	0.79592	-6.1615	8525
VSIR	-0.77233	0.77233	8.6578	-0.45357	0.65723	0.7961	-6.1616	64115
SDCCAG8	-0.18374	0.18374	2.9058	-0.45339	0.65736	0.7962	-6.1617	10806
PDE7A	-0.1122	0.1122	1.3959	-0.45315	0.65753	0.79634	-6.1618	5150
STK10	0.45725	0.45725	4.2433	0.45292	0.65769	0.79648	-6.1619	6793
DNAJC24	0.10379	0.10379	1.6387	0.45278	0.65779	0.79652	-6.162	120526
KDSR	-0.50329	0.50329	7.3114	-0.45269	0.65784	0.79652	-6.162	2531
LAIR1	-0.45202	0.45202	2.411	-0.45267	0.65786	0.79652	-6.1621	3903
PRR14L	0.27507	0.27507	5.3204	0.45254	0.65795	0.79658	-6.1621	253143
ATP2C2	0.70568	0.70568	5.8159	0.45244	0.65803	0.79661	-6.1622	9914
OXR1	0.53644	0.53644	5.0176	0.4522	0.65819	0.79674	-6.1623	55074
SPAG16	-0.12355	0.12355	1.3479	-0.45215	0.65823	0.79674	-6.1623	79582
LOC646626	0.038928	0.038928	0.16041	0.45203	0.65831	0.79678	-6.1624	646626
WDR82	-0.74094	0.74094	12.737	-0.45186	0.65843	0.79687	-6.1624	80335
EBF3	-0.15588	0.15588	1.1125	-0.45178	0.65849	0.79688	-6.1625	253738
DGAT1	-0.24546	0.24546	3.4179	-0.45139	0.65876	0.79715	-6.1626	8694

ABHD15	0.15499	0.15499	1.8531	0.45118	0.65891	0.79728	-6.1627	116236
CTBP1	-1.5656	1.5656	18.177	-0.45073	0.65922	0.79759	-6.1629	1487
ANKRD12	-0.37047	0.37047	4.5312	-0.45068	0.65926	0.79759	-6.163	23253
MEN1	-0.35998	0.35998	3.7631	-0.4506	0.65932	0.7976	-6.163	4221
IK	1.0418	1.0418	13.789	0.4503	0.65953	0.79775	-6.1631	3550
NFKB2	-0.46919	0.46919	4.4822	-0.45024	0.65957	0.79775	-6.1632	4791
USP37	-0.09235	0.092354	1.6276	-0.45016	0.65963	0.79775	-6.1632	57695
MATK	-0.06051	0.06051	0.3341	-0.45014	0.65964	0.79775	-6.1632	4145
IFI27L1	-0.17507	0.17507	1.8174	-0.45001	0.65973	0.79781	-6.1633	122509
SPARCL1	6.1978	6.1978	30.881	0.44978	0.65989	0.79795	-6.1634	8404
LINC00924	0.043692	0.043692	0.16454	0.44955	0.66005	0.79809	-6.1635	145820
FGF2	-0.14094	0.14094	0.88478	-0.44942	0.66014	0.79814	-6.1636	2247
KANSL2	-0.15899	0.15899	4.2625	-0.44934	0.6602	0.79815	-6.1636	54934
TIMELESS	-0.26255	0.26255	1.6786	-0.44913	0.66035	0.79828	-6.1637	8914
SLC5A6	-0.32235	0.32235	3.0058	-0.44892	0.6605	0.79837	-6.1638	8884
GSTT2B	-0.27908	0.27908	1.0345	-0.44889	0.66052	0.79837	-6.1638	653689
ORAI2	0.14488	0.14488	1.0042	0.4487	0.66065	0.79847	-6.1639	80228
EVPL	-4.0793	4.0793	31.767	-0.44851	0.66079	0.79857	-6.164	2125
NAA80	-0.14614	0.14614	2.2936	-0.44831	0.66093	0.79869	-6.1641	24142
NBEAL1	-0.23109	0.23109	3.4053	-0.44811	0.66107	0.79874	-6.1642	65065
DCTN3	1.3627	1.3627	16.171	0.44805	0.66111	0.79874	-6.1642	11258
ICE1	-0.2534	0.2534	4.2247	-0.44799	0.66115	0.79874	-6.1642	23379
MRPS24	1.9889	1.9889	16.039	0.44798	0.66116	0.79874	-6.1642	64951
NUP205	-0.4772	0.4772	6.6702	-0.4479	0.66122	0.79875	-6.1642	23165
SCCPDH	-0.40001	0.40001	2.5773	-0.44774	0.66133	0.79875	-6.1643	51097
FRMD6-AS2	-0.04236	0.042357	0.24493	-0.44768	0.66137	0.79875	-6.1644	1.01E+08

MRPL19	0.23267	0.23267	2.8796	0.44754	0.66147	0.79875	-6.1644	9801
VGLL4	0.72206	0.72206	8.4368	0.4474	0.66157	0.79875	-6.1645	9686
IP6K2	-0.57532	0.57532	8.2913	-0.44738	0.66158	0.79875	-6.1645	51447
PHPT1	-0.88005	0.88005	9.3758	-0.44735	0.6616	0.79875	-6.1645	29085
LOC100996842	-0.12355	0.12355	1.3773	-0.44735	0.6616	0.79875	-6.1645	1.01E+08
UBR4	-0.6372	0.6372	13.888	-0.44732	0.66163	0.79875	-6.1645	23352
RELL1	0.78044	0.78044	7.6775	0.44727	0.66166	0.79875	-6.1645	768211
FBXL2	0.062216	0.062216	0.74379	0.44714	0.66175	0.79875	-6.1646	25827
DNAJA3	-0.43746	0.43746	5.3261	-0.44709	0.66179	0.79875	-6.1646	9093
ARHGEF17	-0.6527	0.6527	4.0802	-0.44698	0.66187	0.79875	-6.1647	9828
SNORA4	-0.14895	0.14895	1.1387	-0.44697	0.66187	0.79875	-6.1647	619568
ATXN2L	-1.0032	1.0032	14.841	-0.4469	0.66192	0.79875	-6.1647	11273
APCDD1	-2.3919	2.3919	32.487	-0.4469	0.66192	0.79875	-6.1647	147495
SMAD9	-0.07668	0.076683	0.7098	-0.44664	0.66211	0.79891	-6.1648	4093
ADCK2	-0.71351	0.71351	6.5414	-0.44651	0.6622	0.79896	-6.1649	90956
ELAC1	-0.12923	0.12923	1.0964	-0.44606	0.66251	0.79924	-6.1651	55520
HYI	-0.30305	0.30305	2.8212	-0.44601	0.66255	0.79924	-6.1651	81888
DUSP9	0.058946	0.058946	0.18909	0.44598	0.66257	0.79924	-6.1651	1852
GTF3C2	-0.39315	0.39315	8.0594	-0.44584	0.66267	0.79925	-6.1652	2976
LINC00839	0.046243	0.046243	0.28263	0.44572	0.66275	0.79925	-6.1652	84856
ZNF444	-0.48866	0.48866	3.1175	-0.4457	0.66277	0.79925	-6.1652	55311
C8orf58	0.47845	0.47845	4.1978	0.4457	0.66277	0.79925	-6.1653	541565
CX3CR1	-0.06142	0.06142	0.40638	-0.44561	0.66283	0.79927	-6.1653	1524
TCF4	0.68327	0.68327	7.1873	0.44553	0.66289	0.79928	-6.1653	6925
AP5S1	0.20728	0.20728	2.3712	0.44535	0.66302	0.79938	-6.1654	55317
IFNGR2	2.3857	2.3857	17.28	0.44518	0.66313	0.79946	-6.1655	3460

UTP14A	0.34526	0.34526	3.5257	0.44508	0.6632	0.79948	-6.1655	10813
EDNRB	-0.40545	0.40545	2.4031	-0.44503	0.66324	0.79948	-6.1656	1910
PTPN9	0.44767	0.44767	4.4375	0.44491	0.66333	0.79952	-6.1656	5780
SYNCRIP	0.90954	0.90954	11.702	0.4448	0.6634	0.79952	-6.1657	10492
SARS2	-0.19643	0.19643	2.633	-0.4447	0.66347	0.79952	-6.1657	54938
PMFBP1	-0.04092	0.040919	0.2902	-0.4447	0.66347	0.79952	-6.1657	83449
ATRN	-0.32569	0.32569	5.8212	-0.44463	0.66352	0.79952	-6.1657	8455
REEP4	1.4643	1.4643	15.059	0.44458	0.66356	0.79952	-6.1658	80346
FAM133B	-0.16746	0.16746	1.9581	-0.44417	0.66385	0.79981	-6.1659	257415
ZNF841	0.33772	0.33772	3.0738	0.44365	0.66421	0.80019	-6.1662	284371
NDUFV3	-0.44492	0.44492	6.76	-0.44346	0.66435	0.80023	-6.1663	4731
VAT1	8.2383	8.2383	51.344	0.4434	0.66439	0.80023	-6.1663	10493
CHKB-DT	-0.06269	0.062689	0.38582	-0.44332	0.66445	0.80023	-6.1663	1E+08
FAM219B	0.62316	0.62316	8.5979	0.4433	0.66446	0.80023	-6.1663	57184
NCAM1	-0.0409	0.040895	0.12909	-0.44327	0.66448	0.80023	-6.1663	4684
HTRA2	0.25414	0.25414	2.7281	0.44314	0.66457	0.80028	-6.1664	27429
MAST2	-0.28841	0.28841	3.4272	-0.44297	0.6647	0.80032	-6.1665	23139
FPGS	-0.8258	0.8258	5.4287	-0.44291	0.66474	0.80032	-6.1665	2356
IMPACT	0.2549	0.2549	3.6102	0.4429	0.66474	0.80032	-6.1665	55364
SMPD2	0.89691	0.89691	5.9003	0.44238	0.66511	0.8007	-6.1668	6610
PPP3CB	0.29945	0.29945	4.578	0.44212	0.66529	0.80087	-6.1669	5532
UBXN10-AS1	-0.02989	0.029892	0.089988	-0.44202	0.66536	0.80089	-6.1669	1.02E+08
LCE3C	5.5701	5.5701	14.789	0.44162	0.66565	0.80118	-6.1671	353144
LENG1	-0.2511	0.2511	2.8487	-0.44143	0.66578	0.80128	-6.1672	79165
ATAD1	0.27978	0.27978	4.1103	0.44136	0.66583	0.80128	-6.1672	84896
CXCL12	-3.2413	3.2413	15.036	-0.44122	0.66593	0.80134	-6.1673	6387

ZNF829	-0.04494	0.044943	0.43045	-0.44113	0.66599	0.80137	-6.1673	374899
IPO4	-0.56493	0.56493	5.8744	-0.4409	0.66615	0.8015	-6.1674	79711
C6orf47	-0.07313	0.073131	0.78194	-0.44076	0.66625	0.80151	-6.1675	57827
TMEM170B	0.071245	0.071245	0.47057	0.44076	0.66625	0.80151	-6.1675	1E+08
CD320	-0.4449	0.4449	3.1764	-0.44056	0.6664	0.80162	-6.1676	51293
EAF2	0.075813	0.075813	0.52239	0.44038	0.66652	0.8017	-6.1677	55840
KIF26A	-0.19425	0.19425	1.1645	-0.44028	0.66659	0.8017	-6.1677	26153
DLL4	0.32446	0.32446	1.9897	0.44027	0.6666	0.8017	-6.1677	54567
FBLL1	0.045795	0.045795	0.13297	0.44012	0.6667	0.80176	-6.1678	345630
LCE3B	-0.18425	0.18425	0.31787	-0.43996	0.66682	0.80177	-6.1678	353143
RPL7A	-39.829	39.829	504.08	-0.43995	0.66683	0.80177	-6.1678	6130
FAM110C	0.8881	0.8881	8.0747	0.43991	0.66685	0.80177	-6.1679	642273
N4BP2	-0.12787	0.12787	1.9456	-0.43975	0.66697	0.80183	-6.1679	55728
LTV1	0.35722	0.35722	4.7994	0.43968	0.66701	0.80183	-6.168	84946
TM7SF3	-0.47391	0.47391	6.0596	-0.43961	0.66706	0.80183	-6.168	51768
NAPSB	0.14051	0.14051	0.87241	0.43957	0.66709	0.80183	-6.168	256236
ACTL6A	0.61276	0.61276	6.4267	0.43947	0.66716	0.80186	-6.1681	86
NR2F6	1.3604	1.3604	11.362	0.43941	0.66721	0.80186	-6.1681	2063
RABEPK	0.28949	0.28949	3.7149	0.43925	0.66732	0.80193	-6.1682	10244
SASH3	0.26547	0.26547	1.5283	0.43915	0.66739	0.80195	-6.1682	54440
EFEMP1	-1.2717	1.2717	9.9573	-0.4391	0.66743	0.80195	-6.1682	2202
ASF1A	0.23647	0.23647	3.2396	0.43891	0.66756	0.80202	-6.1683	25842
THBS3	-0.43652	0.43652	4.5542	-0.43888	0.66758	0.80202	-6.1683	7059
ZNF330	0.38977	0.38977	4.5505	0.43879	0.66765	0.80204	-6.1684	27309
LINC00997	0.071764	0.071764	0.65529	0.43855	0.66781	0.80218	-6.1685	401321
LOC101927989	-0.05884	0.05884	0.46342	-0.43779	0.66835	0.80276	-6.1688	1.02E+08

ELMOD1	1.5332	1.5332	4.2307	0.43774	0.66839	0.80276	-6.1688	55531
CAPRIN1	1.2243	1.2243	15.82	0.43766	0.66844	0.80276	-6.1689	4076
PLCB2	-0.13331	0.13331	0.76864	-0.43761	0.66848	0.80276	-6.1689	5330
DVL3	-0.52862	0.52862	10.92	-0.43753	0.66853	0.80276	-6.1689	1857
FAM160B1	-0.20875	0.20875	2.8712	-0.43744	0.6686	0.80278	-6.169	57700
TRIM7	-0.42001	0.42001	4.0407	-0.43688	0.66899	0.8032	-6.1692	81786
BBS12	0.053832	0.053832	0.4217	0.43682	0.66904	0.8032	-6.1692	166379
DUSP2	0.10823	0.10823	1.1365	0.4367	0.66913	0.80322	-6.1693	1844
SERF1A	0.059211	0.059211	0.55437	0.43666	0.66915	0.80322	-6.1693	8293
GTPBP10	-0.08221	0.082212	1.0261	-0.43653	0.66925	0.80325	-6.1694	85865
VASH1	0.36386	0.36386	2.656	0.4365	0.66927	0.80325	-6.1694	22846
TBRG1	-0.11918	0.11918	2.9431	-0.43641	0.66933	0.80326	-6.1694	84897
BLOC1S5-TXNDC5	-0.09049	0.090489	0.74923	-0.43627	0.66943	0.80332	-6.1695	1.01E+08
COL16A1	-3.3167	3.3167	15.592	-0.43618	0.66949	0.80334	-6.1695	1307
ENY2	0.39942	0.39942	3.3383	0.43605	0.66959	0.8034	-6.1696	56943
GOLGA2P10	-0.5035	0.5035	2.7285	-0.43587	0.66971	0.80349	-6.1697	80154
NECAP2	-0.90719	0.90719	11.656	-0.43566	0.66986	0.80358	-6.1698	55707
THG1L	-0.09889	0.098894	1.3864	-0.43563	0.66988	0.80358	-6.1698	54974
PSTPIP1	0.14101	0.14101	0.95839	0.43554	0.66994	0.8036	-6.1698	9051
REV1	-0.19208	0.19208	4.3257	-0.43547	0.66999	0.8036	-6.1698	51455
ORC3	-0.23629	0.23629	2.7587	-0.43491	0.67039	0.80402	-6.1701	23595
SNHG25	0.037181	0.037181	0.079395	0.43474	0.67051	0.80411	-6.1702	1.05E+08
RIOX1	-0.18089	0.18089	2.3963	-0.43461	0.6706	0.80416	-6.1702	79697
C19orf12	0.14204	0.14204	1.8135	0.43435	0.67079	0.8043	-6.1703	83636
DOCK5	0.21191	0.21191	2.7097	0.43431	0.67082	0.8043	-6.1704	80005
RAMP2	1.7314	1.7314	11.295	0.43398	0.67105	0.80444	-6.1705	10266

HOXB7	-0.12684	0.12684	0.79952	-0.43398	0.67105	0.80444	-6.1705	3217
CTU2	-0.30362	0.30362	2.5027	-0.43394	0.67108	0.80444	-6.1705	348180
KANSL1-AS1	0.10249	0.10249	0.50905	0.43368	0.67126	0.8045	-6.1706	644246
SNU13	1.1383	1.1383	14.769	0.43368	0.67126	0.8045	-6.1706	4809
PKN3	-0.21725	0.21725	1.7314	-0.43367	0.67127	0.8045	-6.1706	29941
EIF3G	-2.4893	2.4893	35.328	-0.43345	0.67143	0.80463	-6.1707	8666
GTF2H5	0.079649	0.079649	0.79373	0.43339	0.67147	0.80463	-6.1708	404672
ERCC8	-0.09692	0.096915	1.202	-0.43323	0.67158	0.80471	-6.1708	1161
EGLN2	0.80715	0.80715	7.8089	0.43289	0.67182	0.80494	-6.171	112398
PRELID3A	-0.0794	0.079399	0.70706	-0.43276	0.67192	0.80499	-6.171	10650
GTF2H2	-0.05858	0.058583	0.45627	-0.43232	0.67222	0.80526	-6.1712	2966
CREB5	0.12245	0.12245	1.0755	0.43231	0.67224	0.80526	-6.1712	9586
LZTS1-AS1	-0.03568	0.03568	0.11334	-0.43209	0.67239	0.80539	-6.1713	1.01E+08
CHMP2A	2.5695	2.5695	27.428	0.43185	0.67256	0.80554	-6.1715	27243
PRR5	-0.24292	0.24292	2.2398	-0.43174	0.67264	0.80557	-6.1715	55615
HYAL1	-0.37029	0.37029	4.2585	-0.43168	0.67268	0.80557	-6.1715	3373
PIIP5K2	0.18526	0.18526	2.6418	0.43146	0.67284	0.8057	-6.1716	23262
DOK6	-0.042	0.041997	0.21503	-0.43116	0.67305	0.80589	-6.1718	220164
ACTR6	0.15793	0.15793	1.5148	0.4311	0.67309	0.80589	-6.1718	64431
LINC00987	-0.03629	0.036288	0.21554	-0.43088	0.67325	0.80602	-6.1719	1E+08
FCGR2B	-0.38717	0.38717	2.5348	-0.43072	0.67336	0.80605	-6.1719	2213
RHBDF2	-0.66785	0.66785	7.1554	-0.43071	0.67337	0.80605	-6.172	79651
MAFK	0.49246	0.49246	5.5016	0.43039	0.6736	0.80626	-6.1721	7975
CRB3	0.60826	0.60826	4.7863	0.43033	0.67364	0.80626	-6.1721	92359
RFWD3	-0.25336	0.25336	3.9751	-0.43025	0.6737	0.80627	-6.1722	55159
TMEM102	0.21612	0.21612	2.4169	0.4301	0.6738	0.80634	-6.1722	284114

HMGB1	1.621	1.621	16.586	0.42985	0.67398	0.80649	-6.1723	3146
HOXB2	-0.09656	0.096559	0.64857	-0.42977	0.67404	0.8065	-6.1724	3212
COMMD9	0.28892	0.28892	3.5319	0.42962	0.67415	0.80658	-6.1724	29099
PLAC8	0.042782	0.042782	0.16734	0.42943	0.67428	0.80666	-6.1725	51316
TRPC1	-0.08433	0.084326	0.63814	-0.42938	0.67432	0.80666	-6.1725	7220
RPL14	15.586	15.586	159.23	0.42932	0.67436	0.80666	-6.1726	9045
ZNF132	-0.03842	0.038423	0.73159	-0.42906	0.67454	0.80682	-6.1727	7691
NOS3	0.42848	0.42848	2.2558	0.42898	0.6746	0.80683	-6.1727	4846
COQ9	-0.397	0.397	5.8252	-0.42882	0.67471	0.8069	-6.1728	57017
GPX4	-3.7489	3.7489	32.171	-0.42861	0.67486	0.8069	-6.1729	2879
MVP	-3.1264	3.1264	22.991	-0.42858	0.67488	0.8069	-6.1729	9961
TFR2	0.048407	0.048407	0.27263	0.42855	0.6749	0.8069	-6.1729	7036
GOLGA6L5P	-0.10444	0.10444	0.72317	-0.42849	0.67495	0.8069	-6.1729	374650
ADGRE1	0.044895	0.044895	0.14343	0.42833	0.67506	0.8069	-6.173	2015
RSC1A1	0.35896	0.35896	5.6294	0.42832	0.67507	0.8069	-6.173	6248
ISLR2	-0.03646	0.036456	0.16084	-0.42824	0.67512	0.8069	-6.173	57611
CTSK	11.682	11.682	56.219	0.42824	0.67512	0.8069	-6.173	1513
SHISA4	-0.22992	0.22992	1.2436	-0.42817	0.67517	0.8069	-6.1731	149345
POLR2C	0.73026	0.73026	9.5662	0.42816	0.67518	0.8069	-6.1731	5432
ELOB	3.5357	3.5357	29.381	0.4279	0.67536	0.80706	-6.1732	6923
APBA3	0.23363	0.23363	2.6839	0.42776	0.67546	0.80712	-6.1732	9546
CCDC183-AS1	-0.12948	0.12948	1.0053	-0.42702	0.67599	0.80768	-6.1736	1E+08
CMTM8	0.22785	0.22785	1.4494	0.42697	0.67603	0.80768	-6.1736	152189
HNRNPA1P33	0.54416	0.54416	5.2003	0.42678	0.67616	0.80776	-6.1737	728643
SUSD6	-1.026	1.026	12.085	-0.42675	0.67618	0.80776	-6.1737	9766
TEX101	-0.05773	0.057733	0.25182	-0.42644	0.6764	0.80796	-6.1738	83639

SLC25A10	-0.55956	0.55956	4.8169	-0.42608	0.67666	0.80812	-6.174	1468
MAGI2-AS3	-0.08666	0.08666	0.60675	-0.42608	0.67666	0.80812	-6.174	1.01E+08
RILP	-0.19001	0.19001	1.4883	-0.42605	0.67668	0.80812	-6.174	83547
ATXN7L2	-0.06585	0.065847	0.84202	-0.42598	0.67673	0.80813	-6.174	127002
CCDC8	-0.21283	0.21283	1.2582	-0.42562	0.67698	0.80837	-6.1742	83987
C9orf64	0.24487	0.24487	1.8008	0.42546	0.6771	0.80845	-6.1742	84267
YEATS4	-0.21923	0.21923	1.9287	-0.42519	0.67729	0.80862	-6.1744	8089
ASXL2	0.15008	0.15008	3.6591	0.42513	0.67734	0.80862	-6.1744	55252
WWC3	-0.23957	0.23957	5.5257	-0.42504	0.6774	0.80863	-6.1744	55841
MRPL43	0.34115	0.34115	4.6156	0.42494	0.67747	0.80866	-6.1745	84545
MYOM3	0.19176	0.19176	1.2521	0.42461	0.6777	0.80888	-6.1746	127294
DDHD1	-0.13449	0.13449	1.5872	-0.42452	0.67777	0.80891	-6.1747	80821
NOP58	0.74738	0.74738	8.8983	0.42445	0.67782	0.80891	-6.1747	51602
UXT	1.4023	1.4023	13.09	0.42388	0.67822	0.80929	-6.1749	8409
USP13	-0.09818	0.098178	1.0637	-0.42384	0.67825	0.80929	-6.1749	8975
EXOC3L1	0.061402	0.061402	0.48669	0.4238	0.67828	0.80929	-6.175	283849
LAMA3	0.59661	0.59661	7.8279	0.42369	0.67836	0.80932	-6.175	3909
CDPF1	-0.15954	0.15954	1.2337	-0.42339	0.67857	0.80952	-6.1751	150383
CEP104	-0.15568	0.15568	2.8723	-0.42316	0.67874	0.80966	-6.1752	9731
C5orf58	0.043831	0.043831	0.15848	0.42297	0.67888	0.80977	-6.1753	133874
FPGT	0.095348	0.095348	1.3492	0.42281	0.67898	0.80984	-6.1754	8790
TBX15	-0.21459	0.21459	1.5685	-0.42268	0.67908	0.8099	-6.1755	6913
SPACA6	-0.1007	0.1007	0.65243	-0.42261	0.67913	0.8099	-6.1755	147650
CARD8	-0.10349	0.10349	1.1947	-0.42216	0.67945	0.81022	-6.1757	22900
SEMA4D	-0.57543	0.57543	5.6097	-0.42201	0.67956	0.81028	-6.1757	10507
MOXD1	-0.47706	0.47706	3.3423	-0.42196	0.67959	0.81028	-6.1758	26002

CRNDE	-0.2165	0.2165	2.2631	-0.42102	0.68026	0.81102	-6.1762	643911
PPP2R5D	-0.38167	0.38167	7.212	-0.42086	0.68037	0.81103	-6.1762	5528
PES1	-0.91727	0.91727	9.1066	-0.42085	0.68038	0.81103	-6.1762	23481
CNOT7	0.37046	0.37046	5.2038	0.42079	0.68043	0.81103	-6.1763	29883
OLFM1	-0.3591	0.3591	2.2756	-0.42074	0.68046	0.81103	-6.1763	10439
SALRNA2	-0.02846	0.028462	0.097296	-0.42056	0.68059	0.81113	-6.1764	1.05E+08
MIR200CHG	-0.33648	0.33648	2.941	-0.4201	0.68092	0.81146	-6.1766	1.05E+08
YY1AP1	-0.39105	0.39105	8.8491	-0.42003	0.68096	0.81146	-6.1766	55249
SUMO3	1.3942	1.3942	17.045	0.41934	0.68146	0.81199	-6.1769	6612
SLC13A4	0.039291	0.039291	0.3342	0.4191	0.68163	0.81209	-6.177	26266
SHCBP1	-0.09537	0.095373	0.85086	-0.41909	0.68164	0.81209	-6.177	79801
TUBB	1.0374	1.0374	10.103	0.41874	0.68189	0.81227	-6.1771	203068
LOC389199	-0.06627	0.066273	0.22844	-0.41869	0.68192	0.81227	-6.1772	389199
KIAA1958	0.065513	0.065513	0.87588	0.41867	0.68194	0.81227	-6.1772	158405
ADPGK	0.40874	0.40874	5.9809	0.41843	0.68211	0.81242	-6.1773	83440
MIGA1	-0.10092	0.10092	1.6068	-0.41826	0.68223	0.81242	-6.1773	374986
POP5	0.49537	0.49537	4.6963	0.41825	0.68224	0.81242	-6.1774	51367
SHANK3	-1.1747	1.1747	6.474	-0.41823	0.68225	0.81242	-6.1774	85358
ELMO1	-0.23043	0.23043	2.1399	-0.41804	0.68239	0.81253	-6.1774	9844
RNF133	-0.0326	0.032601	0.14968	-0.41774	0.6826	0.81272	-6.1776	168433
SOD2	-9.445	9.445	37.182	-0.41713	0.68304	0.81318	-6.1778	6648
OR5K2	0.033453	0.033453	0.104	0.41569	0.68406	0.81434	-6.1784	402135
RPL23AP82	0.14594	0.14594	1.2899	0.41562	0.68412	0.81435	-6.1785	284942
EFTUD2	-0.7263	0.7263	8.6466	-0.41512	0.68447	0.81472	-6.1787	9343
ZNF425	0.077462	0.077462	0.63813	0.41496	0.68459	0.81476	-6.1788	155054
OCEL1	0.20836	0.20836	1.944	0.41482	0.68469	0.81476	-6.1788	79629

SNORA67	0.19761	0.19761	2.918	0.41481	0.6847	0.81476	-6.1788	26781
MPC1	-0.32673	0.32673	4.2205	-0.4148	0.6847	0.81476	-6.1788	51660
OXLD1	-0.41938	0.41938	4.4025	-0.41452	0.6849	0.81489	-6.1789	339229
TSEN34	0.47507	0.47507	4.9999	0.41451	0.68491	0.81489	-6.1789	79042
FAM120A	0.77549	0.77549	11.9	0.41431	0.68506	0.81501	-6.179	23196
PPP1R14A	-0.50971	0.50971	2.8479	-0.41413	0.68518	0.81507	-6.1791	94274
ARF3	2.2057	2.2057	33.402	0.41407	0.68522	0.81507	-6.1791	377
NUDT8	-1.0259	1.0259	7.8671	-0.41396	0.6853	0.81507	-6.1792	254552
SYCE1L	-0.08714	0.087135	0.79884	-0.41395	0.68531	0.81507	-6.1792	1E+08
ZBTB46	-0.11681	0.11681	1.1591	-0.41377	0.68544	0.81507	-6.1793	140685
CENPBD1	-0.09783	0.097832	1.2017	-0.41376	0.68544	0.81507	-6.1793	92806
AFG1L	-0.0357	0.035701	0.41831	-0.41368	0.6855	0.81507	-6.1793	246269
RFC3	-0.13562	0.13562	1.4416	-0.41363	0.68554	0.81507	-6.1793	5983
C1orf50	0.17224	0.17224	2.6654	0.41363	0.68554	0.81507	-6.1793	79078
SPCS1	1.2282	1.2282	12.832	0.41353	0.68561	0.8151	-6.1794	28972
CDC40	0.21497	0.21497	3.2104	0.41339	0.68571	0.8151	-6.1794	51362
UNC5A	0.053289	0.053289	0.20503	0.41333	0.68575	0.8151	-6.1794	90249
RPL32	15.69	15.69	139.34	0.41327	0.6858	0.8151	-6.1795	6161
NDFIP1	0.7261	0.7261	10.567	0.4132	0.68585	0.8151	-6.1795	80762
LPCAT3	-0.70321	0.70321	7.8236	-0.41319	0.68585	0.8151	-6.1795	10162
GALK2	-0.0846	0.084604	1.8663	-0.41309	0.68592	0.8151	-6.1795	2585
ZMYM1	0.079308	0.079308	1.032	0.41298	0.68601	0.8151	-6.1796	79830
SDHD	1.1739	1.1739	12.265	0.41296	0.68602	0.8151	-6.1796	6392
MPI	0.22961	0.22961	2.7866	0.41283	0.68611	0.8151	-6.1797	4351
RBBP5	0.13166	0.13166	2.9363	0.4128	0.68614	0.8151	-6.1797	5929
SIGLEC5	0.070137	0.070137	0.2931	0.41278	0.68615	0.8151	-6.1797	8778

IFT81	0.11722	0.11722	1.0813	0.41243	0.6864	0.81533	-6.1798	28981
ATP2C2-AS1	-0.15905	0.15905	1.3128	-0.4123	0.68649	0.81533	-6.1799	1.05E+08
ITGB1BP2	-0.03342	0.033415	0.20877	-0.41226	0.68652	0.81533	-6.1799	26548
ANKRD54	-0.1338	0.1338	2.1754	-0.41224	0.68653	0.81533	-6.1799	129138
NPM3	0.85487	0.85487	5.9056	0.41212	0.68662	0.81537	-6.18	10360
TPM2	4.0618	4.0618	21.845	0.41206	0.68666	0.81537	-6.18	7169
NSUN2	0.67412	0.67412	8.8849	0.41181	0.68684	0.81552	-6.1801	54888
LOC728989	-0.04021	0.040212	0.15548	-0.41171	0.68691	0.81555	-6.1801	728989
THAP9	-0.04285	0.042851	0.48647	-0.41139	0.68714	0.81577	-6.1803	79725
SRM	2.2126	2.2126	18.672	0.41096	0.68745	0.81607	-6.1804	6723
PHF6	0.13248	0.13248	1.8049	0.41082	0.68755	0.81607	-6.1805	84295
BAIAP2	0.76162	0.76162	8.719	0.41082	0.68755	0.81607	-6.1805	10458
NOP2	0.6497	0.6497	5.6445	0.41076	0.68759	0.81607	-6.1805	4839
EHHADH	-0.09075	0.090745	1.0918	-0.41056	0.68774	0.81619	-6.1806	1962
EGR3	-1.1357	1.1357	5.8946	-0.41012	0.68805	0.81648	-6.1808	1960
PPP3CC	-0.25978	0.25978	2.9056	-0.41008	0.68808	0.81648	-6.1808	5533
AHRR	-0.12784	0.12784	1.0694	-0.4098	0.68828	0.81665	-6.1809	57491
DNAL1	0.053133	0.053133	0.6912	0.40974	0.68832	0.81665	-6.181	83544
HIC1	-0.39202	0.39202	3.3804	-0.40963	0.6884	0.81669	-6.181	3090
JARID2-AS1	-0.18151	0.18151	1.0406	-0.40946	0.68852	0.81678	-6.1811	1.01E+08
LMO7	0.39859	0.39859	3.9981	0.40916	0.68874	0.81697	-6.1812	4008
SVIL-AS1	-0.06856	0.06856	2.4821	-0.40885	0.68896	0.81718	-6.1813	1.03E+08
EIF2AK4	0.33865	0.33865	4.8048	0.40864	0.68911	0.8173	-6.1814	440275
HACE1	-0.0855	0.085504	1.6415	-0.40857	0.68916	0.8173	-6.1814	57531
YPEL3	1.5766	1.5766	15.106	0.4082	0.68943	0.81751	-6.1816	83719
DDX20	-0.15311	0.15311	2.0202	-0.40819	0.68943	0.81751	-6.1816	11218

PTPRG	0.56249	0.56249	5.3748	0.40789	0.68965	0.81768	-6.1817	5793
LPAR2	0.17453	0.17453	2.503	0.40785	0.68967	0.81768	-6.1817	9170
KALRN	0.065536	0.065536	0.8476	0.40768	0.6898	0.81774	-6.1818	8997
NSMF	0.51457	0.51457	6.1702	0.40765	0.68982	0.81774	-6.1818	26012
BTD	-0.08721	0.087206	1.6084	-0.40758	0.68987	0.81774	-6.1819	686
PXK	-0.15833	0.15833	2.7598	-0.40743	0.68998	0.81782	-6.1819	54899
HRH2	-0.3568	0.3568	1.4668	-0.40724	0.69011	0.81782	-6.182	3274
PDRG1	0.31053	0.31053	3.0254	0.40724	0.69012	0.81782	-6.182	81572
CTSD	11.782	11.782	118.04	0.40716	0.69017	0.81782	-6.182	1509
NANOS1	0.14101	0.14101	0.9863	0.40716	0.69018	0.81782	-6.182	340719
NEBL	-0.41723	0.41723	3.5426	-0.40689	0.69036	0.81791	-6.1821	10529
CCDC69	-0.97647	0.97647	5.8029	-0.40685	0.6904	0.81791	-6.1822	26112
AKT1	-1.4839	1.4839	15.967	-0.40684	0.6904	0.81791	-6.1822	207
C12orf10	-0.55256	0.55256	6.6191	-0.40669	0.69051	0.81798	-6.1822	60314
TLCD1	0.33369	0.33369	2.4311	0.40656	0.6906	0.81801	-6.1823	116238
VTI1A	-0.1015	0.1015	2.8119	-0.40652	0.69063	0.81801	-6.1823	143187
PKP2	0.24378	0.24378	1.2843	0.40584	0.69112	0.8185	-6.1826	5318
ESD	1.6628	1.6628	15.701	0.4058	0.69114	0.8185	-6.1826	2098
NDUFS6	1.5941	1.5941	18.139	0.40567	0.69124	0.81856	-6.1826	4726
IPO8	0.25238	0.25238	4.5937	0.40539	0.69144	0.81874	-6.1828	10526
SLC12A8	0.05805	0.05805	0.62846	0.40531	0.6915	0.81875	-6.1828	84561
WFDC21P	1.806	1.806	6.7309	0.40508	0.69167	0.81889	-6.1829	645638
VMA21	0.30422	0.30422	4.1757	0.40488	0.69181	0.81901	-6.183	203547
ZNF274	0.23418	0.23418	3.5927	0.40466	0.69196	0.81913	-6.1831	10782
STON1-GTF2A1L	0.05263	0.05263	0.31373	0.40454	0.69205	0.81917	-6.1831	286749
GSC	0.070732	0.070732	0.26077	0.40444	0.69212	0.8192	-6.1832	145258

EDA2R	0.073334	0.073334	0.32487	0.40429	0.69223	0.8192	-6.1832	60401
LOC105369391	0.042202	0.042202	0.12412	0.40428	0.69224	0.8192	-6.1832	1.05E+08
TMEM167B	-0.36442	0.36442	5.0658	-0.40424	0.69227	0.8192	-6.1832	56900
TEAD3	-0.80282	0.80282	11.235	-0.40415	0.69233	0.81922	-6.1833	7005
FRMD3	-0.10722	0.10722	0.81086	-0.40388	0.69252	0.81939	-6.1834	257019
RRP1	-0.6591	0.6591	6.6585	-0.40333	0.69292	0.8198	-6.1836	8568
C16orf70	0.70469	0.70469	5.9854	0.40317	0.69304	0.81988	-6.1837	80262
MPP7	-0.78661	0.78661	7.4737	-0.40292	0.69321	0.82003	-6.1838	143098
MED19	-0.16672	0.16672	3.3373	-0.40286	0.69326	0.82003	-6.1838	219541
NOTCH3	-4.5921	4.5921	46.541	-0.40253	0.6935	0.82026	-6.1839	4854
NNMT	5.2342	5.2342	23.46	0.40241	0.69358	0.82028	-6.184	4837
LILRA6	0.10573	0.10573	0.51451	0.40236	0.69362	0.82028	-6.184	79168
LOC105371328	-0.03128	0.031278	0.10106	-0.40218	0.69375	0.8203	-6.1841	1.05E+08
ITGB3BP	0.14738	0.14738	1.2371	0.40211	0.6938	0.8203	-6.1841	23421
CEP19	-0.09185	0.091847	0.43798	-0.40199	0.69388	0.8203	-6.1842	84984
SLC39A4	-0.09317	0.093165	1.0238	-0.40191	0.69394	0.8203	-6.1842	55630
COMP	-6.7367	6.7367	29.636	-0.4019	0.69395	0.8203	-6.1842	1311
NOMO1	1.0155	1.0155	12.778	0.40187	0.69397	0.8203	-6.1842	23420
BAD	1.0808	1.0808	9.765	0.40186	0.69398	0.8203	-6.1842	572
MESP2	0.039072	0.039072	0.21522	0.40154	0.6942	0.82052	-6.1844	145873
CHCHD4	0.23319	0.23319	2.5871	0.40115	0.69449	0.82079	-6.1845	131474
TLR7	0.042313	0.042313	0.24998	0.40108	0.69454	0.82079	-6.1845	51284
SYDE1	0.46909	0.46909	3.3517	0.40101	0.69459	0.8208	-6.1846	85360
NFKBIZ	1.2014	1.2014	15.273	0.40088	0.69468	0.82085	-6.1846	64332
HSP90AB4P	-0.0529	0.052903	0.47898	-0.40081	0.69473	0.82085	-6.1847	664618
KRTCAP2	-1.9948	1.9948	20.568	-0.40066	0.69484	0.82092	-6.1847	200185

MRPS5	0.2329	0.2329	2.9378	0.40052	0.69494	0.82098	-6.1848	64969
EVI2B	-0.2489	0.2489	1.9855	-0.40035	0.69506	0.82106	-6.1848	2124
HSCB	0.15365	0.15365	1.5924	0.4003	0.6951	0.82106	-6.1849	150274
MRPS31	0.24198	0.24198	3.711	0.40005	0.69528	0.82119	-6.185	10240
AHCTF1	-0.25698	0.25698	4.7375	-0.39999	0.69533	0.82119	-6.185	25909
MBNL1-AS1	-0.07394	0.073937	0.88478	-0.39994	0.69536	0.82119	-6.185	401093
COX14	0.72617	0.72617	5.8256	0.39966	0.69556	0.82137	-6.1851	84987
TRIM33	-0.20776	0.20776	4.423	-0.39951	0.69567	0.82144	-6.1852	51592
GATAD2A	0.91759	0.91759	12.877	0.39932	0.6958	0.82152	-6.1853	54815
SMAD1	-0.2801	0.2801	5.1144	-0.39929	0.69583	0.82152	-6.1853	4086
FBXW7-AS1	-0.08161	0.081612	0.41373	-0.39912	0.69595	0.8216	-6.1853	1.02E+08
RBM17	-0.29291	0.29291	5.2936	-0.39891	0.6961	0.82172	-6.1854	84991
EIF3D	2.7468	2.7468	37.118	0.39879	0.69619	0.82176	-6.1855	8664
ALKBH8	-0.09475	0.094747	1.1561	-0.39836	0.69649	0.82207	-6.1857	91801
PRKAR1B	-0.27246	0.27246	2.0494	-0.39798	0.69677	0.82234	-6.1858	5575
CELSR2	1.791	1.791	17.43	0.39773	0.69695	0.82246	-6.1859	1952
MTFMT	0.12887	0.12887	1.5313	0.3977	0.69697	0.82246	-6.1859	123263
ZNF254	0.11908	0.11908	1.8578	0.39757	0.69707	0.82252	-6.186	9534
UBL4A	0.55223	0.55223	7.2573	0.39746	0.69714	0.82255	-6.186	8266
GNA12	0.52567	0.52567	5.0842	0.39739	0.69719	0.82255	-6.186	2768
LMAN2L	0.143	0.143	2.3287	0.39724	0.6973	0.82258	-6.1861	81562
SNRNP27	0.38319	0.38319	4.7836	0.3972	0.69733	0.82258	-6.1861	11017
RPSAP9	-0.03388	0.03388	0.35579	-0.39709	0.69741	0.82258	-6.1862	653162
LRRC8D	0.18922	0.18922	2.2845	0.39709	0.69741	0.82258	-6.1862	55144
PTPRB	0.26033	0.26033	2.6751	0.39681	0.69761	0.82262	-6.1863	5787
STAB1	-1.4561	1.4561	8.6166	-0.39676	0.69765	0.82262	-6.1863	23166

SLC23A2	-0.24636	0.24636	4.481	-0.39674	0.69767	0.82262	-6.1863	9962
ID3	2.2253	2.2253	18.272	0.39673	0.69767	0.82262	-6.1863	3399
SFTPD	-0.4165	0.4165	1.7923	-0.3966	0.69776	0.82262	-6.1864	6441
KCTD2	-0.54922	0.54922	5.8266	-0.39654	0.69781	0.82262	-6.1864	23510
LINC00696	-0.0763	0.076295	0.53786	-0.39653	0.69781	0.82262	-6.1864	1E+08
SOX9	-0.83163	0.83163	7.7672	-0.3965	0.69783	0.82262	-6.1864	6662
MKNK1	0.33118	0.33118	4.7804	0.3961	0.69813	0.82279	-6.1866	8569
TTC3	0.44343	0.44343	9.0585	0.39602	0.69818	0.82279	-6.1866	7267
LILRB2	0.51324	0.51324	2.2432	0.39602	0.69818	0.82279	-6.1866	10288
RFX2	-0.22158	0.22158	2.2512	-0.39594	0.69824	0.82279	-6.1866	5990
MTMR1	-0.28852	0.28852	4.8012	-0.39594	0.69824	0.82279	-6.1866	8776
CALN1	-0.05783	0.057828	0.39075	-0.3959	0.69827	0.82279	-6.1867	83698
FBH1	-0.31688	0.31688	7.4291	-0.39577	0.69836	0.82279	-6.1867	84893
RNF135	0.50556	0.50556	7.8434	0.39576	0.69837	0.82279	-6.1867	84282
ZNF16	-0.12467	0.12467	2.3347	-0.39546	0.69858	0.82298	-6.1868	7564
NDUFB7	3.7505	3.7505	31.885	0.39516	0.6988	0.82319	-6.187	4713
MIR4458HG	0.072927	0.072927	0.74575	0.39508	0.69886	0.8232	-6.187	1.01E+08
STN1	0.13023	0.13023	2.1269	0.39497	0.69894	0.82323	-6.187	79991
SLC45A3	-0.18047	0.18047	1.4922	-0.3948	0.69906	0.82332	-6.1871	85414
LOC101929452	-0.03501	0.03501	0.16368	-0.39464	0.69918	0.82334	-6.1872	1.02E+08
LINC00920	-0.05409	0.05409	0.38976	-0.39458	0.69922	0.82334	-6.1872	1.01E+08
BARX2	0.58216	0.58216	6.7594	0.39448	0.69929	0.82334	-6.1872	8538
MARK4	0.50089	0.50089	6.881	0.39444	0.69932	0.82334	-6.1872	57787
TMSB15B	0.040339	0.040339	0.26029	0.39443	0.69933	0.82334	-6.1872	286527
TRIO	0.45123	0.45123	7.6735	0.39425	0.69945	0.82337	-6.1873	7204
HTR3A	0.24057	0.24057	0.60709	0.39423	0.69947	0.82337	-6.1873	3359

FHDC1	0.43302	0.43302	4.4847	0.39419	0.6995	0.82337	-6.1873	85462
RAD50	-0.28142	0.28142	4.8357	-0.39413	0.69954	0.82337	-6.1874	10111
EIF4EBP2	0.80734	0.80734	16.13	0.39401	0.69963	0.82341	-6.1874	1979
ZNHIT3	-0.21568	0.21568	3.2651	-0.39392	0.69969	0.82343	-6.1875	9326
DBR1	0.17153	0.17153	2.3049	0.39374	0.69982	0.82347	-6.1875	51163
NBEAP1	-0.04951	0.049511	0.1842	-0.39374	0.69983	0.82347	-6.1875	606
XRCC2	0.052652	0.052652	0.39011	0.39353	0.69998	0.82359	-6.1876	7516
JRKL	-0.08878	0.088775	1.3624	-0.39339	0.70008	0.82366	-6.1877	8690
SND1-IT1	-0.13258	0.13258	1.0082	-0.39332	0.70013	0.82366	-6.1877	27099
CD84	0.17615	0.17615	1.1616	0.3931	0.70029	0.82378	-6.1878	8832
CPXM2	0.65358	0.65358	4.4722	0.39301	0.70035	0.82378	-6.1878	119587
RNMT	-0.14211	0.14211	3.8156	-0.39297	0.70038	0.82378	-6.1878	8731
SIGMAR1	-0.72825	0.72825	10.489	-0.39253	0.7007	0.8241	-6.188	10280
SLC35A4	1.2349	1.2349	14.741	0.39212	0.701	0.82421	-6.1882	113829
TMEM39B	0.1607	0.1607	2.4081	0.39202	0.70107	0.82421	-6.1882	55116
KLF12	-0.09544	0.095443	0.82531	-0.39201	0.70107	0.82421	-6.1882	11278
CDC73	0.18099	0.18099	3.7964	0.392	0.70108	0.82421	-6.1882	79577
WNK1	1.4554	1.4554	32.101	0.39196	0.70111	0.82421	-6.1882	65125
CLN3	-0.41244	0.41244	5.2097	-0.39195	0.70112	0.82421	-6.1882	1201
TMPRSS4	0.59448	0.59448	2.8262	0.39191	0.70114	0.82421	-6.1883	56649
UBE2Q1	0.46243	0.46243	6.6346	0.3918	0.70122	0.82421	-6.1883	55585
TNIP1	1.7349	1.7349	16.361	0.39174	0.70127	0.82421	-6.1883	10318
DDIT3	-0.29908	0.29908	2.6848	-0.39172	0.70128	0.82421	-6.1883	1649
SLC1A5	-1.6008	1.6008	13.06	-0.39146	0.70147	0.82434	-6.1884	6510
ARFRP1	-0.623	0.623	5.8718	-0.39137	0.70153	0.82434	-6.1885	10139
SYCN	0.13762	0.13762	0.56724	0.39136	0.70154	0.82434	-6.1885	342898

TIMM17B	0.50218	0.50218	5.8425	0.39097	0.70183	0.82462	-6.1886	10245
TBCEL	0.18123	0.18123	2.1835	0.39064	0.70206	0.82484	-6.1888	219899
SIGIRR	-0.26957	0.26957	2.5604	-0.39051	0.70216	0.82489	-6.1888	59307
COL23A1	0.21258	0.21258	1.5055	0.39035	0.70227	0.82497	-6.1889	91522
CYS1	0.10512	0.10512	0.54908	0.38986	0.70262	0.82532	-6.1891	192668
SNCAIP	-0.1318	0.1318	1.0843	-0.38962	0.7028	0.82548	-6.1892	9627
DLGAP1-AS2	0.039972	0.039972	0.26902	0.38934	0.703	0.82561	-6.1893	84777
LRCH2	-0.03182	0.031824	0.19678	-0.38927	0.70305	0.82561	-6.1893	57631
SNX10	0.26027	0.26027	1.1482	0.38926	0.70306	0.82561	-6.1893	29887
CNGB1	-0.56848	0.56848	1.4738	-0.3891	0.70318	0.82569	-6.1894	1258
KLHL9	0.24061	0.24061	3.098	0.38892	0.70331	0.82578	-6.1895	55958
API5	0.77195	0.77195	11.255	0.38861	0.70353	0.82599	-6.1896	8539
ALOX15B	-0.72843	0.72843	4.213	-0.38823	0.7038	0.82625	-6.1897	247
HGH1	-0.14085	0.14085	1.3101	-0.3879	0.70404	0.82647	-6.1899	51236
PIK3CD-AS2	0.044954	0.044954	0.21936	0.38723	0.70453	0.82699	-6.1901	1.02E+08
FAM120AOS	-0.2145	0.2145	3.6301	-0.387	0.70469	0.82708	-6.1902	158293
PDE1B	-0.1466	0.1466	0.76435	-0.38699	0.7047	0.82708	-6.1902	5153
ARAP1-AS2	-0.09002	0.090018	0.7073	-0.38662	0.70497	0.82728	-6.1904	1.01E+08
CDC37	2.816	2.816	33.583	0.3866	0.70498	0.82728	-6.1904	11140
FCGR1CP	0.13034	0.13034	0.48229	0.38648	0.70507	0.82728	-6.1904	1E+08
RBM12	-0.34605	0.34605	6.4861	-0.38648	0.70507	0.82728	-6.1904	10137
AACS	-0.55436	0.55436	9.4089	-0.38635	0.70516	0.82733	-6.1905	65985
MAP3K7CL	0.063931	0.063931	0.60193	0.38626	0.70523	0.82735	-6.1905	56911
ANXA9	1.5511	1.5511	5.7742	0.38616	0.7053	0.82738	-6.1906	8416
TCAF2P1	0.051145	0.051145	0.67502	0.38608	0.70536	0.82739	-6.1906	653691
NASP	-0.42496	0.42496	5.7305	-0.38579	0.70557	0.82757	-6.1907	4678

NCAPG2	-0.15495	0.15495	1.5458	-0.38572	0.70562	0.82757	-6.1907	54892
APPL1	-0.35809	0.35809	6.7424	-0.38551	0.70577	0.8277	-6.1908	26060
COL18A1-AS2	0.13622	0.13622	0.47321	0.38532	0.70591	0.82776	-6.1909	1.01E+08
LIPA	1.1751	1.1751	9.2842	0.38531	0.70592	0.82776	-6.1909	3988
PROM2	2.4952	2.4952	24.795	0.38513	0.70605	0.82785	-6.191	150696
CDKN2AIPNL	-0.26072	0.26072	3.0398	-0.38504	0.70611	0.82787	-6.191	91368
SRSF10	-0.11769	0.11769	1.7175	-0.38489	0.70622	0.82793	-6.1911	10772
RNF26	-0.43753	0.43753	5.6766	-0.38483	0.70626	0.82793	-6.1911	79102
CCDC86	0.48075	0.48075	5.0233	0.38436	0.70661	0.82825	-6.1913	79080
GBF1	-0.40939	0.40939	9.1335	-0.38431	0.70664	0.82825	-6.1913	8729
HIPK1	0.40589	0.40589	9.4412	0.38421	0.70671	0.82828	-6.1913	204851
RGS14	0.39668	0.39668	4.8757	0.38408	0.70681	0.82834	-6.1914	10636
CACNA1B	-0.03655	0.036548	0.12515	-0.38357	0.70717	0.82871	-6.1916	774
MIIP	-0.40794	0.40794	3.3894	-0.38341	0.70729	0.82879	-6.1916	60672
RLF	0.22816	0.22816	4.1344	0.38328	0.70738	0.82884	-6.1917	6018
TMEM134	-2.1214	2.1214	22.368	-0.38322	0.70743	0.82884	-6.1917	80194
HAUS6	-0.11528	0.11528	1.579	-0.38287	0.70768	0.82906	-6.1918	54801
GPKOW	-0.39013	0.39013	5.0329	-0.38279	0.70774	0.82906	-6.1919	27238
TEX13B	-0.03092	0.030919	0.13024	-0.38274	0.70778	0.82906	-6.1919	56156
C12orf57	-2.384	2.384	19.933	-0.38266	0.70783	0.82906	-6.1919	113246
MPRIP	-0.49934	0.49934	9.1664	-0.38254	0.70792	0.82906	-6.192	23164
HPF1	0.31172	0.31172	3.4528	0.38243	0.708	0.82906	-6.192	54969
PPP1R37	-0.70208	0.70208	6.5249	-0.38233	0.70808	0.82906	-6.1921	284352
ZNHIT2	0.35981	0.35981	3.2726	0.38228	0.70811	0.82906	-6.1921	741
TMEM101	-0.36483	0.36483	4.1108	-0.38218	0.70819	0.82906	-6.1921	84336
LINC01298	-0.0415	0.041501	0.15563	-0.38211	0.70824	0.82906	-6.1921	619344

TRAF6	-0.08293	0.082932	1.9738	-0.38207	0.70826	0.82906	-6.1922	7189
BAIAP2L1	0.37864	0.37864	5.1707	0.38203	0.70829	0.82906	-6.1922	55971
HMCES	-0.55075	0.55075	7.7148	-0.38202	0.7083	0.82906	-6.1922	56941
FOXD1	0.085192	0.085192	0.5453	0.38201	0.70831	0.82906	-6.1922	2297
COMMD3-BMI1	-0.07549	0.075491	0.47967	-0.3818	0.70846	0.82918	-6.1923	1.01E+08
TRAPPC10	0.15604	0.15604	4.877	0.38163	0.70858	0.82927	-6.1923	7109
NFIL3	0.66571	0.66571	6.1007	0.38143	0.70873	0.8293	-6.1924	4783
ACOX3	-0.55727	0.55727	5.8487	-0.38132	0.70881	0.8293	-6.1925	8310
NPR2	0.34568	0.34568	3.3174	0.38125	0.70886	0.8293	-6.1925	4882
SPACA6P-AS	-0.03723	0.037232	0.15779	-0.38121	0.70888	0.8293	-6.1925	1.02E+08
ACSBG1	-0.15426	0.15426	0.97338	-0.3811	0.70896	0.8293	-6.1925	23205
RBM4	-0.30648	0.30648	8.0248	-0.38109	0.70898	0.8293	-6.1925	5936
SUPT5H	-0.9943	0.9943	13.706	-0.38102	0.70902	0.8293	-6.1926	6829
SEN3	0.46143	0.46143	7.3967	0.38098	0.70905	0.8293	-6.1926	26168
HRAS	1.8724	1.8724	21.27	0.38087	0.70913	0.8293	-6.1926	3265
JMJD8	0.79085	0.79085	11.551	0.38083	0.70916	0.8293	-6.1926	339123
ARL4C	-0.62064	0.62064	8.4	-0.38067	0.70928	0.8293	-6.1927	10123
C1S	-12.641	12.641	62.97	-0.38059	0.70934	0.8293	-6.1927	716
PEPD	0.71906	0.71906	8.9023	0.38056	0.70936	0.8293	-6.1927	5184
AGAP2-AS1	0.50186	0.50186	4.3694	0.38055	0.70936	0.8293	-6.1927	1E+08
INTS14	-0.3127	0.3127	4.6145	-0.38053	0.70938	0.8293	-6.1928	81556
SMARCA1	0.38024	0.38024	3.275	0.38038	0.70949	0.8293	-6.1928	6594
BRD7P3	-0.03865	0.038653	0.19454	-0.38033	0.70952	0.8293	-6.1928	23629
MAP3K5	-0.46365	0.46365	5.1467	-0.38033	0.70952	0.8293	-6.1928	4217
PARD6A	-0.05769	0.05769	0.38861	-0.3803	0.70955	0.8293	-6.1929	50855
UBR7	0.2563	0.2563	4.0557	0.38007	0.70971	0.82944	-6.1929	55148

RPUSD1	-0.39862	0.39862	4.1234	-0.37965	0.71002	0.82974	-6.1931	113000
NOL4L	0.15487	0.15487	1.5695	0.37952	0.71012	0.82976	-6.1932	140688
DPH2	-0.3003	0.3003	4.0012	-0.37949	0.71013	0.82976	-6.1932	1802
POMC	-0.24301	0.24301	1.3736	-0.37942	0.71019	0.82976	-6.1932	5443
RNASE2	0.1599	0.1599	0.7159	0.37935	0.71023	0.82976	-6.1932	6036
SEC22C	-0.12712	0.12712	2.2541	-0.37926	0.7103	0.82978	-6.1933	9117
MAT2B	-0.42709	0.42709	5.334	-0.37907	0.71044	0.82985	-6.1933	27430
ACSL1	-1.6888	1.6888	19.66	-0.379	0.71049	0.82985	-6.1934	2180
PGP	0.14562	0.14562	2.0636	0.37898	0.7105	0.82985	-6.1934	283871
FRYL	-0.21445	0.21445	4.9705	-0.37876	0.71066	0.82997	-6.1934	285527
FCGR2C	-0.17864	0.17864	1.2824	-0.37806	0.71117	0.83051	-6.1937	9103
FAM106A	-0.07154	0.07154	0.34583	-0.3779	0.71128	0.83057	-6.1938	80039
ANAPC7	0.23601	0.23601	5.4071	0.37786	0.71132	0.83057	-6.1938	51434
SNRNP40	-0.60206	0.60206	7.2741	-0.37762	0.71149	0.83071	-6.1939	9410
MED15	0.63736	0.63736	8.7603	0.3775	0.71158	0.83076	-6.1939	51586
PEG10	0.073393	0.073393	0.41359	0.37743	0.71163	0.83076	-6.194	23089
SOX4	-0.73268	0.73268	7.0032	-0.37734	0.71169	0.83078	-6.194	6659
CCNJL	0.077394	0.077394	0.51987	0.37695	0.71198	0.83105	-6.1941	79616
C3AR1	0.2283	0.2283	1.3526	0.37663	0.71221	0.83127	-6.1943	719
ANKRD36BP1	0.60773	0.60773	8.1175	0.37629	0.71246	0.83141	-6.1944	84832
SCNN1A	1.5689	1.5689	12.772	0.37628	0.71247	0.83141	-6.1944	6337
DDX59	-0.13043	0.13043	2.9421	-0.37626	0.71248	0.83141	-6.1944	83479
ALKBH5	-0.95953	0.95953	13.171	-0.3759	0.71274	0.83162	-6.1946	54890
MEX3B	0.091946	0.091946	0.736	0.37584	0.71278	0.83162	-6.1946	84206
RBM22	0.41113	0.41113	7.3857	0.37581	0.71281	0.83162	-6.1946	55696
RPL4	28.724	28.724	416.91	0.37565	0.71292	0.83166	-6.1946	6124

HNRNPA1P10	-3.9922	3.9922	45.651	-0.37562	0.71294	0.83166	-6.1947	664709
PIP4P2	-0.12462	0.12462	1.3026	-0.37541	0.7131	0.83178	-6.1947	55529
APLP2	3.8641	3.8641	44.944	0.37503	0.71337	0.83205	-6.1949	334
CD7	0.14072	0.14072	0.81987	0.3748	0.71354	0.83214	-6.195	924
C19orf33	3.7544	3.7544	48.293	0.37466	0.71364	0.83214	-6.195	64073
B4GALT2	0.90414	0.90414	12.135	0.37465	0.71365	0.83214	-6.195	8704
MMP25	-0.32925	0.32925	1.3894	-0.37461	0.71367	0.83214	-6.195	64386
PIP5K1C	-0.42725	0.42725	4.9881	-0.37457	0.71371	0.83214	-6.1951	23396
BIVM-ERCC5	0.10183	0.10183	1.552	0.37451	0.71375	0.83214	-6.1951	1.01E+08
SLC38A4	0.041163	0.041163	0.38282	0.37444	0.7138	0.83214	-6.1951	55089
UBL7	0.6982	0.6982	6.6507	0.37433	0.71388	0.83218	-6.1952	84993
CNRIP1	0.36057	0.36057	2.4362	0.37416	0.71401	0.83227	-6.1952	25927
CTNND1	2.2988	2.2988	50.683	0.37403	0.7141	0.83232	-6.1953	1500
DMAC2	0.45706	0.45706	6.2684	0.37387	0.71422	0.83239	-6.1953	55101
GNPDA1	-0.50216	0.50216	5.1161	-0.37378	0.71428	0.83239	-6.1954	10007
NPL	0.28042	0.28042	1.9656	0.37373	0.71432	0.83239	-6.1954	80896
ZFP91-CNTF	0.057993	0.057993	0.57327	0.37368	0.71435	0.83239	-6.1954	386607
IGFLR1	-0.1541	0.1541	1.3847	-0.3736	0.71441	0.8324	-6.1954	79713
HDAC8	-0.04458	0.044576	1.5212	-0.37351	0.71448	0.83242	-6.1955	55869
PNPLA1	0.63267	0.63267	3.1378	0.37322	0.71469	0.8325	-6.1956	285848
PLBD1-AS1	-0.19413	0.19413	1.617	-0.37321	0.71469	0.8325	-6.1956	1.02E+08
SNORA38B	-0.05078	0.050775	0.2484	-0.37321	0.7147	0.8325	-6.1956	1E+08
BUB1B-PAK6	0.25918	0.25918	2.068	0.3729	0.71492	0.83265	-6.1957	1.07E+08
SCAMP3	-0.74501	0.74501	10.565	-0.37284	0.71497	0.83265	-6.1957	10067
PMF1	0.68914	0.68914	10.901	0.37283	0.71497	0.83265	-6.1957	11243
EGR2	0.06666	0.06666	0.67227	0.37255	0.71517	0.83277	-6.1958	1959

ZNF284	-0.03718	0.037184	0.5255	-0.37254	0.71518	0.83277	-6.1958	342909
PRPF38B	-0.15389	0.15389	3.1684	-0.3719	0.71565	0.83326	-6.1961	55119
DAPL1	-4.8681	4.8681	32.837	-0.37181	0.71571	0.83328	-6.1961	92196
GIMAP7	-0.50796	0.50796	3.5643	-0.37155	0.71591	0.83345	-6.1962	168537
RNF146	0.21626	0.21626	3.4448	0.37097	0.71632	0.83388	-6.1964	81847
CUTA	-0.62841	0.62841	8.0101	-0.3702	0.71689	0.83445	-6.1967	51596
MTF2	-0.11192	0.11192	2.1301	-0.37016	0.71692	0.83445	-6.1967	22823
DLGAP4-AS1	0.077517	0.077517	0.52739	0.36995	0.71707	0.83457	-6.1968	1.02E+08
HLTF	0.1397	0.1397	1.5464	0.36988	0.71712	0.83457	-6.1969	6596
MICALL2	0.28813	0.28813	3.5706	0.36971	0.71724	0.83466	-6.1969	79778
KCNE4	0.31176	0.31176	1.5445	0.36964	0.7173	0.83466	-6.1969	23704
TNK2-AS1	-0.07444	0.07444	0.5939	-0.36945	0.71743	0.83475	-6.197	1E+08
ACAD8	-0.35912	0.35912	4.1653	-0.36931	0.71753	0.83475	-6.1971	27034
PPP1R10	0.065871	0.065871	1.1213	0.3693	0.71754	0.83475	-6.1971	5514
DOK2	-0.22744	0.22744	1.6062	-0.36921	0.71761	0.83475	-6.1971	9046
SMIM19	-0.14837	0.14837	1.8986	-0.36916	0.71764	0.83475	-6.1971	114926
ZNF30	-0.05043	0.050429	0.53383	-0.36912	0.71767	0.83475	-6.1971	90075
ZNF217	0.3913	0.3913	7.125	0.36867	0.718	0.83507	-6.1973	7764
C15orf39	-0.42678	0.42678	5.8269	-0.36861	0.71804	0.83507	-6.1973	56905
IL10RA	-0.41096	0.41096	3.1736	-0.36812	0.7184	0.83539	-6.1975	3587
UBXN1	-1.1171	1.1171	16.116	-0.36796	0.71852	0.83539	-6.1976	51035
COMT	-0.83287	0.83287	11.207	-0.3679	0.71856	0.83539	-6.1976	1312
ABHD8	0.45024	0.45024	2.5668	0.36789	0.71857	0.83539	-6.1976	79575
VDR	0.76684	0.76684	7.5326	0.36783	0.71861	0.83539	-6.1976	7421
DYNC1LI2	0.50759	0.50759	12.576	0.36783	0.71861	0.83539	-6.1976	1783
OSBPL10-AS1	-0.02836	0.028362	0.098836	-0.36772	0.71869	0.83542	-6.1977	1.01E+08

SMN2	-0.16353	0.16353	2.1973	-0.3673	0.719	0.83568	-6.1978	6607
GAREM1	0.22193	0.22193	3.4386	0.36729	0.71901	0.83568	-6.1978	64762
CYTH1	0.32013	0.32013	7.9454	0.36716	0.7191	0.83571	-6.1979	9267
SNORA11F	-0.04292	0.042919	0.14517	-0.36711	0.71914	0.83571	-6.1979	1.1E+08
RBM41	0.066967	0.066967	1.3414	0.36665	0.71947	0.83598	-6.1981	55285
PCAT6	0.14268	0.14268	1.827	0.36657	0.71953	0.83598	-6.1981	1.01E+08
SLC6A1-AS1	-0.0491	0.049095	0.16293	-0.36651	0.71957	0.83598	-6.1981	1.01E+08
ERCC4	-0.05219	0.052191	0.94268	-0.36635	0.71969	0.83598	-6.1982	2072
EEF1G	-22.779	22.779	441.23	-0.36628	0.71974	0.83598	-6.1982	1937
LOC613206	0.11792	0.11792	0.42222	0.36621	0.71979	0.83598	-6.1982	613206
MRPL41	1.9072	1.9072	20.283	0.36618	0.71981	0.83598	-6.1982	64975
TTC13	0.076479	0.076479	2.3278	0.36618	0.71982	0.83598	-6.1982	79573
ZNF684	-0.04714	0.04714	0.41896	-0.36618	0.71982	0.83598	-6.1982	127396
CDK2	0.42652	0.42652	5.3066	0.36605	0.71991	0.83603	-6.1983	1017
CNOT10	-0.1069	0.1069	2.9935	-0.36595	0.71999	0.83606	-6.1983	25904
C19orf38	0.082551	0.082551	0.42174	0.3658	0.72009	0.8361	-6.1984	255809
ZNF627	0.13907	0.13907	2.0464	0.36574	0.72013	0.8361	-6.1984	199692
ITPKB	0.42319	0.42319	6.5843	0.3657	0.72016	0.8361	-6.1984	3707
RGL3	0.069695	0.069695	0.38358	0.36546	0.72034	0.83624	-6.1985	57139
IFT46	0.23879	0.23879	3.3748	0.36531	0.72045	0.83632	-6.1986	56912
FAAP24	-0.08005	0.080051	0.56631	-0.36488	0.72076	0.83662	-6.1987	91442
FOXE1	0.15168	0.15168	1.3362	0.36403	0.72138	0.83709	-6.1991	2304
FMNL2	0.71446	0.71446	5.661	0.36397	0.72143	0.83709	-6.1991	114793
TWIST1	0.34766	0.34766	2.7963	0.36395	0.72144	0.83709	-6.1991	7291
GNPDA2	0.12895	0.12895	2.329	0.36394	0.72145	0.83709	-6.1991	132789
SLC35A3	-0.10364	0.10364	1.9575	-0.36393	0.72146	0.83709	-6.1991	23443

ZNF280C	-0.06094	0.060937	0.87212	-0.36392	0.72147	0.83709	-6.1991	55609
ZMAT2	0.65152	0.65152	11.482	0.36375	0.72159	0.83717	-6.1992	153527
RPAP3	0.12472	0.12472	1.7909	0.36353	0.72175	0.8373	-6.1992	79657
ISLR	1.4166	1.4166	11.307	0.36332	0.72191	0.83743	-6.1993	3671
LARGE-AS1	-0.03242	0.032416	0.26062	-0.36324	0.72196	0.83743	-6.1993	1.01E+08
MYCN	-0.04352	0.043521	0.2962	-0.36294	0.72218	0.83763	-6.1995	4613
SULT1A3	-0.09516	0.09516	0.76451	-0.36271	0.72235	0.83771	-6.1995	6818
SULT1A4	-0.09516	0.09516	0.76451	-0.36271	0.72235	0.83771	-6.1995	445329
LOC105375166	-0.03154	0.031544	0.13604	-0.36245	0.72254	0.83787	-6.1996	1.05E+08
ZNF576	-0.11747	0.11747	1.5537	-0.3623	0.72265	0.83795	-6.1997	79177
SHLD2P1	-0.02542	0.025418	0.070125	-0.36191	0.72294	0.83816	-6.1998	414241
LOC648987	-0.04983	0.049828	0.68392	-0.36183	0.72299	0.83816	-6.1999	648987
FNBP1L	-0.2015	0.2015	2.787	-0.36178	0.72303	0.83816	-6.1999	54874
SLC8A1-AS1	-0.05283	0.052833	0.21678	-0.36172	0.72307	0.83816	-6.1999	1E+08
CCNY	0.36888	0.36888	6.1381	0.3617	0.72308	0.83816	-6.1999	219771
IFITM2	8.5668	8.5668	52.431	0.36139	0.72332	0.83833	-6.2	10581
ABCC4	0.14299	0.14299	1.8104	0.36137	0.72332	0.83833	-6.2	10257
LINC01116	0.086817	0.086817	0.487	0.36095	0.72364	0.83863	-6.2002	375295
OVOL2	-0.11859	0.11859	1.5016	-0.36084	0.72372	0.83866	-6.2002	58495
GJA4	0.53067	0.53067	3.6691	0.36077	0.72376	0.83866	-6.2003	2701
GOLGA6L9	-0.08769	0.087688	0.78699	-0.3607	0.72382	0.83866	-6.2003	440295
GCA	0.14214	0.14214	0.95895	0.36055	0.72393	0.83874	-6.2003	25801
ZNF195	0.091683	0.091683	1.4212	0.36036	0.72407	0.83881	-6.2004	7748
EPB41L2	-0.4718	0.4718	3.9234	-0.36033	0.72409	0.83881	-6.2004	2037
DNP1	0.83096	0.83096	8.3777	0.3595	0.72469	0.83939	-6.2007	10591
GSTO2	-0.20608	0.20608	3.1543	-0.3595	0.72469	0.83939	-6.2007	119391

GRK5	0.4447	0.4447	4.2886	0.35938	0.72478	0.83941	-6.2008	2869
DUBR	-0.04976	0.049756	0.57187	-0.35934	0.72481	0.83941	-6.2008	344595
SNORA65	0.044361	0.044361	0.20643	0.35921	0.72491	0.83947	-6.2008	26783
PPP2R3A	-0.31069	0.31069	6.7776	-0.35832	0.72556	0.84012	-6.2012	5523
UTP4	0.56608	0.56608	7.2686	0.3583	0.72557	0.84012	-6.2012	84916
MRPS34	1.3269	1.3269	16.325	0.35808	0.72573	0.84025	-6.2013	65993
PMPCB	-0.18935	0.18935	3.8609	-0.35794	0.72584	0.84031	-6.2013	9512
SMIM10	-0.12638	0.12638	0.92321	-0.35786	0.72589	0.84032	-6.2013	644538
HAGLR	0.049026	0.049026	0.48767	0.35767	0.72603	0.8404	-6.2014	401022
MTMR14	-0.29748	0.29748	5.3061	-0.3576	0.72609	0.8404	-6.2014	64419
TOPBP1	-0.20531	0.20531	3.893	-0.35757	0.72611	0.8404	-6.2014	11073
ARMCX2	0.22102	0.22102	1.5916	0.35737	0.72625	0.84051	-6.2015	9823
PRPF18	0.23692	0.23692	5.0143	0.35696	0.72655	0.84077	-6.2017	8559
BGLAP	0.063949	0.063949	0.51608	0.35687	0.72662	0.84077	-6.2017	632
GNLY	0.08669	0.08669	0.61274	0.35684	0.72664	0.84077	-6.2017	10578
NUP62	0.54814	0.54814	7.3406	0.35679	0.72668	0.84077	-6.2017	23636
ZDHHC14	-0.14368	0.14368	1.7936	-0.35657	0.72684	0.84089	-6.2018	79683
TMEM45A	13.31	13.31	73.893	0.35642	0.72695	0.84097	-6.2019	55076
TRMU	-0.14278	0.14278	2.958	-0.35599	0.72726	0.84127	-6.202	55687
CFAP97	0.18539	0.18539	3.2205	0.35586	0.72736	0.84131	-6.2021	57587
CENPBD1P1	0.16715	0.16715	3.1766	0.35581	0.7274	0.84131	-6.2021	65996
SCARNA13	-18.19	18.19	188.54	-0.35545	0.72766	0.84156	-6.2022	677768
SEH1L	0.31626	0.31626	4.8128	0.35511	0.72791	0.84179	-6.2023	81929
LOC100310756	-0.04327	0.04327	0.33908	-0.35504	0.72796	0.84179	-6.2024	1E+08
KIF3B	-0.27397	0.27397	4.6702	-0.35474	0.72818	0.84191	-6.2025	9371
TBC1D3B	-0.23534	0.23534	0.55689	-0.3546	0.72828	0.84191	-6.2025	414059

LINC02541	-0.07135	0.071354	0.50628	-0.35454	0.72833	0.84191	-6.2025	1.02E+08
SUV39H2	0.068711	0.068711	1.103	0.35447	0.72837	0.84191	-6.2026	79723
XPO5	0.24149	0.24149	5.3209	0.35445	0.72839	0.84191	-6.2026	57510
CCDC153	0.061047	0.061047	0.52591	0.35445	0.72839	0.84191	-6.2026	283152
SLC39A1	1.1976	1.1976	12.576	0.35443	0.72841	0.84191	-6.2026	27173
EIF2AK1	-0.39799	0.39799	8.8772	-0.35427	0.72852	0.84198	-6.2026	27102
BRD2	-0.15281	0.15281	2.9528	-0.35417	0.7286	0.84201	-6.2027	6046
GRK2	-1.0458	1.0458	16.308	-0.35387	0.72881	0.8422	-6.2028	156
EZR-AS1	0.085606	0.085606	0.58021	0.35364	0.72899	0.84232	-6.2029	1.01E+08
DDT	1.1742	1.1742	13.9	0.35355	0.72905	0.84232	-6.2029	1652
ARID4B	0.13382	0.13382	3.3313	0.35349	0.72909	0.84232	-6.2029	51742
LOC101928034	-0.07949	0.079486	0.79288	-0.35346	0.72912	0.84232	-6.2029	1.02E+08
SELENOM	3.8896	3.8896	26.789	0.35336	0.72919	0.84235	-6.203	140606
ORC1	0.10557	0.10557	0.80962	0.35307	0.7294	0.84253	-6.2031	4998
CYB561D1	-0.34572	0.34572	3.5277	-0.353	0.72946	0.84254	-6.2031	284613
ATP8B1	-0.14149	0.14149	4.2118	-0.35261	0.72974	0.84276	-6.2032	5205
PPFIA2	0.042442	0.042442	0.23724	0.3526	0.72975	0.84276	-6.2033	8499
SDK2	-0.13783	0.13783	1.4273	-0.35227	0.72999	0.84293	-6.2034	54549
CLNS1A	0.86365	0.86365	11.738	0.35226	0.72999	0.84293	-6.2034	1207
RNF130	0.81808	0.81808	7.2505	0.35207	0.73014	0.84299	-6.2034	55819
ITGA11	0.6127	0.6127	2.6581	0.35206	0.73015	0.84299	-6.2034	22801
NLGN2	-0.48091	0.48091	3.7988	-0.35188	0.73028	0.84309	-6.2035	57555
KRBA1	0.30187	0.30187	2.6938	0.35177	0.73036	0.84312	-6.2036	84626
FBXL3	0.33676	0.33676	7.16	0.35166	0.73044	0.84316	-6.2036	26224
FUBP3	0.34824	0.34824	7.0676	0.35143	0.7306	0.8432	-6.2037	8939
PLPP5	0.106	0.106	2.0828	0.35142	0.73061	0.8432	-6.2037	84513

CAMLG	0.31336	0.31336	4.4771	0.3514	0.73063	0.8432	-6.2037	819
CEP41	0.031842	0.031842	0.26865	0.35059	0.73122	0.84371	-6.204	95681
PIM2	-0.12372	0.12372	1.5575	-0.35054	0.73126	0.84371	-6.204	11040
NUDT5	0.24236	0.24236	4.7265	0.35054	0.73126	0.84371	-6.204	11164
DPYSL4	-0.22032	0.22032	0.90073	-0.35049	0.73129	0.84371	-6.204	10570
TNFRSF11A	0.26518	0.26518	1.5718	0.35044	0.73133	0.84371	-6.204	8792
ABCA1	-0.47376	0.47376	7.0027	-0.35038	0.73137	0.84371	-6.204	19
LOC101929122	0.055346	0.055346	0.23477	0.35019	0.73152	0.84377	-6.2041	1.02E+08
BABAM1	0.73298	0.73298	11.048	0.35006	0.73161	0.84377	-6.2042	29086
MXRA7	0.61455	0.61455	6.7312	0.35005	0.73162	0.84377	-6.2042	439921
ATP2A1-AS1	-0.03853	0.038527	0.18668	-0.35004	0.73162	0.84377	-6.2042	1E+08
GLB1L3	0.22506	0.22506	0.89186	0.3498	0.7318	0.84392	-6.2043	112937
DIRAS3	-0.08465	0.084652	0.69537	-0.34949	0.73203	0.84406	-6.2044	9077
ARMH4	-0.09607	0.096073	0.90627	-0.34947	0.73204	0.84406	-6.2044	145407
FKRP	0.10584	0.10584	1.3718	0.34943	0.73207	0.84406	-6.2044	79147
CPSF4	-0.21471	0.21471	4.0288	-0.34926	0.73219	0.84412	-6.2045	10898
S100P	0.97247	0.97247	4.7412	0.34923	0.73222	0.84412	-6.2045	6286
SLC45A1	-0.03737	0.037369	0.21972	-0.34907	0.73234	0.84415	-6.2045	50651
SPATS2	0.11121	0.11121	2.7295	0.34903	0.73237	0.84415	-6.2045	65244
RBBP7	0.60387	0.60387	10.811	0.34898	0.7324	0.84415	-6.2046	5931
COIL	-0.10639	0.10639	2.6783	-0.34886	0.73249	0.8442	-6.2046	8161
N6AMT1	-0.0676	0.067601	0.94235	-0.34854	0.73273	0.84438	-6.2047	29104
FHL3	0.59638	0.59638	6.5099	0.3485	0.73275	0.84438	-6.2047	2275
HELLS	0.14704	0.14704	1.5768	0.34833	0.73288	0.84447	-6.2048	3070
PSMF1	-0.27168	0.27168	5.2166	-0.34825	0.73294	0.84449	-6.2048	9491
BRPF3	-0.22351	0.22351	4.0958	-0.34808	0.73306	0.84457	-6.2049	27154

ANAPC15	0.16137	0.16137	2.2035	0.34771	0.73333	0.84482	-6.205	25906
ELP5	0.24493	0.24493	3.5767	0.34751	0.73349	0.84483	-6.2051	23587
RNF224	0.097916	0.097916	0.53711	0.34745	0.73353	0.84483	-6.2051	643596
ARHGEF2	0.45813	0.45813	4.6787	0.34744	0.73354	0.84483	-6.2051	9181
UBE2Q2P2	-0.06462	0.064617	0.68334	-0.34743	0.73354	0.84483	-6.2051	1E+08
P3H3	0.48637	0.48637	3.0343	0.34716	0.73374	0.845	-6.2052	10536
CLTCL1	-0.09334	0.093344	1.1674	-0.34637	0.73432	0.84561	-6.2055	8218
PFN4	-0.03092	0.030924	0.33368	-0.34599	0.7346	0.84588	-6.2056	375189
RRP15	-0.0729	0.072903	1.2099	-0.34586	0.7347	0.84593	-6.2057	51018
LOC105377975	0.025505	0.025505	0.16894	0.34563	0.73486	0.84606	-6.2057	1.05E+08
ZBTB17	0.24913	0.24913	3.6564	0.34552	0.73494	0.8461	-6.2058	7709
SPINT1	2.1294	2.1294	26.058	0.34545	0.73499	0.8461	-6.2058	6692
DPP3	0.46184	0.46184	4.6339	0.34514	0.73522	0.84631	-6.2059	10072
RBM42	-1.0265	1.0265	12.824	-0.34497	0.73535	0.84639	-6.206	79171
FDXR	-0.51922	0.51922	4.1307	-0.34474	0.73552	0.84653	-6.2061	2232
DECR1	-0.26667	0.26667	3.6848	-0.34464	0.73559	0.84656	-6.2061	1666
FLNB-AS1	0.29474	0.29474	2.01	0.3445	0.73569	0.84662	-6.2061	1.05E+08
TOR3A	-0.29913	0.29913	4.5063	-0.34412	0.73597	0.84686	-6.2063	64222
MAF1	1.0809	1.0809	14.492	0.34407	0.73601	0.84686	-6.2063	84232
LRFN4	0.21181	0.21181	2.7509	0.34398	0.73607	0.84686	-6.2063	78999
TMEM176A	0.96505	0.96505	6.1036	0.34392	0.73612	0.84686	-6.2063	55365
DPF2	-0.26758	0.26758	4.1916	-0.34388	0.73615	0.84686	-6.2064	5977
FLNC	-0.43111	0.43111	3.0592	-0.34343	0.73648	0.84714	-6.2065	2318
PGGHG	-0.38361	0.38361	2.3727	-0.3434	0.7365	0.84714	-6.2065	80162
OLFML1	-0.31033	0.31033	2.3503	-0.34324	0.73662	0.84723	-6.2066	283298
PLEKHO2	0.66629	0.66629	5.3494	0.34302	0.73678	0.84735	-6.2067	80301

OR7E2P	0.042498	0.042498	0.25823	0.34281	0.73694	0.84747	-6.2067	8587
GSTM1	-0.93967	0.93967	4.5924	-0.34262	0.73708	0.84756	-6.2068	2944
TEC	0.066075	0.066075	1.1802	0.34257	0.73711	0.84756	-6.2068	7006
LINC01443	-0.03763	0.037632	0.12771	-0.34241	0.73723	0.84759	-6.2069	400644
FMO1	-0.23337	0.23337	1.1217	-0.34239	0.73724	0.84759	-6.2069	2326
RASSF2	0.31561	0.31561	3.4959	0.34225	0.73735	0.84766	-6.2069	9770
TMEM42	-0.19386	0.19386	1.7922	-0.34195	0.73757	0.84785	-6.207	131616
COMMD4	-0.40579	0.40579	4.2222	-0.34187	0.73763	0.84786	-6.2071	54939
KIF21B	-0.04978	0.049777	0.42026	-0.34174	0.73773	0.84792	-6.2071	23046
NOTCH2	-0.97833	0.97833	21.443	-0.3414	0.73797	0.84814	-6.2072	4853
ARL3	0.14947	0.14947	1.5727	0.34115	0.73816	0.84827	-6.2073	403
TLR5	-0.07256	0.072564	0.8693	-0.34111	0.73819	0.84827	-6.2073	7100
CBLB	0.23589	0.23589	2.197	0.34084	0.73839	0.84844	-6.2074	868
CNOT8	0.38063	0.38063	6.7314	0.34066	0.73852	0.84854	-6.2075	9337
APH1A	1.6852	1.6852	29.509	0.34058	0.73858	0.84855	-6.2075	51107
SAMD11	-0.03195	0.031952	0.25685	-0.34029	0.73879	0.84874	-6.2076	148398
L3MBTL3	0.078249	0.078249	0.8813	0.34009	0.73894	0.84885	-6.2077	84456
ERG28	-0.73244	0.73244	9.4641	-0.33994	0.73905	0.84888	-6.2077	11161
STX17	-0.23301	0.23301	4.9801	-0.33991	0.73907	0.84888	-6.2078	55014
CD46	-0.67527	0.67527	13.182	-0.33933	0.7395	0.84932	-6.208	4179
KLHL23	-0.03076	0.03076	0.22876	-0.33919	0.7396	0.84936	-6.208	151230
SH3PXD2B	0.97937	0.97937	9.4406	0.33914	0.73964	0.84936	-6.208	285590
MYO18A	-0.95751	0.95751	12.975	-0.33904	0.73972	0.84939	-6.2081	399687
NOS1	-0.18831	0.18831	1.4971	-0.33896	0.73977	0.8494	-6.2081	4842
SMPD4	-0.31473	0.31473	5.9886	-0.33872	0.73995	0.84952	-6.2082	55627
CTSO	0.40438	0.40438	3.7979	0.33848	0.74012	0.84952	-6.2083	1519

TMPO-AS1	-0.03469	0.034693	0.24465	-0.33845	0.74015	0.84952	-6.2083	1E+08
ARHGEF16	0.21434	0.21434	1.6647	0.33835	0.74022	0.84952	-6.2083	27237
INTS8	0.14459	0.14459	3.9485	0.33826	0.74029	0.84952	-6.2083	55656
TEX41	-0.0415	0.041498	0.23486	-0.33812	0.74039	0.84952	-6.2084	401014
TIMM29	-0.24305	0.24305	3.5521	-0.33812	0.74039	0.84952	-6.2084	90580
GET4	0.51992	0.51992	7.5767	0.33812	0.74039	0.84952	-6.2084	51608
LRMP	0.055517	0.055517	0.49328	0.33811	0.7404	0.84952	-6.2084	4033
LOC101928123	0.13169	0.13169	1.115	0.3381	0.7404	0.84952	-6.2084	1.02E+08
VPS33A	0.10055	0.10055	1.8157	0.33806	0.74043	0.84952	-6.2084	65082
MYL9	8.8229	8.8229	58.255	0.33783	0.74061	0.84965	-6.2085	10398
MTREX	0.33901	0.33901	6.3191	0.33777	0.74065	0.84965	-6.2085	23517
MGST3	1.3985	1.3985	11.045	0.33762	0.74076	0.84972	-6.2086	4259
HP	-0.07956	0.079563	0.35065	-0.33723	0.74105	0.84995	-6.2087	3240
TMEM181	-0.19059	0.19059	5.1843	-0.33722	0.74105	0.84995	-6.2087	57583
CD81	-6.0719	6.0719	84.075	-0.33694	0.74126	0.85005	-6.2088	975
SUMO1P3	-0.08213	0.082127	0.60926	-0.33692	0.74128	0.85005	-6.2088	474338
METTL25	0.088145	0.088145	1.2623	0.33686	0.74132	0.85005	-6.2088	84190
PHF19	0.15883	0.15883	1.9064	0.33677	0.74139	0.85005	-6.2088	26147
PDZK1IP1	5.6663	5.6663	41.566	0.33676	0.74139	0.85005	-6.2089	10158
NUDT1	-0.4622	0.4622	4.8066	-0.33666	0.74147	0.85007	-6.2089	4521
RPL13P5	-0.05789	0.057885	0.73537	-0.33657	0.74154	0.85007	-6.2089	283345
PRCC	0.72529	0.72529	12.834	0.33648	0.7416	0.85007	-6.2089	5546
CCDC9	-0.62662	0.62662	7.229	-0.33645	0.74162	0.85007	-6.209	26093
THOC5	-0.2116	0.2116	4.3015	-0.33634	0.74171	0.85007	-6.209	8563
MAPK8IP2	-0.06182	0.06182	0.53087	-0.33633	0.74171	0.85007	-6.209	23542
BORCS6	0.55313	0.55313	4.4521	0.33622	0.74179	0.8501	-6.209	54785

CASD1	-0.08756	0.087563	1.288	-0.33588	0.74204	0.85033	-6.2092	64921
CWF19L1	0.14028	0.14028	3.4123	0.33568	0.74219	0.85044	-6.2092	55280
LINC00597	0.078689	0.078689	0.494	0.33557	0.74227	0.85046	-6.2093	81698
CC2D1A	-0.54817	0.54817	7.502	-0.33545	0.74236	0.85046	-6.2093	54862
CNTNAP1	0.18682	0.18682	1.3895	0.33545	0.74236	0.85046	-6.2093	8506
GRID1	0.074237	0.074237	0.51126	0.33531	0.74246	0.85048	-6.2093	2894
LARP6	-0.14619	0.14619	1.2586	-0.33529	0.74248	0.85048	-6.2094	55323
RND1	0.12975	0.12975	0.54269	0.33497	0.74271	0.85066	-6.2095	27289
CETP	0.028658	0.028658	0.1575	0.33494	0.74274	0.85066	-6.2095	1071
SHARPIN	0.67129	0.67129	8.2363	0.3348	0.74284	0.85073	-6.2095	81858
RPS9	-19.968	19.968	238.85	-0.33453	0.74304	0.85088	-6.2096	6203
BAG6	0.19015	0.19015	3.3835	0.33448	0.74307	0.85088	-6.2096	7917
CAMK2N1	0.18605	0.18605	2.0057	0.33393	0.74349	0.85129	-6.2098	55450
SMARCE1	0.78008	0.78008	12.764	0.33352	0.74378	0.85154	-6.21	6605
NUP98	-0.35025	0.35025	7.7179	-0.33344	0.74385	0.85154	-6.21	4928
ZSCAN5A	-0.02575	0.025748	0.45213	-0.33332	0.74393	0.85154	-6.21	79149
LOC101926933	-0.0336	0.033604	0.16676	-0.33329	0.74395	0.85154	-6.21	1.02E+08
HGSNAT	-0.36315	0.36315	9.2912	-0.33329	0.74396	0.85154	-6.21	138050
RASD2	-0.08126	0.081256	0.41699	-0.33287	0.74426	0.85179	-6.2102	23551
STC1	-0.92866	0.92866	2.8164	-0.33284	0.74429	0.85179	-6.2102	6781
UROS	0.28963	0.28963	2.8838	0.33278	0.74433	0.85179	-6.2102	7390
MSH6	-0.32992	0.32992	4.9992	-0.33266	0.74442	0.85184	-6.2103	2956
TCTEX1D1	0.0463	0.0463	0.27338	0.33259	0.74447	0.85184	-6.2103	200132
HAUS8	0.085213	0.085213	0.92451	0.33233	0.74466	0.85195	-6.2104	93323
SULT1A1	-0.09849	0.098493	0.89182	-0.33233	0.74467	0.85195	-6.2104	6817
INTS5	-0.27589	0.27589	4.3078	-0.33212	0.74482	0.85205	-6.2104	80789

PDCD6IPP2	0.03158	0.03158	0.207	0.33207	0.74486	0.85205	-6.2105	646278
GINS2	0.25689	0.25689	1.9448	0.33178	0.74507	0.85224	-6.2106	51659
KCTD18	-0.16085	0.16085	3.1113	-0.33165	0.74516	0.85225	-6.2106	130535
IRGQ	0.18592	0.18592	3.096	0.33162	0.74518	0.85225	-6.2106	126298
NGRN	-0.94357	0.94357	15.451	-0.33139	0.74536	0.85239	-6.2107	51335
AKAP10	0.12253	0.12253	3.3585	0.33108	0.74559	0.8526	-6.2108	11216
NR2F1	0.040302	0.040302	0.33218	0.33084	0.74576	0.85274	-6.2109	7025
GALNT15	-0.41233	0.41233	2.3107	-0.33055	0.74598	0.85287	-6.211	117248
CHI3L1	-5.0309	5.0309	17.571	-0.33055	0.74598	0.85287	-6.211	1116
PCBP2	-3.0138	3.0138	61.471	-0.33031	0.74615	0.85299	-6.2111	5094
TBC1D7	0.086306	0.086306	1.3266	0.33027	0.74618	0.85299	-6.2111	51256
MME	0.9696	0.9696	4.1657	0.33011	0.7463	0.85299	-6.2111	4311
RFC2	0.49093	0.49093	6.3692	0.33004	0.74635	0.85299	-6.2111	5982
VRK1	0.22579	0.22579	2.7413	0.33001	0.74637	0.85299	-6.2112	7443
ARL11	0.035582	0.035582	0.2908	0.33	0.74639	0.85299	-6.2112	115761
SLC46A2	-0.48432	0.48432	2.6119	-0.32959	0.74669	0.8532	-6.2113	57864
NUDT16L1	-0.41416	0.41416	4.8249	-0.32957	0.7467	0.8532	-6.2113	84309
MFNG	-0.2437	0.2437	2.0598	-0.32955	0.74672	0.8532	-6.2113	4242
SNAPC1	0.13929	0.13929	1.6242	0.32933	0.74688	0.85333	-6.2114	6617
SPRED1	-0.2575	0.2575	3.4373	-0.32922	0.74696	0.85334	-6.2114	161742
SNORA51	-0.02689	0.02689	0.072842	-0.32913	0.74703	0.85334	-6.2115	677831
MMP17	0.17499	0.17499	1.6664	0.32911	0.74704	0.85334	-6.2115	4326
ZNF674	0.028407	0.028407	0.50633	0.32863	0.7474	0.85364	-6.2116	641339
RRP9	-0.43146	0.43146	4.1894	-0.32861	0.74741	0.85364	-6.2116	9136
TRIP6	1.4617	1.4617	21.826	0.32841	0.74756	0.85375	-6.2117	7205
SNORA77	-0.06959	0.069587	0.2521	-0.32822	0.7477	0.85386	-6.2118	677843

SGK2	0.04202	0.04202	0.38536	0.32807	0.74781	0.85393	-6.2118	10110
MKLN1-AS	-0.02776	0.027757	0.39058	-0.32784	0.74798	0.85406	-6.2119	1.01E+08
C2orf74	0.3509	0.3509	1.6529	0.32776	0.74804	0.85407	-6.2119	339804
UBP1	-0.2761	0.2761	7.9767	-0.32732	0.74837	0.85425	-6.2121	7342
FBXO6	-0.23121	0.23121	2.5086	-0.3273	0.74838	0.85425	-6.2121	26270
ZNF660	-0.02993	0.029927	0.26773	-0.32722	0.74844	0.85425	-6.2121	285349
ULK3	1.5394	1.5394	15.565	0.32718	0.74847	0.85425	-6.2121	25989
DLG3	0.15521	0.15521	2.4106	0.32714	0.7485	0.85425	-6.2121	1741
TNNI3	-0.02945	0.029449	0.22108	-0.32714	0.7485	0.85425	-6.2121	7137
SNRPC	0.86609	0.86609	9.2016	0.32691	0.74867	0.85439	-6.2122	6631
REST	-0.20499	0.20499	4.6585	-0.32678	0.74877	0.85444	-6.2122	5978
ZNF451	0.11713	0.11713	2.3837	0.32641	0.74904	0.85467	-6.2124	26036
LANCL1	-0.49558	0.49558	9.523	-0.32637	0.74907	0.85467	-6.2124	10314
RFC4	0.23008	0.23008	2.0909	0.32616	0.74923	0.85479	-6.2125	5984
MAP4K2	-0.07425	0.074246	1.6907	-0.32598	0.74936	0.85486	-6.2125	5871
FADS3	0.47313	0.47313	3.7704	0.32594	0.74939	0.85486	-6.2125	3995
FN3KRP	0.26853	0.26853	5.5766	0.32583	0.74947	0.85489	-6.2126	79672
FYB1	0.20377	0.20377	1.5286	0.32513	0.74999	0.85543	-6.2128	2533
DZIP1	0.088361	0.088361	0.81444	0.32482	0.75022	0.85563	-6.2129	22873
LPP	-0.60201	0.60201	8.1414	-0.32468	0.75032	0.85564	-6.213	4026
STK16	0.095909	0.095909	1.8362	0.32467	0.75033	0.85564	-6.213	8576
MYPOP	-0.18631	0.18631	2.6241	-0.32428	0.75062	0.85585	-6.2131	339344
KCND2	0.045175	0.045175	0.26827	0.32421	0.75067	0.85585	-6.2131	3751
RFNG	0.35277	0.35277	5.7009	0.3242	0.75068	0.85585	-6.2131	5986
CUL4B	0.22022	0.22022	4.8419	0.32415	0.75071	0.85585	-6.2131	8450
MANBA	0.13668	0.13668	2.3067	0.32404	0.7508	0.85589	-6.2132	4126

TTC8	-0.11167	0.11167	1.6482	-0.32363	0.7511	0.85617	-6.2133	123016
WASF1	0.078374	0.078374	1.1197	0.32342	0.75126	0.8563	-6.2134	8936
ALDH18A1	0.41943	0.41943	7.5269	0.32307	0.75152	0.85653	-6.2135	5832
RBL1	0.078985	0.078985	1.064	0.3229	0.75164	0.85653	-6.2135	5933
SERTAD3	0.29391	0.29391	4.1197	0.32287	0.75166	0.85653	-6.2136	29946
HSP90AB1	-7.2306	7.2306	100.7	-0.32283	0.75169	0.85653	-6.2136	3326
FARSA	0.73433	0.73433	10.403	0.3228	0.75171	0.85653	-6.2136	2193
FADD	0.36943	0.36943	4.7259	0.32263	0.75184	0.85661	-6.2136	8772
ZBTB8A	-0.06091	0.060913	0.87331	-0.32252	0.75192	0.85665	-6.2137	653121
RAB42	-0.07858	0.078582	0.53815	-0.32232	0.75207	0.85676	-6.2137	115273
UBALD1	0.47973	0.47973	6.6414	0.3222	0.75216	0.8568	-6.2138	124402
INPP1	0.38668	0.38668	5.099	0.32186	0.75241	0.85703	-6.2139	3628
DCAF5	0.17754	0.17754	5.1947	0.32165	0.75257	0.85714	-6.214	8816
WDR48	-0.14154	0.14154	3.5175	-0.3216	0.7526	0.85714	-6.214	57599
WRAP53	-0.09925	0.099251	1.2668	-0.3215	0.75268	0.85716	-6.214	55135
ARHGEF12	0.61424	0.61424	20.504	0.32115	0.75293	0.85735	-6.2141	23365
FAM210B	1.0176	1.0176	13.436	0.32114	0.75294	0.85735	-6.2141	116151
ZMYM4	0.18741	0.18741	4.3504	0.32085	0.75316	0.85754	-6.2142	9202
CNKSR3	0.22023	0.22023	4.9686	0.32075	0.75324	0.85757	-6.2143	154043
ATG2A	0.63273	0.63273	5.956	0.32068	0.75329	0.85757	-6.2143	23130
CCNK	-0.33861	0.33861	7.9824	-0.32061	0.75334	0.85757	-6.2143	8812
NBPF15	-0.24031	0.24031	7.8525	-0.32042	0.75347	0.85764	-6.2144	284565
HS3ST2	-0.07912	0.079122	0.37303	-0.32039	0.7535	0.85764	-6.2144	9956
MAFG-DT	-0.05709	0.057089	0.47622	-0.32003	0.75377	0.85789	-6.2145	92659
METTL1	-0.19321	0.19321	2.6364	-0.31993	0.75384	0.85791	-6.2145	4234
FADS6	0.48282	0.48282	3.0018	0.3198	0.75394	0.85796	-6.2146	283985

PCTP	0.1219	0.1219	1.1208	0.3195	0.75416	0.85812	-6.2147	58488
FAM135A	0.27719	0.27719	4.3297	0.3194	0.75423	0.85812	-6.2147	57579
MPG	0.89682	0.89682	9.0092	0.31938	0.75425	0.85812	-6.2147	4350
PRKAA1	0.22708	0.22708	4.2971	0.31934	0.75428	0.85812	-6.2147	5562
IFT80	-0.05844	0.058435	0.92996	-0.3192	0.75439	0.85818	-6.2148	57560
CORO1A	0.61437	0.61437	5.4663	0.31896	0.75456	0.85832	-6.2148	11151
NUMBL	-0.1727	0.1727	2.7123	-0.3189	0.75461	0.85832	-6.2149	9253
ABL1	-0.80461	0.80461	9.5378	-0.31843	0.75496	0.85866	-6.215	25
RMDN2	-0.03078	0.030783	0.48595	-0.31828	0.75506	0.85872	-6.2151	151393
LIN7B	0.26786	0.26786	2.5023	0.31781	0.75541	0.85906	-6.2152	64130
DTWD2	-0.06049	0.060487	0.97025	-0.3177	0.75549	0.85906	-6.2153	285605
RNF14	-0.12836	0.12836	3.1054	-0.31768	0.75551	0.85906	-6.2153	9604
GNB1L	-0.11024	0.11024	1.5416	-0.31723	0.75585	0.85928	-6.2154	54584
PPFIA4	0.059399	0.059399	0.70071	0.31721	0.75586	0.85928	-6.2154	8497
ARMC5	-0.27257	0.27257	3.0323	-0.31713	0.75592	0.85928	-6.2154	79798
TCF19	0.030671	0.030671	0.40529	0.31707	0.75596	0.85928	-6.2155	6941
FAM217B	0.069767	0.069767	1.3693	0.31694	0.75606	0.85928	-6.2155	63939
CYTH4	0.4012	0.4012	2.9068	0.31692	0.75607	0.85928	-6.2155	27128
NOA1	-0.26159	0.26159	6.1488	-0.31692	0.75607	0.85928	-6.2155	84273
SENCR	0.044745	0.044745	0.3716	0.31682	0.75615	0.85928	-6.2155	1.01E+08
RANBP2	0.44337	0.44337	10.629	0.3168	0.75617	0.85928	-6.2155	5903
THAP11	-0.43051	0.43051	6.4154	-0.31652	0.75638	0.85946	-6.2156	57215
KATNAL1	0.066713	0.066713	1.1732	0.31645	0.75643	0.85946	-6.2157	84056
CACNA2D3	-0.05034	0.050342	0.58635	-0.31633	0.75652	0.85951	-6.2157	55799
TSC22D4	-0.88293	0.88293	12.257	-0.31603	0.75674	0.8597	-6.2158	81628
DSCAS	0.58421	0.58421	3.2396	0.31586	0.75686	0.85975	-6.2159	1.02E+08

EWSR1	-1.1253	1.1253	22.705	-0.31583	0.75688	0.85975	-6.2159	2130
ABCB4	0.039535	0.039535	0.34305	0.31542	0.75719	0.86	-6.216	5244
ZNF32-AS1	-0.0517	0.0517	0.27798	-0.31539	0.75721	0.86	-6.216	414197
C17orf80	0.10013	0.10013	1.7126	0.3153	0.75728	0.86002	-6.216	55028
USP7	0.59859	0.59859	12.914	0.31468	0.75774	0.86049	-6.2162	7874
LSR	-0.63395	0.63395	10.07	-0.31419	0.7581	0.86079	-6.2164	51599
GNS	1.3404	1.3404	14.549	0.31411	0.75816	0.86079	-6.2164	2799
ZFP69	0.045953	0.045953	0.7047	0.31408	0.75819	0.86079	-6.2164	339559
RPS20	15.616	15.616	185.04	0.31405	0.75821	0.86079	-6.2164	6224
DEAF1	0.36918	0.36918	5.8925	0.31384	0.75836	0.86091	-6.2165	10522
BANP	-0.11106	0.11106	2.1575	-0.31349	0.75862	0.86114	-6.2166	54971
CPT1A	0.37312	0.37312	5.2856	0.31333	0.75874	0.86116	-6.2167	1374
DOCK2	-0.12637	0.12637	1.5076	-0.31329	0.75877	0.86116	-6.2167	1794
SOBP	-0.07871	0.078707	0.6017	-0.31324	0.75881	0.86116	-6.2167	55084
GUCD1	0.49671	0.49671	7.8231	0.31319	0.75885	0.86116	-6.2167	83606
HLA-DPB1	0.10103	0.10103	0.98986	0.31313	0.75889	0.86116	-6.2167	3115
XPO1	-0.54427	0.54427	10.172	-0.31284	0.75911	0.86135	-6.2168	7514
SMIM7	-0.30535	0.30535	7.1586	-0.31277	0.75916	0.86135	-6.2168	79086
EPO	0.031775	0.031775	0.14238	0.31249	0.75937	0.86153	-6.2169	2056
PET117	-0.10786	0.10786	2.1123	-0.31207	0.75968	0.86178	-6.2171	1E+08
KITLG	0.20661	0.20661	2.5368	0.31205	0.75969	0.86178	-6.2171	4254
NDUFB9	2.4927	2.4927	34.606	0.31193	0.75979	0.86181	-6.2171	4715
AMPH	0.079875	0.079875	0.43257	0.31185	0.75985	0.86181	-6.2171	273
DHX9	0.82461	0.82461	13.361	0.31181	0.75987	0.86181	-6.2172	1660
PDE4A	-0.18546	0.18546	1.6897	-0.31163	0.76001	0.86186	-6.2172	5141
FXR2	0.31418	0.31418	5.2046	0.31158	0.76004	0.86186	-6.2172	9513

B3GALT4	0.083607	0.083607	0.95289	0.31149	0.76011	0.86186	-6.2173	8705
MMRN2	-0.61742	0.61742	6.9	-0.31148	0.76012	0.86186	-6.2173	79812
PDZRN3	-0.14959	0.14959	1.5819	-0.31105	0.76044	0.86214	-6.2174	23024
GIT2	-0.21426	0.21426	4.4921	-0.31101	0.76047	0.86214	-6.2174	9815
MIR205HG	-2.2435	2.2435	40.379	-0.3109	0.76055	0.86217	-6.2174	642587
STK35	0.22631	0.22631	5.5615	0.31078	0.76064	0.86219	-6.2175	140901
LOC100289361	-0.04391	0.043912	0.34313	-0.31074	0.76067	0.86219	-6.2175	1E+08
SHROOM4	0.15163	0.15163	1.7928	0.31068	0.76071	0.86219	-6.2175	57477
GSTA4	1.253	1.253	14.428	0.31058	0.76079	0.86221	-6.2176	2941
GTF2IP12	-0.03371	0.033707	0.47411	-0.31047	0.76087	0.86221	-6.2176	1.02E+08
RPL8	-21.909	21.909	386.35	-0.31038	0.76093	0.86221	-6.2176	6132
KIAA0513	0.4743	0.4743	3.5462	0.31038	0.76094	0.86221	-6.2176	9764
ATAD3A	0.40488	0.40488	4.8407	0.3103	0.761	0.86222	-6.2176	55210
AQP9	0.44981	0.44981	3.8755	0.31021	0.76106	0.86223	-6.2177	366
DENND5A	0.5638	0.5638	6.0836	0.30997	0.76124	0.86234	-6.2177	23258
TMEM185B	0.25358	0.25358	4.4193	0.30992	0.76128	0.86234	-6.2178	79134
TLCD2	-0.11864	0.11864	1.5972	-0.30983	0.76135	0.86234	-6.2178	727910
CDC42SE2	0.28463	0.28463	4.6722	0.30982	0.76136	0.86234	-6.2178	56990
KCTD6	0.059303	0.059303	1.0883	0.30967	0.76146	0.8624	-6.2178	200845
FAM122A	-0.10809	0.10809	2.5231	-0.30953	0.76157	0.86245	-6.2179	116224
TACO1	0.22081	0.22081	3.7121	0.30944	0.76164	0.86245	-6.2179	51204
DTX3	-0.24916	0.24916	2.2946	-0.30941	0.76166	0.86245	-6.2179	196403
ST20	0.032829	0.032829	0.54748	0.30912	0.76187	0.86263	-6.218	400410
FAM189B	-0.35426	0.35426	4.1677	-0.30885	0.76208	0.86281	-6.2181	10712
ARHGEF15	-0.28333	0.28333	2.5675	-0.3087	0.76219	0.86283	-6.2182	22899
TPRG1	-0.39518	0.39518	3.7396	-0.3086	0.76226	0.86283	-6.2182	285386

PHB2	-2.7349	2.7349	38.056	-0.30858	0.76228	0.86283	-6.2182	11331
PI4KA	-0.27756	0.27756	6.8442	-0.30819	0.76257	0.86283	-6.2183	5297
SELENOH	1.1626	1.1626	12.554	0.30819	0.76257	0.86283	-6.2183	280636
SMU1	0.18552	0.18552	4.7763	0.30817	0.76258	0.86283	-6.2183	55234
KCNA3	-0.02452	0.024516	0.19105	-0.30809	0.76264	0.86283	-6.2183	3738
HES1	-0.52879	0.52879	12.837	-0.30806	0.76266	0.86283	-6.2184	3280
ECI2	0.35999	0.35999	4.5738	0.30802	0.76269	0.86283	-6.2184	10455
COX18	-0.06403	0.064027	1.145	-0.30799	0.76272	0.86283	-6.2184	285521
SDF2L1	0.47117	0.47117	3.9309	0.30785	0.76282	0.86283	-6.2184	23753
LINC01806	-0.0502	0.050203	0.56791	-0.30785	0.76282	0.86283	-6.2184	1.01E+08
UMPS	-0.09585	0.095851	3.0591	-0.30781	0.76285	0.86283	-6.2184	7372
HSPA1B	-0.92697	0.92697	10.347	-0.30775	0.7629	0.86283	-6.2185	3304
SLA	-0.18404	0.18404	1.6001	-0.30774	0.7629	0.86283	-6.2185	6503
IGSF3	0.67998	0.67998	12.147	0.30768	0.76295	0.86283	-6.2185	3321
EGFL7	-0.79944	0.79944	6.9766	-0.30765	0.76297	0.86283	-6.2185	51162
GPAA1	1.0009	1.0009	14.836	0.30747	0.7631	0.86284	-6.2185	8733
LOC100128653	-0.10762	0.10762	1.1663	-0.30745	0.76312	0.86284	-6.2185	1E+08
LOC644656	-0.02799	0.027989	0.56592	-0.3074	0.76315	0.86284	-6.2186	644656
SEMA4A	-0.52531	0.52531	9.0434	-0.30737	0.76318	0.86284	-6.2186	64218
ACTR8	0.11429	0.11429	2.8197	0.30719	0.76331	0.86293	-6.2186	93973
ARHGAP27	-0.18522	0.18522	3.1983	-0.30703	0.76343	0.863	-6.2187	201176
NFYB	-0.15198	0.15198	2.1419	-0.30694	0.7635	0.86303	-6.2187	4801
VNN1	-0.07281	0.072807	0.29383	-0.306	0.7642	0.86372	-6.219	8876
CCDC174	-0.09207	0.092068	2.8231	-0.30597	0.76422	0.86372	-6.219	51244
GPR89A	-0.14178	0.14178	3.1433	-0.30572	0.76441	0.86388	-6.2191	653519
GATB	0.36977	0.36977	4.8032	0.30553	0.76455	0.86398	-6.2192	5188

B4GALT6	-0.03293	0.032927	0.33145	-0.30528	0.76474	0.86413	-6.2192	9331
WRNIP1	-0.41181	0.41181	7.2307	-0.30473	0.76514	0.86451	-6.2194	56897
PPA2	0.41464	0.41464	7.0275	0.3047	0.76517	0.86451	-6.2194	27068
SP2	-0.16055	0.16055	3.776	-0.30453	0.7653	0.86457	-6.2195	6668
DCTN1	0.88625	0.88625	15.626	0.30449	0.76532	0.86457	-6.2195	1639
AKAP9	-0.25297	0.25297	4.5673	-0.30428	0.76548	0.86466	-6.2195	10142
ESRRA	-0.52212	0.52212	7.0644	-0.30424	0.76551	0.86466	-6.2196	2101
AURKC	-0.0261	0.026095	0.33088	-0.30406	0.76564	0.86475	-6.2196	6795
CPEB1	-0.03369	0.033691	0.33947	-0.30379	0.76584	0.86492	-6.2197	64506
GPBP1	0.22814	0.22814	5.7573	0.30327	0.76623	0.8653	-6.2199	65056
SIRT6	0.32545	0.32545	4.4301	0.30309	0.76637	0.86533	-6.2199	51548
APOC1	0.24452	0.24452	1.0855	0.30305	0.7664	0.86533	-6.2199	341
PTGR1	0.68753	0.68753	9.6408	0.30304	0.76641	0.86533	-6.2199	22949
C19orf25	-0.21533	0.21533	2.6689	-0.30297	0.76646	0.86533	-6.22	148223
MOSPD3	-0.54336	0.54336	6.44	-0.30265	0.76669	0.8655	-6.2201	64598
IL31RA	0.023925	0.023925	0.13254	0.30262	0.76672	0.8655	-6.2201	133396
MAN2B1	-0.69752	0.69752	11.894	-0.30245	0.76685	0.86556	-6.2201	4125
ZNF708	-0.09303	0.093031	1.1373	-0.30239	0.76689	0.86556	-6.2201	7562
OSCAR	0.074197	0.074197	0.60359	0.30229	0.76696	0.86556	-6.2202	126014
NOD2	-0.38323	0.38323	5.0182	-0.30228	0.76698	0.86556	-6.2202	64127
RNASEH2A	-0.42193	0.42193	3.8822	-0.30216	0.76706	0.8656	-6.2202	10535
ARL2	-0.80638	0.80638	12.829	-0.30193	0.76723	0.86574	-6.2203	402
PXN	1.3434	1.3434	14.736	0.30125	0.76774	0.8662	-6.2205	5829
PTPRG-AS1	-0.02474	0.024737	0.17749	-0.30117	0.7678	0.8662	-6.2205	1.01E+08
ZNF184	-0.03952	0.039522	0.78176	-0.30114	0.76782	0.8662	-6.2205	7738
SPECC1L-ADORA2A	0.048139	0.048139	0.51568	0.30111	0.76784	0.8662	-6.2205	1.02E+08

PHKB	-0.16014	0.16014	3.9918	-0.3009	0.768	0.86632	-6.2206	5257
RUVBL2	-0.71962	0.71962	9.3867	-0.30073	0.76813	0.86632	-6.2206	10856
MRM2	-0.24392	0.24392	4.1214	-0.30067	0.76818	0.86632	-6.2207	29960
PKN2	0.20411	0.20411	4.7999	0.30063	0.7682	0.86632	-6.2207	5586
SOX18	1.0195	1.0195	8.7395	0.30063	0.76821	0.86632	-6.2207	54345
PCSK7	0.31795	0.31795	6.0985	0.30046	0.76833	0.8664	-6.2207	9159
SLC25A20	0.153	0.153	2.221	0.2996	0.76898	0.86707	-6.221	788
ANKRD10	0.3955	0.3955	6.4854	0.29952	0.76903	0.86707	-6.221	55608
MVB12A	0.46631	0.46631	6.9395	0.29946	0.76908	0.86707	-6.221	93343
UGGT1	0.18674	0.18674	4.6103	0.29902	0.76941	0.86738	-6.2212	56886
EFCAB14	0.55825	0.55825	14.464	0.2988	0.76957	0.86751	-6.2212	9813
MCRIP1	1.148	1.148	10.005	0.29864	0.76969	0.86758	-6.2213	348262
FAM207A	-0.38913	0.38913	4.8189	-0.29845	0.76983	0.86758	-6.2213	85395
ZFAND1	0.20651	0.20651	3.8676	0.29842	0.76986	0.86758	-6.2214	79752
ATP6V1C1	0.2154	0.2154	3.5566	0.29831	0.76993	0.86758	-6.2214	528
CRLF1	-0.81244	0.81244	6.7653	-0.29831	0.76993	0.86758	-6.2214	9244
ARRDC3	-0.70841	0.70841	12.923	-0.2983	0.76994	0.86758	-6.2214	57561
LILRB4	-0.15514	0.15514	0.79241	-0.29821	0.77001	0.8676	-6.2214	11006
KLHDC2	-0.40336	0.40336	8.7886	-0.29785	0.77028	0.86784	-6.2215	23588
YBX3	7.5834	7.5834	108.51	0.29767	0.77041	0.86793	-6.2216	8531
ZC3H14	0.16283	0.16283	4.5245	0.2975	0.77054	0.86797	-6.2216	79882
RBKS	0.033282	0.033282	0.39614	0.2975	0.77054	0.86797	-6.2216	64080
DIO2	0.61056	0.61056	4.2012	0.29719	0.77078	0.86817	-6.2217	1734
CST3	8.1966	8.1966	88.059	0.29702	0.7709	0.86824	-6.2218	1471
MSMP	-0.21454	0.21454	3.3761	-0.29686	0.77102	0.86824	-6.2218	692094
CYSTM1	0.47421	0.47421	5.6371	0.29686	0.77102	0.86824	-6.2218	84418

NOTUM	-0.03158	0.031576	0.30969	-0.29682	0.77105	0.86824	-6.2218	147111
SCARB2	0.97149	0.97149	15.891	0.29666	0.77117	0.86833	-6.2219	950
DGCR6L	-0.88111	0.88111	9.5357	-0.29658	0.77123	0.86833	-6.2219	85359
PXMP2	-0.22477	0.22477	2.9898	-0.29649	0.7713	0.86835	-6.2219	5827
LOC105377623	-0.04378	0.043777	0.25957	-0.2964	0.77137	0.86837	-6.222	1.05E+08
FKBP8	3.6288	3.6288	49.241	0.29631	0.77143	0.86838	-6.222	23770
HOXA1	-0.03137	0.031367	0.61455	-0.29547	0.77206	0.86902	-6.2223	3198
B3GNT7	-0.07208	0.072076	0.68193	-0.29542	0.7721	0.86902	-6.2223	93010
CEP350	0.18531	0.18531	5.7192	0.29521	0.77225	0.86905	-6.2223	9857
ABHD6	0.23837	0.23837	3.1239	0.29519	0.77227	0.86905	-6.2223	57406
FCHO1	-0.29662	0.29662	1.7783	-0.29513	0.77231	0.86905	-6.2224	23149
RCSD1	0.076128	0.076128	0.81099	0.29508	0.77235	0.86905	-6.2224	92241
CAMKMT	-0.03193	0.031926	1.2251	-0.29504	0.77238	0.86905	-6.2224	79823
INKA2-AS1	0.024675	0.024675	0.15289	0.29481	0.77255	0.86918	-6.2225	1.01E+08
GALC	-0.19994	0.19994	2.6309	-0.29475	0.7726	0.86918	-6.2225	2581
IGBP1	0.47816	0.47816	10.358	0.29453	0.77276	0.86931	-6.2225	3476
ITGB5	-0.88791	0.88791	19.717	-0.29436	0.77289	0.86939	-6.2226	3693
AIP	-0.39948	0.39948	5.2968	-0.29421	0.773	0.86946	-6.2226	9049
DRAM1	0.49467	0.49467	3.3896	0.29397	0.77318	0.86959	-6.2227	55332
C1orf52	-0.0654	0.065398	1.7922	-0.29392	0.77322	0.86959	-6.2227	148423
RHOB	1.5742	1.5742	35.078	0.2938	0.77331	0.86963	-6.2228	388
PIM3	0.93348	0.93348	14.985	0.29358	0.77347	0.86972	-6.2228	415116
FAH	-0.26251	0.26251	2.8033	-0.29356	0.77349	0.86972	-6.2228	2184
WDR36	0.1764	0.1764	3.5955	0.29345	0.77357	0.86976	-6.2229	134430
MGLL	-0.63196	0.63196	9.0975	-0.2933	0.77369	0.86982	-6.2229	11343
ARL6	0.026969	0.026969	0.42933	0.29316	0.77378	0.86988	-6.223	84100

LIMD2	-0.18198	0.18198	1.7647	-0.29306	0.77386	0.86991	-6.223	80774
SCARNA26A	-0.36508	0.36508	5.1942	-0.29287	0.77401	0.86991	-6.223	1.07E+08
NEU1	0.051278	0.051278	0.75226	0.29284	0.77402	0.86991	-6.2231	4758
ALDOC	-0.52404	0.52404	8.085	-0.29276	0.77409	0.86991	-6.2231	230
FANCA	-0.06909	0.069085	0.90909	-0.29275	0.77409	0.86991	-6.2231	2175
MPST	-1.0298	1.0298	13.709	-0.29271	0.77413	0.86991	-6.2231	4357
ITPRIPL1	-0.03064	0.030637	0.35134	-0.29261	0.7742	0.86994	-6.2231	150771
CALHM6	0.082979	0.082979	0.50188	0.29196	0.77469	0.87028	-6.2233	441168
SLC39A3	0.14647	0.14647	2.0522	0.29182	0.77479	0.87028	-6.2234	29985
TMEM121	-0.0447	0.044698	0.3612	-0.29178	0.77482	0.87028	-6.2234	80757
ZFP37	0.037679	0.037679	0.34393	0.29174	0.77485	0.87028	-6.2234	7539
ZNF793-AS1	-0.0219	0.021899	0.21101	-0.29173	0.77486	0.87028	-6.2234	1.02E+08
DNALI1	-0.02591	0.025911	0.36788	-0.29171	0.77487	0.87028	-6.2234	7802
CCAR1	0.23061	0.23061	6.1937	0.29171	0.77487	0.87028	-6.2234	55749
VAMP5	0.87948	0.87948	7.3939	0.29165	0.77492	0.87028	-6.2234	10791
LMNB2	0.79837	0.79837	7.0573	0.29156	0.77498	0.87029	-6.2234	84823
MLH1	-0.16308	0.16308	3.5991	-0.29151	0.77503	0.87029	-6.2235	4292
TNFAIP8L1	0.15377	0.15377	2.3252	0.29123	0.77523	0.87046	-6.2235	126282
HOXD1	-0.03297	0.032974	0.22417	-0.29113	0.77531	0.87049	-6.2236	3231
CIB1	1.2068	1.2068	13.005	0.291	0.7754	0.87051	-6.2236	10519
RPS4X	-19.38	19.38	340.07	-0.29097	0.77543	0.87051	-6.2236	6191
TRIR	2.3239	2.3239	35.649	0.29089	0.77549	0.87051	-6.2236	79002
SBNO1	-0.16203	0.16203	4.5322	-0.29083	0.77553	0.87051	-6.2237	55206
PSME2	-1.9473	1.9473	22.393	-0.2907	0.77563	0.87056	-6.2237	5721
A2M	9.9129	9.9129	65.384	0.29047	0.7758	0.87069	-6.2238	2
PCYT2	0.10542	0.10542	1.9761	0.29026	0.77596	0.87078	-6.2238	5833

PDE4D	0.081833	0.081833	1.0236	0.29023	0.77598	0.87078	-6.2238	5144
XRCC6	2.3392	2.3392	40.042	0.28992	0.77621	0.87098	-6.2239	2547
RPIA	-0.17294	0.17294	2.6234	-0.28977	0.77633	0.87105	-6.224	22934
XRN2	0.57833	0.57833	9.481	0.28962	0.77644	0.87106	-6.224	22803
TPPP	-0.28243	0.28243	2.5735	-0.28957	0.77648	0.87106	-6.224	11076
HINT2	-0.53581	0.53581	7.2787	-0.28955	0.77649	0.87106	-6.224	84681
DENND2A	-0.06916	0.069161	0.77436	-0.28941	0.7766	0.87106	-6.2241	27147
EPDR1	0.19146	0.19146	1.2782	0.28936	0.77663	0.87106	-6.2241	54749
ZNF385A	1.8094	1.8094	31.942	0.28929	0.77669	0.87106	-6.2241	25946
PRSS36	0.056426	0.056426	0.5232	0.28927	0.7767	0.87106	-6.2241	146547
OSGIN2	0.074292	0.074292	1.3111	0.28912	0.77681	0.87107	-6.2242	734
ETFB	-0.89253	0.89253	10.04	-0.28906	0.77685	0.87107	-6.2242	2109
TMEM98	-0.41258	0.41258	4.5973	-0.28906	0.77686	0.87107	-6.2242	26022
USP33	-0.20182	0.20182	4.7326	-0.28878	0.77707	0.87125	-6.2243	23032
ACER1	1.6659	1.6659	9.0276	0.28842	0.77734	0.87149	-6.2244	125981
NEK1	0.063527	0.063527	1.4969	0.28835	0.77739	0.87149	-6.2244	4750
RPS5	-16.276	16.276	266.14	-0.28785	0.77776	0.87185	-6.2245	6193
GPR34	0.17809	0.17809	1.4634	0.28753	0.77801	0.87198	-6.2246	2857
TACC1	-0.30569	0.30569	4.1983	-0.28751	0.77802	0.87198	-6.2246	6867
NDRG4	2.127	2.127	12.96	0.28749	0.77804	0.87198	-6.2247	65009
PSRC1	0.081241	0.081241	0.77899	0.28704	0.77837	0.8723	-6.2248	84722
CCP110	0.063731	0.063731	1.4377	0.28695	0.77844	0.87232	-6.2248	9738
KRBOX1	-0.08488	0.084883	0.7462	-0.2864	0.77885	0.87269	-6.225	1.01E+08
CBWD1	0.49478	0.49478	6.6649	0.28637	0.77887	0.87269	-6.225	55871
TAGLN	-3.6254	3.6254	27.417	-0.28619	0.77901	0.87278	-6.225	6876
MLEC	-0.48505	0.48505	9.6163	-0.28609	0.77909	0.87281	-6.2251	9761

DEFB4A	35.435	35.435	116.96	0.28542	0.77959	0.87332	-6.2253	1673
LOC105372273	-0.13285	0.13285	1.0247	-0.28502	0.77988	0.87359	-6.2254	1.05E+08
TMEM260	-0.06521	0.065207	1.5851	-0.2849	0.77998	0.87364	-6.2254	54916
RABGAP1	-0.20919	0.20919	8.3788	-0.28466	0.78015	0.87373	-6.2255	23637
LASP1	1.2625	1.2625	17.827	0.28465	0.78016	0.87373	-6.2255	3927
LMBR1L	0.19853	0.19853	3.9412	0.28444	0.78032	0.87385	-6.2255	55716
PSMG4	-0.21553	0.21553	3.301	-0.2841	0.78058	0.87408	-6.2256	389362
ERV3-1-ZNF117	0.028564	0.028564	0.15704	0.28392	0.78071	0.8741	-6.2257	1.1E+08
FA2H	0.17214	0.17214	0.79998	0.2839	0.78073	0.8741	-6.2257	79152
FILIP1	0.050227	0.050227	0.45282	0.28386	0.78075	0.8741	-6.2257	27145
MRGPRF	0.55123	0.55123	5.4191	0.28324	0.78122	0.87457	-6.2259	116535
TUBD1	0.050756	0.050756	1.0431	0.28308	0.78134	0.87464	-6.2259	51174
BASP1	0.96129	0.96129	9.7595	0.2829	0.78148	0.87474	-6.226	10409
ZMYM5	-0.06988	0.069879	1.457	-0.28263	0.78168	0.87486	-6.2261	9205
LOC102724579	0.025907	0.025907	0.17365	0.28262	0.78169	0.87486	-6.2261	1.03E+08
CDX1	0.02086	0.02086	0.10298	0.28253	0.78176	0.87488	-6.2261	1044
FAM167B	0.080638	0.080638	0.57872	0.28242	0.78184	0.87491	-6.2261	84734
C5orf22	0.1054	0.1054	2.1252	0.28235	0.78189	0.87491	-6.2262	55322
PCYOX1	0.33282	0.33282	9.8874	0.28214	0.78205	0.87503	-6.2262	51449
RNU12	0.30464	0.30464	3.2229	0.28199	0.78216	0.87509	-6.2263	267010
FASTK	-0.62673	0.62673	9.8546	-0.2816	0.78245	0.87531	-6.2264	10922
METTL14	-0.10577	0.10577	2.4984	-0.2816	0.78246	0.87531	-6.2264	57721
JCAD	0.27546	0.27546	3.3586	0.28146	0.78256	0.87536	-6.2264	57608
UBN1	-0.28076	0.28076	6.9845	-0.28135	0.78264	0.87536	-6.2264	29855
DDX60L	-0.13756	0.13756	1.6192	-0.28133	0.78266	0.87536	-6.2265	91351
NAP1L3	-0.03561	0.035606	0.31073	-0.28126	0.78271	0.87536	-6.2265	4675

PLEKHA1	-0.3377	0.3377	7.4032	-0.28091	0.78297	0.87557	-6.2266	59338
SLC8B1	0.36231	0.36231	6.4671	0.28088	0.78299	0.87557	-6.2266	80024
MRTFA-AS1	0.11091	0.11091	1.086	0.28075	0.78309	0.87561	-6.2266	1.02E+08
UBR5-AS1	-0.02509	0.025089	0.32806	-0.28063	0.78318	0.87566	-6.2267	1.02E+08
DOCK4-AS1	-0.04931	0.049309	0.47338	-0.28049	0.78329	0.87572	-6.2267	1.01E+08
ANTXR2	-0.22316	0.22316	2.5877	-0.28012	0.78357	0.87597	-6.2268	118429
MAP3K2	-0.20425	0.20425	4.7015	-0.27983	0.78378	0.87616	-6.2269	10746
RDH12	1.5122	1.5122	10.312	0.2794	0.7841	0.87646	-6.227	145226
ZNF235	0.039508	0.039508	0.82371	0.2792	0.78425	0.87657	-6.2271	9310
ERCC6L	0.040489	0.040489	0.49934	0.27889	0.78449	0.87677	-6.2272	54821
EIF2AK3	-0.09063	0.090629	2.3287	-0.27882	0.78454	0.87677	-6.2272	9451
MTRNR2L9	-0.55455	0.55455	2.2858	-0.27826	0.78496	0.87719	-6.2273	1E+08
FAM160A1	-0.48272	0.48272	8.6771	-0.27801	0.78515	0.87725	-6.2274	729830
MAIP1	0.12347	0.12347	2.4387	0.27798	0.78518	0.87725	-6.2274	79568
WAS	0.27018	0.27018	2.2512	0.27797	0.78518	0.87725	-6.2274	7454
LOC284581	0.071003	0.071003	0.42297	0.27765	0.78542	0.87747	-6.2275	284581
POLR1C	0.13119	0.13119	2.9125	0.27717	0.78578	0.87781	-6.2276	9533
CCL7	0.060011	0.060011	0.2643	0.27709	0.78584	0.87782	-6.2277	6354
IQCG	-0.04258	0.042578	0.77164	-0.27679	0.78607	0.87801	-6.2278	84223
ATP11C	0.12207	0.12207	2.0231	0.27648	0.7863	0.87817	-6.2278	286410
ACOT4	-0.03665	0.03665	0.31746	-0.27647	0.78631	0.87817	-6.2278	122970
PEX11A	0.03897	0.03897	0.71717	0.27627	0.78646	0.87828	-6.2279	8800
EVADR	-0.40555	0.40555	2.1729	-0.27567	0.78691	0.87872	-6.2281	1.02E+08
GS1-124K5.11	0.071442	0.071442	2.5509	0.27534	0.78716	0.87891	-6.2282	493754
SMDT1	0.39238	0.39238	6.1148	0.27531	0.78718	0.87891	-6.2282	91689
PEX11B	-0.17464	0.17464	4.164	-0.27524	0.78723	0.87891	-6.2282	8799

ZNF567	-0.04772	0.047722	0.91563	-0.27508	0.78735	0.87898	-6.2282	163081
ZNF660-ZNF197	-0.02484	0.024844	0.23055	-0.27444	0.78784	0.87943	-6.2284	1.1E+08
MFSD8	-0.06641	0.066407	1.5467	-0.27441	0.78786	0.87943	-6.2284	256471
CAMK1	-0.13896	0.13896	1.6107	-0.2742	0.78802	0.87949	-6.2285	8536
SET	1.7067	1.7067	32.615	0.27409	0.7881	0.87949	-6.2285	6418
AFF2	-0.02101	0.021011	0.18386	-0.27409	0.7881	0.87949	-6.2285	2334
NKPD1	-0.50132	0.50132	3.5809	-0.27406	0.78812	0.87949	-6.2285	284353
NRXN2	-0.04689	0.046892	0.35174	-0.27341	0.78861	0.87979	-6.2287	9379
KAT5	-0.27767	0.27767	7.5875	-0.2734	0.78862	0.87979	-6.2287	10524
RRBP1	1.582	1.582	16.809	0.27339	0.78862	0.87979	-6.2287	6238
ARIH1	-0.21704	0.21704	8.7019	-0.27339	0.78863	0.87979	-6.2287	25820
GAP43	-0.02757	0.027572	0.15766	-0.2733	0.78869	0.87979	-6.2287	2596
ZNF615	-0.04819	0.048191	0.90769	-0.27329	0.7887	0.87979	-6.2287	284370
PTPRA	0.34218	0.34218	10.815	0.27308	0.78886	0.87991	-6.2288	5786
EID1	1.0733	1.0733	13.035	0.27287	0.78902	0.88002	-6.2289	23741
RNPEP	0.57702	0.57702	11.9	0.27281	0.78906	0.88002	-6.2289	6051
IPO11	0.12998	0.12998	2.5042	0.2726	0.78922	0.88014	-6.2289	51194
CSRP1	-2.3155	2.3155	31.082	-0.27222	0.78951	0.8804	-6.229	1465
TPK1	-0.03364	0.03364	0.34426	-0.27208	0.78961	0.88042	-6.2291	27010
FLJ44635	0.02256	0.02256	0.20056	0.27206	0.78963	0.88042	-6.2291	392490
CNTLN	0.04902	0.04902	0.59912	0.27197	0.78969	0.88043	-6.2291	54875
COQ6	0.081172	0.081172	1.7385	0.27156	0.79	0.88072	-6.2292	51004
EIF3A	1.1635	1.1635	22.994	0.27138	0.79014	0.88081	-6.2293	8661
TP63	1.7658	1.7658	30.835	0.2713	0.7902	0.88082	-6.2293	8626
GNPTG	-0.63111	0.63111	11.367	-0.27104	0.7904	0.88093	-6.2294	84572
RBPM5	-0.4604	0.4604	5.2351	-0.27097	0.79045	0.88093	-6.2294	11030

LOC389906	-0.23478	0.23478	4.473	-0.27097	0.79045	0.88093	-6.2294	389906
PUM2	-0.34416	0.34416	10.935	-0.27059	0.79074	0.88119	-6.2295	23369
LIF	-0.17889	0.17889	1.2647	-0.27023	0.79101	0.88143	-6.2296	3976
WDR86	-0.03697	0.036967	0.23825	-0.27003	0.79116	0.88154	-6.2297	349136
PSMB8-AS1	-0.02425	0.024247	0.19212	-0.26972	0.79139	0.88172	-6.2297	1.01E+08
LRRC10B	-0.04479	0.044785	0.1974	-0.26967	0.79143	0.88172	-6.2298	390205
GRAMD1A	0.61767	0.61767	5.5945	0.26951	0.79155	0.88178	-6.2298	57655
MOGS	-0.38567	0.38567	8.5391	-0.26947	0.79158	0.88178	-6.2298	7841
TMEM53	0.046822	0.046822	0.7816	0.26931	0.7917	0.88186	-6.2299	79639
AAR2	-0.23781	0.23781	5.546	-0.2692	0.79178	0.88188	-6.2299	25980
ADTRP	-0.08337	0.083367	1.2122	-0.26908	0.79187	0.8819	-6.2299	84830
SNORA110	0.038615	0.038615	0.20683	0.26895	0.79197	0.8819	-6.23	1.07E+08
INPP5K	0.32208	0.32208	6.0362	0.26892	0.79199	0.8819	-6.23	51763
CENPO	-0.09898	0.098981	1.8313	-0.26891	0.792	0.8819	-6.23	79172
SAAL1	-0.10378	0.10378	2.1861	-0.26868	0.79217	0.88203	-6.23	113174
IL17RA	-0.21482	0.21482	3.2225	-0.26828	0.79247	0.88229	-6.2301	23765
PARP11	-0.04428	0.044276	0.87793	-0.26824	0.79251	0.88229	-6.2302	57097
HERC3	0.26415	0.26415	5.5274	0.2681	0.79261	0.88235	-6.2302	8916
CHRAC1	0.20068	0.20068	3.9143	0.2678	0.79284	0.88251	-6.2303	54108
DHRS4	0.92545	0.92545	9.6586	0.26777	0.79286	0.88251	-6.2303	10901
RASSF7	-0.32453	0.32453	4.8534	-0.26752	0.79305	0.88261	-6.2304	8045
IL21R	0.037527	0.037527	0.30084	0.26743	0.79312	0.88261	-6.2304	50615
ZNF720	0.037961	0.037961	1.1922	0.26737	0.79316	0.88261	-6.2304	124411
EVPLL	0.13213	0.13213	1.0151	0.26737	0.79316	0.88261	-6.2304	645027
LBH	-0.84407	0.84407	9.1904	-0.2673	0.79321	0.88261	-6.2304	81606
PARVG	0.066319	0.066319	0.75558	0.26703	0.79342	0.88278	-6.2305	64098

LINC00319	-0.05939	0.059385	0.49905	-0.26696	0.79347	0.88278	-6.2305	284836
RACK1	19.602	19.602	367.37	0.26682	0.79358	0.88284	-6.2305	10399
RP9P	-0.06011	0.060113	1.4935	-0.26664	0.79371	0.88287	-6.2306	441212
SAP130	-0.10244	0.10244	3.6111	-0.26662	0.79373	0.88287	-6.2306	79595
PABPC4	-0.80406	0.80406	13.947	-0.26657	0.79376	0.88287	-6.2306	8761
RNASE1	-6.0343	6.0343	43.177	-0.26639	0.7939	0.88293	-6.2307	6035
TFF3	-0.09485	0.094849	1.1189	-0.26636	0.79392	0.88293	-6.2307	7033
CEBPZOS	0.13738	0.13738	2.6053	0.26624	0.79401	0.88297	-6.2307	1.01E+08
XDH	-0.10115	0.10115	0.87296	-0.26617	0.79407	0.88298	-6.2307	7498
LOC728554	0.41712	0.41712	4.4974	0.2661	0.79412	0.88298	-6.2307	728554
RANGAP1	-1.1519	1.1519	14.42	-0.26602	0.79418	0.88298	-6.2308	5905
PRMT1	1.292	1.292	17.761	0.26596	0.79423	0.88298	-6.2308	3276
FEN1	0.35443	0.35443	3.3588	0.26589	0.79428	0.88298	-6.2308	2237
LOC101928659	-0.02145	0.021452	0.1505	-0.26578	0.79436	0.88301	-6.2308	1.02E+08
RPL23AP7	-0.08436	0.08436	1.349	-0.26558	0.79451	0.88312	-6.2309	118433
LOC100129617	0.089925	0.089925	1.2982	0.26536	0.79468	0.88325	-6.2309	1E+08
LCMT2	0.082203	0.082203	1.8017	0.26523	0.79478	0.88326	-6.231	9836
PPM1A	0.11702	0.11702	3.2237	0.2652	0.7948	0.88326	-6.231	5494
TRAF7	0.90912	0.90912	17.807	0.26486	0.79505	0.88349	-6.2311	84231
CD101	0.021748	0.021748	0.55182	0.26479	0.79511	0.88349	-6.2311	9398
GSTCD	-0.05987	0.059873	1.4251	-0.26468	0.79519	0.88353	-6.2311	79807
CR1	-0.10612	0.10612	0.57073	-0.26447	0.79535	0.88363	-6.2312	1378
DRG1	0.5106	0.5106	11.585	0.26442	0.79539	0.88363	-6.2312	4733
GADD45A	0.72407	0.72407	8.6584	0.26435	0.79544	0.88363	-6.2312	1647
LOC101929295	0.049871	0.049871	0.46396	0.26414	0.7956	0.88365	-6.2313	1.02E+08
PLEKHF1	0.17044	0.17044	2.603	0.26408	0.79565	0.88365	-6.2313	79156

UCKL1	0.12347	0.12347	4.7236	0.264	0.79571	0.88365	-6.2313	54963
POLR3D	0.19678	0.19678	3.9018	0.26392	0.79577	0.88365	-6.2313	661
EIF2B3	0.15067	0.15067	3.4817	0.26391	0.79578	0.88365	-6.2313	8891
MEIS3P1	0.15866	0.15866	1.4947	0.26388	0.79579	0.88365	-6.2313	4213
BCR	-0.42797	0.42797	8.222	-0.26384	0.79583	0.88365	-6.2314	613
ITGB2	-0.67484	0.67484	6.4218	-0.26375	0.79589	0.88367	-6.2314	3689
TRIM45	-0.06976	0.069763	0.85102	-0.26364	0.79598	0.88371	-6.2314	80263
RPL19	-15.466	15.466	299.85	-0.26338	0.79617	0.88386	-6.2315	6143
OCIAD1	0.39098	0.39098	10.194	0.26328	0.79625	0.88389	-6.2315	54940
MIR3648-1	-24.408	24.408	140.77	-0.26297	0.79648	0.88398	-6.2316	1.01E+08
MIR3648-2	-24.408	24.408	140.77	-0.26297	0.79648	0.88398	-6.2316	1.04E+08
TNFRSF8	-0.02117	0.021167	0.18801	-0.26297	0.79648	0.88398	-6.2316	943
SINHCAF	0.26525	0.26525	5.4665	0.26289	0.79654	0.88398	-6.2316	58516
CXCL10	0.29922	0.29922	1.4092	0.26282	0.7966	0.88398	-6.2316	3627
ST13	-0.77434	0.77434	19.17	-0.26275	0.79665	0.88399	-6.2317	6767
STAMPB	-0.06038	0.060382	2.6085	-0.26244	0.79688	0.88413	-6.2317	10617
DHRS4-AS1	0.087078	0.087078	1.6806	0.2624	0.79691	0.88413	-6.2317	55449
MPP1	0.30179	0.30179	3.927	0.26237	0.79694	0.88413	-6.2318	4354
CDC42BPB	-0.61497	0.61497	15.888	-0.2622	0.79706	0.88421	-6.2318	9578
POLR2A	1.5632	1.5632	29.475	0.262	0.79721	0.88432	-6.2319	5430
GORASP1	-0.1529	0.1529	5.064	-0.26194	0.79726	0.88432	-6.2319	64689
RBBP9	-0.14678	0.14678	4.0242	-0.2614	0.79767	0.88465	-6.232	10741
NENF	-0.98881	0.98881	12.755	-0.26135	0.79771	0.88465	-6.232	29937
TTC26	0.033342	0.033342	0.58317	0.26133	0.79772	0.88465	-6.232	79989
TMEM191B	0.028387	0.028387	0.2902	0.26125	0.79778	0.88466	-6.2321	728229
VGLL3	0.20577	0.20577	2.0218	0.26105	0.79793	0.88472	-6.2321	389136

PAPSS1	0.30713	0.30713	10.356	0.26103	0.79794	0.88472	-6.2321	9061
GADD45G	-0.2388	0.2388	1.9986	-0.26095	0.79801	0.88472	-6.2321	10912
THAP12	-0.22519	0.22519	4.898	-0.2609	0.79805	0.88472	-6.2322	5612
LOC101927051	-0.03072	0.030724	0.37411	-0.26067	0.79822	0.88485	-6.2322	1.02E+08
GPSM3	0.053184	0.053184	0.46363	0.2606	0.79827	0.88485	-6.2322	63940
HEY2	0.1009	0.1009	1.0349	0.26053	0.79832	0.88485	-6.2323	23493
ELL	0.17573	0.17573	4.3688	0.2604	0.79842	0.8849	-6.2323	8178
ZCCHC7	0.089023	0.089023	3.6222	0.26012	0.79864	0.88491	-6.2324	84186
HOXA11	0.039943	0.039943	0.4185	0.26007	0.79867	0.88491	-6.2324	3207
GVINP1	-0.03671	0.036709	0.34011	-0.26001	0.79872	0.88491	-6.2324	387751
TRIM27	0.048204	0.048204	0.89368	0.25981	0.79887	0.88491	-6.2324	5987
KRT1	746.92	746.92	3303.4	0.25979	0.79888	0.88491	-6.2325	3848
SLX1A	0.15292	0.15292	2.3806	0.25978	0.79889	0.88491	-6.2325	548593
SLX1B	0.15292	0.15292	2.3806	0.25978	0.79889	0.88491	-6.2325	79008
GSK3B	-0.17365	0.17365	7.6516	-0.25972	0.79893	0.88491	-6.2325	2932
SCD5	-0.05932	0.059316	0.88595	-0.25972	0.79894	0.88491	-6.2325	79966
AFAP1L2	-0.35506	0.35506	5.2499	-0.25962	0.79902	0.88491	-6.2325	84632
NRSN2	0.23138	0.23138	2.3245	0.25958	0.79905	0.88491	-6.2325	80023
MTHFS	-0.10889	0.10889	1.0191	-0.25955	0.79907	0.88491	-6.2325	10588
LYSMD2	0.085904	0.085904	0.99745	0.25949	0.79911	0.88491	-6.2325	256586
ALG1	0.12024	0.12024	1.9658	0.25932	0.79924	0.88499	-6.2326	56052
BMS1P14	0.050191	0.050191	0.67958	0.25924	0.7993	0.88499	-6.2326	728034
LOC653712	-0.03124	0.031236	0.21056	-0.25919	0.79934	0.88499	-6.2326	653712
ARHGAP18	0.22104	0.22104	2.8848	0.25912	0.79939	0.88499	-6.2326	93663
THSD7A	-0.05795	0.057946	0.76956	-0.2588	0.79963	0.88507	-6.2327	221981
RNF115	-0.21158	0.21158	4.4863	-0.25877	0.79966	0.88507	-6.2327	27246

LZTR1	-0.23091	0.23091	4.7756	-0.25872	0.7997	0.88507	-6.2327	8216
LIPM	0.72998	0.72998	3.8879	0.25868	0.79972	0.88507	-6.2327	340654
DHRS4L2	0.31959	0.31959	4.441	0.25868	0.79972	0.88507	-6.2327	317749
STRN4	-0.64367	0.64367	13.483	-0.2585	0.79986	0.88516	-6.2328	29888
DHX57	0.078985	0.078985	2.5023	0.25828	0.80002	0.88529	-6.2329	90957
CACFD1	0.16553	0.16553	2.0507	0.25801	0.80023	0.88545	-6.2329	11094
USE1	-0.24277	0.24277	4.5433	-0.25737	0.80072	0.88594	-6.2331	55850
LOC104968399	0.018834	0.018834	0.16902	0.25711	0.80091	0.88609	-6.2332	1.05E+08
CASP1	0.34418	0.34418	4.3744	0.25698	0.80101	0.88615	-6.2332	834
DMWD	-0.314	0.314	5.7673	-0.25667	0.80124	0.88635	-6.2333	1762
BLOC1S1-RDH5	-0.04422	0.044221	0.37735	-0.25659	0.8013	0.88635	-6.2333	1.01E+08
IP6K1	-0.22097	0.22097	6.5207	-0.25646	0.8014	0.88641	-6.2333	9807
ATF2	0.15319	0.15319	2.9361	0.25632	0.80151	0.88641	-6.2334	1386
PRR14	-0.21708	0.21708	5.9946	-0.25631	0.80151	0.88641	-6.2334	78994
LMBRD2	0.08293	0.08293	2.447	0.25609	0.80168	0.8865	-6.2334	92255
FGFR1	-0.52401	0.52401	6.5801	-0.25606	0.8017	0.8865	-6.2334	2260
LRMDA	0.058884	0.058884	0.7386	0.25586	0.80185	0.8866	-6.2335	83938
PRIM2	0.065923	0.065923	1.2688	0.25575	0.80194	0.8866	-6.2335	5558
MPHOSPH6	0.42114	0.42114	5.5896	0.25573	0.80195	0.8866	-6.2335	10200
IL4I1	-0.11408	0.11408	0.76142	-0.25562	0.80203	0.8866	-6.2336	259307
CD44	3.4908	3.4908	82.803	0.2556	0.80205	0.8866	-6.2336	960
GTF2H4	-0.02839	0.028389	0.46968	-0.25544	0.80218	0.88668	-6.2336	2968
TPP2	-0.12259	0.12259	4.2955	-0.25506	0.80246	0.88688	-6.2337	7174
FAM104A	0.13197	0.13197	5.5162	0.25505	0.80246	0.88688	-6.2337	84923
LOC100133920	-0.0263	0.026299	0.19252	-0.25483	0.80264	0.88702	-6.2338	1E+08
G2E3	-0.05297	0.052971	1.0282	-0.25449	0.80289	0.88716	-6.2339	55632

FBXL19	-0.44336	0.44336	5.7712	-0.25446	0.80292	0.88716	-6.2339	54620
ANO8	0.76013	0.76013	6.7798	0.25444	0.80293	0.88716	-6.2339	57719
MPEG1	0.67286	0.67286	6.4245	0.25437	0.80298	0.88716	-6.2339	219972
CACNA2D1	-0.06033	0.060328	0.97334	-0.2543	0.80303	0.88716	-6.2339	781
MTCH1	-1.0309	1.0309	26.509	-0.25418	0.80313	0.88721	-6.2339	23787
PCDH12	-0.1096	0.1096	1.4565	-0.25405	0.80322	0.88726	-6.234	51294
CKS1B	0.54507	0.54507	8.1528	0.25398	0.80328	0.88726	-6.234	1163
EBF2	-0.07803	0.078027	0.61538	-0.25388	0.80336	0.88729	-6.234	64641
GBP5	0.15566	0.15566	0.98128	0.25369	0.8035	0.88735	-6.2341	115362
TSNAX	0.29397	0.29397	6.0018	0.25356	0.8036	0.88735	-6.2341	7257
INO80E	-0.28947	0.28947	6.6847	-0.25354	0.80361	0.88735	-6.2341	283899
IDH3B	0.42805	0.42805	9.8001	0.25348	0.80366	0.88735	-6.2341	3420
RTL1	0.06689	0.06689	0.39846	0.25343	0.80369	0.88735	-6.2341	388015
CMTM7	-0.13572	0.13572	1.4019	-0.25337	0.80374	0.88735	-6.2341	112616
BRI3	1.1332	1.1332	17.588	0.25332	0.80378	0.88735	-6.2342	25798
NCF1C	0.0652	0.0652	0.50069	0.2532	0.80387	0.88739	-6.2342	654817
USP34	0.32908	0.32908	10.466	0.25287	0.80412	0.88751	-6.2343	9736
CCSAP	-0.15846	0.15846	2.5116	-0.25286	0.80413	0.88751	-6.2343	126731
ZFPL1	0.35436	0.35436	7.2082	0.25284	0.80414	0.88751	-6.2343	7542
PALB2	0.071051	0.071051	2.4165	0.2526	0.80433	0.88763	-6.2344	79728
DHRS7B	0.15829	0.15829	2.9194	0.25257	0.80435	0.88763	-6.2344	25979
CTAGE15	0.040447	0.040447	0.33196	0.25247	0.80442	0.88765	-6.2344	441294
MEX3A	-0.0324	0.032395	0.40483	-0.25229	0.80456	0.88769	-6.2344	92312
NEAT1	16.004	16.004	199.79	0.25223	0.8046	0.88769	-6.2344	283131
MFHAS1	-0.25039	0.25039	4.9571	-0.25222	0.80461	0.88769	-6.2344	9258
CACNA1C	0.14374	0.14374	1.2207	0.25207	0.80473	0.88775	-6.2345	775

HNRNPM	-1.3475	1.3475	24.233	-0.252	0.80478	0.88775	-6.2345	4670
SLC35B2	-0.35462	0.35462	5.4302	-0.25167	0.80502	0.88791	-6.2346	347734
TMC6	-0.40716	0.40716	5.8312	-0.25164	0.80505	0.88791	-6.2346	11322
LOC100422556	-0.05462	0.054615	0.54475	-0.25161	0.80507	0.88791	-6.2346	1E+08
ANKRD13D	0.3977	0.3977	6.6195	0.25151	0.80515	0.88793	-6.2346	338692
CFAP69	0.058392	0.058392	0.58552	0.25108	0.80547	0.88823	-6.2347	79846
TGM2	-0.93104	0.93104	4.9324	-0.25098	0.80555	0.88826	-6.2348	7052
CISH	0.17862	0.17862	2.7137	0.25088	0.80562	0.88827	-6.2348	1154
POLR3A	-0.07253	0.072527	2.8171	-0.2508	0.80569	0.88827	-6.2348	11128
ZBTB5	0.11962	0.11962	4.1458	0.25076	0.80572	0.88827	-6.2348	9925
SLC25A28	-0.44843	0.44843	9.1285	-0.25049	0.80592	0.88841	-6.2349	81894
DLST	0.5161	0.5161	11.614	0.25045	0.80595	0.88841	-6.2349	1743
SYNC	0.085183	0.085183	1.2378	0.25017	0.80616	0.88854	-6.235	81493
RHBDD2	0.62187	0.62187	11.508	0.25015	0.80618	0.88854	-6.235	57414
PIGV	0.08493	0.08493	2.2993	0.24999	0.8063	0.88862	-6.235	55650
BAALC-AS2	0.029162	0.029162	0.11652	0.24972	0.80651	0.88879	-6.2351	157556
ATRAID	-0.82443	0.82443	14.184	-0.24904	0.80702	0.8893	-6.2353	51374
ZNF616	-0.03892	0.038924	0.91239	-0.24897	0.80707	0.8893	-6.2353	90317
MIR203A	0.15578	0.15578	0.71084	0.24878	0.80722	0.8894	-6.2353	406986
C2CD2L	-0.22695	0.22695	3.5015	-0.24863	0.80733	0.88946	-6.2354	9854
PLCD3	0.84451	0.84451	9.2183	0.24822	0.80764	0.88975	-6.2355	113026
ISCU	-0.27619	0.27619	4.8145	-0.24732	0.80832	0.89044	-6.2357	23479
NFKBIE	-0.10185	0.10185	1.4528	-0.24726	0.80837	0.89044	-6.2357	4794
EDN1	0.17136	0.17136	3.3134	0.2471	0.80849	0.89051	-6.2358	1906
PDIA5	0.31902	0.31902	4.5106	0.24675	0.80876	0.89075	-6.2359	10954
GPS1	0.31652	0.31652	8.2196	0.24632	0.80908	0.89095	-6.236	2873

LINC00622	0.028433	0.028433	0.21739	0.24631	0.80909	0.89095	-6.236	644242
AAACL2	0.95865	0.95865	5.5773	0.24628	0.80911	0.89095	-6.236	344752
P2RX4	0.18274	0.18274	1.9694	0.24623	0.80915	0.89095	-6.236	5025
MET	0.17538	0.17538	2.8485	0.24602	0.80931	0.89098	-6.236	4233
EYA2	-0.22554	0.22554	1.4562	-0.24597	0.80934	0.89098	-6.2361	2139
GDF15	-0.10888	0.10888	0.53036	-0.24594	0.80937	0.89098	-6.2361	9518
GLB1L2	-0.29167	0.29167	2.0214	-0.24585	0.80944	0.89098	-6.2361	89944
BRCC3	-0.1123	0.1123	2.4316	-0.24581	0.80947	0.89098	-6.2361	79184
AKR7A2	0.29061	0.29061	6.3185	0.24578	0.8095	0.89098	-6.2361	8574
FBXL7	0.15596	0.15596	1.6259	0.2455	0.8097	0.89105	-6.2362	23194
COL27A1	-0.49038	0.49038	5.4921	-0.24548	0.80972	0.89105	-6.2362	85301
LINC01431	-0.02594	0.025936	0.17926	-0.24521	0.80992	0.89105	-6.2362	1.01E+08
QSER1	-0.19409	0.19409	5.0533	-0.2452	0.80993	0.89105	-6.2362	79832
PLEKHJ1	0.37438	0.37438	6.03	0.24516	0.80996	0.89105	-6.2363	55111
TFRC	-0.78347	0.78347	7.9954	-0.24504	0.81006	0.89105	-6.2363	7037
TSN	0.32069	0.32069	7.1391	0.24503	0.81006	0.89105	-6.2363	7247
FCN3	0.050688	0.050688	0.42538	0.245	0.81009	0.89105	-6.2363	8547
ZNF283	0.047839	0.047839	1.2255	0.24498	0.8101	0.89105	-6.2363	284349
BAG5	-0.25683	0.25683	6.7133	-0.24497	0.8101	0.89105	-6.2363	9529
PTGIR	0.13954	0.13954	1.2605	0.24487	0.81018	0.89105	-6.2363	5739
VAPB	-0.13153	0.13153	4.0278	-0.24485	0.8102	0.89105	-6.2363	9217
IL18	-0.60898	0.60898	9.9128	-0.24462	0.81037	0.89118	-6.2364	3606
SUMF2	-0.83325	0.83325	17.443	-0.24445	0.8105	0.89123	-6.2364	25870
EVI5L	-0.22052	0.22052	4.1185	-0.24443	0.81051	0.89123	-6.2364	115704
CCDC12	-0.29522	0.29522	7.0828	-0.24434	0.81059	0.89125	-6.2365	151903
VPS16	0.21477	0.21477	5.1358	0.24426	0.81064	0.89125	-6.2365	64601

SNHG8	-1.6284	1.6284	28.106	-0.24405	0.8108	0.89137	-6.2365	1E+08
LYG2	-0.01834	0.018338	0.091908	-0.24395	0.81088	0.8914	-6.2366	254773
SPATA33	-0.04291	0.042908	0.80355	-0.24383	0.81097	0.89144	-6.2366	124045
TEX261	0.48737	0.48737	9.5393	0.24317	0.81147	0.89191	-6.2368	113419
TTC22	0.6402	0.6402	6.042	0.24313	0.8115	0.89191	-6.2368	55001
CHURC1	-0.2559	0.2559	5.798	-0.24301	0.81159	0.89195	-6.2368	91612
LPCAT4	-0.16824	0.16824	3.6927	-0.24283	0.81173	0.89204	-6.2368	254531
PANK4	-0.13175	0.13175	3.0988	-0.24264	0.81188	0.89209	-6.2369	55229
MRC2	1.2888	1.2888	14.672	0.24257	0.81193	0.89209	-6.2369	9902
PRDM5	-0.04254	0.042544	0.57704	-0.24256	0.81193	0.89209	-6.2369	11107
DANCR	0.17452	0.17452	4.4847	0.24223	0.81218	0.89227	-6.237	57291
CCDC34	-0.04246	0.042461	0.69817	-0.24221	0.8122	0.89227	-6.237	91057
GGNBP2	0.30107	0.30107	8.8835	0.24199	0.81237	0.89235	-6.2371	79893
AFDN-DT	0.018952	0.018952	0.27851	0.24197	0.81238	0.89235	-6.2371	653483
CASP7	0.27163	0.27163	3.3542	0.24187	0.81246	0.89238	-6.2371	840
SH2B2	0.055476	0.055476	0.65918	0.24166	0.81262	0.89245	-6.2371	10603
LOC100419583	-0.30334	0.30334	5.1055	-0.24164	0.81263	0.89245	-6.2371	1E+08
ABCB1	-0.03349	0.033491	0.52689	-0.24142	0.8128	0.89257	-6.2372	5243
PLCG1-AS1	-0.02814	0.028143	0.48824	-0.24133	0.81287	0.89257	-6.2372	1.02E+08
S100A7A	-5.7123	5.7123	24.911	-0.24126	0.81292	0.89257	-6.2372	338324
SC5D	0.14922	0.14922	2.8823	0.24116	0.813	0.89257	-6.2373	6309
FAM168B	0.45602	0.45602	10.673	0.24115	0.81301	0.89257	-6.2373	130074
CDK4	1.0344	1.0344	14.666	0.24104	0.81309	0.89261	-6.2373	1019
RHNO1	-0.10387	0.10387	2.0737	-0.24073	0.81333	0.89265	-6.2374	83695
C11orf95	-0.14716	0.14716	2.2422	-0.2407	0.81335	0.89265	-6.2374	65998
CPA6	0.020284	0.020284	0.16252	0.2407	0.81335	0.89265	-6.2374	57094

POLR2F	-0.14182	0.14182	2.63	-0.24062	0.81341	0.89265	-6.2374	5435
LYNX1	-0.48684	0.48684	4.7193	-0.24061	0.81342	0.89265	-6.2374	66004
ELK1	0.23202	0.23202	4.9957	0.24057	0.81345	0.89265	-6.2374	2002
CCDC32	-0.05793	0.05793	1.5063	-0.24026	0.81368	0.89285	-6.2375	90416
PSORS1C2	0.68218	0.68218	3.4414	0.23999	0.81389	0.89302	-6.2375	170680
DDX28	0.11987	0.11987	2.6071	0.23985	0.81399	0.89307	-6.2376	55794
FAM13C	-0.09095	0.090953	1.2284	-0.23979	0.81404	0.89307	-6.2376	220965
LRWD1	0.18387	0.18387	2.5669	0.2397	0.8141	0.89308	-6.2376	222229
AATK	-0.03302	0.033022	0.52467	-0.2396	0.81418	0.89311	-6.2376	9625
S100PBP	-0.06754	0.067542	2.0411	-0.23872	0.81485	0.89374	-6.2379	64766
TCEA1	0.32688	0.32688	10.855	0.23871	0.81486	0.89374	-6.2379	6917
HOXC13	0.087341	0.087341	1.5708	0.23797	0.81542	0.89423	-6.238	3229
SOCS2-AS1	0.030223	0.030223	0.23698	0.23783	0.81553	0.89423	-6.2381	144481
RIPOR1	0.42909	0.42909	6.6055	0.2378	0.81555	0.89423	-6.2381	79567
CTNNBIP1	2.2421	2.2421	47.198	0.23779	0.81556	0.89423	-6.2381	56998
SULT1C4	-0.01918	0.019182	0.20609	-0.23775	0.81559	0.89423	-6.2381	27233
PPHLN1	-0.13744	0.13744	3.1943	-0.23766	0.81566	0.89423	-6.2381	51535
LOC101928000	0.034046	0.034046	0.46682	0.23762	0.81568	0.89423	-6.2381	1.02E+08
RAB20	0.13473	0.13473	1.1492	0.23725	0.81597	0.89449	-6.2382	55647
SH3BGRL2	-0.23581	0.23581	2.1106	-0.23705	0.81612	0.89454	-6.2383	83699
PABPC4L	-0.02157	0.021569	0.24158	-0.23699	0.81617	0.89454	-6.2383	132430
SOX7	-0.99573	0.99573	12.662	-0.23697	0.81618	0.89454	-6.2383	83595
SNTA1	-0.19495	0.19495	3.0483	-0.23646	0.81657	0.89491	-6.2384	6640
GRIN2D	0.02159	0.02159	0.25098	0.23622	0.81675	0.89506	-6.2385	2906
TIMP1	7.9227	7.9227	59.594	0.23573	0.81712	0.89535	-6.2386	7076
AFTPH	0.2396	0.2396	6.3726	0.23567	0.81717	0.89535	-6.2386	54812

CHMP4A	0.29336	0.29336	7.6863	0.23565	0.81718	0.89535	-6.2386	29082
FJX1	-0.27115	0.27115	3.9175	-0.23546	0.81733	0.89542	-6.2387	24147
WDR13	0.27058	0.27058	6.8578	0.23544	0.81735	0.89542	-6.2387	64743
UPB1	-0.01783	0.017826	0.096236	-0.23528	0.81746	0.89547	-6.2387	51733
CCR7	-0.05215	0.052153	0.51896	-0.23523	0.81751	0.89547	-6.2387	1236
RASD1	-0.64021	0.64021	5.117	-0.23509	0.81761	0.89553	-6.2387	51655
CPNE2	0.36617	0.36617	5.4342	0.23497	0.8177	0.89557	-6.2388	221184
NRCAM	0.12221	0.12221	0.86135	0.23475	0.81787	0.8957	-6.2388	4897
MIR155HG	0.019199	0.019199	0.18604	0.23458	0.818	0.89576	-6.2389	114614
IL22RA1	-0.28552	0.28552	4.7701	-0.23454	0.81803	0.89576	-6.2389	58985
INVS	-0.04688	0.046884	1.887	-0.23433	0.81819	0.89587	-6.2389	27130
PCOTH	-0.07324	0.073242	0.80162	-0.23414	0.81834	0.89598	-6.239	542767
CASTOR1	-0.254	0.254	3.5492	-0.23393	0.81849	0.89609	-6.239	652968
HS3ST6	-1.2418	1.2418	8.6025	-0.23359	0.81875	0.89612	-6.2391	64711
LOC101928304	-0.02074	0.020744	0.18946	-0.23359	0.81875	0.89612	-6.2391	1.02E+08
PPM1K	-0.07896	0.078955	0.94299	-0.23357	0.81877	0.89612	-6.2391	152926
EFNA3	-1.3341	1.3341	20.713	-0.23357	0.81877	0.89612	-6.2391	1944
NDUFS8	1.064	1.064	18.921	0.23354	0.81879	0.89612	-6.2391	4728
PDHX	0.095491	0.095491	3.0643	0.23338	0.81891	0.8962	-6.2392	8050
RASGRP4	-0.04595	0.045954	0.65954	-0.23307	0.81915	0.8964	-6.2392	115727
MT1L	-0.10868	0.10868	0.89807	-0.23293	0.81926	0.89646	-6.2393	4500
CCDC121	0.023664	0.023664	0.4157	0.23282	0.81934	0.89649	-6.2393	79635
SPATA2L	0.090611	0.090611	1.7002	0.23243	0.81964	0.89676	-6.2394	124044
PDCD2L	-0.0655	0.065497	1.5367	-0.23236	0.81969	0.89676	-6.2394	84306
BAG1	-0.41792	0.41792	10.797	-0.2321	0.81989	0.89692	-6.2395	573
IMMT	0.35217	0.35217	8.541	0.23198	0.81998	0.89696	-6.2395	10989

ZNF846	-0.06502	0.06502	1.8454	-0.23162	0.82026	0.89721	-6.2396	162993
UNC93A	0.42585	0.42585	3.4036	0.23146	0.82037	0.89726	-6.2396	54346
CD3EAP	0.088201	0.088201	1.3779	0.23141	0.82041	0.89726	-6.2396	10849
ARHGAP24	0.068305	0.068305	1.3673	0.23115	0.82061	0.89737	-6.2397	83478
PEX19	-0.20945	0.20945	5.9973	-0.23114	0.82062	0.89737	-6.2397	5824
RWDD2A	0.034346	0.034346	0.52566	0.23098	0.82074	0.8974	-6.2397	112611
PRDM2	0.1623	0.1623	6.7288	0.23097	0.82075	0.8974	-6.2397	7799
CPVL	0.33739	0.33739	3.9147	0.23045	0.82114	0.89777	-6.2399	54504
CARD10	-0.41732	0.41732	4.9175	-0.23005	0.82145	0.89804	-6.24	29775
IGHMBP2	-0.08543	0.085425	2.4615	-0.22973	0.82169	0.8982	-6.24	3508
AREL1	0.10198	0.10198	4.7031	0.22966	0.82174	0.8982	-6.24	9870
CYB561	-0.39236	0.39236	10.186	-0.22966	0.82175	0.8982	-6.2401	1534
GZF1	0.036741	0.036741	1.5067	0.22956	0.82182	0.89822	-6.2401	64412
PLEKHA3	0.11765	0.11765	2.1902	0.22934	0.82199	0.89825	-6.2401	65977
ZNF503-AS2	0.050452	0.050452	0.74988	0.22933	0.822	0.89825	-6.2401	1E+08
LOC339803	0.056921	0.056921	0.63424	0.22913	0.82215	0.89825	-6.2402	339803
TOB2	0.5427	0.5427	11.478	0.22905	0.82221	0.89825	-6.2402	10766
CLASP2	-0.10325	0.10325	4.2221	-0.22904	0.82222	0.89825	-6.2402	23122
LINC00294	-0.04698	0.046975	2.1422	-0.22897	0.82227	0.89825	-6.2402	283267
LRRC28	-0.0358	0.035799	1.2465	-0.22897	0.82227	0.89825	-6.2402	123355
TRMT1L	0.064098	0.064098	1.3228	0.22897	0.82227	0.89825	-6.2402	81627
U2AF1	0.61556	0.61556	14.164	0.22883	0.82237	0.8983	-6.2402	7307
MAP3K10	-0.15538	0.15538	2.3887	-0.22861	0.82255	0.89843	-6.2403	4294
RBPJ	-0.18987	0.18987	5.1075	-0.2285	0.82263	0.89843	-6.2403	3516
QPRT	0.093216	0.093216	0.89758	0.22847	0.82265	0.89843	-6.2403	23475
TMEM128	0.1519	0.1519	2.6002	0.2284	0.8227	0.89843	-6.2403	85013

COX4I2	0.10572	0.10572	1.1441	0.22816	0.82289	0.89854	-6.2404	84701
ZNF699	0.036169	0.036169	0.92967	0.22808	0.82295	0.89854	-6.2404	374879
RPL10A	21.85	21.85	390.66	0.22806	0.82296	0.89854	-6.2404	4736
METTL15	-0.04553	0.045533	1.5916	-0.22777	0.82318	0.89867	-6.2405	196074
TM2D1	-0.12256	0.12256	2.8296	-0.22771	0.82323	0.89867	-6.2405	83941
PIR	0.097894	0.097894	1.9592	0.22769	0.82325	0.89867	-6.2405	8544
GLDC	0.11969	0.11969	0.81059	0.2276	0.82331	0.89868	-6.2405	2731
LINC01909	0.021463	0.021463	0.22732	0.22744	0.82343	0.89872	-6.2406	1.02E+08
SERPINE2	1.9418	1.9418	10.797	0.22742	0.82345	0.89872	-6.2406	5270
MOAP1	-0.10824	0.10824	3.5526	-0.22735	0.8235	0.89872	-6.2406	64112
CST7	0.12185	0.12185	1.3944	0.22706	0.82373	0.89885	-6.2407	8530
BHLHE40-AS1	0.020646	0.020646	0.28693	0.22706	0.82373	0.89885	-6.2407	1.01E+08
TOR2A	-0.08276	0.082761	1.7518	-0.22687	0.82387	0.89895	-6.2407	27433
MNT	0.20389	0.20389	5.4749	0.2268	0.82392	0.89895	-6.2407	4335
NOVA2	0.072245	0.072245	0.86533	0.22673	0.82398	0.89895	-6.2407	4858
ATP6V1C2	-1.0297	1.0297	10.079	-0.22652	0.82414	0.899	-6.2408	245973
TNFSF13	-0.18093	0.18093	2.2839	-0.22643	0.82421	0.899	-6.2408	8741
C5orf66	-0.06114	0.061136	1.5988	-0.22642	0.82421	0.899	-6.2408	1.01E+08
RBM23	-0.17708	0.17708	6.4295	-0.22637	0.82425	0.899	-6.2408	55147
ELK2AP	0.15008	0.15008	0.93843	0.22632	0.82429	0.899	-6.2408	2003
NUP93	-0.18028	0.18028	3.7473	-0.22595	0.82457	0.8992	-6.2409	9688
LOC100996351	0.021627	0.021627	0.23953	0.22594	0.82458	0.8992	-6.2409	1.01E+08
PDGFRB	-2.3665	2.3665	24.932	-0.22583	0.82467	0.89923	-6.2409	5159
RNF187	0.89953	0.89953	18.55	0.2257	0.82476	0.89928	-6.241	149603
CD37	-0.17854	0.17854	2.8633	-0.22536	0.82503	0.89951	-6.2411	951
ZNF366	-0.06121	0.061211	0.94576	-0.22497	0.82532	0.89977	-6.2411	167465

DAP	0.67556	0.67556	11.979	0.22487	0.8254	0.8998	-6.2412	1611
RYK	0.25924	0.25924	7.2341	0.2248	0.82545	0.8998	-6.2412	6259
RMND5A	0.68584	0.68584	9.3199	0.22468	0.82554	0.89983	-6.2412	64795
BRD7	0.39676	0.39676	11.078	0.22457	0.82563	0.89983	-6.2412	29117
LPIN3	-0.63956	0.63956	8.5326	-0.2245	0.82568	0.89983	-6.2413	64900
PRKCA	0.081983	0.081983	1.6596	0.22448	0.82569	0.89983	-6.2413	5578
CYB561D2	0.077665	0.077665	1.7146	0.22423	0.82589	0.89998	-6.2413	11068
PRSS27	1.0495	1.0495	6.8811	0.22414	0.82595	0.89998	-6.2413	83886
IDH3G	0.2926	0.2926	9.2348	0.2241	0.82599	0.89998	-6.2414	3421
ARHGAP15	0.070257	0.070257	1.0249	0.22352	0.82642	0.9002	-6.2415	55843
IL12RB2	0.064942	0.064942	1.1594	0.22348	0.82645	0.9002	-6.2415	3595
SENP1	0.061322	0.061322	2.2246	0.22338	0.82653	0.9002	-6.2415	29843
ARL6IP5	-0.63957	0.63957	11.585	-0.22334	0.82656	0.9002	-6.2415	10550
ANKRD39	-0.14232	0.14232	3.1026	-0.22326	0.82663	0.9002	-6.2415	51239
C8orf48	0.027295	0.027295	0.28249	0.22326	0.82663	0.9002	-6.2415	157773
VOPP1	0.36208	0.36208	5.5539	0.22324	0.82664	0.9002	-6.2415	81552
MRPL11	0.31797	0.31797	5.1474	0.22319	0.82668	0.9002	-6.2416	65003
FBXO42	-0.18545	0.18545	5.0251	-0.22317	0.82669	0.9002	-6.2416	54455
MCTS1	0.044312	0.044312	1.2759	0.22313	0.82673	0.9002	-6.2416	28985
A4GALT	-0.29917	0.29917	4.1946	-0.22288	0.82691	0.90035	-6.2416	53947
POLR3K	0.19773	0.19773	3.0132	0.22278	0.82699	0.90037	-6.2417	51728
TFAM	-0.08589	0.085889	1.8902	-0.22246	0.82723	0.90058	-6.2417	7019
FARS2	0.10182	0.10182	2.9686	0.22234	0.82732	0.90062	-6.2418	10667
NUDT9	0.11317	0.11317	2.5922	0.22209	0.82751	0.90077	-6.2418	53343
ITGA10	0.038039	0.038039	0.45791	0.2218	0.82774	0.90095	-6.2419	8515
OTUD5	-0.29745	0.29745	8.0012	-0.22174	0.82779	0.90095	-6.2419	55593

CNOT3	0.26317	0.26317	7.3541	0.2211	0.82827	0.90142	-6.242	4849
DTX1	0.042534	0.042534	0.92965	0.22089	0.82843	0.90153	-6.2421	1840
ESCO1	0.08449	0.08449	2.0284	0.22082	0.82849	0.90154	-6.2421	114799
TRABD	-0.41841	0.41841	8.2853	-0.22074	0.82854	0.90154	-6.2421	80305
U2AF1L5	0.13593	0.13593	3.2349	0.22023	0.82893	0.90185	-6.2422	1.03E+08
HDAC9	-0.02256	0.022557	0.29638	-0.22023	0.82894	0.90185	-6.2422	9734
CMC4	0.18268	0.18268	2.7629	0.22007	0.82906	0.90189	-6.2423	1E+08
FRMD8	0.55933	0.55933	10.249	0.22004	0.82908	0.90189	-6.2423	83786
EIF1AX-AS1	0.031323	0.031323	0.39741	0.21997	0.82914	0.90189	-6.2423	1.01E+08
SNHG17	-0.17709	0.17709	3.3386	-0.21983	0.82924	0.90195	-6.2423	388796
PLXND1	-0.87335	0.87335	11.224	-0.21954	0.82946	0.90214	-6.2424	23129
AKR7A2P1	0.046129	0.046129	0.48506	0.21937	0.82959	0.90219	-6.2424	246182
WDR18	-0.39289	0.39289	6.6781	-0.21929	0.82965	0.90219	-6.2425	57418
GNAL	-0.12707	0.12707	3.4625	-0.21925	0.82968	0.90219	-6.2425	2774
LAPTM4B	0.75529	0.75529	15.044	0.2192	0.82972	0.90219	-6.2425	55353
EPC2	-0.11409	0.11409	3.7704	-0.21899	0.82988	0.90225	-6.2425	26122
MMP15	0.10773	0.10773	2.0722	0.21882	0.83001	0.90225	-6.2426	4324
ATG16L1	-0.07104	0.071037	3.8713	-0.21872	0.83009	0.90225	-6.2426	55054
RBMX2	0.10558	0.10558	3.1427	0.21871	0.8301	0.90225	-6.2426	51634
PHB	0.76265	0.76265	13.869	0.21866	0.83013	0.90225	-6.2426	5245
SFMBT2	-0.05919	0.059192	0.88309	-0.21864	0.83015	0.90225	-6.2426	57713
ELF4	0.19376	0.19376	4.5701	0.21863	0.83016	0.90225	-6.2426	2000
LOC103171574	0.035946	0.035946	0.39577	0.21839	0.83034	0.90226	-6.2427	1.03E+08
MRPL4	-0.3082	0.3082	6.6677	-0.21831	0.8304	0.90226	-6.2427	51073
GPR108	0.30642	0.30642	7.8902	0.21823	0.83046	0.90226	-6.2427	56927
EMILIN1	-0.95006	0.95006	7.7348	-0.21822	0.83047	0.90226	-6.2427	11117

GTF2F1	-0.44653	0.44653	9.2581	-0.21821	0.83048	0.90226	-6.2427	2962
FTH1	47.206	47.206	410.43	0.21818	0.8305	0.90226	-6.2427	2495
VENTX	-0.05364	0.053636	0.42619	-0.21806	0.83059	0.90226	-6.2427	27287
REM1	0.073096	0.073096	0.90135	0.21806	0.83059	0.90226	-6.2427	28954
TADA3	0.41124	0.41124	7.8556	0.2179	0.83071	0.90233	-6.2428	10474
GUF1	-0.12878	0.12878	3.5689	-0.21777	0.83082	0.90239	-6.2428	60558
SEMA4B	-1.7014	1.7014	25.902	-0.21763	0.83092	0.90244	-6.2428	10509
EXOSC9	0.17736	0.17736	3.5225	0.21742	0.83108	0.90256	-6.2429	5393
FAM102A	-0.51579	0.51579	14.317	-0.21692	0.83146	0.90291	-6.243	399665
TMEM41A	0.10079	0.10079	4.1139	0.21685	0.83152	0.90291	-6.243	90407
SGMS1	-0.22154	0.22154	7.1511	-0.21652	0.83177	0.90312	-6.2431	259230
SH3RF3	-0.09749	0.097485	1.7901	-0.21646	0.83182	0.90312	-6.2431	344558
AP3D1	0.63499	0.63499	13.315	0.21632	0.83192	0.90318	-6.2431	8943
STX18	0.10199	0.10199	3.333	0.21621	0.83201	0.90322	-6.2431	53407
MBLAC1	-0.05027	0.05027	0.70674	-0.21591	0.83224	0.90333	-6.2432	255374
POT1	-0.05272	0.052722	1.2368	-0.21589	0.83225	0.90333	-6.2432	25913
HSD11B1L	0.048522	0.048522	0.98554	0.21586	0.83227	0.90333	-6.2432	374875
SAMD14	-0.03952	0.039522	0.56286	-0.21547	0.83257	0.90359	-6.2433	201191
RPL36	-10.651	10.651	219.19	-0.21536	0.83266	0.90363	-6.2433	25873
SLC22A4	0.044753	0.044753	0.70172	0.21516	0.83281	0.90374	-6.2434	6583
GNE	0.058921	0.058921	1.7359	0.21487	0.83303	0.9038	-6.2434	10020
NLGN4Y	0.04652	0.04652	0.77004	0.21482	0.83307	0.9038	-6.2434	22829
C21orf91	-0.10701	0.10701	2.8045	-0.21479	0.83309	0.9038	-6.2435	54149
COQ3	0.068869	0.068869	1.6655	0.21479	0.83309	0.9038	-6.2435	51805
LOC101929595	0.020419	0.020419	0.2801	0.21472	0.83314	0.9038	-6.2435	1.02E+08
CCNG1	-0.15708	0.15708	3.2762	-0.21447	0.83333	0.90383	-6.2435	900

SSH3	-0.36449	0.36449	9.021	-0.21446	0.83334	0.90383	-6.2435	54961
GOLM1	0.28116	0.28116	4.0986	0.21443	0.83337	0.90383	-6.2435	51280
UNC50	0.19434	0.19434	5.7561	0.21441	0.83338	0.90383	-6.2435	25972
CHEK2	-0.07274	0.072743	1.1614	-0.21382	0.83383	0.90426	-6.2437	11200
MED20	0.097258	0.097258	2.5259	0.21364	0.83397	0.90431	-6.2437	9477
SLC25A30	0.070239	0.070239	2.3124	0.21363	0.83398	0.90431	-6.2437	253512
LILRB5	-0.18714	0.18714	2.173	-0.21345	0.83412	0.9044	-6.2438	10990
RANBP17	-0.01965	0.019645	0.21042	-0.21329	0.83424	0.90442	-6.2438	64901
BRD3OS	-0.06266	0.062664	1.2303	-0.21328	0.83425	0.90442	-6.2438	266655
SEMA5A-AS1	-0.02773	0.027727	0.30827	-0.21316	0.83434	0.90446	-6.2438	1.02E+08
ZC3H7A	-0.13748	0.13748	4.0732	-0.21298	0.83447	0.90452	-6.2439	29066
M6PR	0.58023	0.58023	13.46	0.21288	0.83455	0.90452	-6.2439	4074
KRT33B	-0.03773	0.037734	0.17006	-0.21288	0.83455	0.90452	-6.2439	3884
KIRREL1	0.38308	0.38308	6.2553	0.21267	0.83471	0.90464	-6.2439	55243
CDC42EP3	0.15752	0.15752	3.0462	0.21237	0.83494	0.90479	-6.244	10602
TRAM2	-0.25111	0.25111	4.3345	-0.21234	0.83496	0.90479	-6.244	9697
CBX2	0.10026	0.10026	1.6098	0.21226	0.83502	0.9048	-6.244	84733
LOC101929340	-0.02904	0.029039	0.33944	-0.21138	0.83569	0.90545	-6.2442	1.02E+08
ATP6V1FNB	-0.02195	0.021952	0.39741	-0.21133	0.83573	0.90545	-6.2442	1E+08
CDIPT	-0.68278	0.68278	15.349	-0.21094	0.83603	0.90572	-6.2443	10423
CYB5D2	-0.13483	0.13483	3.1632	-0.2105	0.83638	0.90603	-6.2444	124936
SMARCD1	-0.3871	0.3871	8.019	-0.21038	0.83646	0.90607	-6.2444	6602
PSME1	-1.0805	1.0805	22.516	-0.21025	0.83656	0.90612	-6.2445	5720
LYSMD1	-0.04413	0.044129	1.5434	-0.21014	0.83664	0.90615	-6.2445	388695
ZFYVE1	0.10773	0.10773	3.8686	0.20992	0.83681	0.90628	-6.2445	53349
TANC2	0.17503	0.17503	4.7655	0.20959	0.83707	0.90649	-6.2446	26115

MMP2	15.91	15.91	151	0.20939	0.83722	0.9066	-6.2446	4313
SFXN4	-0.12636	0.12636	2.8792	-0.20879	0.83768	0.90704	-6.2448	119559
MAD2L2	-0.33289	0.33289	4.3213	-0.20846	0.83794	0.90721	-6.2448	10459
ROBO3	0.037414	0.037414	0.55219	0.20845	0.83794	0.90721	-6.2448	64221
HK3	-0.07496	0.074958	0.61574	-0.20826	0.83808	0.9073	-6.2449	3101
HTR2B	-0.03474	0.034735	0.67903	-0.20816	0.83816	0.90733	-6.2449	3357
MTO1	0.0847	0.0847	2.907	0.20802	0.83827	0.90733	-6.2449	25821
HLA-DRB5	0.49661	0.49661	4.3216	0.20792	0.83835	0.90733	-6.245	3127
OCIAD1-AS1	0.026666	0.026666	0.27664	0.20787	0.83838	0.90733	-6.245	1.01E+08
PRR19	-0.02008	0.020077	0.18453	-0.20778	0.83845	0.90733	-6.245	284338
IL6R	0.13259	0.13259	3.4772	0.20775	0.83848	0.90733	-6.245	3570
RASA4CP	-0.15675	0.15675	2.3295	-0.20774	0.83849	0.90733	-6.245	401331
MED25	0.27279	0.27279	6.6757	0.20734	0.83879	0.9076	-6.2451	81857
DDX11L1	-0.01824	0.018237	0.12962	-0.20728	0.83884	0.9076	-6.2451	1E+08
RARG	1.0728	1.0728	23.973	0.20713	0.83895	0.90766	-6.2451	5916
GLUD1	0.59792	0.59792	20.17	0.20706	0.839	0.90766	-6.2451	2746
PAPLN	-0.27506	0.27506	4.1581	-0.2069	0.83913	0.90773	-6.2452	89932
ALKBH6	-0.10529	0.10529	2.4654	-0.20664	0.83932	0.90789	-6.2452	84964
SCN1B	0.091819	0.091819	0.72912	0.20651	0.83943	0.90794	-6.2453	6324
ADGRA2	-0.41898	0.41898	7.4622	-0.20627	0.83961	0.90808	-6.2453	25960
HNRNPH1	0.54066	0.54066	22.408	0.20591	0.83989	0.90826	-6.2454	3187
POLR2M	-0.09616	0.096155	2.0487	-0.20587	0.83991	0.90826	-6.2454	81488
LOC105371849	-0.01955	0.019549	0.1925	-0.20584	0.83994	0.90826	-6.2454	1.05E+08
CTIF	-0.15374	0.15374	3.8906	-0.20569	0.84006	0.90831	-6.2454	9811
LGALS7B	-48.348	48.348	567.72	-0.20564	0.84009	0.90831	-6.2454	653499
LPCAT1	0.38826	0.38826	5.4788	0.20552	0.84018	0.90831	-6.2455	79888

MVD	0.65622	0.65622	10.883	0.2055	0.8402	0.90831	-6.2455	4597
COX11	-0.07367	0.073673	2.513	-0.20502	0.84057	0.90865	-6.2456	1353
MAZ	-1.0447	1.0447	21.034	-0.2048	0.84074	0.90878	-6.2456	4150
MRFAP1L1	0.30767	0.30767	9.4715	0.20462	0.84088	0.90887	-6.2457	114932
ESPL1	-0.03736	0.03736	0.86239	-0.20397	0.84137	0.90934	-6.2458	9700
FXR1	0.10422	0.10422	3.2111	0.20332	0.84187	0.90979	-6.2459	8087
AFAP1	0.16386	0.16386	2.8277	0.20327	0.84191	0.90979	-6.2459	60312
RPL38	11.047	11.047	243.41	0.20323	0.84194	0.90979	-6.246	6169
DNAJC13	-0.17538	0.17538	5.0504	-0.20302	0.8421	0.9099	-6.246	23317
AOAH	0.11551	0.11551	1.2811	0.20286	0.84222	0.90992	-6.246	313
DUSP16	-0.14585	0.14585	4.7261	-0.20286	0.84222	0.90992	-6.246	80824
CDC25B	0.96689	0.96689	11.176	0.20271	0.84234	0.90998	-6.2461	994
ARHGAP22	0.033655	0.033655	0.46244	0.20249	0.8425	0.91005	-6.2461	58504
CCDC25	-0.15809	0.15809	3.8143	-0.20249	0.84251	0.91005	-6.2461	55246
WDR76	-0.06543	0.065433	1.2355	-0.20239	0.84258	0.91005	-6.2461	79968
SLC25A1	0.59858	0.59858	12.988	0.20214	0.84277	0.91005	-6.2462	6576
PITPNM2	-0.09646	0.096457	2.1114	-0.20213	0.84279	0.91005	-6.2462	57605
ANXA11	-0.84234	0.84234	16.767	-0.20212	0.84279	0.91005	-6.2462	311
ANTXR1	0.74673	0.74673	16.666	0.20206	0.84283	0.91005	-6.2462	84168
PNPO	-0.19021	0.19021	5.0798	-0.20202	0.84287	0.91005	-6.2462	55163
EP300-AS1	0.065489	0.065489	1.24	0.20199	0.84289	0.91005	-6.2462	1.02E+08
ZNF226	-0.06286	0.062855	1.5125	-0.2018	0.84303	0.91015	-6.2462	7769
DRG2	-0.17511	0.17511	5.4757	-0.20173	0.84309	0.91015	-6.2463	1819
ARMC8	0.059132	0.059132	2.7055	0.20158	0.8432	0.91021	-6.2463	25852
BANF1	-0.91934	0.91934	18.412	-0.20124	0.84346	0.91044	-6.2464	8815
EXOSC3	0.13047	0.13047	3.8287	0.20115	0.84353	0.91046	-6.2464	51010

RCC1	0.28899	0.28899	4.3453	0.20104	0.84362	0.91049	-6.2464	1104
PIK3AP1	0.13814	0.13814	1.5755	0.20073	0.84385	0.91063	-6.2465	118788
CHTOP	-0.22532	0.22532	8.6398	-0.20072	0.84386	0.91063	-6.2465	26097
HMG20B	0.66757	0.66757	15.386	0.20066	0.84391	0.91063	-6.2465	10362
COL18A1-AS1	-0.08891	0.088905	0.81791	-0.20052	0.84402	0.91065	-6.2465	378832
LLGL1	-0.20251	0.20251	4.8627	-0.20049	0.84404	0.91065	-6.2465	3996
ZNF521	0.21335	0.21335	3.7623	0.20016	0.84429	0.91087	-6.2466	25925
LINC00339	0.098661	0.098661	1.3966	0.20009	0.84435	0.91087	-6.2466	29092
P2RY2	0.22865	0.22865	3.5311	0.20001	0.84441	0.91088	-6.2466	5029
UBQLN4	-0.29671	0.29671	7.8197	-0.19994	0.84446	0.91088	-6.2466	56893
PTBP1	1.2565	1.2565	33.299	0.19958	0.84473	0.91111	-6.2467	5725
AGPAT3	0.25647	0.25647	7.1482	0.19946	0.84483	0.91115	-6.2467	56894
C3orf14	-0.03951	0.039511	0.68126	-0.19931	0.84494	0.91122	-6.2468	57415
SYPL2	-0.02102	0.021015	0.15879	-0.19903	0.84516	0.91139	-6.2468	284612
PMPCA	-0.2396	0.2396	6.6293	-0.19876	0.84537	0.91156	-6.2469	23203
DCHS1	0.26435	0.26435	3.4454	0.19869	0.84542	0.91156	-6.2469	8642
ZNF223	-0.03143	0.031434	0.76504	-0.19856	0.84552	0.9116	-6.2469	7766
TIPARP-AS1	0.043362	0.043362	0.8277	0.1985	0.84556	0.9116	-6.2469	1E+08
EFCAB3	0.016258	0.016258	0.16442	0.19806	0.8459	0.9119	-6.247	146779
CD99	0.62183	0.62183	11.673	0.19757	0.84628	0.91226	-6.2471	4267
FLYWCH2	0.28454	0.28454	5.5054	0.19745	0.84637	0.91228	-6.2471	114984
WDR55	0.14859	0.14859	4.8636	0.1974	0.84641	0.91228	-6.2472	54853
RNF227	-1.0122	1.0122	8.0377	-0.19725	0.84653	0.91235	-6.2472	284023
LOC101927884	0.016622	0.016622	0.15945	0.19682	0.84685	0.91264	-6.2473	1.02E+08
CHST14	0.16833	0.16833	2.8162	0.19654	0.84707	0.91281	-6.2473	113189
CASP17P	0.055302	0.055302	0.75214	0.1963	0.84726	0.91296	-6.2474	643733

HOXB13	-0.03139	0.031389	0.19898	-0.19598	0.8475	0.91316	-6.2474	10481
ABCA13	-0.02128	0.021283	0.17718	-0.19577	0.84766	0.91328	-6.2475	154664
CEBPD	2.0043	2.0043	31.617	0.1955	0.84787	0.91344	-6.2475	1052
HNRNPF	0.92036	0.92036	23.035	0.19524	0.84807	0.91356	-6.2476	3185
CYB5A	0.514	0.514	11.709	0.19521	0.84809	0.91356	-6.2476	1528
ZSWIM3	0.029192	0.029192	0.52231	0.19472	0.84847	0.91387	-6.2477	140831
RPA1	-0.3298	0.3298	8.933	-0.19465	0.84852	0.91387	-6.2477	6117
GPR160	0.039948	0.039948	0.55246	0.1946	0.84856	0.91387	-6.2477	26996
TRADD	0.43845	0.43845	7.2797	0.19437	0.84873	0.91387	-6.2478	8717
OTUD6B	0.033409	0.033409	1.8148	0.19436	0.84875	0.91387	-6.2478	51633
UBE2I	0.28951	0.28951	8.9119	0.19429	0.8488	0.91387	-6.2478	7329
PNPT1	-0.10058	0.10058	2.5796	-0.19426	0.84882	0.91387	-6.2478	87178
RAB11FIP2	-0.06152	0.061522	1.8768	-0.19424	0.84884	0.91387	-6.2478	22841
POLK	-0.05073	0.050729	1.3084	-0.19421	0.84886	0.91387	-6.2478	51426
GPATCH4	-0.11296	0.11296	2.9149	-0.19407	0.84897	0.91393	-6.2478	54865
TSEN54	-0.177	0.177	4.1675	-0.19376	0.8492	0.91405	-6.2479	283989
ZNF765	-0.03239	0.032387	1.0726	-0.19374	0.84922	0.91405	-6.2479	91661
G0S2	1.1441	1.1441	9.1164	0.19371	0.84924	0.91405	-6.2479	50486
C6orf15	-0.04087	0.040867	0.42401	-0.19342	0.84947	0.91423	-6.248	29113
USP32P2	0.041617	0.041617	0.54628	0.19331	0.84955	0.91426	-6.248	220594
CLIC2	-0.1225	0.1225	1.9882	-0.19322	0.84961	0.91427	-6.248	1193
FCER1G	1.4774	1.4774	14.36	0.19311	0.84971	0.91431	-6.248	2207
PPP1R18	0.074967	0.074967	1.4093	0.19281	0.84994	0.9145	-6.2481	170954
NCBP2	0.22613	0.22613	6.1117	0.19274	0.84999	0.9145	-6.2481	22916
IVD	-0.0588	0.058797	1.2272	-0.19236	0.85028	0.91468	-6.2482	3712
EIF3B	1.1619	1.1619	28.701	0.19226	0.85035	0.91468	-6.2482	8662

RIC8B	0.031606	0.031606	0.81035	0.19225	0.85036	0.91468	-6.2482	55188
EML2-AS1	0.016563	0.016563	0.16103	0.19224	0.85037	0.91468	-6.2482	1E+08
ACVRL1	-0.27423	0.27423	4.6468	-0.19168	0.8508	0.91508	-6.2483	94
NDUFS3	0.67049	0.67049	15.276	0.19155	0.8509	0.91513	-6.2483	4722
FCGR1B	0.023683	0.023683	0.21748	0.19126	0.85112	0.91531	-6.2484	2210
CSTF2	0.10314	0.10314	2.5485	0.19087	0.85143	0.91556	-6.2485	1478
VEZF1	-0.15236	0.15236	4.1536	-0.19082	0.85146	0.91556	-6.2485	7716
ACAD11	0.16981	0.16981	3.3762	0.19045	0.85174	0.91581	-6.2485	84129
TBXA2R	0.060571	0.060571	0.65337	0.19035	0.85182	0.91583	-6.2486	6915
STXBP4	-0.03102	0.031021	0.80707	-0.18981	0.85224	0.91622	-6.2487	252983
PLPP6	0.090844	0.090844	2.4231	0.18958	0.85241	0.91631	-6.2487	403313
RABEP1	0.15123	0.15123	4.4124	0.18956	0.85243	0.91631	-6.2487	9135
BACE1	0.20795	0.20795	5.6471	0.18949	0.85249	0.91631	-6.2487	23621
AVPR1A	0.049205	0.049205	0.61278	0.18883	0.85299	0.9168	-6.2489	552
WAPL	-0.1711	0.1711	6.9774	-0.18872	0.85308	0.91683	-6.2489	23063
TMTC1	0.12218	0.12218	1.8183	0.18858	0.85318	0.91688	-6.2489	83857
MCM4	-0.34658	0.34658	8.5694	-0.18838	0.85333	0.91691	-6.2489	4173
TARBP2	0.095919	0.095919	2.5645	0.18837	0.85335	0.91691	-6.249	6895
NPTXR	0.032654	0.032654	0.45234	0.18835	0.85336	0.91691	-6.249	23467
RPS14	19.047	19.047	408.1	0.18817	0.8535	0.91698	-6.249	6208
ALG11	-0.05038	0.050383	1.6577	-0.18811	0.85354	0.91698	-6.249	440138
SAC3D1	0.14611	0.14611	2.3333	0.18802	0.85361	0.917	-6.249	29901
CDC16	0.25411	0.25411	8.3698	0.1879	0.85371	0.91704	-6.249	8881
PROB1	0.098916	0.098916	1.4464	0.18774	0.85383	0.91708	-6.2491	389333
EBAG9	-0.06253	0.062534	1.7535	-0.18763	0.85391	0.91708	-6.2491	9166
RUNX1-IT1	0.075903	0.075903	0.63988	0.18759	0.85394	0.91708	-6.2491	80215

FNDC3A	0.20482	0.20482	4.6328	0.18757	0.85396	0.91708	-6.2491	22862
DHRX	0.038413	0.038413	1.0734	0.18731	0.85416	0.91723	-6.2492	207063
SPRR2B	-8.8473	8.8473	60.105	-0.18725	0.85421	0.91723	-6.2492	6701
NTNG2	0.019217	0.019217	0.17753	0.18701	0.85439	0.91735	-6.2492	84628
U2AF2	-0.66682	0.66682	16.236	-0.18696	0.85443	0.91735	-6.2492	11338
RIN2	-0.65584	0.65584	15.398	-0.1867	0.85463	0.91748	-6.2493	54453
DNAJC25-GNG10	0.0707	0.0707	0.67463	0.18666	0.85466	0.91748	-6.2493	552891
LTB	-0.01441	0.014407	0.14266	-0.18658	0.85472	0.91749	-6.2493	4050
TMEM199	0.076011	0.076011	2.9481	0.1865	0.85478	0.91749	-6.2493	147007
MTMR11	0.10261	0.10261	2.5455	0.18643	0.85483	0.91749	-6.2493	10903
DEF8	0.1731	0.1731	5.0879	0.18612	0.85508	0.9177	-6.2494	54849
TPST1	0.17054	0.17054	4.1128	0.18603	0.85515	0.91771	-6.2494	8460
CH17-340M24.3	-0.04567	0.045672	0.51747	-0.18557	0.8555	0.91803	-6.2495	158960
CEMIP	-2.6434	2.6434	17.14	-0.18545	0.85559	0.91807	-6.2495	57214
MMRN1	0.35259	0.35259	5.0262	0.18535	0.85567	0.91809	-6.2495	22915
METTL26	-0.30229	0.30229	7.0359	-0.18529	0.85571	0.91809	-6.2495	84326
LOC100499194	0.022753	0.022753	0.39117	0.18508	0.85587	0.9182	-6.2496	1E+08
MIS18A	-0.06137	0.061372	1.619	-0.18501	0.85593	0.9182	-6.2496	54069
ARHGEF1	-0.50607	0.50607	10.799	-0.18479	0.8561	0.91832	-6.2496	9138
SESTD1	-0.07264	0.072635	1.6152	-0.18472	0.85615	0.91832	-6.2497	91404
NR1H2	0.50795	0.50795	13.574	0.18465	0.8562	0.91832	-6.2497	7376
DAP3	-0.27693	0.27693	11.015	-0.18429	0.85648	0.91853	-6.2497	7818
RNF144A-AS1	0.022619	0.022619	0.49833	0.18426	0.85651	0.91853	-6.2497	386597
PRH1-TAS2R14	0.016733	0.016733	0.19299	0.18383	0.85684	0.91879	-6.2498	1.07E+08
LOC100505555	0.017833	0.017833	0.24445	0.18375	0.8569	0.91879	-6.2498	1.01E+08
C2CD4B	0.03798	0.03798	0.67177	0.18367	0.85696	0.91879	-6.2499	388125

ATP10B	0.27783	0.27783	3.0345	0.18366	0.85697	0.91879	-6.2499	23120
LOC101927023	-0.02045	0.020446	0.23899	-0.18352	0.85707	0.9188	-6.2499	1.02E+08
DDR2	0.3585	0.3585	5.5995	0.18341	0.85716	0.9188	-6.2499	4921
GLRX5	0.24102	0.24102	6.6893	0.18326	0.85728	0.9188	-6.2499	51218
RPAIN	-0.05968	0.059677	2.9207	-0.18323	0.8573	0.9188	-6.2499	84268
GZMB	0.056919	0.056919	0.58232	0.18317	0.85734	0.9188	-6.2499	3002
GAR1	-0.09895	0.098951	2.6752	-0.18307	0.85742	0.9188	-6.25	54433
MRPL40	-0.14763	0.14763	3.2053	-0.18305	0.85743	0.9188	-6.25	64976
PDLIM2	0.27254	0.27254	5.3017	0.18293	0.85753	0.9188	-6.25	64236
SCARF2	-0.44682	0.44682	4.575	-0.18292	0.85754	0.9188	-6.25	91179
ATG4D	0.31906	0.31906	7.3242	0.18291	0.85754	0.9188	-6.25	84971
SCAND1	0.3421	0.3421	8.0087	0.18287	0.85757	0.9188	-6.25	51282
IREB2	0.13153	0.13153	4.6881	0.18275	0.85767	0.91884	-6.25	3658
SYF2	-0.22807	0.22807	5.869	-0.18263	0.85776	0.91888	-6.2501	25949
CLEC1A	-0.0369	0.036895	0.69992	-0.18242	0.85792	0.91897	-6.2501	51267
PYCR3	-0.05807	0.058072	1.2868	-0.18225	0.85806	0.91897	-6.2501	65263
RPL17-C18orf32	-0.06171	0.061705	1.2084	-0.18209	0.85817	0.91897	-6.2502	1.01E+08
IRAK4	-0.04535	0.045346	2.2849	-0.18204	0.85821	0.91897	-6.2502	51135
CASP6	0.088276	0.088276	2.0738	0.18203	0.85822	0.91897	-6.2502	839
NCF4	0.17636	0.17636	2.3834	0.18198	0.85826	0.91897	-6.2502	4689
PREX2	-0.06861	0.068614	1.4959	-0.18197	0.85827	0.91897	-6.2502	80243
GOLGA3	-0.26878	0.26878	9.5252	-0.18195	0.85828	0.91897	-6.2502	2802
UBR5	-0.14532	0.14532	10.026	-0.18181	0.85839	0.91903	-6.2502	51366
SP3	0.23065	0.23065	8.0619	0.18147	0.85866	0.91926	-6.2503	6670
TNFAIP8L2	0.060414	0.060414	1.1389	0.18117	0.85889	0.91945	-6.2503	79626
SEMA5B	0.023303	0.023303	0.28186	0.18033	0.85953	0.92006	-6.2505	54437

FGD2	-0.09977	0.099771	2.6143	-0.18028	0.85957	0.92006	-6.2505	221472
RXYLT1	0.076046	0.076046	2.2296	0.17972	0.86	0.92045	-6.2506	10329
SMCHD1	0.11409	0.11409	4.3446	0.17963	0.86007	0.92045	-6.2506	23347
YEATS2	0.096706	0.096706	4.1256	0.17959	0.8601	0.92045	-6.2506	55689
HMGB2	0.60277	0.60277	8.95	0.1794	0.86024	0.92049	-6.2507	3148
SCARNA22	-0.06167	0.061672	0.92818	-0.17937	0.86027	0.92049	-6.2507	677770
ZNF385D-AS1	0.016072	0.016072	0.11276	0.17933	0.8603	0.92049	-6.2507	1.01E+08
CSNK2A3	0.015221	0.015221	0.22411	0.17913	0.86046	0.9206	-6.2507	283106
TRIM6	0.036752	0.036752	0.5457	0.17899	0.86056	0.92061	-6.2507	117854
POU2F2	0.027258	0.027258	0.41274	0.17897	0.86057	0.92061	-6.2507	5452
LINC00618	-0.01705	0.017046	0.10429	-0.17887	0.86066	0.92064	-6.2508	145249
SHQ1	0.073472	0.073472	2.6636	0.17872	0.86077	0.92067	-6.2508	55164
ZNF32	0.1781	0.1781	4.0857	0.17863	0.86084	0.92067	-6.2508	7580
SATB2	0.03549	0.03549	0.66304	0.17862	0.86085	0.92067	-6.2508	23314
CAAP1	-0.03506	0.035056	1.6823	-0.17811	0.86124	0.92103	-6.2509	79886
MPP6	0.024574	0.024574	0.83287	0.17748	0.86173	0.92148	-6.251	51678
CCR4	-0.02524	0.025239	0.45862	-0.17736	0.86181	0.92148	-6.251	1233
PAQR7	0.39785	0.39785	7.1083	0.17735	0.86183	0.92148	-6.251	164091
LINC02017	-0.01284	0.012844	0.062419	-0.17727	0.86188	0.92149	-6.251	1.05E+08
NGDN	-0.11323	0.11323	4.1902	-0.17706	0.86205	0.92161	-6.2511	25983
PEX3	0.13004	0.13004	3.0956	0.17692	0.86216	0.92166	-6.2511	8504
SNORA80D	-0.0223	0.022299	0.17069	-0.17662	0.86239	0.9218	-6.2512	1.1E+08
PRR13	-0.80619	0.80619	18.421	-0.17658	0.86242	0.9218	-6.2512	54458
PPP1R35	-0.23299	0.23299	5.061	-0.17654	0.86245	0.9218	-6.2512	221908
OSBPL2	0.32236	0.32236	10.127	0.17634	0.86261	0.92191	-6.2512	9885
RFXANK	-0.19386	0.19386	5.2071	-0.17587	0.86297	0.92223	-6.2513	8625

PGRMC2	-0.30886	0.30886	8.1194	-0.17554	0.86322	0.92245	-6.2514	10424
ABC6	-0.18272	0.18272	3.7874	-0.17474	0.86384	0.92305	-6.2515	10058
LMF2	-0.46533	0.46533	10.672	-0.17456	0.86398	0.92314	-6.2515	91289
GCSH	-0.14408	0.14408	2.9897	-0.17434	0.86415	0.92326	-6.2516	2653
RHBDD3	-0.11047	0.11047	2.291	-0.17373	0.86462	0.92365	-6.2517	25807
ARMCX3	0.18296	0.18296	3.3981	0.17372	0.86462	0.92365	-6.2517	51566
ELAVL1	0.11722	0.11722	4.2906	0.17334	0.86491	0.92388	-6.2518	1994
TNFRSF13C	-0.08782	0.08782	0.88871	-0.1733	0.86495	0.92388	-6.2518	115650
GPC1	-0.82144	0.82144	21.4	-0.17311	0.86509	0.92398	-6.2518	2817
CD3D	0.052258	0.052258	0.9642	0.17288	0.86527	0.92411	-6.2518	915
RARRES1	-0.11513	0.11513	0.94671	-0.1724	0.86564	0.92435	-6.2519	5918
NDST1	0.59747	0.59747	19.769	0.17237	0.86566	0.92435	-6.2519	3340
CASKIN2	-0.17466	0.17466	4.7287	-0.17237	0.86566	0.92435	-6.2519	57513
METTL23	0.12177	0.12177	3.9019	0.1721	0.86587	0.92445	-6.252	124512
THAP4	-0.2375	0.2375	8.3604	-0.17208	0.86589	0.92445	-6.252	51078
NUDT14	-0.16876	0.16876	3.0919	-0.17204	0.86592	0.92445	-6.252	256281
HSD17B10	-0.87913	0.87913	23.584	-0.17183	0.86608	0.92456	-6.252	3028
USH1G	0.22208	0.22208	2.47	0.17177	0.86612	0.92456	-6.252	124590
ZC3HC1	-0.07843	0.078426	1.9144	-0.17168	0.86619	0.92457	-6.2521	51530
UPRT	-0.03331	0.033307	1.0751	-0.17162	0.86625	0.92457	-6.2521	139596
EPHB3	0.59127	0.59127	13.259	0.17147	0.86636	0.92463	-6.2521	2049
UBXN6	-0.7991	0.7991	23.183	-0.1711	0.86664	0.92488	-6.2522	80700
FHL5	-0.10451	0.10451	1.3546	-0.17081	0.86687	0.92506	-6.2522	9457
PPP3R1	0.22971	0.22971	11.822	0.17038	0.8672	0.92535	-6.2523	5534
IQSEC1	0.15512	0.15512	6.4166	0.17026	0.86729	0.92539	-6.2523	9922
RASAL3	-0.04667	0.046672	0.80219	-0.17009	0.86742	0.92547	-6.2523	64926

LOC286297	-0.01412	0.014124	0.14126	-0.17002	0.86748	0.92548	-6.2523	286297
C8orf88	0.072567	0.072567	1.4161	0.16983	0.86762	0.92552	-6.2524	1E+08
BOLA2	-0.02155	0.021548	0.35291	-0.16976	0.86768	0.92552	-6.2524	552900
TMEM160	-0.56184	0.56184	9.1947	-0.16975	0.86768	0.92552	-6.2524	54958
RSF1	-0.10821	0.10821	4.4037	-0.16945	0.86792	0.92568	-6.2524	51773
ADAMTS15	-0.08157	0.081566	0.97499	-0.16941	0.86794	0.92568	-6.2525	170689
KYAT3	-0.12066	0.12066	3.6736	-0.16915	0.86815	0.92584	-6.2525	56267
SNW1	-0.29136	0.29136	10.001	-0.16888	0.86836	0.92587	-6.2525	22938
RPL12	-18.07	18.07	455.1	-0.1688	0.86841	0.92587	-6.2526	6136
KIAA0100	0.31576	0.31576	16.438	0.1688	0.86842	0.92587	-6.2526	9703
BDP1	-0.08402	0.084023	4.3283	-0.16879	0.86843	0.92587	-6.2526	55814
ALKBH1	-0.02863	0.028632	1.2397	-0.16876	0.86845	0.92587	-6.2526	8846
ATP7B	-0.01725	0.017253	0.52761	-0.16868	0.86851	0.92587	-6.2526	540
TMEM240	0.016634	0.016634	0.26826	0.1686	0.86857	0.92588	-6.2526	339453
SLC4A2	-0.27304	0.27304	6.0977	-0.16819	0.86889	0.92615	-6.2527	6522
LOC728975	-0.02284	0.022841	0.51909	-0.16813	0.86894	0.92615	-6.2527	728975
SYK	0.15554	0.15554	5.5604	0.16792	0.8691	0.92625	-6.2527	6850
ACADM	0.125	0.125	2.9455	0.16786	0.86914	0.92625	-6.2527	34
DCUN1D5	0.032701	0.032701	1.3574	0.16767	0.86929	0.92636	-6.2528	84259
ZNF569	0.018059	0.018059	0.39347	0.16747	0.86944	0.92646	-6.2528	148266
PDGFRL	0.19688	0.19688	2.761	0.1673	0.86957	0.92654	-6.2528	5157
CEP70	-0.03294	0.032937	0.89015	-0.16711	0.86972	0.92657	-6.2529	80321
CLIP4	-0.17408	0.17408	5.5555	-0.16706	0.86976	0.92657	-6.2529	79745
FBXO9	-0.15821	0.15821	5.0506	-0.16705	0.86977	0.92657	-6.2529	26268
LRR61	-0.07509	0.075087	1.2789	-0.16656	0.87015	0.92675	-6.2529	65999
ABHD2	0.3182	0.3182	8.3005	0.16649	0.8702	0.92675	-6.253	11057

GAL	-0.13299	0.13299	0.83992	-0.16641	0.87026	0.92675	-6.253	51083
PRDX2	-1.9547	1.9547	50.134	-0.1664	0.87027	0.92675	-6.253	7001
EMILIN2	-0.22591	0.22591	3.9272	-0.1664	0.87027	0.92675	-6.253	84034
DNASE1L2	-0.52076	0.52076	4.2683	-0.16636	0.8703	0.92675	-6.253	1775
FLVCR1-DT	-0.01945	0.019453	0.22086	-0.16629	0.87035	0.92675	-6.253	642946
ELP4	-0.04578	0.045784	1.8447	-0.16621	0.87041	0.92675	-6.253	26610
DOHH	-0.12586	0.12586	2.4847	-0.16613	0.87048	0.92675	-6.253	83475
PLSCR1	-0.58146	0.58146	7.0267	-0.16612	0.87049	0.92675	-6.253	5359
MTSS1	-0.32224	0.32224	10.746	-0.16589	0.87066	0.92688	-6.2531	9788
EPS8	0.34209	0.34209	5.4959	0.16578	0.87075	0.92691	-6.2531	2059
AURKAP1	-0.03789	0.037894	0.7948	-0.16563	0.87086	0.92698	-6.2531	6791
KLRB1	0.040048	0.040048	0.59375	0.16532	0.8711	0.92712	-6.2532	3820
KBTBD11	0.021408	0.021408	0.63156	0.16527	0.87114	0.92712	-6.2532	9920
UBE3B	-0.1037	0.1037	4.9353	-0.16525	0.87116	0.92712	-6.2532	89910
ADH5	-0.64205	0.64205	12.817	-0.16475	0.87154	0.92747	-6.2533	128
ARHGEF25	-0.12334	0.12334	1.8987	-0.16456	0.87169	0.92757	-6.2533	115557
CEP162	-0.02969	0.029693	0.88834	-0.16444	0.87179	0.92761	-6.2533	22832
PER3	-0.35481	0.35481	6.3298	-0.16418	0.87199	0.92768	-6.2534	8863
GOLGA2	0.30478	0.30478	11.764	0.16416	0.872	0.92768	-6.2534	2801
RPL28	1.7339	1.7339	44.875	0.16414	0.87201	0.92768	-6.2534	6158
CIPC	0.14986	0.14986	4.6292	0.16405	0.87209	0.92769	-6.2534	85457
LIX1L	0.20054	0.20054	4.0958	0.16391	0.8722	0.92771	-6.2534	128077
BTBD9	0.05484	0.05484	2.7157	0.16388	0.87222	0.92771	-6.2534	114781
ELMO3	-0.23056	0.23056	6.2523	-0.16355	0.87247	0.92791	-6.2535	79767
FKBP2	0.39074	0.39074	9.445	0.1635	0.87251	0.92791	-6.2535	2286
DNAJB2	0.4752	0.4752	12.702	0.16332	0.87264	0.92795	-6.2535	3300

TIAM2	-0.02229	0.022285	0.24544	-0.1633	0.87267	0.92795	-6.2535	26230
TSR1	-0.18384	0.18384	7.0249	-0.16324	0.87271	0.92795	-6.2535	55720
GPAT2	0.02753	0.02753	0.43612	0.16302	0.87288	0.92807	-6.2536	150763
GMIP	0.10797	0.10797	3.0249	0.16287	0.873	0.92814	-6.2536	51291
WDR3	-0.12287	0.12287	3.7132	-0.16278	0.87307	0.92815	-6.2536	10885
PIK3CG	-0.02877	0.028768	0.68124	-0.1622	0.87351	0.92854	-6.2537	5294
TMEM123	0.82067	0.82067	24.778	0.16217	0.87354	0.92854	-6.2537	114908
PDE6G	-0.01348	0.013484	0.14023	-0.16201	0.87366	0.92855	-6.2537	5148
SERPINF1	-2.9339	2.9339	38.466	-0.16201	0.87366	0.92855	-6.2537	5176
DCTPP1	0.28187	0.28187	5.6989	0.16189	0.87375	0.92859	-6.2537	79077
TAL1	-0.03161	0.031608	0.67622	-0.16176	0.87385	0.92864	-6.2538	6886
TSPAN18	0.15558	0.15558	2.6637	0.16159	0.87399	0.92866	-6.2538	90139
SNX17	0.43741	0.43741	12.344	0.16156	0.874	0.92866	-6.2538	9784
RPS6	-18.557	18.557	584.86	-0.16152	0.87404	0.92866	-6.2538	6194
IFI16	-1.4758	1.4758	22.524	-0.16127	0.87423	0.92879	-6.2538	3428
GEN1	0.033988	0.033988	0.9956	0.16122	0.87427	0.92879	-6.2539	348654
TMEM104	0.086499	0.086499	2.1659	0.1611	0.87436	0.92881	-6.2539	54868
TMEM250	-0.34225	0.34225	8.3439	-0.16101	0.87443	0.92881	-6.2539	90120
LENG9	-0.07378	0.073778	1.855	-0.16098	0.87446	0.92881	-6.2539	94059
LYRM4	0.06841	0.06841	1.8073	0.16047	0.87485	0.92917	-6.254	57128
ZNF675	0.060902	0.060902	1.7644	0.16023	0.87503	0.92931	-6.254	171392
ZSCAN20	0.030157	0.030157	0.7418	0.16009	0.87515	0.92937	-6.254	7579
BAALC	-0.0443	0.044296	0.60928	-0.15989	0.8753	0.92947	-6.2541	79870
RPS8	17.189	17.189	559.52	0.15952	0.87558	0.92971	-6.2541	6202
TBCC	0.12604	0.12604	5.0016	0.15933	0.87573	0.92981	-6.2542	6903
CRYZL2P-SEC16B	0.014539	0.014539	0.14962	0.15915	0.87587	0.92985	-6.2542	1.11E+08

FAM20C	0.52159	0.52159	8.1215	0.15914	0.87588	0.92985	-6.2542	56975
SASS6	-0.02198	0.021976	0.50525	-0.15905	0.87595	0.92985	-6.2542	163786
DGUOK	0.26252	0.26252	7.8143	0.159	0.87598	0.92985	-6.2542	1716
WDR34	-0.19527	0.19527	5.2322	-0.15884	0.87611	0.92992	-6.2542	89891
KEAP1	-0.33196	0.33196	10.678	-0.15868	0.87624	0.93	-6.2543	9817
GPATCH3	0.099462	0.099462	3.0082	0.15819	0.87661	0.93034	-6.2544	63906
SRMS	0.032317	0.032317	0.42054	0.15812	0.87667	0.93034	-6.2544	6725
MORC2	-0.08977	0.089774	3.6143	-0.15804	0.87673	0.93035	-6.2544	22880
RUFY1	0.18548	0.18548	6.8226	0.15796	0.87679	0.93035	-6.2544	80230
BDNF-AS	-0.02732	0.027323	0.47215	-0.15787	0.87686	0.93037	-6.2544	497258
KLHL13	0.023306	0.023306	0.40686	0.15756	0.8771	0.93056	-6.2545	90293
GSS	-0.17428	0.17428	5.4131	-0.15709	0.87746	0.93089	-6.2545	2937
TOMM40L	-0.06309	0.063092	2.0661	-0.15689	0.87761	0.93099	-6.2546	84134
TRIM59-IFT80	-0.01673	0.016732	0.46188	-0.15672	0.87775	0.93107	-6.2546	1E+08
PTPN7	0.018724	0.018724	0.4356	0.15658	0.87786	0.93109	-6.2546	5778
EMX2OS	-0.05222	0.052217	1.4494	-0.15656	0.87787	0.93109	-6.2546	196047
FUT4	-0.03229	0.03229	0.76965	-0.15642	0.87798	0.93115	-6.2546	2526
MDH2	0.61145	0.61145	21.338	0.15631	0.87807	0.93118	-6.2547	4191
LONP1	-0.29978	0.29978	7.9134	-0.15601	0.8783	0.93137	-6.2547	9361
EPCAM	0.077984	0.077984	1.5116	0.15593	0.87836	0.93138	-6.2547	4072
RSPRY1	0.065635	0.065635	3.5615	0.15547	0.87872	0.93169	-6.2548	89970
SMIM10L1	0.042001	0.042001	1.2366	0.15538	0.87879	0.93171	-6.2548	1E+08
ANAPC5	0.29325	0.29325	15.975	0.15508	0.87902	0.9319	-6.2549	51433
LCN2	-1.1106	1.1106	10.23	-0.15498	0.8791	0.93192	-6.2549	3934
RTL8A	0.28965	0.28965	8.9111	0.15487	0.87918	0.93195	-6.2549	26071
MRPS9	0.12149	0.12149	3.8813	0.1548	0.87923	0.93195	-6.2549	64965

POLE3	-0.24172	0.24172	7.9101	-0.15466	0.87934	0.932	-6.2549	54107
CLEC4E	0.047836	0.047836	0.40453	0.15452	0.87945	0.93206	-6.2549	26253
CASTOR2	-0.08929	0.089293	3.0966	-0.15445	0.87951	0.93206	-6.255	729438
CASP5	0.021449	0.021449	0.17381	0.15367	0.88011	0.93257	-6.2551	838
LOC101928370	0.016888	0.016888	0.25373	0.15362	0.88014	0.93257	-6.2551	1.02E+08
RNF103	0.077394	0.077394	4.0482	0.15362	0.88015	0.93257	-6.2551	7844
TRUB2	-0.11186	0.11186	3.8676	-0.15333	0.88037	0.93274	-6.2551	26995
BOLA2-SMG1P6	-0.03553	0.035525	1.082	-0.15303	0.88061	0.93294	-6.2552	1.07E+08
TNPO3	0.13887	0.13887	6.4814	0.15282	0.88076	0.933	-6.2552	23534
SIM1	0.022235	0.022235	0.29129	0.15281	0.88078	0.933	-6.2552	6492
ZNF275	0.063205	0.063205	1.3245	0.15268	0.88087	0.93304	-6.2552	10838
LSM11	0.016254	0.016254	0.64866	0.15259	0.88094	0.93306	-6.2553	134353
RASSF6	-0.01851	0.018507	0.51682	-0.15252	0.881	0.93306	-6.2553	166824
BBS10	0.033028	0.033028	1.1223	0.15224	0.88121	0.93323	-6.2553	79738
AJUBA	0.32068	0.32068	8.6544	0.15205	0.88136	0.9333	-6.2553	84962
TLR2	0.16977	0.16977	2.0433	0.15201	0.88139	0.9333	-6.2553	7097
ACKR2	-0.18631	0.18631	2.74	-0.15191	0.88147	0.9333	-6.2554	1238
FOXP3	0.014604	0.014604	0.48315	0.15187	0.8815	0.9333	-6.2554	50943
PDE5A	0.12886	0.12886	2.1804	0.15164	0.88168	0.93343	-6.2554	8654
DMXL1	0.061471	0.061471	3.7948	0.15127	0.88197	0.93365	-6.2555	1657
TNFSF15	-0.01292	0.012922	0.23551	-0.15123	0.882	0.93365	-6.2555	9966
IRF8	0.069777	0.069777	1.4647	0.15116	0.88205	0.93365	-6.2555	3394
CCR10	-0.01798	0.01798	0.30705	-0.15104	0.88215	0.93369	-6.2555	2826
LBX2-AS1	-0.02823	0.028234	0.55353	-0.15078	0.88234	0.93378	-6.2555	151534
LYNX1-SLURP2	-0.04	0.039999	0.41496	-0.15078	0.88234	0.93378	-6.2555	1.11E+08
SLC39A13	-0.2551	0.2551	6.7843	-0.15066	0.88243	0.93382	-6.2556	91252

IL10RB-DT	-0.02671	0.026706	0.60486	-0.15046	0.88259	0.93393	-6.2556	1E+08
VPS36	-0.12961	0.12961	7.1142	-0.15027	0.88274	0.93402	-6.2556	51028
MAP1S	0.11948	0.11948	2.918	0.14999	0.88296	0.9342	-6.2557	55201
ATP8B2	0.25538	0.25538	4.4765	0.14976	0.88314	0.93428	-6.2557	57198
NDOR1	0.18145	0.18145	4.6685	0.14975	0.88314	0.93428	-6.2557	27158
B2M	12.883	12.883	257.84	0.14965	0.88322	0.93428	-6.2557	567
FAM167A	-0.10098	0.10098	3.8656	-0.1496	0.88326	0.93428	-6.2557	83648
MXRA8	1.0279	1.0279	16.518	0.14929	0.8835	0.93448	-6.2558	54587
LILRB1	0.074884	0.074884	0.82133	0.14912	0.88363	0.93456	-6.2558	10859
HCLS1	-0.30192	0.30192	5.452	-0.14893	0.88378	0.93465	-6.2558	3059
MRPS11	0.054342	0.054342	1.8449	0.14866	0.88398	0.93481	-6.2559	64963
VSIG8	-0.07474	0.074741	1.1309	-0.14853	0.88409	0.93486	-6.2559	391123
TRIT1	-0.06685	0.066854	3.7956	-0.14845	0.88415	0.93487	-6.2559	54802
NRADDP	-0.01714	0.017143	0.3849	-0.14831	0.88426	0.93492	-6.2559	1E+08
GNAQ	0.15136	0.15136	4.7433	0.14764	0.88478	0.93542	-6.256	2776
AQP7P3	0.015516	0.015516	0.2157	0.14728	0.88505	0.93553	-6.2561	441432
RAD51C	0.063069	0.063069	1.587	0.14724	0.88509	0.93553	-6.2561	5889
BIK	-0.02401	0.024014	0.63164	-0.14723	0.88509	0.93553	-6.2561	638
PALMD	0.32487	0.32487	12.685	0.14722	0.8851	0.93553	-6.2561	54873
UCK2	-0.15681	0.15681	5.689	-0.147	0.88527	0.93559	-6.2561	7371
TMEM203	0.21982	0.21982	7.3143	0.147	0.88527	0.93559	-6.2561	94107
ITGA9	0.16256	0.16256	3.7765	0.14679	0.88543	0.9357	-6.2561	3680
HERC2P4	0.015756	0.015756	0.18149	0.14649	0.88567	0.93577	-6.2562	1E+08
LOC101929243	-0.02067	0.020672	0.51742	-0.14645	0.8857	0.93577	-6.2562	1.02E+08
NFKB1	0.21022	0.21022	8.4535	0.14642	0.88572	0.93577	-6.2562	4790
LOC105378663	0.014959	0.014959	0.24499	0.14636	0.88577	0.93577	-6.2562	1.05E+08

PHOSPHO2-KLHL23	-0.01325	0.013254	0.17082	-0.14628	0.88582	0.93577	-6.2562	1.01E+08
FDX2	-0.11893	0.11893	2.7792	-0.14627	0.88583	0.93577	-6.2562	112812
SEC63	0.15817	0.15817	5.3642	0.14612	0.88595	0.9358	-6.2562	11231
BCAS4	0.023628	0.023628	0.52205	0.1461	0.88597	0.9358	-6.2563	55653
PPT1	0.46333	0.46333	12.43	0.14599	0.88605	0.93583	-6.2563	5538
GZMK	0.02795	0.02795	0.35276	0.14576	0.88623	0.93596	-6.2563	3003
LOC145474	-0.02429	0.024291	0.42339	-0.14568	0.88629	0.93596	-6.2563	145474
SMG5	0.24863	0.24863	10.039	0.14557	0.88638	0.936	-6.2563	23381
LOC105375713	-0.01316	0.013162	0.145	-0.14517	0.88669	0.93627	-6.2564	1.05E+08
PHF10	0.11279	0.11279	7.8764	0.1451	0.88675	0.93627	-6.2564	55274
ZBTB20-AS5	-0.01622	0.016221	0.13638	-0.14492	0.88688	0.93635	-6.2564	1.02E+08
NAGA	0.13602	0.13602	3.6627	0.14484	0.88694	0.93636	-6.2564	4668
RBM15B	-0.17677	0.17677	8.2277	-0.14473	0.88703	0.93639	-6.2565	29890
LAG3	-0.02364	0.023635	0.30152	-0.14457	0.88715	0.93643	-6.2565	3902
UXS1	0.075765	0.075765	2.6663	0.14454	0.88718	0.93643	-6.2565	80146
TXN2	-0.46307	0.46307	13.791	-0.14435	0.88733	0.93649	-6.2565	25828
RUNX1	-0.28553	0.28553	6.3469	-0.14433	0.88734	0.93649	-6.2565	861
TFIP11	-0.11337	0.11337	5.017	-0.14408	0.88753	0.93663	-6.2566	24144
THUMPD3	-0.07386	0.073864	3.9932	-0.14388	0.88768	0.93671	-6.2566	25917
EIF3F	1.5648	1.5648	57.151	0.14378	0.88777	0.93671	-6.2566	8665
CELF2	0.088551	0.088551	2.3341	0.14377	0.88777	0.93671	-6.2566	10659
SAMD10	0.070798	0.070798	2.0916	0.14364	0.88787	0.93673	-6.2566	140700
LOC100506142	0.04554	0.04554	0.74372	0.14357	0.88792	0.93673	-6.2566	1.01E+08
ZNF250	0.05848	0.05848	1.9602	0.14353	0.88796	0.93673	-6.2566	58500
EEF1D	1.0569	1.0569	36.651	0.14331	0.88813	0.93675	-6.2567	1936
NOMO3	0.14617	0.14617	5.5875	0.14329	0.88815	0.93675	-6.2567	408050

C1orf162	0.11314	0.11314	1.6768	0.14317	0.88824	0.93675	-6.2567	128346
NCBP1	-0.07155	0.071553	4.1158	-0.14316	0.88824	0.93675	-6.2567	4686
SLFN5	-0.22223	0.22223	3.9364	-0.14308	0.88831	0.93675	-6.2567	162394
NLN	0.034748	0.034748	1.4336	0.14305	0.88833	0.93675	-6.2567	57486
HS2ST1	0.065786	0.065786	2.2528	0.14301	0.88836	0.93675	-6.2567	9653
ZNF282	-0.26634	0.26634	6.7288	-0.1429	0.88845	0.93678	-6.2567	8427
GORAB	-0.02271	0.022706	0.82954	-0.14259	0.88869	0.93697	-6.2568	92344
URB1-AS1	0.053049	0.053049	1.3599	0.14217	0.88901	0.93725	-6.2568	84996
LAGE3	-0.18047	0.18047	4.5294	-0.14198	0.88916	0.93735	-6.2569	8270
RPL22	1.5113	1.5113	57.063	0.14179	0.88931	0.93743	-6.2569	6146
HACD4	0.047587	0.047587	1.5629	0.14175	0.88934	0.93743	-6.2569	401494
RIPK4	0.31377	0.31377	8.3403	0.14141	0.8896	0.93764	-6.257	54101
MTRR	-0.05268	0.052675	2.5186	-0.14132	0.88967	0.93766	-6.257	4552
TRIM32	-0.04953	0.049528	2.805	-0.14109	0.88985	0.93778	-6.257	22954
CCDC96	-0.02021	0.020206	0.52687	-0.14094	0.88996	0.93785	-6.257	257236
AGPAT1	0.045855	0.045855	1.1773	0.14065	0.89019	0.93797	-6.2571	10554
BCL3	0.80971	0.80971	14.577	0.14057	0.89025	0.93797	-6.2571	602
ARMC10	-0.12066	0.12066	5.7794	-0.14057	0.89025	0.93797	-6.2571	83787
CMSS1	0.1518	0.1518	3.6846	0.14008	0.89063	0.93832	-6.2571	84319
MPV17L2	0.083481	0.083481	2.3029	0.13987	0.8908	0.93843	-6.2572	84769
SSC5D	-0.26157	0.26157	3.132	-0.13966	0.89096	0.93855	-6.2572	284297
BICDL2	-0.58041	0.58041	10.519	-0.13958	0.89102	0.93855	-6.2572	146439
SLN	0.034014	0.034014	0.28723	0.13941	0.89116	0.93861	-6.2572	6588
NDC1	0.062189	0.062189	2.1776	0.13935	0.8912	0.93861	-6.2572	55706
MAGI3	0.036169	0.036169	1.7341	0.13929	0.89125	0.93861	-6.2573	260425
GRHPR	0.46954	0.46954	18.926	0.13886	0.89158	0.9389	-6.2573	9380

B3GNT4	-0.02661	0.026607	1.2646	-0.1387	0.8917	0.93893	-6.2573	79369
SDF4	-0.67443	0.67443	21.839	-0.13868	0.89172	0.93893	-6.2573	51150
HNRNPA2B1	-0.79657	0.79657	31.94	-0.13841	0.89193	0.93904	-6.2574	3181
CPQ	-0.26548	0.26548	5.7673	-0.13841	0.89193	0.93904	-6.2574	10404
TMEM68	-0.02596	0.025957	1.2596	-0.13806	0.8922	0.93926	-6.2574	137695
PPIL4	0.098187	0.098187	4.2913	0.13799	0.89225	0.93926	-6.2574	85313
IL17RC	0.23617	0.23617	7.7719	0.13782	0.89238	0.93934	-6.2575	84818
CH25H	0.10299	0.10299	1.4557	0.13758	0.89257	0.93934	-6.2575	9023
LINC00702	-0.01947	0.01947	0.17183	-0.13756	0.89259	0.93934	-6.2575	1.01E+08
ACSL5	0.063365	0.063365	1.4213	0.13754	0.8926	0.93934	-6.2575	51703
EMC10	0.45341	0.45341	14.461	0.13754	0.89261	0.93934	-6.2575	284361
CYC1	0.60568	0.60568	21.622	0.1374	0.89271	0.93939	-6.2575	1537
ENO1-AS1	-0.01682	0.016823	0.29202	-0.1373	0.89279	0.93941	-6.2575	1.01E+08
TRMT5	-0.03273	0.032733	1.3978	-0.13716	0.8929	0.93943	-6.2576	57570
DPP9	0.20563	0.20563	7.1485	0.13713	0.89292	0.93943	-6.2576	91039
NCDN	-0.16818	0.16818	4.1904	-0.13707	0.89297	0.93943	-6.2576	23154
EED	-0.04396	0.04396	1.918	-0.13694	0.89307	0.93945	-6.2576	8726
C11orf71	-0.08445	0.084448	1.8471	-0.1369	0.8931	0.93945	-6.2576	54494
ZSCAN16-AS1	-0.01647	0.016471	0.35028	-0.1368	0.89317	0.93945	-6.2576	1E+08
HSPG2	1.6255	1.6255	33.388	0.13676	0.89321	0.93945	-6.2576	3339
LOC101448202	0.030428	0.030428	0.43608	0.13647	0.89343	0.93962	-6.2577	1.01E+08
ATF6B	-0.07506	0.075061	3.904	-0.13626	0.8936	0.93974	-6.2577	1388
NIPBL	-0.12002	0.12002	7.3591	-0.13611	0.89371	0.93981	-6.2577	25836
HVCN1	0.033181	0.033181	0.83648	0.13571	0.89403	0.94002	-6.2578	84329
GCAT	0.055046	0.055046	1.72	0.1357	0.89403	0.94002	-6.2578	23464
ALG12	0.1101	0.1101	4.4574	0.1356	0.89411	0.94005	-6.2578	79087

GPR84	0.047758	0.047758	0.60526	0.13504	0.89454	0.94039	-6.2579	53831
HSF2	-0.03442	0.034415	1.8257	-0.13502	0.89455	0.94039	-6.2579	3298
RNF113A	-0.07951	0.079506	2.9909	-0.13484	0.89469	0.94048	-6.2579	7737
EFEMP2	0.34416	0.34416	6.6095	0.13466	0.89484	0.94052	-6.2579	30008
MIR3973	0.011073	0.011073	0.095458	0.13465	0.89484	0.94052	-6.2579	1.01E+08
IL1R1	-0.57145	0.57145	12.463	-0.13456	0.89491	0.94054	-6.2579	3554
KLF2	-0.2109	0.2109	7.2666	-0.13444	0.89501	0.94055	-6.2579	10365
GS1-124K5.4	-0.01521	0.015207	0.267	-0.13441	0.89503	0.94055	-6.2579	1E+08
STON1	0.079031	0.079031	1.9702	0.13426	0.89515	0.94061	-6.258	11037
ADA2	0.12576	0.12576	2.4403	0.13413	0.89525	0.94066	-6.258	51816
COP1	-0.09649	0.096489	8.253	-0.13398	0.89536	0.94072	-6.258	64326
TMEM273	0.086174	0.086174	1.9337	0.1338	0.8955	0.94081	-6.258	170371
RRAS	-0.31703	0.31703	9.3003	-0.13344	0.89579	0.94105	-6.2581	6237
SLC34A3	0.014451	0.014451	0.20551	0.13273	0.89633	0.94147	-6.2582	142680
SBF1	0.40122	0.40122	12.286	0.13258	0.89645	0.94147	-6.2582	6305
ZFP69B	0.015951	0.015951	0.48513	0.13252	0.89649	0.94147	-6.2582	65243
PAK4	0.2316	0.2316	8.6278	0.13248	0.89653	0.94147	-6.2582	10298
MEDAG	0.3958	0.3958	5.7053	0.13241	0.89658	0.94147	-6.2582	84935
NHSL2	-0.10548	0.10548	2.0925	-0.13241	0.89658	0.94147	-6.2582	340527
ATP5F1D	-1.0265	1.0265	29.86	-0.1324	0.89659	0.94147	-6.2582	513
MIR210HG	0.15157	0.15157	5.4631	0.13231	0.89666	0.94147	-6.2582	1.01E+08
COLEC12	-0.22934	0.22934	4.9382	-0.13228	0.89669	0.94147	-6.2582	81035
CYYR1	0.085359	0.085359	2.3062	0.13216	0.89678	0.9415	-6.2583	116159
FARSB	-0.2128	0.2128	6.9995	-0.13199	0.89691	0.94153	-6.2583	10056
TIA1	0.070558	0.070558	3.3939	0.13193	0.89695	0.94153	-6.2583	7072
DUSP23	-0.42328	0.42328	10.629	-0.1318	0.89706	0.94153	-6.2583	54935

SEC16A	-0.19476	0.19476	11.106	-0.13178	0.89707	0.94153	-6.2583	9919
SSTR2	-0.01951	0.019514	0.20254	-0.13176	0.89709	0.94153	-6.2583	6752
ATPAF2	0.047297	0.047297	3.219	0.1315	0.89729	0.94169	-6.2583	91647
TFPT	0.094127	0.094127	3.2567	0.13132	0.89743	0.94174	-6.2584	29844
HLA-DMA	0.058459	0.058459	1.2694	0.1313	0.89745	0.94174	-6.2584	3108
MAPRE2	0.099649	0.099649	5.1481	0.13116	0.89755	0.94179	-6.2584	10982
LOC101927727	0.034064	0.034064	0.84382	0.13092	0.89774	0.94186	-6.2584	1.02E+08
DEFB124	-0.01705	0.017046	0.13688	-0.13075	0.89787	0.94186	-6.2584	245937
POLD2	0.31429	0.31429	11.488	0.13074	0.89788	0.94186	-6.2585	5425
PALD1	-0.06836	0.068356	2.9079	-0.13073	0.89789	0.94186	-6.2585	27143
QRICH2	0.017275	0.017275	0.50404	0.13071	0.8979	0.94186	-6.2585	84074
TMPO	0.096577	0.096577	3.4255	0.13052	0.89805	0.94196	-6.2585	7112
WASF2	0.64266	0.64266	32.311	0.13026	0.89825	0.94211	-6.2585	10163
TCEAL1	0.10341	0.10341	2.5817	0.1301	0.89838	0.94218	-6.2585	9338
ATP7A	-0.15884	0.15884	3.5339	-0.12983	0.89859	0.94235	-6.2586	538
SHTN1	0.074099	0.074099	3.6286	0.12936	0.89895	0.94267	-6.2586	57698
DNM2	-0.44705	0.44705	22.525	-0.12929	0.899	0.94267	-6.2586	1785
SHANK2-AS3	0.01257	0.01257	0.18289	0.12894	0.89927	0.94289	-6.2587	220070
ECHS1	-0.48828	0.48828	16.213	-0.12867	0.89948	0.94305	-6.2587	1892
IFNAR1	-0.09228	0.092275	3.5888	-0.12824	0.89982	0.94329	-6.2588	3454
ZNF583	-0.01418	0.014178	0.41986	-0.12823	0.89983	0.94329	-6.2588	147949
RTKN	0.10175	0.10175	4.4183	0.12816	0.89988	0.94329	-6.2588	6242
LARP1	0.50848	0.50848	22.802	0.12807	0.89995	0.94331	-6.2588	23367
MEG3	-0.11306	0.11306	1.4161	-0.12794	0.90005	0.94333	-6.2588	55384
THEM5	1.696	1.696	21.616	0.1279	0.90008	0.94333	-6.2588	284486
TPSB2	1.2661	1.2661	24.873	0.12777	0.90019	0.94338	-6.2588	64499

RRN3	-0.07861	0.078608	3.7535	-0.1276	0.90032	0.94346	-6.2589	54700
PROSER3	-0.03346	0.033456	1.7893	-0.12728	0.90056	0.94359	-6.2589	148137
ZNF252P	0.032503	0.032503	1.6667	0.12718	0.90065	0.94359	-6.2589	286101
C2orf42	-0.02237	0.02237	1.2362	-0.12716	0.90066	0.94359	-6.2589	54980
FAM200B	-0.02067	0.020667	0.86123	-0.12715	0.90067	0.94359	-6.2589	285550
FLG2	18.806	18.806	185.46	0.12649	0.90118	0.94407	-6.259	388698
SMAD2	0.099076	0.099076	6.4008	0.12618	0.90142	0.94427	-6.2591	4087
ATF5	-0.23133	0.23133	5.3497	-0.12595	0.9016	0.94439	-6.2591	22809
SYS1	0.035959	0.035959	2.1158	0.1258	0.90172	0.94446	-6.2591	90196
ALCAM	-0.12655	0.12655	2.2742	-0.12535	0.90207	0.94472	-6.2592	214
SNHG21	-0.0228	0.022802	0.8258	-0.12533	0.90208	0.94472	-6.2592	1.01E+08
ZNF415	0.018871	0.018871	0.54177	0.12524	0.90215	0.94474	-6.2592	55786
BACE2	-0.14601	0.14601	3.5322	-0.12432	0.90286	0.94542	-6.2593	25825
PDF	-0.05899	0.05899	2.4444	-0.12417	0.90298	0.94549	-6.2593	64146
MROH1	0.12812	0.12812	5.0843	0.12408	0.90305	0.9455	-6.2593	727957
SHE	-0.06087	0.060873	1.6394	-0.12359	0.90344	0.94572	-6.2594	126669
MXRA5	0.55435	0.55435	11.195	0.12356	0.90345	0.94572	-6.2594	25878
ATP5MC1	-0.53919	0.53919	18.61	-0.12356	0.90345	0.94572	-6.2594	516
RLIM	0.068502	0.068502	3.9085	0.12352	0.90348	0.94572	-6.2594	51132
EPOP	-0.04281	0.042805	1.1545	-0.12339	0.90359	0.94577	-6.2594	1E+08
MRPL9	-0.18858	0.18858	6.8526	-0.12295	0.90393	0.94599	-6.2595	65005
IFT52	0.085016	0.085016	3.2465	0.12294	0.90394	0.94599	-6.2595	51098
RPS28	-11.005	11.005	398.02	-0.12291	0.90396	0.94599	-6.2595	6234
KIAA1257	0.019405	0.019405	0.34659	0.12258	0.90422	0.94619	-6.2595	57501
TRIM62	0.18703	0.18703	4.3964	0.1222	0.90451	0.94645	-6.2596	55223
CNOT4	-0.03413	0.034126	2.881	-0.12195	0.90471	0.94659	-6.2596	4850

KLHL20	-0.04462	0.044623	3.0589	-0.12185	0.90478	0.94661	-6.2596	27252
SLC38A6	0.029779	0.029779	0.87973	0.12172	0.90488	0.94666	-6.2596	145389
MIR381HG	-0.01571	0.015709	0.14313	-0.12154	0.90502	0.94671	-6.2597	378881
SETX	0.095386	0.095386	6.4315	0.12151	0.90505	0.94671	-6.2597	23064
ATL1	0.041218	0.041218	1.8342	0.12129	0.90522	0.94683	-6.2597	51062
DOT1L	-0.11456	0.11456	5.1216	-0.12091	0.90552	0.94708	-6.2597	84444
SDHAF4	-0.09684	0.096836	2.4694	-0.12073	0.90565	0.94717	-6.2598	135154
SLC7A1	-0.54198	0.54198	21.891	-0.12045	0.90587	0.94723	-6.2598	6541
NBL1	-0.87507	0.87507	27.7	-0.12044	0.90588	0.94723	-6.2598	4681
RPL18A	15.178	15.178	573.93	0.12032	0.90597	0.94723	-6.2598	6142
SPI1	0.4148	0.4148	7.8503	0.12031	0.90598	0.94723	-6.2598	6688
DPY19L2	0.025236	0.025236	0.40759	0.1203	0.90599	0.94723	-6.2598	283417
TMEM189-UBE2V1	0.11108	0.11108	3.5673	0.11975	0.90642	0.94761	-6.2599	387522
RPS2	23.45	23.45	789.33	0.11968	0.90647	0.94761	-6.2599	6187
PCDHB7	-0.01883	0.018832	0.35589	-0.11939	0.90669	0.94771	-6.2599	56129
DIXDC1	0.048131	0.048131	1.4874	0.11938	0.90671	0.94771	-6.2599	85458
CCDC138	0.014907	0.014907	0.5415	0.11934	0.90673	0.94771	-6.2599	165055
SAT2	0.24781	0.24781	7.8163	0.11892	0.90706	0.94796	-6.26	112483
APAF1	-0.02949	0.029485	1.4403	-0.1189	0.90708	0.94796	-6.26	317
DHX36	-0.09623	0.096226	5.4395	-0.11873	0.90721	0.94801	-6.26	170506
MED14OS	0.02815	0.02815	1.1772	0.11866	0.90726	0.94801	-6.26	1.01E+08
ABR	0.14428	0.14428	8.0188	0.11861	0.9073	0.94801	-6.26	29
CXXC1	-0.20065	0.20065	7.6058	-0.11835	0.9075	0.94816	-6.26	30827
DCAF6	-0.14794	0.14794	6.9298	-0.11811	0.90769	0.94826	-6.2601	55827
LOC100506175	0.012213	0.012213	0.12724	0.11809	0.90771	0.94826	-6.2601	1.01E+08
URGCP-MRPS24	0.02156	0.02156	0.29759	0.118	0.90778	0.94827	-6.2601	1.01E+08

PPP5C	0.16611	0.16611	7.7049	0.11786	0.90789	0.94833	-6.2601	5536
COL7A1	1.3231	1.3231	28.837	0.11759	0.9081	0.94849	-6.2601	1294
RNGTT	0.032496	0.032496	2.1004	0.1175	0.90817	0.94851	-6.2602	8732
PRSS22	-1.0672	1.0672	9.3889	-0.11705	0.90852	0.94877	-6.2602	64063
RBM24	-0.01417	0.014174	0.23526	-0.11702	0.90854	0.94877	-6.2602	221662
ZNF23	-0.0238	0.023797	1.1448	-0.11688	0.90865	0.94878	-6.2602	7571
FERMT3	-0.11969	0.11969	2.8711	-0.11688	0.90865	0.94878	-6.2602	83706
PDHA1	-0.09687	0.096869	4.5081	-0.11676	0.90874	0.94881	-6.2602	5160
SPART	0.05906	0.05906	3.2401	0.1165	0.90895	0.94897	-6.2603	23111
TSR3	-0.37511	0.37511	11.051	-0.11631	0.90909	0.94902	-6.2603	115939
NKAIN1	0.0175	0.0175	0.49387	0.11629	0.90911	0.94902	-6.2603	79570
LOC729683	-0.01842	0.018421	0.46234	-0.116	0.90933	0.94919	-6.2603	729683
DENND6B	0.028107	0.028107	0.99416	0.11584	0.90946	0.94927	-6.2604	414918
PIGBOS1	0.043845	0.043845	1.7942	0.11575	0.90953	0.94928	-6.2604	1.02E+08
SHLD2	0.088099	0.088099	4.3122	0.11549	0.90973	0.94938	-6.2604	54537
ATP2B1-AS1	0.014842	0.014842	0.43615	0.11543	0.90978	0.94938	-6.2604	338758
PLA2G5	-0.01159	0.011585	0.15156	-0.11541	0.90979	0.94938	-6.2604	5322
WDFY4	0.028832	0.028832	0.70252	0.11521	0.90994	0.94944	-6.2604	57705
SLC26A9	-0.09201	0.092013	1.5218	-0.11507	0.91006	0.94944	-6.2604	115019
FAM106B	0.010341	0.010341	0.16028	0.11506	0.91007	0.94944	-6.2604	1.01E+08
APOBEC3G	0.03411	0.03411	0.59541	0.11505	0.91008	0.94944	-6.2604	60489
LOC100506071	-0.00992	0.009922	0.21531	-0.11488	0.9102	0.94952	-6.2605	1.01E+08
ZRANB2-AS1	0.030007	0.030007	1.0642	0.11469	0.91036	0.94962	-6.2605	1E+08
PIGT	-0.34872	0.34872	14.144	-0.11414	0.91078	0.94999	-6.2606	51604
FBXW7	-0.09378	0.093784	5.4807	-0.11408	0.91083	0.94999	-6.2606	55294
CCNI2	-0.00926	0.009264	0.20162	-0.11385	0.91101	0.95007	-6.2606	645121

SST	0.1065	0.1065	0.99077	0.11383	0.91102	0.95007	-6.2606	6750
NDUFS7	-0.184	0.184	7.2774	-0.11368	0.91114	0.95014	-6.2606	374291
ALKBH3	0.10011	0.10011	4.5972	0.11277	0.91185	0.95082	-6.2607	221120
LINS1	0.028179	0.028179	1.9102	0.11268	0.91192	0.95083	-6.2607	55180
STX4	-0.18264	0.18264	8.5582	-0.11202	0.91243	0.95125	-6.2608	6810
ECE1	-0.42018	0.42018	11.625	-0.112	0.91245	0.95125	-6.2608	1889
CHST1	-0.05927	0.059267	1.0527	-0.11195	0.91249	0.95125	-6.2608	8534
ZNF20	0.016023	0.016023	0.7498	0.11187	0.91255	0.95125	-6.2608	7568
ZMYND19	0.12268	0.12268	5.3441	0.11138	0.91293	0.95159	-6.2609	116225
RNF170	0.038204	0.038204	2.0454	0.11129	0.913	0.95161	-6.2609	81790
RHOV	-0.42048	0.42048	16.142	-0.11054	0.91358	0.95209	-6.261	171177
ZEB1	-0.08943	0.089431	2.7078	-0.11045	0.91365	0.95209	-6.261	6935
GPI	0.54594	0.54594	23.539	0.11041	0.91368	0.95209	-6.261	2821
ZSCAN12	-0.01515	0.015154	0.65566	-0.11037	0.91371	0.95209	-6.261	9753
SLC23A1	-0.07242	0.072423	0.89265	-0.11033	0.91374	0.95209	-6.261	9963
RBAK	-0.036	0.036	2.1176	-0.10999	0.91401	0.95231	-6.261	57786
SNX20	0.018293	0.018293	0.51166	0.10971	0.91423	0.95248	-6.2611	124460
ANKIB1	-0.04312	0.043124	4.8553	-0.10921	0.91462	0.95283	-6.2611	54467
MINK1	0.88241	0.88241	35.081	0.10912	0.91469	0.95284	-6.2611	50488
RITA1	0.077396	0.077396	3.5617	0.10878	0.91495	0.95306	-6.2612	84934
MRPL16	-0.14168	0.14168	5.5878	-0.10866	0.91504	0.95309	-6.2612	54948
BAP1	-0.23109	0.23109	12.051	-0.10844	0.91522	0.95321	-6.2612	8314
PTPN1	0.19598	0.19598	9.663	0.10837	0.91527	0.95321	-6.2612	5770
CD83	0.02985	0.02985	1.1228	0.108	0.91556	0.95345	-6.2613	9308
CSNK1D	0.22003	0.22003	10.385	0.10778	0.91573	0.95357	-6.2613	1453
EPG5	-0.07191	0.07191	4.1583	-0.10758	0.91589	0.95363	-6.2613	57724

BUD13	-0.05838	0.058377	3.7378	-0.10757	0.9159	0.95363	-6.2613	84811
GDA	0.062413	0.062413	1.0434	0.10699	0.91634	0.95404	-6.2614	9615
ZNF155	-0.01389	0.013889	0.98685	-0.10687	0.91644	0.95407	-6.2614	7711
THRAP3	-0.32005	0.32005	17.773	-0.10658	0.91666	0.95424	-6.2614	9967
FAM239B	0.01942	0.01942	0.37633	0.10652	0.91671	0.95424	-6.2614	729162
RNPEPL1	0.26498	0.26498	11.659	0.10624	0.91693	0.95429	-6.2615	57140
TMEM176B	-0.27737	0.27737	6.4536	-0.10619	0.91697	0.95429	-6.2615	28959
SNORA6	0.017033	0.017033	0.30805	0.10589	0.91721	0.95429	-6.2615	574040
EIF3K	1.0043	1.0043	50.515	0.10587	0.91722	0.95429	-6.2615	27335
GAB2	-0.09535	0.09535	4.8567	-0.10586	0.91722	0.95429	-6.2615	9846
NDUFB11	-0.38086	0.38086	14.428	-0.10578	0.91729	0.95429	-6.2615	54539
NTHL1	0.056726	0.056726	2.0107	0.10574	0.91732	0.95429	-6.2615	4913
ARFGAP1	-0.14419	0.14419	5.4617	-0.10564	0.9174	0.95429	-6.2615	55738
CAMK1D	-0.15631	0.15631	5.4667	-0.10564	0.9174	0.95429	-6.2615	57118
DNAJC16	-0.02338	0.023378	2.5537	-0.10563	0.9174	0.95429	-6.2615	23341
G3BP2	-0.1507	0.1507	8.0962	-0.10562	0.91742	0.95429	-6.2615	9908
DGAT2	-1.0317	1.0317	19.588	-0.10559	0.91743	0.95429	-6.2615	84649
WDR83OS	-0.41336	0.41336	21.958	-0.10536	0.91761	0.95441	-6.2615	51398
TMEM254	-0.17361	0.17361	5.5484	-0.10501	0.91788	0.95455	-6.2616	80195
DAB2	-0.324	0.324	9.0525	-0.10501	0.91789	0.95455	-6.2616	1601
B9D2	0.026922	0.026922	1.079	0.10481	0.91805	0.95455	-6.2616	80776
DNMBP-AS1	0.007594	0.007594	0.16387	0.10478	0.91806	0.95455	-6.2616	1E+08
ALKBH7	-0.24842	0.24842	8.1858	-0.10478	0.91807	0.95455	-6.2616	84266
SLC39A2	0.31767	0.31767	6.2741	0.10475	0.91809	0.95455	-6.2616	29986
S100A3	0.16446	0.16446	3.4918	0.10449	0.9183	0.95471	-6.2616	6274
CD79A	0.011216	0.011216	0.21877	0.10437	0.91839	0.95475	-6.2617	973

SBNO2	0.58072	0.58072	16.267	0.10425	0.91848	0.95479	-6.2617	22904
CNKSR1	-0.12338	0.12338	3.801	-0.10396	0.91871	0.95488	-6.2617	10256
SF3B1	0.27653	0.27653	22.499	0.10394	0.91872	0.95488	-6.2617	23451
ARL6IP4	0.44909	0.44909	16.517	0.10386	0.91878	0.95488	-6.2617	51329
DDX56	0.099025	0.099025	6.9965	0.10383	0.9188	0.95488	-6.2617	54606
LSM2	-0.03587	0.035869	1.1562	-0.10377	0.91886	0.95488	-6.2617	57819
TRMT61B	0.027694	0.027694	2.2157	0.1037	0.91891	0.95488	-6.2617	55006
TRNT1	0.031944	0.031944	2.209	0.10345	0.9191	0.95502	-6.2618	51095
PTCHD3	-0.01092	0.010924	0.13858	-0.10333	0.9192	0.95506	-6.2618	374308
ZNF41	-0.01454	0.01454	1.2202	-0.10258	0.91978	0.95561	-6.2618	7592
ARID5A	0.14204	0.14204	4.0076	0.10216	0.92011	0.95589	-6.2619	10865
CCNT2	0.049521	0.049521	3.0966	0.10187	0.92034	0.95599	-6.2619	905
C7orf50	-0.05216	0.052157	1.7165	-0.10185	0.92035	0.95599	-6.2619	84310
PID1	-0.04838	0.048381	1.9164	-0.10182	0.92037	0.95599	-6.2619	55022
NCOA7	0.082712	0.082712	2.7798	0.10149	0.92063	0.95619	-6.262	135112
TMUB1	0.13091	0.13091	5.5375	0.10123	0.92083	0.95634	-6.262	83590
NSMCE4A	0.12188	0.12188	5.9613	0.10117	0.92088	0.95634	-6.262	54780
ZNF532	0.063943	0.063943	6.8762	0.10095	0.92105	0.95641	-6.262	55205
RASL11A	0.070594	0.070594	2.1612	0.10094	0.92106	0.95641	-6.262	387496
LCE4A	0.034179	0.034179	0.48835	0.10074	0.92122	0.95651	-6.262	199834
GMPS	-0.13435	0.13435	9.0111	-0.10062	0.92131	0.95655	-6.2621	8833
RIPOR3	0.1251	0.1251	2.9701	0.10018	0.92165	0.95684	-6.2621	140876
AVL9	0.038144	0.038144	3.2698	0.10008	0.92173	0.95687	-6.2621	23080
TADA2B	0.064672	0.064672	3.9957	0.099816	0.92193	0.95702	-6.2621	93624
VPS45	0.048064	0.048064	4.0868	0.09955	0.92214	0.95718	-6.2622	11311
ILVBL	-0.184	0.184	9.1823	-0.09936	0.92229	0.95726	-6.2622	10994

MYL6B	0.17381	0.17381	5.6593	0.099306	0.92233	0.95726	-6.2622	140465
ANGPTL8	-0.01292	0.012915	0.31559	-0.09895	0.92261	0.95739	-6.2622	55908
C19orf47	0.059258	0.059258	3.4385	0.098949	0.92261	0.95739	-6.2622	126526
DCK	-0.03752	0.037521	2.4106	-0.09893	0.92263	0.95739	-6.2622	1633
LETM1	-0.1466	0.1466	7.8283	-0.09881	0.92272	0.95742	-6.2622	3954
STK40	0.13948	0.13948	8.714	0.09852	0.92294	0.95758	-6.2623	83931
NHEJ1	-0.02958	0.02958	2.2077	-0.09848	0.92298	0.95758	-6.2623	79840
BTBD6	-0.20602	0.20602	12.278	-0.09827	0.92314	0.95762	-6.2623	90135
NAPRT	0.34275	0.34275	13.613	0.098221	0.92318	0.95762	-6.2623	93100
CEP57	-0.05465	0.054651	2.9874	-0.09821	0.92319	0.95762	-6.2623	9702
RMI1	-0.02049	0.020485	0.84029	-0.09812	0.92326	0.95763	-6.2623	80010
SWSAP1	0.017479	0.017479	0.87237	0.097866	0.92345	0.95778	-6.2623	126074
THAP8	0.031701	0.031701	1.0568	0.097788	0.92351	0.95778	-6.2623	199745
ST3GAL1	0.10222	0.10222	3.0165	0.097341	0.92386	0.95808	-6.2624	6482
CD226	0.009822	0.009822	0.24586	0.097187	0.92398	0.95814	-6.2624	10666
PANX2	0.015158	0.015158	0.267	0.097124	0.92403	0.95814	-6.2624	56666
PPP1R3C	0.092573	0.092573	3.9037	0.096818	0.92427	0.95833	-6.2624	5507
JAM3	0.1003	0.1003	3.6572	0.096469	0.92454	0.95852	-6.2625	83700
ZNF230	-0.00938	0.009376	0.47098	-0.09644	0.92456	0.95852	-6.2625	7773
LHX6	-0.03241	0.032405	0.96426	-0.09635	0.92464	0.95852	-6.2625	26468
C19orf73	-0.01902	0.019021	0.51505	-0.09629	0.92468	0.95852	-6.2625	55150
RIN3	0.072443	0.072443	3.3882	0.096139	0.9248	0.95858	-6.2625	79890
PEX7	0.050979	0.050979	2.4411	0.095662	0.92517	0.95889	-6.2626	5191
SLC1A1	0.017025	0.017025	0.62317	0.095614	0.92521	0.95889	-6.2626	6505
ARHGAP29	0.11123	0.11123	4.5166	0.09528	0.92547	0.9591	-6.2626	9411
NUTM2A-AS1	0.046583	0.046583	3.1512	0.09505	0.92565	0.95917	-6.2626	728190

CCL24	-0.0459	0.045895	1.0428	-0.09504	0.92565	0.95917	-6.2626	6369
BRMS1	0.25565	0.25565	10.911	0.094844	0.92581	0.95922	-6.2626	25855
PDE8B	-0.01369	0.013689	0.3472	-0.09484	0.92582	0.95922	-6.2626	8622
ZFYVE28	0.034198	0.034198	1.3531	0.094689	0.92593	0.95928	-6.2627	57732
FES	-0.05641	0.056414	1.7164	-0.09428	0.92625	0.95952	-6.2627	2242
SATB1	0.02142	0.02142	1.3482	0.094202	0.92631	0.95952	-6.2627	6304
PTPRN2	0.017236	0.017236	0.65647	0.09418	0.92633	0.95952	-6.2627	5799
TRIM5	-0.04384	0.043837	2.1403	-0.0941	0.92639	0.95953	-6.2627	85363
NIPSNAP2	0.15889	0.15889	6.2968	0.093624	0.92676	0.95985	-6.2628	2631
CASKIN1	0.012092	0.012092	0.40562	0.093325	0.92699	0.96003	-6.2628	57524
RABL6	0.26137	0.26137	12.43	0.093155	0.92713	0.96011	-6.2628	55684
IRF7	-0.21903	0.21903	6.1255	-0.09281	0.9274	0.96033	-6.2628	3665
CD82	0.71958	0.71958	27.049	0.092452	0.92768	0.9605	-6.2629	3732
SCARF1	-0.06159	0.061588	2.1017	-0.0924	0.92771	0.9605	-6.2629	8578
DUSP22	-0.06313	0.063128	7.2967	-0.09238	0.92773	0.9605	-6.2629	56940
ATXN2-AS	0.009642	0.009642	0.16105	0.092234	0.92785	0.96056	-6.2629	1.03E+08
FLAD1	-0.05855	0.058553	4.0256	-0.09182	0.92817	0.96084	-6.2629	80308
TRAF5	0.034946	0.034946	1.3811	0.091698	0.92826	0.96088	-6.2629	7188
CHRD2	-0.14953	0.14953	1.8363	-0.09159	0.92835	0.9609	-6.263	25884
EFHD2	-0.3201	0.3201	10.812	-0.09149	0.92842	0.96092	-6.263	79180
PRPF4	-0.07428	0.074276	4.0834	-0.09098	0.92882	0.96128	-6.263	9128
ELAC2	0.10926	0.10926	6.6211	0.090832	0.92894	0.96134	-6.263	60528
ADAMTS4	0.27037	0.27037	4.777	0.09075	0.929	0.96135	-6.263	9507
LOC101929523	0.034528	0.034528	0.88398	0.090205	0.92943	0.96161	-6.2631	1.02E+08
C17orf67	0.007662	0.007662	0.39617	0.090188	0.92944	0.96161	-6.2631	339210
ERAL1	-0.10761	0.10761	6.5109	-0.09018	0.92945	0.96161	-6.2631	26284

P2RY13	-0.02336	0.023362	0.70769	-0.09014	0.92948	0.96161	-6.2631	53829
OTUD4	0.050971	0.050971	4.7476	0.08989	0.92967	0.96174	-6.2631	54726
TMEM74B	0.051543	0.051543	1.5947	0.089391	0.93006	0.96208	-6.2632	55321
SIN3B	0.097209	0.097209	6.1793	0.089329	0.93011	0.96208	-6.2632	23309
SLFN12	0.024006	0.024006	0.99704	0.089035	0.93034	0.96226	-6.2632	55106
ZSCAN29	-0.02058	0.020576	2.0376	-0.08882	0.93051	0.96228	-6.2632	146050
MATR3	-0.15829	0.15829	12.327	-0.08881	0.93052	0.96228	-6.2632	9782
CORO7	0.048474	0.048474	2.2094	0.088738	0.93057	0.96228	-6.2632	79585
MRPL10	-0.08611	0.086109	3.9341	-0.08867	0.93063	0.96228	-6.2632	124995
GATA2-AS1	0.007947	0.007947	0.29277	0.08862	0.93066	0.96228	-6.2632	1.02E+08
BAZ1B	0.10246	0.10246	6.683	0.088568	0.93071	0.96228	-6.2632	9031
APMAP	-0.1805	0.1805	8.7024	-0.0882	0.931	0.96252	-6.2633	57136
CHMP7	0.056653	0.056653	3.8409	0.08801	0.93114	0.96261	-6.2633	91782
MED26	-0.02572	0.025717	2.4683	-0.08727	0.93172	0.96309	-6.2634	9441
FLJ46906	0.036849	0.036849	1.6016	0.087209	0.93177	0.96309	-6.2634	441172
PUS7	0.052511	0.052511	3.0525	0.087154	0.93181	0.96309	-6.2634	54517
KHDRBS1	-0.21759	0.21759	14.753	-0.08713	0.93183	0.96309	-6.2634	10657
ACOT11	-0.05259	0.052587	1.8517	-0.08694	0.93197	0.96318	-6.2634	26027
PAPOLG	-0.01742	0.017415	1.3126	-0.08672	0.93215	0.96328	-6.2634	64895
ATP13A1	-0.12162	0.12162	7.1002	-0.08667	0.93218	0.96328	-6.2634	57130
TWISTNB	0.032418	0.032418	1.985	0.086572	0.93226	0.9633	-6.2634	221830
AEBP1	-2.2562	2.2562	51.582	-0.08622	0.93253	0.96352	-6.2634	165
DDX18	-0.12546	0.12546	7.7682	-0.08577	0.93289	0.96378	-6.2635	8886
FLVCR2	0.040273	0.040273	1.9478	0.085765	0.93289	0.96378	-6.2635	55640
COMTD1	0.18304	0.18304	6.0573	0.08557	0.93304	0.96379	-6.2635	118881
LINC00896	-0.01506	0.015064	0.31685	-0.08549	0.9331	0.96379	-6.2635	150197

FNBP1	-0.09334	0.093336	7.3337	-0.08548	0.93311	0.96379	-6.2635	23048
ZNF468	0.019148	0.019148	1.1574	0.085425	0.93316	0.96379	-6.2635	90333
IBA57-DT	-0.00707	0.007066	0.16652	-0.08538	0.93319	0.96379	-6.2635	574432
FAM124A	0.012546	0.012546	0.41062	0.085147	0.93337	0.96392	-6.2635	220108
IL1R2	-0.29917	0.29917	6.6732	-0.08498	0.9335	0.96399	-6.2636	7850
CSKMT	-0.01278	0.012784	0.82654	-0.08484	0.93362	0.96405	-6.2636	751071
UNC45A	-0.16669	0.16669	8.914	-0.08473	0.9337	0.96408	-6.2636	55898
SECTM1	0.11972	0.11972	3.4422	0.084265	0.93406	0.96439	-6.2636	6398
TMEM106B	-0.05381	0.053811	3.4363	-0.08356	0.93461	0.9649	-6.2637	54664
ECD	0.058183	0.058183	5.7234	0.083424	0.93472	0.96496	-6.2637	11319
HK1	0.29939	0.29939	20.54	0.083064	0.935	0.9651	-6.2637	3098
NOLC1	0.20568	0.20568	8.7103	0.083024	0.93503	0.9651	-6.2637	9221
FMC1	-0.03133	0.031327	1.0195	-0.08299	0.93506	0.9651	-6.2637	154791
EYA4	0.012452	0.012452	0.22935	0.082926	0.93511	0.9651	-6.2637	2070
WDR54	-0.03735	0.037354	1.6095	-0.08288	0.93515	0.9651	-6.2637	84058
LTBP2	0.19446	0.19446	9.1027	0.082744	0.93525	0.96512	-6.2637	4053
ZNF518A	0.017975	0.017975	1.5454	0.082711	0.93528	0.96512	-6.2638	9849
NKAPD1	-0.03873	0.038734	3.3257	-0.08221	0.93567	0.96542	-6.2638	55216
BCL7C	-0.1462	0.1462	7.1661	-0.08215	0.93571	0.96542	-6.2638	9274
ACP2	-0.09562	0.095623	4.3691	-0.08211	0.93574	0.96542	-6.2638	53
MTA2	-0.20641	0.20641	16.402	-0.08171	0.93606	0.96569	-6.2638	9219
SNORA92	-0.01824	0.018243	0.60232	-0.08164	0.93612	0.96569	-6.2638	1.07E+08
SOD1	0.77348	0.77348	31.328	0.081501	0.93622	0.96574	-6.2639	6647
LINC01816	-0.00693	0.006929	0.18477	-0.08124	0.93643	0.96589	-6.2639	1E+08
SYNPO	0.2059	0.2059	6.5446	0.080881	0.9367	0.96606	-6.2639	11346
CISD3	-0.07186	0.07186	3.4781	-0.08088	0.93671	0.96606	-6.2639	284106

CA5BP1	0.024004	0.024004	1.7058	0.080762	0.9368	0.96607	-6.2639	340591
RGPD8	-0.01201	0.012009	0.70833	-0.08072	0.93683	0.96607	-6.2639	727851
ZNF724	-0.00939	0.009389	0.3965	-0.08059	0.93693	0.96612	-6.2639	440519
SLAMF1	-0.00901	0.00901	0.22062	-0.08042	0.93706	0.96619	-6.2639	6504
UFSP1	-0.01984	0.019835	0.68207	-0.08021	0.93723	0.96627	-6.264	402682
DOCK7	-0.03217	0.032171	3.2582	-0.08018	0.93725	0.96627	-6.264	85440
LCE2D	1.4737	1.4737	29.437	0.08	0.93739	0.96636	-6.264	353141
POLR2E	0.23817	0.23817	12.783	0.079705	0.93762	0.96653	-6.264	5434
LOC101927468	-0.00764	0.007638	0.17676	-0.07949	0.93779	0.96665	-6.264	1.02E+08
HSD17B14	0.041953	0.041953	1.2147	0.079345	0.9379	0.96671	-6.264	51171
SMN1	-0.03851	0.038511	2.3995	-0.07901	0.93816	0.96687	-6.2641	6606
UPF2	-0.04014	0.040138	3.4949	-0.07899	0.93818	0.96687	-6.2641	26019
PNPLA6	-0.1113	0.1113	5.8621	-0.07872	0.9384	0.96703	-6.2641	10908
LSM4	0.17677	0.17677	8.5917	0.078601	0.93848	0.96704	-6.2641	25804
IRAK3	-0.05103	0.051029	1.9474	-0.07849	0.93857	0.96704	-6.2641	11213
G3BP1	-0.31953	0.31953	23.079	-0.07841	0.93863	0.96704	-6.2641	10146
SLC25A22	-0.05025	0.050247	3.1112	-0.07841	0.93863	0.96704	-6.2641	79751
RSRC1	0.052781	0.052781	3.5013	0.078157	0.93883	0.96719	-6.2641	51319
CDK6	-0.05475	0.054745	3.8857	-0.07777	0.93913	0.96744	-6.2642	1021
PDGFRA	0.28893	0.28893	9.4198	0.077481	0.93936	0.96748	-6.2642	5156
FASTKD2	-0.02453	0.024534	2.251	-0.07746	0.93937	0.96748	-6.2642	22868
LOC105274304	-0.00806	0.008064	0.25911	-0.07745	0.93939	0.96748	-6.2642	1.05E+08
SLCO2B1	0.21342	0.21342	6.1934	0.077431	0.9394	0.96748	-6.2642	11309
KLHL6-AS1	0.009413	0.009413	0.30435	0.077302	0.9395	0.96752	-6.2642	1.01E+08
FLJ32255	0.022424	0.022424	1.1946	0.07714	0.93963	0.96759	-6.2642	643977
DYNC1H1	-0.28433	0.28433	31.694	-0.07696	0.93977	0.96768	-6.2642	1778

MTOR	0.059538	0.059538	6.5188	0.076325	0.94026	0.96811	-6.2643	2475
DNASE1L3	-0.033	0.033	1.611	-0.07627	0.9403	0.96811	-6.2643	1776
GOLGB1	0.10085	0.10085	8.6888	0.076049	0.94048	0.96823	-6.2643	2804
RPS11	8.0588	8.0588	516.98	0.075976	0.94053	0.96823	-6.2643	6205
SNF8	0.1505	0.1505	8.4823	0.075764	0.9407	0.96835	-6.2643	11267
RPS26	2.2336	2.2336	82.29	0.075617	0.94082	0.96841	-6.2643	6231
SESN3	0.14217	0.14217	9.4594	0.075542	0.94087	0.96841	-6.2643	143686
ZBTB46-AS1	0.009024	0.009024	0.17896	0.075281	0.94108	0.96856	-6.2644	1.02E+08
SNORA55	0.007833	0.007833	0.13343	0.075197	0.94114	0.96857	-6.2644	677834
LOC375196	-0.00524	0.005242	0.095242	-0.07502	0.94129	0.9686	-6.2644	375196
RASSF9	0.025862	0.025862	1.4164	0.07488	0.94139	0.9686	-6.2644	9182
HIVEP1	0.048755	0.048755	4.0115	0.074867	0.9414	0.9686	-6.2644	3096
PLA2G4E	-0.32749	0.32749	17.456	-0.07486	0.94141	0.9686	-6.2644	123745
OR1Q1	-0.0059	0.005903	0.1246	-0.07467	0.94155	0.96869	-6.2644	158131
HMGCL	-0.06128	0.061282	3.7477	-0.07461	0.9416	0.96869	-6.2644	3155
SPRR2G	-9.4934	9.4934	362.46	-0.07418	0.94194	0.96896	-6.2644	6706
TEAD2	0.1138	0.1138	4.201	0.074118	0.94199	0.96896	-6.2644	8463
FAM124B	-0.01261	0.012607	0.65155	-0.074	0.94208	0.969	-6.2645	79843
RDH10	-0.05631	0.056313	3.1261	-0.07358	0.94241	0.96922	-6.2645	157506
NOL8	-0.03265	0.032652	2.9966	-0.07357	0.94241	0.96922	-6.2645	55035
SSH1	-0.06226	0.062259	4.4975	-0.07345	0.94251	0.96926	-6.2645	54434
RGL2	-0.03155	0.031547	2.2283	-0.07289	0.94295	0.96961	-6.2645	5863
VCPIP1	-0.02558	0.025577	3.2257	-0.07287	0.94296	0.96961	-6.2645	80124
ATP23	0.015466	0.015466	0.75128	0.072532	0.94323	0.9698	-6.2646	91419
ARMC9	0.017277	0.017277	0.65421	0.072446	0.94329	0.9698	-6.2646	80210
BOD1	-0.08814	0.088138	5.7085	-0.0723	0.94341	0.9698	-6.2646	91272

BIN3	-0.04454	0.044535	4.448	-0.07225	0.94344	0.9698	-6.2646	55909
NRM	-0.00706	0.007055	0.39489	-0.07219	0.94349	0.9698	-6.2646	11270
PLBD2	0.23086	0.23086	10.985	0.072124	0.94354	0.9698	-6.2646	196463
HSF1	-0.176	0.176	14.024	-0.0721	0.94357	0.9698	-6.2646	3297
TM9SF4	0.093221	0.093221	10.201	0.07204	0.94361	0.9698	-6.2646	9777
MRPL34	0.10533	0.10533	8.0285	0.071787	0.94381	0.96995	-6.2646	64981
CALM3	0.35693	0.35693	22.029	0.071258	0.94422	0.97031	-6.2647	808
ABHD10	-0.03446	0.034461	1.7249	-0.07104	0.94439	0.97033	-6.2647	55347
KCCAT198	0.007682	0.007682	0.25281	0.070938	0.94447	0.97033	-6.2647	1.05E+08
UBE2F-SCLY	0.006802	0.006802	0.12116	0.070885	0.94451	0.97033	-6.2647	1.01E+08
CCDC112	0.011111	0.011111	0.71342	0.070883	0.94451	0.97033	-6.2647	153733
TIMM8A	0.023775	0.023775	1.9652	0.070799	0.94458	0.97033	-6.2647	1678
MGAT1	-0.1746	0.1746	10.362	-0.07073	0.94464	0.97033	-6.2647	4245
CHAF1B	-0.03131	0.031305	1.4343	-0.07066	0.94469	0.97033	-6.2647	8208
CAPN1	0.69552	0.69552	38.582	0.070653	0.94469	0.97033	-6.2647	823
ASAH2B	-0.01171	0.011709	0.71158	-0.06996	0.94523	0.97067	-6.2648	653308
FAS	0.035512	0.035512	2.32	0.06995	0.94524	0.97067	-6.2648	355
EPOR	-0.00956	0.009559	0.44336	-0.06989	0.94529	0.97067	-6.2648	2057
PDZRN4	-0.00706	0.007056	0.16024	-0.06985	0.94532	0.97067	-6.2648	29951
ARHGEF7	-0.02903	0.029031	4.402	-0.0698	0.94536	0.97067	-6.2648	8874
TMEM9	-0.10271	0.10271	5.2789	-0.06979	0.94537	0.97067	-6.2648	252839
NCSTN	0.12424	0.12424	12.123	0.069703	0.94544	0.97068	-6.2648	23385
ZNF678	-0.00871	0.008711	0.43917	-0.0694	0.94567	0.97086	-6.2648	339500
CEP295	0.014452	0.014452	1.1726	0.069149	0.94587	0.971	-6.2648	85459
ABCF1	-0.01777	0.017772	1.341	-0.06902	0.94597	0.97104	-6.2648	23
OR1N1	-0.0052	0.005197	0.081386	-0.0688	0.94614	0.97116	-6.2648	138883

OR2W3	-0.00583	0.005827	0.12973	-0.06861	0.94629	0.97126	-6.2649	343171
PTDSS1	0.12152	0.12152	11.538	0.068062	0.94672	0.97164	-6.2649	9791
RPS18	3.3573	3.3573	188.19	0.067765	0.94695	0.97182	-6.2649	6222
ANKRD52	-0.06692	0.066922	5.858	-0.06758	0.94709	0.97191	-6.2649	283373
LRFN3	-0.04592	0.045921	2.7135	-0.06751	0.94715	0.97191	-6.2649	79414
MRPL23	0.19002	0.19002	10.946	0.067174	0.94741	0.97211	-6.265	6150
ABT1	0.054959	0.054959	4.9767	0.066449	0.94798	0.97258	-6.265	29777
ODR4	-0.02399	0.023994	2.2356	-0.0664	0.94801	0.97258	-6.265	54953
GPX1	-0.92569	0.92569	33.83	-0.06638	0.94804	0.97258	-6.265	2876
RRM2B	0.048074	0.048074	2.8498	0.0662	0.94817	0.97266	-6.265	50484
NHLH2	0.006604	0.006604	0.20793	0.066113	0.94824	0.97267	-6.265	4808
XPNPEP1	0.087323	0.087323	7.0195	0.065958	0.94836	0.97273	-6.265	7511
NUDT4P2	0.058088	0.058088	4.0523	0.065764	0.94851	0.97283	-6.2651	170688
BOP1	-0.14141	0.14141	7.2959	-0.06555	0.94868	0.97294	-6.2651	23246
CALML3-AS1	0.035472	0.035472	2.1273	0.06544	0.94877	0.97297	-6.2651	1E+08
PCCB	-0.04245	0.042448	4.6983	-0.06535	0.94884	0.97299	-6.2651	5096
CTAGE8	0.045318	0.045318	3.1471	0.065104	0.94903	0.97312	-6.2651	1E+08
TNFRSF6B	-0.20893	0.20893	5.5345	-0.06503	0.94908	0.97312	-6.2651	8771
RPL13AP5	-10.938	10.938	679.16	-0.06452	0.94949	0.97347	-6.2651	728658
SERPINB9P1	0.012683	0.012683	0.48896	0.063997	0.9499	0.97383	-6.2652	221756
HLA-DQA2	0.015638	0.015638	0.55238	0.063476	0.9503	0.97419	-6.2652	3118
CDH23	-0.01248	0.012477	0.50995	-0.06334	0.95041	0.97424	-6.2652	64072
CCDC9B	-0.06849	0.06849	3.5941	-0.06269	0.95091	0.9747	-6.2653	388115
THOP1	0.0842	0.0842	4.6777	0.062501	0.95107	0.9748	-6.2653	7064
GRASP	-0.05334	0.05334	2.9226	-0.06214	0.95135	0.97503	-6.2653	160622
EMC9	-0.04174	0.041738	2.5505	-0.0619	0.95154	0.97508	-6.2653	51016

ATP8B4	0.02244	0.02244	0.8161	0.061898	0.95154	0.97508	-6.2653	79895
RNF24	0.053158	0.053158	3.4258	0.06185	0.95157	0.97508	-6.2653	11237
PTGES	-0.17621	0.17621	9.654	-0.06159	0.95178	0.97521	-6.2653	9536
CD14	0.54976	0.54976	16.233	0.061542	0.95182	0.97521	-6.2653	929
AMN	-0.02755	0.027554	1.2788	-0.06133	0.95198	0.97526	-6.2653	81693
ISCA2	-0.04005	0.040051	2.9441	-0.06133	0.95198	0.97526	-6.2653	122961
PEAK1	0.06714	0.06714	5.8129	0.061132	0.95214	0.97533	-6.2654	79834
FAR2	-0.01846	0.018456	1.2373	-0.06109	0.95217	0.97533	-6.2654	55711
PDS5B	-0.02988	0.029878	2.6411	-0.06045	0.95267	0.97574	-6.2654	23047
C1QTNF2	0.015024	0.015024	0.6847	0.060437	0.95268	0.97574	-6.2654	114898
MIR3945HG	-0.05078	0.050781	0.95007	-0.06035	0.95275	0.97574	-6.2654	731424
FBN1	0.42993	0.42993	19.221	0.060277	0.9528	0.97574	-6.2654	2200
MCAT	-0.02411	0.024109	2.1174	-0.06017	0.95289	0.97574	-6.2654	27349
KCTD3	0.050232	0.050232	5.9122	0.060086	0.95295	0.97574	-6.2654	51133
MTHFD1	0.11908	0.11908	7.4562	0.060064	0.95297	0.97574	-6.2654	4522
SAMD15	0.004353	0.004353	0.20686	0.059725	0.95324	0.97595	-6.2654	161394
PCSK6-AS1	0.0045	0.0045	0.13627	0.059067	0.95375	0.97627	-6.2655	1.05E+08
MPC2	0.057473	0.057473	4.0556	0.059008	0.9538	0.97627	-6.2655	25874
FBXL20	-0.03213	0.032131	3.5055	-0.05897	0.95383	0.97627	-6.2655	84961
RPUSD3	-0.04298	0.042976	4.0208	-0.05896	0.95384	0.97627	-6.2655	285367
SYNJ2BP	-0.02285	0.022849	2.2827	-0.0589	0.95388	0.97627	-6.2655	55333
TMEM115	0.10816	0.10816	10.317	0.058882	0.9539	0.97627	-6.2655	11070
CEP78	-0.00773	0.007726	0.71798	-0.05874	0.95401	0.97633	-6.2655	84131
LOC101927914	0.004458	0.004458	0.12859	0.058193	0.95443	0.97654	-6.2655	1.02E+08
MED30	0.012225	0.012225	0.91965	0.05815	0.95447	0.97654	-6.2655	90390
PQBP1	-0.08554	0.085544	9.1925	-0.05812	0.95449	0.97654	-6.2655	10084

EEF1A1	10.061	10.061	1163.4	0.058088	0.95452	0.97654	-6.2655	1915
GAS2L1	-0.1363	0.1363	12.415	-0.05796	0.95462	0.97654	-6.2656	10634
COASY	0.10895	0.10895	9.4611	0.057898	0.95466	0.97654	-6.2656	80347
B3GALNT1	-0.01495	0.014946	0.94156	-0.0579	0.95467	0.97654	-6.2656	8706
MGRN1	-0.04109	0.041087	4.5114	-0.05784	0.95471	0.97654	-6.2656	23295
CSNK1G1	0.020392	0.020392	3.1658	0.057803	0.95474	0.97654	-6.2656	53944
HDHD3	-0.10844	0.10844	5.5119	-0.05772	0.95481	0.97654	-6.2656	81932
C1orf68	2.8306	2.8306	70.074	0.057662	0.95485	0.97654	-6.2656	1E+08
HLX	0.03576	0.03576	1.6318	0.057592	0.9549	0.97654	-6.2656	3142
MFSD4B	0.015631	0.015631	2.8526	0.057478	0.95499	0.97657	-6.2656	91749
ZBED8	-0.00609	0.006087	0.34935	-0.05733	0.95511	0.97659	-6.2656	63920
AGTPBP1	-0.0246	0.024601	2.4787	-0.05726	0.95516	0.97659	-6.2656	23287
EPB41L5	0.013824	0.013824	1.4033	0.057233	0.95519	0.97659	-6.2656	57669
STOM	-0.52507	0.52507	29.131	-0.0571	0.95529	0.97663	-6.2656	2040
SAMD1	-0.11545	0.11545	8.7945	-0.05703	0.95535	0.97663	-6.2656	90378
KBTBD6	0.007648	0.007648	1.0505	0.05696	0.9554	0.97663	-6.2656	89890
BRINP1	0.008871	0.008871	0.28528	0.056412	0.95583	0.97698	-6.2656	1620
C4orf33	-0.01867	0.018666	1.3517	-0.05637	0.95586	0.97698	-6.2656	132321
TMEM14B	0.064491	0.064491	5.0442	0.056151	0.95603	0.9771	-6.2657	81853
TMPRSS11E	-0.01914	0.019141	0.46693	-0.05594	0.9562	0.97721	-6.2657	28983
PAQR8	0.008773	0.008773	0.60695	0.055527	0.95652	0.97742	-6.2657	85315
CCDC82	0.017196	0.017196	1.4302	0.055347	0.95666	0.97742	-6.2657	79780
ABHD16B	-0.02756	0.02756	1.8005	-0.05533	0.95667	0.97742	-6.2657	140701
MAP3K4	-0.01899	0.018989	4.8438	-0.05529	0.9567	0.97742	-6.2657	4216
WIPF2	0.055133	0.055133	7.225	0.055162	0.9568	0.97742	-6.2657	147179
ITGA7	-0.12444	0.12444	4.5799	-0.05515	0.95681	0.97742	-6.2657	3679

TERF1	0.022416	0.022416	2.4617	0.055151	0.95681	0.97742	-6.2657	7013
TMEM242	-0.01205	0.012046	1.3147	-0.055	0.95693	0.97749	-6.2657	729515
LACTB2	0.023586	0.023586	1.7554	0.054597	0.95725	0.9777	-6.2657	51110
BABAM2	0.040578	0.040578	5.3571	0.054581	0.95726	0.9777	-6.2657	9577
HSH2D	0.005135	0.005135	0.28591	0.054436	0.95737	0.97775	-6.2658	84941
ENSA	-0.14173	0.14173	18.633	-0.05437	0.95743	0.97775	-6.2658	2029
ARHGDIB	0.22152	0.22152	15.027	0.05407	0.95766	0.97793	-6.2658	397
RRP7A	-0.04851	0.048508	4.1602	-0.05397	0.95774	0.97795	-6.2658	27341
ATG4C	0.009703	0.009703	0.91645	0.053886	0.9578	0.97796	-6.2658	84938
PHF11	-0.03645	0.036448	2.7741	-0.05356	0.95805	0.97803	-6.2658	51131
WNT7B	0.043548	0.043548	3.345	0.053519	0.95809	0.97803	-6.2658	7477
NUFIP1	-0.01033	0.010334	1.0672	-0.05351	0.95809	0.97803	-6.2658	26747
PRSS16	0.008642	0.008642	0.61376	0.053499	0.95811	0.97803	-6.2658	10279
CLCN7	-0.11032	0.11032	9.9591	-0.05342	0.95817	0.97804	-6.2658	1186
EBF4	0.015539	0.015539	0.87636	0.053278	0.95828	0.97809	-6.2658	57593
SLC9B2	0.017321	0.017321	1.3558	0.052845	0.95862	0.97833	-6.2658	133308
MEX3D	-0.08641	0.086407	7.6211	-0.05276	0.95868	0.97833	-6.2659	399664
SPNS1	0.10707	0.10707	9.3249	0.052756	0.95869	0.97833	-6.2659	83985
CHST10	-0.01321	0.013211	0.81861	-0.05258	0.95883	0.97838	-6.2659	9486
ETV4	0.031219	0.031219	1.8678	0.052546	0.95885	0.97838	-6.2659	2118
SLC2A13	0.011503	0.011503	0.84065	0.051846	0.9594	0.97874	-6.2659	114134
LCOR	0.010757	0.010757	1.6502	0.051744	0.95948	0.97874	-6.2659	84458
LOC100131315	-0.01471	0.014712	0.2977	-0.05174	0.95948	0.97874	-6.2659	1E+08
JAM2	-0.03566	0.035664	2.2529	-0.05174	0.95948	0.97874	-6.2659	58494
KLF4	0.90091	0.90091	66.4	0.051726	0.95949	0.97874	-6.2659	9314
ZKSCAN7	0.006292	0.006292	0.37124	0.051561	0.95962	0.97878	-6.2659	55888

C2	-0.01479	0.014789	0.47196	-0.05151	0.95966	0.97878	-6.2659	717
GTF3C3	-0.01832	0.018324	2.8531	-0.05145	0.95971	0.97878	-6.2659	9330
FBXO2	0.046224	0.046224	2.8675	0.051134	0.95996	0.97897	-6.2659	26232
RALGAPB	0.030121	0.030121	6.5997	0.050881	0.96015	0.97912	-6.266	57148
ZNF181	-0.01254	0.012543	1.0143	-0.05051	0.96045	0.97935	-6.266	339318
LINC02012	-0.00441	0.004411	0.26126	-0.05041	0.96052	0.97935	-6.266	1E+08
STARD8	-0.02572	0.025721	1.3403	-0.05037	0.96056	0.97935	-6.266	9754
SDHAF1	-0.03968	0.039683	3.405	-0.04997	0.96086	0.97957	-6.266	644096
CREB3	0.063105	0.063105	5.2046	0.049943	0.96089	0.97957	-6.266	10488
CHMP3	0.1214	0.1214	16.444	0.049796	0.961	0.97958	-6.266	51652
TTC38	0.046863	0.046863	2.7674	0.049784	0.96101	0.97958	-6.266	55020
OAZ3	-0.01116	0.011164	0.52853	-0.04958	0.96117	0.97968	-6.266	51686
ZNF669	0.012346	0.012346	1.2789	0.049367	0.96134	0.97978	-6.266	79862
DCLRE1B	-0.01477	0.014768	1.5586	-0.0493	0.96139	0.97978	-6.266	64858
FBRS	-0.13183	0.13183	14.645	-0.04924	0.96144	0.97978	-6.266	64319
ALOX5	-0.03162	0.031617	2.1228	-0.04916	0.9615	0.97979	-6.266	240
C1orf174	0.025985	0.025985	3.4726	0.048736	0.96183	0.98	-6.2661	339448
NSG1	0.19217	0.19217	14.253	0.04869	0.96187	0.98	-6.2661	27065
ARHGAP25	0.026602	0.026602	1.5848	0.048608	0.96193	0.98	-6.2661	9938
MZF1-AS1	-0.00574	0.005735	0.3738	-0.04858	0.96195	0.98	-6.2661	1E+08
SNRNP35	-0.01257	0.012565	1.7325	-0.04847	0.96204	0.98	-6.2661	11066
SNAPC2	0.053203	0.053203	4.1262	0.048444	0.96206	0.98	-6.2661	6618
NFYA	0.017462	0.017462	2.2283	0.048122	0.96231	0.98014	-6.2661	4800
DCLK2	-0.01714	0.017142	0.80792	-0.04811	0.96232	0.98014	-6.2661	166614
APBB1IP	-0.02951	0.029512	1.7977	-0.04793	0.96246	0.98019	-6.2661	54518
IL12RB1	0.004063	0.004063	0.19165	0.047889	0.96249	0.98019	-6.2661	3594

SEPHS2	-0.09195	0.09195	8.0081	-0.04783	0.96254	0.98019	-6.2661	22928
PRPH2	0.00486	0.00486	0.30952	0.047532	0.96277	0.98034	-6.2661	5961
VIRMA	-0.02542	0.025416	4.5559	-0.04749	0.96281	0.98034	-6.2661	25962
HMGCS1	0.13106	0.13106	9.1151	0.04733	0.96293	0.98041	-6.2661	3157
THEM4	-0.01146	0.011458	1.0496	-0.04718	0.96305	0.98047	-6.2661	117145
ZEB2	0.070427	0.070427	4.8978	0.047021	0.96317	0.98054	-6.2661	9839
TIMM44	-0.04188	0.041876	4.9985	-0.04667	0.96345	0.98073	-6.2662	10469
AKR1B15	-0.0622	0.062198	2.7886	-0.04663	0.96348	0.98073	-6.2662	441282
PLCG1	-0.05607	0.056066	9.544	-0.0465	0.96358	0.98077	-6.2662	5335
NEXN	0.014424	0.014424	0.79489	0.046438	0.96363	0.98077	-6.2662	91624
ZNF480	-0.01124	0.011237	1.162	-0.04633	0.96372	0.9808	-6.2662	147657
RELB	0.04973	0.04973	4.0082	0.045697	0.96421	0.98123	-6.2662	5971
COX10	-0.01627	0.016265	2.3804	-0.04563	0.96426	0.98123	-6.2662	1352
HSPBP1	-0.04838	0.048376	4.9724	-0.04517	0.96462	0.98154	-6.2662	23640
LZTS1	-0.02601	0.026012	1.3423	-0.04502	0.96474	0.98155	-6.2662	11178
HSDL1	0.009897	0.009897	1.8182	0.04494	0.9648	0.98155	-6.2662	83693
TNIP2	0.069272	0.069272	5.8918	0.044931	0.96481	0.98155	-6.2662	79155
ERBIN	-0.05974	0.059744	9.1207	-0.04473	0.96497	0.98163	-6.2663	55914
RTN4R	-0.01488	0.014876	1.239	-0.04469	0.965	0.98163	-6.2663	65078
ST6GALNAC6	0.090994	0.090994	9.3172	0.044364	0.96525	0.98183	-6.2663	30815
FITM2	-0.02064	0.020641	2.2034	-0.04415	0.96542	0.98194	-6.2663	128486
METRN	0.019641	0.019641	1.406	0.043991	0.96555	0.982	-6.2663	79006
GANAB	-0.21362	0.21362	23.822	-0.04378	0.96571	0.982	-6.2663	23193
SLC19A1	-0.01065	0.010651	0.64591	-0.04361	0.96584	0.982	-6.2663	6573
SCO1	0.0351	0.0351	4.6033	0.043514	0.96592	0.982	-6.2663	6341
PIGH	0.023251	0.023251	3.4213	0.043495	0.96593	0.982	-6.2663	5283

EAPP	-0.06223	0.062225	7.7026	-0.04347	0.96595	0.982	-6.2663	55837
PMS1	-0.0072	0.007203	1.033	-0.04342	0.96599	0.982	-6.2663	5378
DPT	0.15644	0.15644	7.4201	0.043392	0.96601	0.982	-6.2663	1805
PPME1	-0.04591	0.045909	8.1016	-0.04329	0.9661	0.982	-6.2663	51400
RAMP3	0.12909	0.12909	6.5328	0.043244	0.96613	0.982	-6.2663	10268
POLR3B	0.013033	0.013033	2.4254	0.043068	0.96627	0.982	-6.2663	55703
RFC5	-0.02096	0.020964	2.1152	-0.04306	0.96628	0.982	-6.2663	5985
ATL2	0.04067	0.04067	6.146	0.043044	0.96629	0.982	-6.2663	64225
RABL3	0.018299	0.018299	2.5199	0.043038	0.96629	0.982	-6.2663	285282
ZMYM6	-0.01146	0.011457	2.0841	-0.04276	0.96651	0.98211	-6.2663	9204
FBXL6	-0.03574	0.035736	3.5137	-0.04255	0.96668	0.98211	-6.2664	26233
ZDHHC4	-0.04352	0.043522	3.8382	-0.04247	0.96674	0.98211	-6.2664	55146
SLC33A1	-0.01863	0.018633	3.2755	-0.04246	0.96674	0.98211	-6.2664	9197
RNF216P1	-0.0128	0.012797	2.4708	-0.04244	0.96676	0.98211	-6.2664	441191
CDC37L1-DT	0.0046	0.0046	0.19465	0.042342	0.96684	0.98211	-6.2664	1.02E+08
LCE2B	-2.9544	2.9544	114.29	-0.04233	0.96684	0.98211	-6.2664	26239
HACD3	-0.05667	0.056672	5.7254	-0.0423	0.96687	0.98211	-6.2664	51495
ROBO4	-0.05214	0.052139	4.9686	-0.04217	0.96697	0.98212	-6.2664	54538
NFAM1	0.012879	0.012879	0.75004	0.042102	0.96702	0.98212	-6.2664	150372
SPECC1L	0.024143	0.024143	3.8848	0.042011	0.9671	0.98212	-6.2664	23384
ELF1	0.06533	0.06533	11.331	0.041936	0.96715	0.98212	-6.2664	1997
ZNF674-AS1	0.005856	0.005856	0.58843	0.04191	0.96717	0.98212	-6.2664	401588
HOXD10	0.00619	0.00619	0.46619	0.041773	0.96728	0.98215	-6.2664	3236
LOC101928595	0.004171	0.004171	0.4226	0.041734	0.96731	0.98215	-6.2664	1.02E+08
HHIPL1	-0.00626	0.006256	0.35522	-0.04153	0.96747	0.98225	-6.2664	84439
BSCL2	-0.02164	0.02164	1.29	-0.04141	0.96756	0.98228	-6.2664	26580

OSBP2	-0.01308	0.013083	1.157	-0.04133	0.96763	0.98229	-6.2664	23762
UHRF2	-0.02571	0.025714	4.2187	-0.04125	0.96769	0.98229	-6.2664	115426
VASH2	0.004171	0.004171	0.21705	0.040804	0.96804	0.98259	-6.2664	79805
CCL4	0.029263	0.029263	1.0943	0.040705	0.96812	0.98261	-6.2664	6351
GMPR2	0.028173	0.028173	5.1115	0.040616	0.96819	0.98262	-6.2664	51292
RDH16	-0.00968	0.009683	0.64441	-0.04055	0.96824	0.98262	-6.2664	8608
SCX	-0.00445	0.00445	0.33044	-0.0402	0.96852	0.98284	-6.2665	642658
PTMS	-0.70297	0.70297	64.38	-0.04008	0.96861	0.98287	-6.2665	5763
ADAM15	0.23274	0.23274	34.325	0.03973	0.96888	0.98304	-6.2665	8751
ARL8A	-0.0647	0.064701	10.955	-0.03972	0.96889	0.98304	-6.2665	127829
CEP290	0.009329	0.009329	0.94561	0.039525	0.96904	0.98313	-6.2665	80184
PRKACA	0.092012	0.092012	11.484	0.039158	0.96933	0.98337	-6.2665	5566
TIMM9	-0.02697	0.026971	3.6053	-0.03897	0.96947	0.98342	-6.2665	26520
LOC100506585	-0.00588	0.005884	0.33366	-0.03894	0.9695	0.98342	-6.2665	1.01E+08
PLAT	-0.05335	0.053349	2.8915	-0.03886	0.96956	0.98343	-6.2665	5327
SRPRA	0.13704	0.13704	17.362	0.038504	0.96984	0.98361	-6.2665	6734
PLEKHA8P1	0.004221	0.004221	0.30343	0.03848	0.96986	0.98361	-6.2665	51054
LOC105374727	0.005082	0.005082	0.43847	0.03839	0.96993	0.98362	-6.2665	1.05E+08
CRMP1	-0.0071	0.007102	0.76234	-0.03805	0.97019	0.98383	-6.2665	1400
SOX17	0.022018	0.022018	1.378	0.037806	0.97039	0.98397	-6.2666	64321
TBC1D10B	-0.06363	0.063626	7.838	-0.03765	0.97051	0.98403	-6.2666	26000
COX4I1	-0.5432	0.5432	66.547	-0.03717	0.97088	0.98435	-6.2666	1327
TUSC1	0.039626	0.039626	3.7207	0.036908	0.97109	0.98446	-6.2666	286319
ACHE	-0.00333	0.003325	0.19673	-0.03688	0.97111	0.98446	-6.2666	43
CFAP298	-0.01043	0.010432	1.974	-0.03665	0.97129	0.98457	-6.2666	56683
TSFM	-0.02212	0.022115	2.971	-0.0366	0.97133	0.98457	-6.2666	10102

LOC100506282	-0.00393	0.003935	0.33387	-0.03646	0.97144	0.98462	-6.2666	1.01E+08
PPP1R13L	-0.27623	0.27623	33.487	-0.03626	0.9716	0.98472	-6.2666	10848
SNORD131	-0.00488	0.004876	0.20086	-0.03601	0.97179	0.98486	-6.2666	1.07E+08
LRPPRC	-0.0481	0.048095	8.2873	-0.03588	0.9719	0.9849	-6.2666	10128
MRPS30-DT	-0.00334	0.003344	0.13233	-0.03553	0.97217	0.985	-6.2666	1.01E+08
LMAN2	-0.17514	0.17514	21.884	-0.03545	0.97223	0.985	-6.2666	10960
GOSR2	-0.0125	0.012503	4.3073	-0.03545	0.97223	0.985	-6.2666	9570
FAM162B	0.006995	0.006995	0.48603	0.035408	0.97226	0.985	-6.2666	221303
TIMM50	0.017667	0.017667	2.4498	0.035382	0.97228	0.985	-6.2666	92609
LRRC58	0.021288	0.021288	4.2895	0.035144	0.97247	0.98513	-6.2667	116064
POLR2B	-0.05774	0.057735	9.8454	-0.03496	0.97262	0.98519	-6.2667	5431
ACY1	-0.04444	0.044437	3.644	-0.03492	0.97264	0.98519	-6.2667	95
ADAMTS1	0.17478	0.17478	8.2512	0.034771	0.97276	0.98525	-6.2667	9510
DNMT1	0.058082	0.058082	6.2136	0.034302	0.97313	0.98551	-6.2667	1786
TRO	0.007065	0.007065	0.52167	0.03428	0.97315	0.98551	-6.2667	7216
RHOBTB3	-0.02925	0.02925	2.5604	-0.03412	0.97327	0.98551	-6.2667	22836
DEFB4B	-4.3099	4.3099	105.8	-0.0341	0.97329	0.98551	-6.2667	1E+08
USP3	-0.01459	0.014589	3.7704	-0.03407	0.97331	0.98551	-6.2667	9960
PEF1	0.065564	0.065564	10.983	0.033942	0.97341	0.98555	-6.2667	553115
PSEN2	0.02131	0.02131	2.7243	0.033853	0.97348	0.98557	-6.2667	5664
PRPF40B	0.014567	0.014567	2.4672	0.033578	0.9737	0.98572	-6.2667	25766
PLB1	-0.01228	0.012275	0.90929	-0.03329	0.97392	0.98589	-6.2667	151056
RCAN3	0.028744	0.028744	4.7505	0.032906	0.97422	0.98614	-6.2667	11123
LYL1	-0.01627	0.016271	1.4336	-0.03274	0.97435	0.98616	-6.2667	4066
ZNF503	0.032386	0.032386	4.3111	0.032669	0.97441	0.98616	-6.2667	84858
MDP1	-0.02446	0.024458	2.0819	-0.03265	0.97442	0.98616	-6.2667	145553

ANKRD6	-0.00608	0.006079	0.77637	-0.03224	0.97475	0.98643	-6.2668	22881
LSM6	0.033716	0.033716	3.6599	0.032026	0.97491	0.98649	-6.2668	11157
NPW	0.006816	0.006816	0.39079	0.031899	0.97501	0.98649	-6.2668	283869
SRGAP2D	0.010999	0.010999	1.6962	0.031894	0.97502	0.98649	-6.2668	1.01E+08
BDH2	-0.02221	0.022208	2.5635	-0.03187	0.97503	0.98649	-6.2668	56898
ANKEF1	0.01238	0.01238	1.527	0.031723	0.97515	0.98654	-6.2668	63926
FAM229B	-0.00881	0.008812	0.66218	-0.03158	0.97526	0.9866	-6.2668	619208
LOC105376805	-0.00893	0.00893	0.99506	-0.03146	0.97536	0.98664	-6.2668	1.05E+08
ESS2	0.008752	0.008752	1.5921	0.031109	0.97563	0.98682	-6.2668	8220
RGS12	0.037908	0.037908	5.2788	0.031067	0.97566	0.98682	-6.2668	6002
CCDC127	0.016684	0.016684	2.3498	0.031007	0.97571	0.98682	-6.2668	133957
SCAANT1	-0.00576	0.005763	0.51423	-0.03077	0.9759	0.98695	-6.2668	1.01E+08
LOC400464	0.002965	0.002965	0.16743	0.030608	0.97602	0.98701	-6.2668	400464
PXMP4	-0.0438	0.0438	3.0872	-0.0304	0.97618	0.98701	-6.2668	11264
VPS13A	0.02093	0.02093	4.4508	0.030293	0.97627	0.98701	-6.2668	23230
RNPS1	-0.09295	0.092949	14.767	-0.03026	0.9763	0.98701	-6.2668	10921
RPLP2	2.7661	2.7661	434.31	0.030251	0.9763	0.98701	-6.2668	6181
ADNP2	-0.01574	0.015738	4.9527	-0.03024	0.97631	0.98701	-6.2668	22850
NOTCH4	0.004835	0.004835	0.33724	0.030137	0.97639	0.98703	-6.2668	4855
HEBP1	0.048582	0.048582	8.9443	0.030001	0.9765	0.98708	-6.2668	50865
KDM6B	-0.03725	0.03725	7.4476	-0.02991	0.97657	0.9871	-6.2668	23135
C9orf16	0.20848	0.20848	29.325	0.029704	0.97673	0.9872	-6.2668	79095
RRS1	-0.02832	0.028319	3.9112	-0.02951	0.97688	0.98722	-6.2668	23212
SNRPF	0.078196	0.078196	9.5004	0.029465	0.97692	0.98722	-6.2668	6636
NSMCE3	-0.02819	0.028193	3.2877	-0.02945	0.97693	0.98722	-6.2668	56160
GJC2	0.004159	0.004159	0.48978	0.029161	0.97716	0.98739	-6.2669	57165

PREX1	0.027689	0.027689	3.1308	0.029005	0.97728	0.98746	-6.2669	57580
FANCE	0.027062	0.027062	3.3155	0.028591	0.9776	0.98772	-6.2669	2178
CALCOCO2	-0.03462	0.034622	10.771	-0.02841	0.97774	0.98781	-6.2669	10241
TTL12	0.098527	0.098527	13.844	0.028294	0.97783	0.98782	-6.2669	23170
CXorf56	0.01587	0.01587	2.9939	0.028234	0.97788	0.98782	-6.2669	63932
PEX2	-0.01094	0.010941	2.3687	-0.02817	0.97793	0.98782	-6.2669	5828
KCNH1	-0.00513	0.005127	0.31737	-0.02805	0.97803	0.98782	-6.2669	3756
SUPT20H	0.01692	0.01692	3.5905	0.028022	0.97805	0.98782	-6.2669	55578
ABO	0.008398	0.008398	0.73362	0.027809	0.97822	0.98793	-6.2669	28
IDH2	0.29506	0.29506	40.903	0.027514	0.97845	0.9881	-6.2669	3418
PNMA2	-0.0039	0.0039	0.27814	-0.0274	0.97854	0.98814	-6.2669	10687
C1orf159	0.011648	0.011648	2.4452	0.027002	0.97885	0.98839	-6.2669	54991
ALG3	-0.03323	0.033232	5.857	-0.02686	0.97896	0.98845	-6.2669	10195
SNHG19	-0.06985	0.069852	10.246	-0.02661	0.97916	0.98859	-6.2669	1.01E+08
RPS18P9	0.008295	0.008295	1.6423	0.026406	0.97931	0.98863	-6.2669	645958
TIMM22	0.015957	0.015957	3.64	0.026339	0.97937	0.98863	-6.2669	29928
PCDHB8	0.002015	0.002015	0.20687	0.02632	0.97938	0.98863	-6.2669	56128
NR5A2	-0.00372	0.003723	0.4973	-0.02603	0.97961	0.98876	-6.2669	2494
GPR107	-0.02569	0.025691	7.9143	-0.02602	0.97962	0.98876	-6.2669	57720
PDXK	0.048046	0.048046	9.0805	0.025159	0.98029	0.98937	-6.267	8566
ZNF28	0.005949	0.005949	1.1831	0.024869	0.98052	0.98952	-6.267	7576
ASCC1	-0.01213	0.012127	2.3676	-0.02482	0.98055	0.98952	-6.267	51008
USP46	0.006035	0.006035	1.7154	0.02453	0.98078	0.98969	-6.267	64854
TBL1XR1	-0.02675	0.02675	6.947	-0.0244	0.98089	0.98974	-6.267	79718
PIP4K2A	-0.02192	0.02192	3.5891	-0.02413	0.9811	0.98989	-6.267	5305
GALNT10	0.020213	0.020213	4.3954	0.02398	0.98121	0.98995	-6.267	55568

LINC01637	-0.00318	0.003182	0.19368	-0.02347	0.98161	0.99029	-6.267	1.02E+08
TRAK2	0.023714	0.023714	3.8746	0.023023	0.98196	0.99059	-6.267	66008
PMP22	-0.12474	0.12474	18.031	-0.02286	0.9821	0.99066	-6.267	5376
OXNAD1	0.003683	0.003683	1.1105	0.022769	0.98216	0.99067	-6.267	92106
NHP2	0.12319	0.12319	23.737	0.022618	0.98228	0.99072	-6.267	55651
FBP1	0.0075	0.0075	0.587	0.022562	0.98232	0.99072	-6.267	2203
ZNF268	-0.006	0.006	1.3552	-0.02236	0.98248	0.99082	-6.267	10795
BCAS2	0.022529	0.022529	5.4189	0.02216	0.98264	0.99086	-6.267	10286
LOC646938	-0.00406	0.004065	0.28241	-0.02216	0.98264	0.99086	-6.267	646938
BTF3L4	0.016454	0.016454	4.9804	0.021852	0.98288	0.99104	-6.267	91408
DNMTIP1	0.026939	0.026939	5.2687	0.021728	0.98298	0.99104	-6.267	116092
NBPF14	-0.00315	0.003146	1.0436	-0.02164	0.98305	0.99104	-6.267	25832
CLEC14A	0.052486	0.052486	6.5665	0.021632	0.98305	0.99104	-6.267	161198
APTX	0.010306	0.010306	4.151	0.0215	0.98316	0.99108	-6.2671	54840
VASN	-0.04355	0.043547	9.3442	-0.02099	0.98355	0.99142	-6.2671	114990
NFATC4	0.038457	0.038457	4.0587	0.020787	0.98371	0.99144	-6.2671	4776
TMEM138	0.011005	0.011005	3.4798	0.020728	0.98376	0.99144	-6.2671	51524
ACO1	-0.0244	0.024402	4.4813	-0.0207	0.98379	0.99144	-6.2671	48
FLJ20021	0.00728	0.00728	1.2154	0.020666	0.98381	0.99144	-6.2671	90024
COMMD10	0.002972	0.002972	0.93672	0.020331	0.98407	0.99165	-6.2671	51397
PTRH1	-0.03208	0.032082	4.9569	-0.02018	0.98419	0.99171	-6.2671	138428
MED6	0.009581	0.009581	3.8503	0.020089	0.98426	0.99172	-6.2671	10001
ZNRF2	-0.01597	0.015965	5.3989	-0.0199	0.98441	0.99181	-6.2671	223082
PLCL1	0.003484	0.003484	0.51472	0.01971	0.98456	0.99189	-6.2671	5334
PGBD2	0.003983	0.003983	1.1051	0.019653	0.9846	0.99189	-6.2671	267002
NOL10	0.011883	0.011883	3.6525	0.019121	0.98502	0.99225	-6.2671	79954

PGAM4	0.012847	0.012847	0.8188	0.018954	0.98515	0.99232	-6.2671	441531
CD48	-0.00775	0.007748	1.0185	-0.01881	0.98526	0.99237	-6.2671	962
CEP83	0.003877	0.003877	1.1375	0.018722	0.98533	0.99239	-6.2671	51134
BTBD3	0.005644	0.005644	3.9697	0.018511	0.9855	0.99249	-6.2671	22903
COX7A1	-0.02239	0.02239	3.4726	-0.01841	0.98558	0.99249	-6.2671	1346
DECR2	0.015509	0.015509	3.0511	0.018345	0.98563	0.99249	-6.2671	26063
TCF12	0.016878	0.016878	6.8824	0.018289	0.98567	0.99249	-6.2671	6938
STXBP5	0.00917	0.00917	5.4005	0.018096	0.98582	0.99257	-6.2671	134957
HCFC1R1	-0.04616	0.04616	9.7429	-0.01803	0.98587	0.99257	-6.2671	54985
PCED1A	-0.02287	0.022866	3.8318	-0.01784	0.98602	0.9926	-6.2671	64773
RGPD1	-0.00139	0.001391	0.16164	-0.01777	0.98608	0.9926	-6.2671	400966
RSPO3	0.001569	0.001569	0.14284	0.017659	0.98617	0.9926	-6.2671	84870
PUS7L	-0.00533	0.005334	1.6125	-0.01756	0.98624	0.9926	-6.2671	83448
SRSF4	0.021361	0.021361	10.23	0.01753	0.98627	0.9926	-6.2671	6429
LGALS3	-0.16368	0.16368	51.102	-0.01742	0.98635	0.9926	-6.2671	3958
HPS6	0.018322	0.018322	4.6686	0.017395	0.98637	0.9926	-6.2671	79803
HDAC4	-0.0103	0.010303	3.8891	-0.01739	0.98637	0.9926	-6.2671	9759
POLR2D	-0.01146	0.011456	3.8161	-0.01701	0.98668	0.99284	-6.2671	5433
UBA6-AS1	-0.00552	0.005516	1.3908	-0.01695	0.98672	0.99284	-6.2671	550112
WWC1	-0.01586	0.015863	3.8848	-0.01677	0.98686	0.99289	-6.2671	23286
RBFOX2	-0.02343	0.023434	8.3035	-0.01673	0.98689	0.99289	-6.2671	23543
MOB3C	0.010651	0.010651	3.4134	0.016494	0.98708	0.99296	-6.2672	148932
ROBO1	0.030844	0.030844	10.352	0.016383	0.98716	0.99296	-6.2672	6091
CCDC66	0.003878	0.003878	1.279	0.01634	0.9872	0.99296	-6.2672	285331
PDCD1	-0.00157	0.00157	0.20369	-0.0162	0.98731	0.99296	-6.2672	5133
OTULINL	0.002696	0.002696	0.72381	0.016185	0.98732	0.99296	-6.2672	54491

ICAM2	-0.01868	0.018676	3.0986	-0.0161	0.98739	0.99296	-6.2672	3384
PHC2	0.057818	0.057818	10.08	0.016057	0.98742	0.99296	-6.2672	1912
DHX40	0.011868	0.011868	5.3152	0.016042	0.98743	0.99296	-6.2672	79665
LOC101927811	0.001802	0.001802	0.2222	0.015936	0.98752	0.99298	-6.2672	1.02E+08
ARRDC2	0.010886	0.010886	3.1354	0.015778	0.98764	0.99304	-6.2672	27106
POLR1B	0.006602	0.006602	2.5503	0.015714	0.98769	0.99304	-6.2672	84172
PTBP2	-0.00629	0.006288	1.682	-0.01541	0.98793	0.99318	-6.2672	58155
LOC100132215	0.001402	0.001402	0.53605	0.015393	0.98794	0.99318	-6.2672	1E+08
P2RY8	-0.00132	0.001324	0.17556	-0.01515	0.98813	0.99327	-6.2672	286530
RBM10	0.018684	0.018684	6.1151	0.015034	0.98822	0.99327	-6.2672	8241
HECTD2-AS1	-0.00298	0.002981	0.64893	-0.01499	0.98826	0.99327	-6.2672	1E+08
NUDT18	-0.00742	0.007424	1.9312	-0.01495	0.98829	0.99327	-6.2672	79873
PPP1R26	0.006928	0.006928	1.6902	0.014798	0.98841	0.99327	-6.2672	9858
FAM78A	-0.00467	0.004671	0.85256	-0.01478	0.98842	0.99327	-6.2672	286336
SPRR2C	0.049025	0.049025	3.1054	0.014748	0.98845	0.99327	-6.2672	6702
NORAD	0.06848	0.06848	38.896	0.014633	0.98854	0.99327	-6.2672	647979
DAZAP2	-0.07607	0.076072	24.764	-0.01457	0.98859	0.99327	-6.2672	9802
SNRNP25	-0.01751	0.017514	3.6119	-0.01452	0.98863	0.99327	-6.2672	79622
BCL2L12	0.008013	0.008013	2.1623	0.014295	0.9888	0.99339	-6.2672	83596
LINC01127	-0.00216	0.002164	0.23889	-0.01403	0.98901	0.99354	-6.2672	1.01E+08
UCP2	-0.02169	0.021689	4.7115	-0.0138	0.98919	0.99363	-6.2672	7351
ALG9	-0.00251	0.00251	1.9136	-0.01374	0.98923	0.99363	-6.2672	79796
ABCD3	0.015493	0.015493	6.0338	0.01362	0.98933	0.99363	-6.2672	5825
DST	-0.06088	0.060884	21.444	-0.01354	0.98939	0.99363	-6.2672	667
KIF3C	0.003672	0.003672	0.84823	0.013353	0.98954	0.99363	-6.2672	3797
MAP3K11	0.035063	0.035063	10.715	0.013311	0.98957	0.99363	-6.2672	4296

GPAT4	0.009517	0.009517	4.6453	0.013299	0.98958	0.99363	-6.2672	137964
RORA	-0.07252	0.072521	14.168	-0.01324	0.98963	0.99363	-6.2672	6095
LIN37	0.007364	0.007364	2.8372	0.013229	0.98964	0.99363	-6.2672	55957
TNFRSF1B	0.027569	0.027569	5.6452	0.013164	0.98969	0.99363	-6.2672	7133
ABTB1	0.013803	0.013803	4.6991	0.012796	0.98997	0.9938	-6.2672	80325
FDXACB1	-0.00135	0.001346	0.54687	-0.01279	0.98998	0.9938	-6.2672	91893
PNMA8A	0.002406	0.002406	0.46019	0.012226	0.99042	0.99419	-6.2672	55228
PRPF4B	0.007827	0.007827	5.2414	0.011865	0.9907	0.99442	-6.2672	8899
GSDMD	0.014246	0.014246	3.6734	0.011593	0.99092	0.99454	-6.2672	79792
NEK4	0.003034	0.003034	1.6644	0.011553	0.99095	0.99454	-6.2672	6787
CDC42EP1	-0.06796	0.067963	24.533	-0.01134	0.99111	0.99465	-6.2672	11135
RTF2	-0.03061	0.030607	15.648	-0.01091	0.99145	0.99493	-6.2672	51507
PLCL2	-0.00438	0.004384	1.159	-0.01046	0.99181	0.9952	-6.2672	23228
LMCD1	-0.01581	0.015807	4.4043	-0.01042	0.99184	0.9952	-6.2672	29995
ORMDL1	0.007087	0.007087	4.004	0.010213	0.992	0.99526	-6.2672	94101
RNF13	-0.01219	0.012189	7.2536	-0.01019	0.99202	0.99526	-6.2672	11342
APRT	0.080955	0.080955	39.414	0.009354	0.99267	0.99586	-6.2672	353
PRRC2C	0.023432	0.023432	17.06	0.009179	0.99281	0.99593	-6.2672	23215
PCDH7	0.009691	0.009691	4.9079	0.009102	0.99287	0.99593	-6.2672	5099
TM6SF2	-0.00077	0.000774	0.11851	-0.00904	0.99292	0.99593	-6.2672	53345
SNORA28	-0.00115	0.001147	0.17749	-0.00892	0.99301	0.99596	-6.2673	677811
ZNF655	0.005357	0.005357	5.8789	0.008702	0.99318	0.99607	-6.2673	79027
UTP14C	0.002242	0.002242	2.2692	0.008554	0.9933	0.99613	-6.2673	9724
LNX1	0.016159	0.016159	3.92	0.008418	0.9934	0.99618	-6.2673	84708
ZSCAN22	-0.00143	0.00143	1.1257	-0.00832	0.99348	0.99618	-6.2673	342945
THOC1	-0.0037	0.003695	3.0135	-0.00817	0.9936	0.99618	-6.2673	9984

TMEM248	0.011727	0.011727	11.256	0.008153	0.99361	0.99618	-6.2673	55069
UAP1L1	-0.00614	0.006136	3.0564	-0.00812	0.99364	0.99618	-6.2673	91373
CCDC68	-0.00064	0.000635	0.18135	-0.00792	0.9938	0.99622	-6.2673	80323
POMT2	0.002787	0.002787	1.7568	0.007913	0.9938	0.99622	-6.2673	29954
CAVIN1	-0.11064	0.11064	60.987	-0.0074	0.9942	0.99652	-6.2673	284119
IL6ST	0.017924	0.017924	10.168	0.007385	0.99421	0.99652	-6.2673	3572
PLEKHH3	0.012347	0.012347	6.6691	0.006923	0.99458	0.99675	-6.2673	79990
NACC2	-0.0061	0.006104	3.5588	-0.00683	0.99465	0.99675	-6.2673	138151
C17orf58	-0.0022	0.002202	1.5476	-0.00677	0.9947	0.99675	-6.2673	284018
GPAT3	-0.00785	0.007852	1.7278	-0.00672	0.99474	0.99675	-6.2673	84803
EXO5	-0.00165	0.001647	1.1363	-0.00671	0.99475	0.99675	-6.2673	64789
CDC42EP5	-0.01036	0.010363	4.5675	-0.00604	0.99527	0.99713	-6.2673	148170
MSL3	-0.00184	0.001835	2.717	-0.00603	0.99528	0.99713	-6.2673	10943
SSBP4	0.011014	0.011014	6.3601	0.006002	0.9953	0.99713	-6.2673	170463
PRKRIP1	0.001708	0.001708	1.5848	0.005461	0.99572	0.99748	-6.2673	79706
C18orf25	0.002887	0.002887	4.1274	0.005407	0.99576	0.99748	-6.2673	147339
SIVA1	-0.02181	0.021809	13.11	-0.00515	0.99596	0.99758	-6.2673	10572
RAD54L	0.001069	0.001069	0.66169	0.005128	0.99598	0.99758	-6.2673	8438
C17orf49	-0.01931	0.019306	13.986	-0.00474	0.99629	0.99782	-6.2673	124944
FOLH1	-0.00052	0.00052	0.31625	-0.00463	0.99637	0.99785	-6.2673	2346
CPS1	0.00072	0.00072	0.88867	0.004532	0.99645	0.99787	-6.2673	1373
TMEM62	-0.00136	0.001357	1.8391	-0.00431	0.99662	0.99796	-6.2673	80021
SMARCB1	0.010972	0.010972	13.245	0.004261	0.99666	0.99796	-6.2673	6598
SYVN1	0.004818	0.004818	8.8166	0.003829	0.997	0.99819	-6.2673	84447
SPINK1	-0.00038	0.000383	0.21511	-0.00382	0.99701	0.99819	-6.2673	6690
OTUD3	-0.00096	0.00096	1.7564	-0.00363	0.99716	0.99828	-6.2673	23252

C16orf95	0.00043	0.00043	0.4216	0.003177	0.99751	0.99848	-6.2673	1.01E+08
NSMCE1	-0.00612	0.006125	8.0294	-0.00315	0.99753	0.99848	-6.2673	197370
CAMSAP3	-0.0076	0.0076	9.8925	-0.00315	0.99753	0.99848	-6.2673	57662
TCF7L1-IT1	0.000312	0.000312	0.19962	0.002859	0.99776	0.99865	-6.2673	1.01E+08
KL	-0.00038	0.000376	0.40331	-0.00272	0.99787	0.99869	-6.2673	9365
CLMAT3	-0.00055	0.000551	0.36622	-0.0024	0.99812	0.99887	-6.2673	1.02E+08
MINDY3	0.000841	0.000841	3.9389	0.002352	0.99816	0.99887	-6.2673	80013
ZDHHC7	0.00183	0.00183	6.2077	0.002214	0.99827	0.99892	-6.2673	55625
MTIF2	-0.00127	0.001271	3.4793	-0.0021	0.99836	0.99895	-6.2673	4528
GTF2H3	-0.00151	0.001509	3.7544	-0.00189	0.99852	0.99905	-6.2673	2967
PARG	-0.00031	0.00031	3.4515	-0.00119	0.99907	0.99953	-6.2673	8505
HABP4	-0.00054	0.000536	1.9303	-0.00113	0.99912	0.99953	-6.2673	22927
TYRO3	-0.00153	0.00153	5.4227	-0.0007	0.99945	0.99981	-6.2673	7301
AMDHD1	4.52E-05	4.52E-05	0.12384	0.000572	0.99955	0.99985	-6.2673	144193
TMEM255B	-0.00023	0.000229	1.744	-0.00038	0.9997	0.99988	-6.2673	348013
MIR548K	3.28E-05	3.28E-05	0.08594	0.000345	0.99973	0.99988	-6.2673	1E+08
RNF123	-0.00017	0.000169	3.7844	-0.00025	0.9998	0.99988	-6.2673	63891
LMBRD1	0.000227	0.000227	6.0335	0.000232	0.99982	0.99988	-6.2673	55788
SUSD4	-1.22E-05	1.22E-05	0.7633	-6.99E-05	0.99995	0.99995	-6.2673	55061

LogFC, logarithm of the fold change. abslogfc, absolute value of logFC. AveExpr, average expression. adj.P.Val, adjusted p-value.

